

# **REFINING THE INDIAN RIVER LAGOON TMDL**

## **Technical Memorandum Report: Assessment and Evaluation of Model Input Parameters**

**FINAL REPORT  
Revised March 2016**

### **Prepared For:**

**Brevard County Natural Resources Management Office**



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## **SECTION 1**

### **INTRODUCTION**

This Technical Memorandum provides a summary of work efforts conducted by Environmental Research & Design, Inc. (ERD) for an inter-governmental consortium led by the Brevard County Natural Resources Management Office (County), under the direction of Virginia Barker, P.M., to provide technical assistance for reviewing and updating the existing Total Maximum Daily Load (TMDL) Model for the Indian River Lagoon (IRL). The existing IRL TMDL Model was developed by the St. Johns River Water Management District (SJRWMD) during 1999 using the Pollutant Load Screening Model (PLSM). This model was constructed using assumptions and input parameters consistent with the level of understanding of stormwater processes such as runoff generation, load estimation, and BMP effectiveness present during the late-1990s at the time of development for the PLSM model. However, since development of the initial PLSM model, significant advances have occurred in the stormwater field, particularly in the areas of runoff generation, estimation of pollutant loadings, and BMP effectiveness. Much of this additional information was generated and summarized as part of the ongoing Statewide Stormwater Rule process by the Florida Department of Environmental Protection (FDEP).

In view of the recent advances in the field of stormwater and stormwater management, a consortium of Brevard County (including all 16 municipalities in Brevard County, District 5 of the Florida Department of Transportation, and Patrick Air Force Base) decided to conduct an independent assessment of nutrient loadings discharging to the IRL using the updated methodologies for estimation of runoff volumes and loadings and BMP effectiveness. The model developed for this refinement of the IRL TMDL is referred to as the Spatial Watershed Iterative Loading (SWIL) Model which is a custom GIS model that calculates monthly total nitrogen and total phosphorus loadings from surface runoff and baseflow to the IRL. The SWIL model combines GIS data for land use, hydrologic soil characteristics, hydrologic characteristics, runoff concentrations, stormwater treatment, rainfall, and evapotranspiration (ET) to calculate hydrologic and pollutant loadings to the IRL.

ERD was selected by Brevard County to develop input data and computational algorithms for the SWIL model, including basin hydrology, estimation of runoff quantity and quality, methods and input data for estimation of pollutant loadings, pollutant removal in stormwater BMPs, and estimation of the quantity and quality of shallow groundwater inflow (baseflow) into the IRL. In general, ERD conducted the following tasks for evaluation and selection of model input data for the SWIL model:

1. **Evaluation of Rainfall Data:** ERD identified available long-term rainfall monitoring sites within and adjacent to the IRL watershed. Available data were compiled into hourly data sets over the period from 1995-2010, if possible. Frequency distributions were developed for annual and monthly rainfall and for individual rain events at the identified rainfall stations. Interpolated monthly GIS rainfall layers were developed for the IRL basin over the model simulation period from 1995-2010.
2. **Review Soils Classifications:** ERD conducted a review and verification of soil classifications used in the original PLSM model. An updated (2010) soil layer was obtained from NRCS for use in the SWIL model. Comparisons of changes between the original soils layers used in the PLSM model and updated soil classifications were developed and summarized.
3. **Evaluate Runoff Coefficients:** ERD conducted continuous simulation modeling to generate region-specific annual and monthly runoff coefficients (C values) as a function of DCIA and non-DCIA curve number (CN) values. A look-up table was developed for use with the SWIL model which returns annual and monthly C values as a function of DCIA and non-DCIA values.
4. **Evaluate Hydrologic Characteristics for IRL Basin:** ERD conducted a review of hydrologic characteristics for land uses within the IRL basin using test plots for each significant land use category. Recommendations were provided for further subdividing land use categories to reflect unique hydrologic characteristics.
5. **Develop Recommended EMC Values:** ERD conducted a review of existing event mean concentration (emc) data for land use characteristics in the IRL basin, and developed a table of recommended emc values for the updated TMDL model.
6. **Evaluate Baseflow Inputs into the IRL:** ERD conducted a review of available historical hydrologic, gauging, and water quality data for significant tributaries which discharge into the IRL. Statistical techniques and hydrologic modeling were used to estimate baseflow quantity and quality which is used as input into the SWIL model.
7. **Develop Recommendations for BMP Treatment Efficiencies:** ERD conducted a review of the types of BMPs used in the IRL basin. Recommended treatment efficiencies were provided for specific treatment system types for periods before and after the implementation of the SJRWMD Impaired Waters design criteria.
8. **Model Validation/Calibration:** ERD conducted validation/calibration of the SWIL model for both the hydrologic and nutrient loading components.
9. **Prepare Technical Memorandum:** A Technical Memorandum was prepared which summarizes the work efforts conducted by ERD. This Memorandum forms the basis of this current report.

Work efforts conducted by ERD to develop input data for the SWIL model are described in the following sections.

The Draft Final Report for this effort was released by ERD during November 2012, and a copy of the report was provided to the Florida Department of Environmental Protection (FDEP) for review and comment. Comments from FDEP were received during June 2013, and responses to the comments and questions were developed by ERD in a letter format. For questions which requested clarification of methods used by ERD, the responses were also incorporated into the text of this report, as appropriate, where the responses enhanced the usefulness of the report. Additional comments were provided by FDEP on September 3, 2014 related to baseflow simulation in northern portions of the watershed and potential methods to improve estimates for peak sub-basin discharge rates during significant storm events. A complete listing of FDEP questions/comments and ERD responses is given in Appendix E.



## SECTION 2

### COLLECTION AND ANALYSIS OF INPUT DATA FOR THE SWIL MODEL

The SWIL model is based upon a basic hydrologic budget for the IRL watershed which includes rainfall, runoff, evapotranspiration, and infiltration into shallow groundwater (baseflow). A graphical depiction of the overall water budget model for the IRL watershed is given on Figure 2-1. The generalized water budget assumes that precipitation which does not runoff or undergoes evapotranspiration is infiltrated into the shallow groundwater and becomes baseflow.

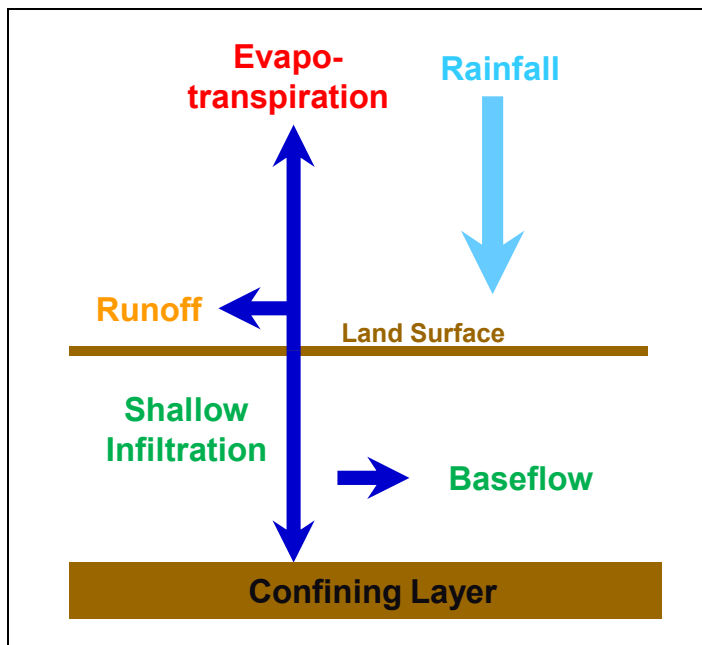


Figure 2-1.  
Generalized Hydrologic  
Budget for the IRL  
Watershed.

The primary work efforts conducted by ERD were to evaluate and select hydrologic and water quality input data for the SWIL model. A brief description of input data developed by ERD is given below:

1. Creation of spatially weighted rainfall GIS raster files for the IRL watershed
2. Creation of updated hydrologic soil maps for the IRL watershed

3. Calculation of monthly runoff volumes and C-values for various IRL land uses
4. Evaluation of existing land use in the IRL and consolidation of land use categories into general land use categories for which existing runoff characterization data are available
5. Calculation of hydrologic parameters for impervious and pervious areas
6. Creation of spatially weighted ET raster files for undeveloped areas
7. Selection of pollutant EMC values for total nitrogen and phosphorus for stormwater and baseflow
8. Evaluation and recommendation of typical BMP efficiencies

Evaluation of hydrologic and pollutant loadings from baseflow are discussed in Section 3. A detailed discussion of selected input data is given in the following sections.

## **2.1 Evaluation of Hydrologic Input Data**

### **2.1.1 Rainfall**

Monthly rainfall isopleths were created by ERD for the IRL watershed for a 16- year period from 1995-2010 covering a total of 192 months. Before creating the isopleths, a rainfall dataset had to be compiled. The initial rainfall dataset consisted of 79 rainfall stations located within or adjacent to the IRL watershed with daily rainfall spanning various years between 1995 and 2010, and covering a region that ranged from Ormond Beach on the north to Fort Pierce on the south, and from Cape Canaveral on the east to Orlando on the west. Monitoring stations were included which are located slightly outside the IRL watershed boundary to improve the isopleth interpolations in the vicinity of the watershed boundaries. The initial rainfall dataset, consisting of daily rainfall measurements, was screened to remove any measurements with unacceptable qualifiers, such as unverifiable data, missing data, etc. Rainfall data labeled as provisional or accumulated rainfall was accepted provided that the accumulation period fell within a single month. The initial daily rainfall data was then combined into a monthly dataset by station. The monthly dataset was then further parsed such that only months with a complete set of daily measurements and stations with at least 25 months of complete observations were accepted into the final rainfall dataset. A manual inspection of the final monthly dataset was made to eliminate obvious outliers. For example, it would seem unlikely for a station to report no monthly rainfall if the mean rainfall for surrounding stations was over an inch for that month. The final dataset contained 68 stations, illustrated on Figure 2-2, and contained 7999 monthly rainfall observations. A summary of station information is presented in Table 2-1. A complete set of the rainfall data is presented in Appendix A.

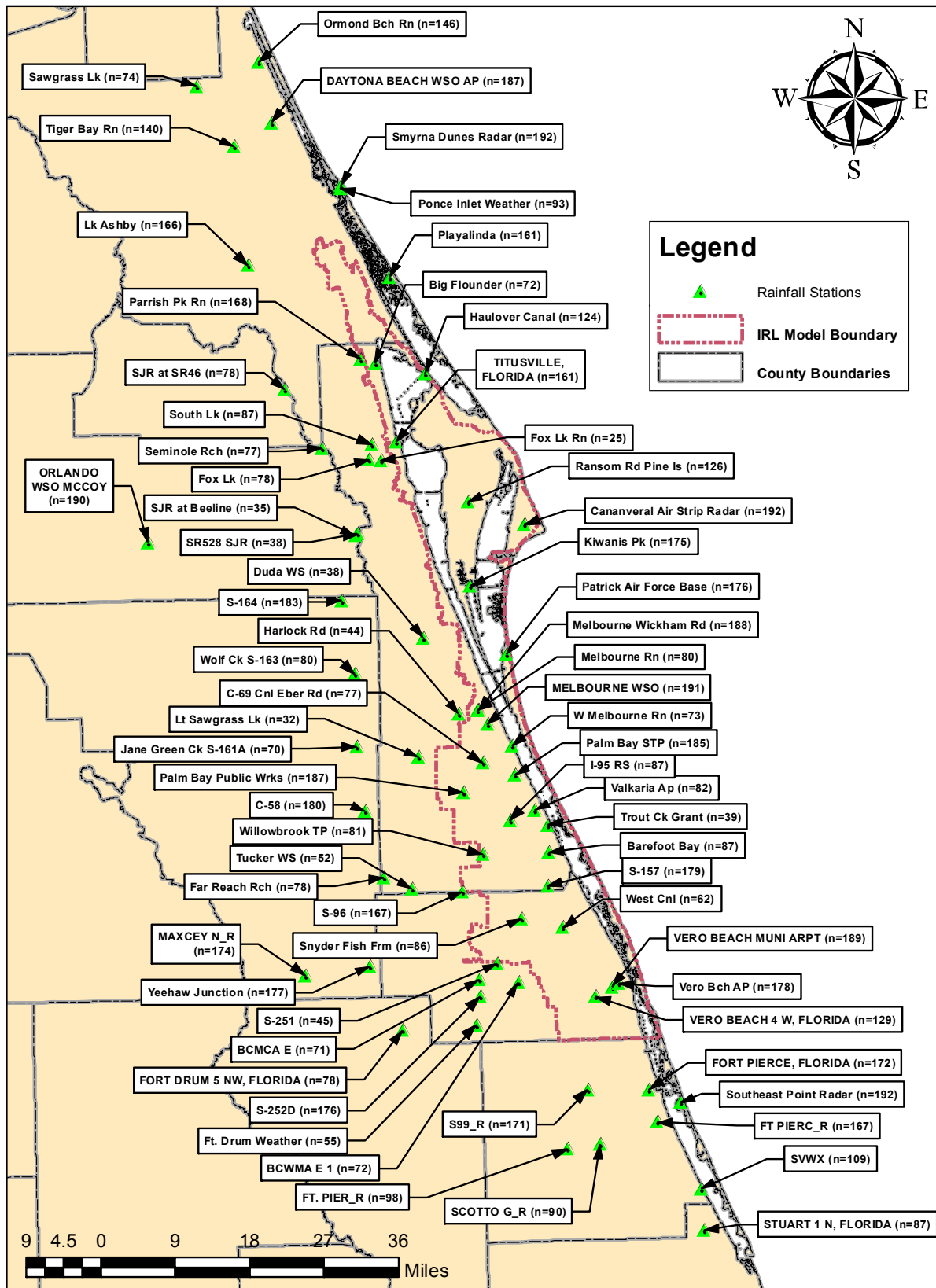


Figure 2-2. Rainfall Station Locations used for Calculating Isopleths for the SWIL Model.

**TABLE 2-1**  
**RAINFALL STATION LOCATIONS AND PERIOD OF RECORD**

| STATION                   | ID NUMBER | SOURCE | LAT.    | LONG.    | N   | MIN.      | MAX.      | LOCATION               |
|---------------------------|-----------|--------|---------|----------|-----|-----------|-----------|------------------------|
| Barefoot Bay              | 730122    | SJRWMD | 27.8896 | -80.5359 | 87  | 1/1/1995  | 6/1/2002  | IRL                    |
| BCMCA E                   | 1240511   | SJRWMD | 27.6693 | -80.6798 | 71  | 1/1/1995  | 7/1/2001  | within 10 miles        |
| BCWMA E 1                 | 1250526   | SJRWMD | 27.6620 | -80.6024 | 72  | 1/1/1995  | 4/1/2002  | within 10 miles        |
| Big Flounder              | 1390643   | SJRWMD | 28.7555 | -80.8550 | 72  | 1/1/1996  | 4/1/2002  | IRL                    |
| C-58                      | 590263    | SJRWMD | 27.9701 | -80.8967 | 180 | 1/1/1995  | 12/1/2010 | within 10 miles        |
| C-69 Cnl Eber Rd          | 770130    | SJRWMD | 28.0492 | -80.6611 | 77  | 12/1/1995 | 6/1/2002  | IRL                    |
| Canaveral Air Strip Radar |           | SJRWMD | 28.4660 | -80.5650 | 192 | 1/1/1995  | 12/1/2010 | IRL                    |
| Daytona Beach WSO Ap      | 82158     | NOAA   | 29.1833 | -81.0500 | 187 | 1/1/1995  | 12/1/2010 | Outside 10 mile Buffer |
| Duda WS                   | 18854247  | SJRWMD | 28.2717 | -80.7731 | 38  | 5/1/2005  | 6/1/2008  | within 10 miles        |
| Far Reach Rch             | 580260    | SJRWMD | 27.8530 | -80.8629 | 78  | 1/1/1995  | 11/1/2001 | within 10 miles        |
| Fort Drum 5 Nw, Florida   | 83137     | NOAA   | 27.5833 | -80.8333 | 78  | 4/1/1995  | 12/1/2010 | Outside 10 mile Buffer |
| Fort Pierce, Florida      | 83207     | NOAA   | 27.4667 | -80.3500 | 172 | 1/1/1995  | 12/1/2010 | within 10 miles        |
| Fox Lk                    | 690313    | SJRWMD | 28.5872 | -80.8717 | 78  | 1/1/1995  | 9/1/2001  | within 10 miles        |
| Fox Lk Rn                 | 30242801  | SJRWMD | 28.5844 | -80.8486 | 25  | 11/1/2008 | 12/1/2010 | within 10 miles        |
| Ft Pierce R               | 6116      | SFWMD  | 27.4103 | -80.3369 | 167 | 2/1/1995  | 12/1/2010 | Outside 10 mile Buffer |
| Ft. Drum Weather          | 1350579   | SJRWMD | 27.5893 | -80.6880 | 55  | 3/1/1996  | 4/1/2001  | within 10 miles        |
| Ft. Pier R                | 6015      | SFWMD  | 27.3669 | -80.5142 | 98  | 1/1/1995  | 8/1/2003  | Outside 10 mile Buffer |
| Harlock Rd                | 3790529   | SJRWMD | 28.1364 | -80.7056 | 44  | 1/1/1995  | 8/1/1998  | within 10 miles        |
| Haulover Canal            | 2248380   | USGS   | 28.7361 | -80.7550 | 124 | 3/1/1996  | 12/1/2010 | IRL                    |
| I-95 RS                   | 760128    | SJRWMD | 27.9464 | -80.6103 | 87  | 1/1/1995  | 4/1/2002  | IRL                    |
| Jane Green Ck S-161A      | 600285    | SJRWMD | 28.0833 | -80.9105 | 70  | 1/1/1995  | 4/1/2002  | within 10 miles        |
| Kiwanis Pk                | 1500682   | SJRWMD | 28.3605 | -80.6765 | 175 | 3/1/1996  | 12/1/2010 | IRL                    |
| Lk Ashby                  | 3200347   | SJRWMD | 28.9334 | -81.1036 | 166 | 1/1/1995  | 12/1/2010 | within 10 miles        |
| Lt Sawgrass Lk            | 1570741   | SJRWMD | 28.0629 | -80.7884 | 32  | 4/1/1998  | 7/1/2001  | within 10 miles        |
| Maxcey N R                | 5871      | SFWMD  | 27.6836 | -81.0236 | 174 | 5/1/1995  | 12/1/2010 | Outside 10 mile Buffer |
| Melbourne Rn              | 4120696   | SJRWMD | 28.1419 | -80.6692 | 80  | 1/1/1995  | 11/1/2001 | IRL                    |
| Melbourne Wickham Rd      | 100109    | SJRWMD | 28.1421 | -80.6678 | 188 | 1/1/1995  | 12/1/2010 | IRL                    |
| Melbourne WSO             | 85612     | NOAA   | 28.1167 | -80.6500 | 191 | 1/1/1995  | 12/1/2010 | IRL                    |
| Orlando WSO McCoy         | 86628     | NOAA   | 28.4500 | -81.3167 | 190 | 1/1/1995  | 12/1/2010 | Outside 10 mile Buffer |
| Ormond Bch Rn             | 1070077   | SJRWMD | 29.2894 | -81.0731 | 146 | 9/1/1998  | 12/1/2010 | Outside 10 mile Buffer |
| Palm Bay Public Works     | 4210749   | SJRWMD | 27.9981 | -80.7008 | 187 | 1/1/1995  | 12/1/2010 | IRL                    |
| Palm Bay STP              | 1000410   | SJRWMD | 28.0261 | -80.5975 | 185 | 1/1/1995  | 12/1/2010 | IRL                    |
| Parrish Pk Rn             | 1480674   | SJRWMD | 28.7638 | -80.8831 | 168 | 3/1/1996  | 12/1/2010 | within 10 miles        |
| Patrick Air Force Base    | 747950    |        | 28.2390 | -80.6080 | 176 | 1/1/1995  | 12/1/2009 | IRL                    |
| Playalinda                | 1490678   | SJRWMD | 28.9068 | -80.8208 | 161 | 4/1/1996  | 12/1/2010 | within 10 miles        |
| Ponce Inlet Weather       | 18073682  | SJRWMD | 29.0647 | -80.9150 | 93  | 3/1/2003  | 12/1/2010 | within 10 miles        |
| Ransom Rd Pine Is         | 15112758  | SJRWMD | 28.5081 | -80.6761 | 126 | 7/1/2000  | 12/1/2010 | IRL                    |
| S-157                     | 520215    | SJRWMD | 27.8303 | -80.5398 | 179 | 1/1/1995  | 12/1/2010 | IRL                    |
| S-164                     | 530225    | SJRWMD | 28.3405 | -80.9338 | 183 | 1/1/1995  | 12/1/2010 | Outside 10 mile Buffer |
| S-251                     | 1103624   | SJRWMD | 27.6956 | -80.6436 | 45  | 4/1/2007  | 12/1/2010 | within 10 miles        |
| S-252D                    | 1880101   | SJRWMD | 27.6389 | -80.6789 | 176 | 1/1/1995  | 12/1/2010 | within 10 miles        |
| S-96                      | 510206    | SJRWMD | 27.8237 | -80.7074 | 167 | 1/1/1995  | 12/1/2010 | within 10 miles        |
| S99 R                     | 16672     | SFWMD  | 27.4706 | -80.4717 | 171 | 1/1/1995  | 12/1/2010 | within 10 miles        |
| Sawgrass Lk               | 4340864   | SJRWMD | 29.2502 | -81.1988 | 74  | 1/1/1996  | 5/1/2002  | Outside 10 mile Buffer |
| Scotto G R                | 6031      | SFWMD  | 27.3733 | -80.4506 | 90  | 2/1/1995  | 11/1/2002 | Outside 10 mile Buffer |
| Seminole Rch              | 670294    | SJRWMD | 28.6096 | -80.9642 | 77  | 3/1/1995  | 11/1/2001 | within 10 miles        |
| SJR at Beeline            | 630271    | SJRWMD | 28.4542 | -80.9028 | 35  | 1/1/1995  | 1/1/1998  | within 10 miles        |
| SJR at SR46               | 640275    | SJRWMD | 28.7136 | -81.0368 | 78  | 1/1/1995  | 10/1/2001 | within 10 miles        |
| Smyrna Dunes Radar        |           | SJRWMD | 29.0700 | -80.9150 | 192 | 1/1/1995  | 12/1/2010 | within 10 miles        |
| Snyder Fish Frn           | 720120    | SJRWMD | 27.7728 | -80.5921 | 86  | 1/1/1995  | 6/1/2002  | IRL                    |
| South Lk                  | 4450882   | SJRWMD | 28.6139 | -80.8650 | 87  | 1/1/1995  | 5/1/2002  | within 10 miles        |
| Southeast Point Radar     |           | SJRWMD | 27.4430 | -80.2890 | 192 | 1/1/1995  | 12/1/2010 | within 10 miles        |
| SR528 SJR                 | 1620761   | SJRWMD | 28.4571 | -80.8974 | 38  | 3/1/1998  | 8/1/2001  | within 10 miles        |
| Stuart I N, Florida       | 88620     | Noaa   | 27.2167 | -80.2500 | 87  | 1/1/1995  | 12/1/2010 | Outside 10 Mile Buffer |
| SVWX                      | F1273     | SFWMD  | 27.2903 | -80.2536 | 109 | 8/1/1997  | 12/1/2010 | Outside 10 mile Buffer |
| Tiger Bay Rn              | 5190117   | SJRWMD | 29.1423 | -81.1265 | 140 | 3/1/1999  | 12/1/2010 | Outside 10 mile Buffer |
| Titusville, Florida       | 88942     | NOAA   | 28.6167 | -80.8167 | 161 | 1/1/1995  | 12/1/2010 | IRL                    |
| Trout Ck Grant            | 780132    | SJRWMD | 27.9369 | -80.5353 | 39  | 9/1/1995  | 4/1/1999  | IRL                    |
| Tucker WS                 | 1540705   | SJRWMD | 27.8308 | -80.8081 | 52  | 9/1/1996  | 4/1/2001  | within 10 miles        |
| Valkaria Ap               | 750126    | SJRWMD | 27.9643 | -80.5607 | 82  | 1/1/1995  | 7/1/2002  | IRL                    |
| Vero Bch AP               | 1510686   | SJRWMD | 27.6554 | -80.4043 | 178 | 3/1/1996  | 12/1/2010 | IRL                    |
| Vero Beach 4 W, Florida   | 89219     | NOAA   | 27.6333 | -80.4500 | 129 | 1/1/1995  | 12/1/2010 | IRL                    |
| Vero Beach Muni Arpt      | 89214     | NOAA   | 27.6500 | -80.4167 | 189 | 1/1/1995  | 12/1/2010 | IRL                    |
| W Melbourne Rn            | 790135    | SJRWMD | 28.0772 | -80.6021 | 73  | 6/1/1995  | 4/1/2002  | IRL                    |
| West Cnl                  | 870172    | SJRWMD | 27.7563 | -80.5111 | 62  | 11/1/1996 | 4/1/2002  | IRL                    |
| Willowbrook TP            | 740124    | SJRWMD | 27.8880 | -80.6659 | 81  | 1/1/1995  | 6/1/2002  | within 10 miles        |
| Wolf Ck S-163             | 610265    | SJRWMD | 28.2109 | -80.9109 | 80  | 1/1/1995  | 7/1/2002  | Outside 10 mile Buffer |
| Yeehaw Junction           | 1330563   | SJRWMD | 27.6967 | -80.8958 | 177 | 8/1/1995  | 12/1/2010 | Outside 10 mile Buffer |

Of the 68 rainfall stations, 24 are located within the IRL basin boundary and another 29 are located within 10 miles of the IRL basin. The number of monthly observations varied from station to station. Some stations had a nearly complete set of observations spanning the entire time period, while others were less than 30% complete. Twenty-one stations had more than 14 years (168 observations) and 13 had fewer than 5 years (60 observations). For any given month, the number of stations with observations varied. For instance, April 1999 had the maximum number of stations with observations (59), and September 2004 had a minimum of 27 stations, with observation losses due to hurricanes Frances and Jeanne passing through the area that month. The number of stations with observations also changed over time. Between 2001-2002, 25 stations discontinued rainfall measurement. Overall, the mean number of stations with monthly observations dropped 34% from 51.4 prior to 2001, to 33.9 after 2002. Similarly, the mean monthly number of observations within the IRL watershed dropped 35% from 20.1 prior to 2001 to 13.0 after 2002. Locations of stations with acceptable rainfall data for September 2004, the month with the fewest stations with rain measurements are indicated on Figure 2-3. Fortunately, the distribution of stations in Figure 2-3 is fairly uniform and did not adversely affect the monthly isopleth interpolation.

Monthly rainfall within the final dataset varied considerably, both spatially and temporally. A maximum monthly rainfall of 26.87 inches was recorded at the Melbourne WSO station for August 2008 in association with tropical storm Fay, while a monthly rainfall of 0.00 inches was recorded at multiple stations during March 2006 and October 2010. A summary of mean monthly and annual rainfall for all stations within the IRL basin from 1995-2010 is presented in Table 2-2. The mean annual rainfall within the IRL basin from 1995-2010 was 50.38 inches. The driest and wettest years for stations within the IRL basin were 2006 and 1997, with 34.96 and 60.22 inches of rainfall, respectively. The maximum mean monthly rainfall for all stations within the IRL basin was 18.58 inches for August 2008. The lowest monthly mean rainfall was 0.07 inches in October 2010. January had the lowest basin-wide mean monthly rainfall of 2.16 inches, and September had the highest basin-wide mean monthly rainfall of 7.65 inches.

Isopleths of the mean annual rainfall for the IRL watershed for the simulation period (1995-2010) are presented in Figure 2-4. The spatial distribution of mean annual rainfall is fairly “spotty” with most of the IRL basin receiving between 46 and 52 inches. The spatially weighted annual mean value of the rainfall isopleths summarized on Figure 2-4 is 48.68 inches. This value is slightly lower than the mean rainfall of 50.38 inches listed in Table 2-2 for the identified rainfall monitoring sites, many of which were concentrated in southern portions of the IRL basin.

Doppler rainfall data was also considered as an alternative to interpolated rainfall station isopleths because it has a more uniform spatial coverage consisting of 2-by-2 km radar pixels. Unfortunately, the available Doppler rainfall data did not begin until April 1998. To check the applicability of combining isopleths for rainfall prior to April 1998 with Doppler rainfall for periods after April 1998, the Doppler rainfall was compared to monitoring station measurements by aligning individual 2-by-2 km Doppler radar pixels with rainfall monitoring station locations. Two years were chosen for the comparison: one dry year (2000) and one wet year (2005). Only 12 monitoring stations located within the IRL watershed had complete data for both years. A comparison of measured vs. Doppler rainfall is presented Table 2-3. The monthly means presented in Table 2-2 are means for all available months for that year. For each station, only months with available data were compared. For example, the Palm Bay STP station was missing June 2000 rainfall; therefore, the mean rainfall for the Doppler pixel for June 2000 was discarded when calculating the Doppler mean.

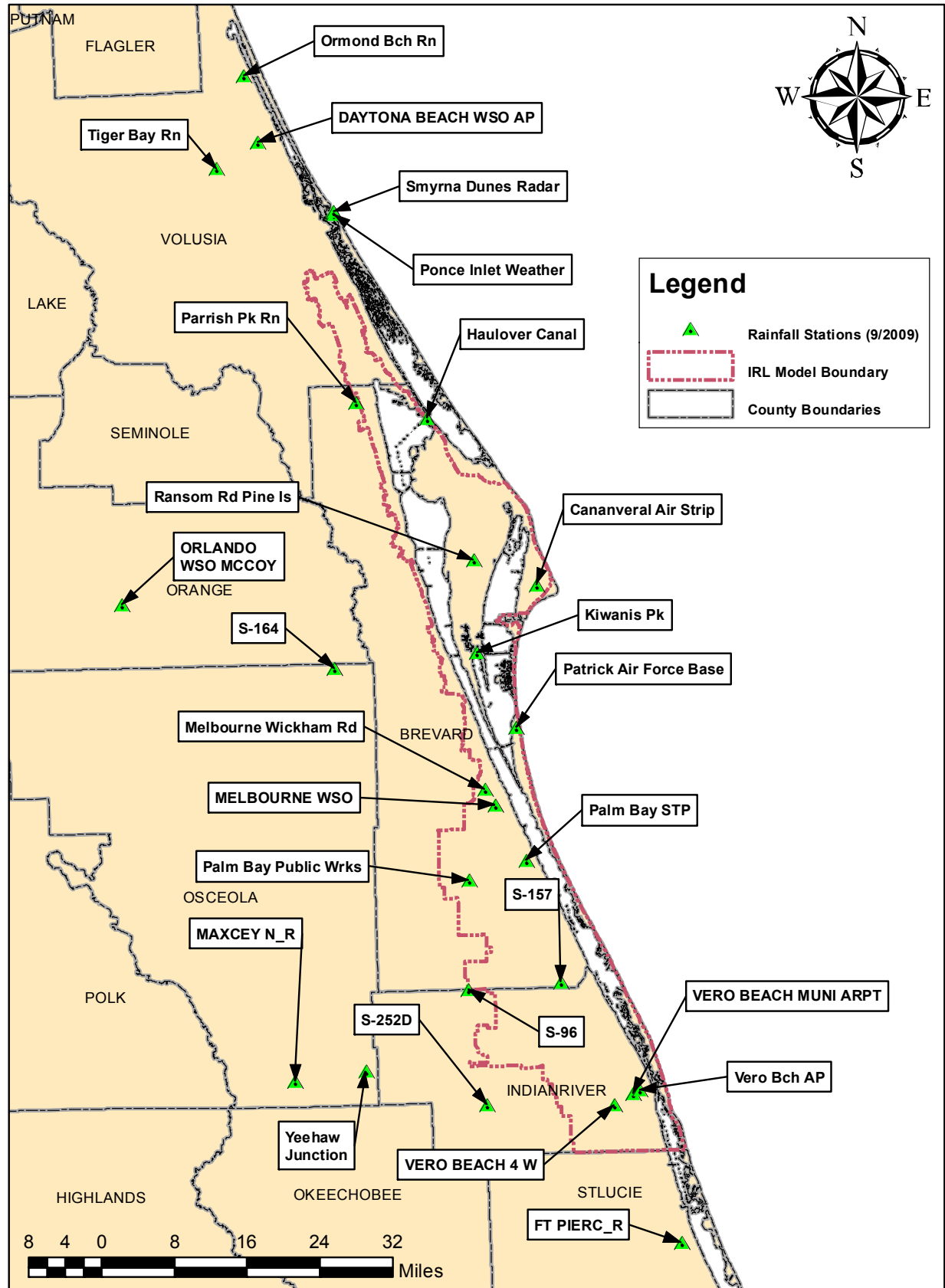


Figure 2-3. Rainfall Monitoring Stations Reporting Complete Datasets for September 2004.

TABLE 2-2

**OVERALL MEAN MONTHLY AND ANNUAL RAINFALL FOR  
RAINFALL STATIONS WITHIN THE IRL WATERSHED BOUNDARY**

| YEAR | MEAN MONTHLY RAINFALL (inches) |      |       |      |       |       |       |       |       |       |      |      | MEAN<br>ANNUAL RAINFALL<br>(inches) |
|------|--------------------------------|------|-------|------|-------|-------|-------|-------|-------|-------|------|------|-------------------------------------|
|      | Jan.                           | Feb. | Mar.  | Apr. | May   | June  | July  | Aug.  | Sept. | Oct.  | Nov. | Dec. |                                     |
| 1995 | 2.25                           | 2.35 | 2.60  | 2.99 | 2.43  | 7.17  | 6.50  | 13.14 | 6.57  | 10.02 | 0.83 | 0.73 | 57.57                               |
| 1996 | 4.30                           | 0.85 | 10.91 | 1.28 | 4.35  | 9.14  | 4.72  | 4.32  | 4.42  | 5.74  | 0.93 | 2.03 | 52.99                               |
| 1997 | 2.57                           | 1.53 | 2.13  | 5.57 | 4.82  | 6.72  | 6.98  | 8.00  | 6.53  | 2.42  | 6.26 | 6.67 | 60.22                               |
| 1998 | 4.33                           | 5.89 | 4.98  | 1.65 | 0.83  | 1.11  | 7.42  | 8.08  | 9.24  | 2.47  | 4.04 | 1.15 | 51.20                               |
| 1999 | 2.79                           | 0.83 | 0.58  | 1.61 | 5.05  | 8.36  | 1.66  | 7.33  | 11.00 | 11.28 | 2.34 | 2.10 | 54.91                               |
| 2000 | 2.52                           | 0.42 | 2.04  | 2.07 | 0.37  | 5.56  | 8.41  | 2.73  | 7.93  | 4.78  | 0.45 | 0.70 | 37.96                               |
| 2001 | 0.56                           | 0.86 | 4.50  | 0.86 | 4.41  | 7.46  | 11.51 | 6.29  | 12.97 | 3.88  | 3.63 | 0.76 | 57.70                               |
| 2002 | 1.97                           | 3.57 | 0.67  | 1.78 | 2.27  | 11.71 | 6.17  | 9.08  | 3.38  | 2.88  | 2.13 | 8.46 | 54.07                               |
| 2003 | 1.10                           | 1.53 | 4.30  | 2.18 | 1.58  | 9.42  | 4.42  | 6.98  | 6.80  | 1.05  | 1.89 | 2.65 | 43.91                               |
| 2004 | 2.20                           | 3.45 | 1.02  | 1.50 | 0.67  | 7.48  | 4.54  | 10.19 | 17.07 | 3.16  | 0.85 | 2.71 | 54.84                               |
| 2005 | 1.72                           | 2.85 | 5.50  | 2.85 | 3.83  | 11.47 | 2.48  | 5.95  | 7.42  | 10.75 | 2.88 | 2.15 | 59.86                               |
| 2006 | 0.46                           | 2.59 | 0.30  | 1.16 | 1.79  | 6.32  | 5.25  | 6.56  | 4.64  | 1.17  | 2.82 | 1.92 | 34.98                               |
| 2007 | 1.96                           | 1.44 | 1.10  | 1.85 | 1.73  | 7.92  | 11.92 | 1.97  | 7.21  | 7.33  | 1.26 | 0.91 | 46.61                               |
| 2008 | 2.64                           | 1.91 | 2.74  | 3.15 | 1.30  | 5.89  | 8.98  | 18.58 | 3.76  | 6.96  | 1.91 | 0.84 | 58.67                               |
| 2009 | 1.32                           | 0.55 | 1.14  | 1.06 | 10.30 | 4.96  | 6.71  | 3.88  | 5.44  | 0.92  | 0.97 | 5.65 | 42.87                               |
| 2010 | 1.40                           | 3.44 | 8.42  | 2.99 | 2.13  | 4.34  | 1.88  | 4.80  | 5.37  | 0.07  | 2.15 | 0.77 | 37.77                               |
| Mean | 2.26                           | 2.13 | 3.40  | 2.16 | 3.09  | 7.05  | 6.35  | 7.09  | 7.65  | 4.86  | 2.32 | 2.48 | 50.38                               |

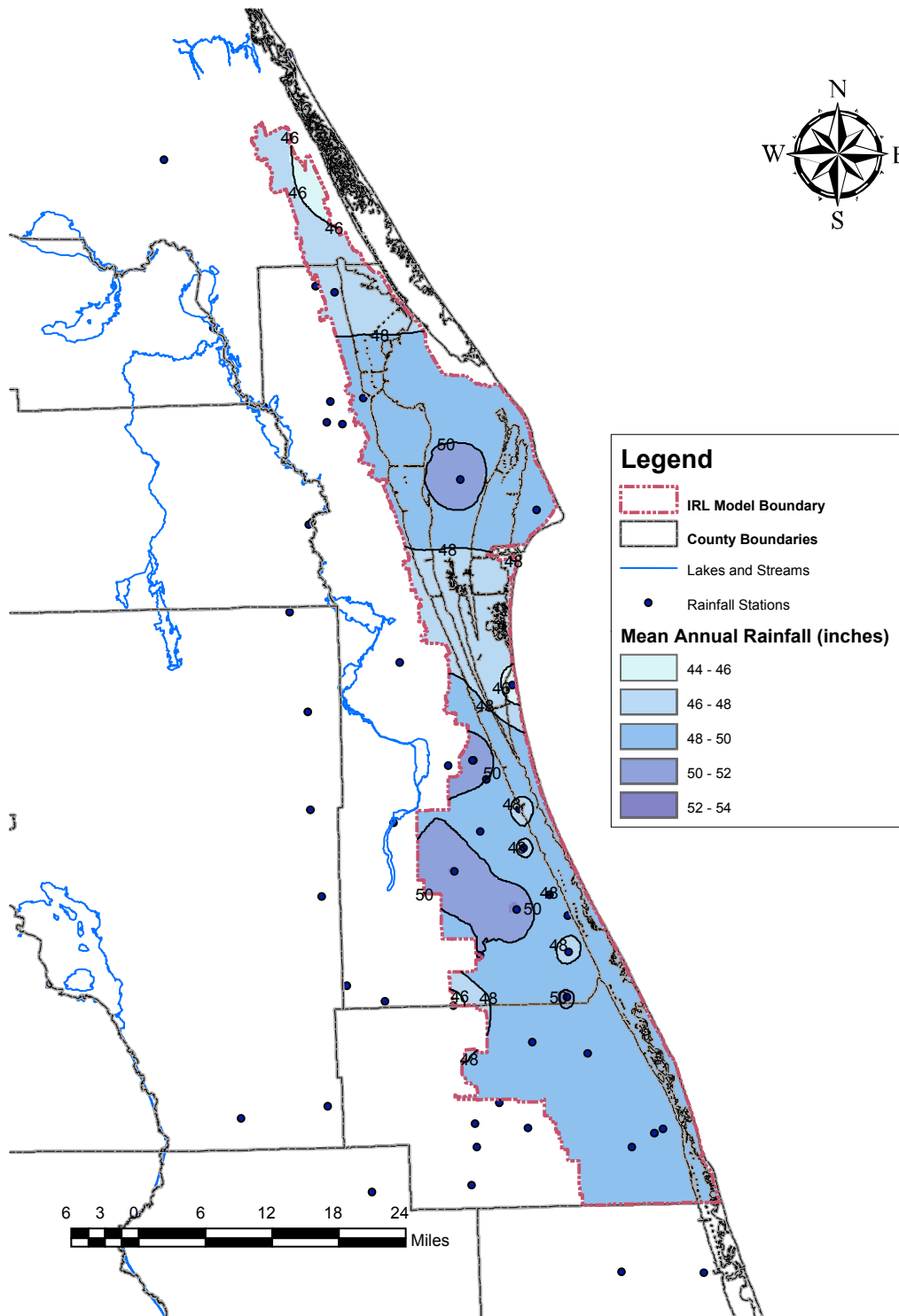


Figure 2-4. Mean Annual Rainfall Isopleths for the IRL from 1995-2010.



TABLE 2-3

**COMPARISON OF MEAN MONTHLY RAINFALL FOR  
MEASURED AND DOPPLER RADAR ESTIMATED RAINFALL**

| STATION                 | SOURCE | 2000 MONTHLY<br>MEAN RAINFALL<br>(inches) |             |             | PERCENT<br>DIFFERENCE<br>(%) | 2005 MONTHLY<br>MEAN RAINFALL<br>(inches) |             |             | PERCENT<br>DIFFERENCE<br>(%) |
|-------------------------|--------|-------------------------------------------|-------------|-------------|------------------------------|-------------------------------------------|-------------|-------------|------------------------------|
|                         |        | n                                         | Station     | Doppler     |                              | n                                         | Station     | Doppler     |                              |
| Ransom Rd Pine Is       | SJRWMD | 6                                         | 3.47        | 2.75        | 20.7                         | 12                                        | 5.22        | 5.23        | -0.3                         |
| Vero Beach 4 W, Florida | NOAA   | 12                                        | 3.54        | 2.83        | 19.9                         | 9                                         | 5.34        | 4.69        | 12.1                         |
| Titusville, Florida     | NOAA   | 12                                        | 2.73        | 2.09        | 23.4                         | 10                                        | 6.28        | 5.85        | 6.8                          |
| Kiwanis Pk              | SJRWMD | 12                                        | 2.86        | 2.17        | 24.0                         | 12                                        | 4.76        | 5.82        | -22.3                        |
| Patrick Air Force Base  | PAFB   | 10                                        | 3.15        | 2.05        | 34.9                         | 12                                        | 4.58        | 6.06        | -32.6                        |
| Vero Bch AP             | SJRWMD | 12                                        | 3.56        | 2.95        | 17.3                         | 12                                        | 4.23        | 4.84        | -14.5                        |
| S-157                   | SJRWMD | 9                                         | 4.37        | 3.04        | 30.5                         | 11                                        | 4.45        | 4.75        | -6.6                         |
| Palm Bay STP            | SJRWMD | 11                                        | 2.58        | 2.17        | 15.8                         | 12                                        | 4.72        | 6.59        | -39.6                        |
| Palm Bay Public Works   | SJRWMD | 12                                        | 3.13        | 2.67        | 14.7                         | 12                                        | 4.63        | 5.53        | -19.5                        |
| Melbourne Wickham Rd    | SJRWMD | 10                                        | 3.15        | 3.01        | 4.6                          | 12                                        | 4.58        | 6.44        | -40.7                        |
| Vero Beach Muni Arprt   | NOAA   | 12                                        | 3.94        | 2.96        | 24.8                         | 12                                        | 4.78        | 4.84        | -1.2                         |
| Melbourne WSO           | NOAA   | 12                                        | 3.60        | 3.27        | 9.2                          | 12                                        | 5.50        | 6.25        | -13.6                        |
| <b>MEAN:</b>            |        | --                                        | <b>3.34</b> | <b>2.66</b> | <b>19.98</b>                 | --                                        | <b>4.92</b> | <b>5.57</b> | <b>-14.33</b>                |

The mean monthly Doppler rainfall estimates for the dry year (2000) ranged from 4.6-34.9% below the measured rainfall, with a mean of 20% below the field monitored value. For the wet year (2005), the mean monthly Doppler rainfall estimate ranged from a 40.7% under-estimate to a 12.1% over-estimate, with a mean of 14.3% below the field measured value. The Doppler rainfall estimates tended to under-estimate the dry year (37.96 inches) and over-estimate the wet year (59.86 inches). Based on this comparison, the advantage of using the Doppler rainfall uniform spatial coverage was outweighed by the more quantifiable field measured rainfall.

Monthly isopleths in the form of GIS raster files were created from the final rainfall dataset over the period from 1995-2010 using the Spatial Analyst extension in ArcGIS. Monthly isopleths were interpolated using the inverse distance weighting (IDW) method with the default settings. The maximum number of available station observations was used for each monthly interpolation. For example, the number of observations used for September 2004 and April 1999 were 27 and 59, respectively. The mean number of monthly observations for the simulation period was 41.6.

The combined field measured rainfall data set was used to generate monthly rainfall isopleths for the IRL basin over the 16-year period from 1995-2010. This process generated a total of 192 separate rainfall isopleth contour maps for use with the SWIL model which reflect the monthly rainfall inputs into the model during the 16-year simulation period.

### **2.1.2 Review/Revision of Hydrologic Soil Group Classifications**

Estimation of runoff volumes in the original PLSM model for the IRL watershed is based upon hydrologic soil characteristics for the IRL watershed published in 1999 by NRCS. An overview of hydrologic soil groups in the IRL watershed based upon the 1999 NRCS soil survey is given on Figure 2-5. In this survey, the majority of areas west of the barrier islands are classified in hydrologic soil group (HSG) B/D, with soil groups within the barrier islands characterized in either HSG A or HSG C. However, after reviewing the 1999 hydrologic soil groups, it became apparent that many areas were incorrectly classified into hydrologic soil groups which do not accurately reflect the anticipated rainfall/runoff relationships for the soils. In most cases, these areas appear to be assigned hydrologic soil groups which would predict less infiltration and a higher degree of runoff. In addition, large areas of the watershed are listed as “urban” or “X” hydrologic soil groups which reflect urban developed areas where soil groups could not be accurately determined.

A revised soil survey was published by NRCS during 2010 which updated and revised hydrologic soil groups throughout much of the IRL watershed. An overview of hydrologic soil groups in the IRL watershed based upon the revised 2010 NRCS soil survey is given on Figure 2-6. In this survey, the majority of areas west of the barrier island are now classified in HSG A/D, with the barrier island areas primarily exhibiting HSG A. The updated 2010 survey reflects a significant change in soil hydrologic characteristics compared with the 1999 soil survey, particularly for areas along the barrier island. In general, the revised 2010 soil classifications indicate a lower runoff potential and a higher degree of groundwater infiltration than would occur for the soils listed under the 1999 survey.

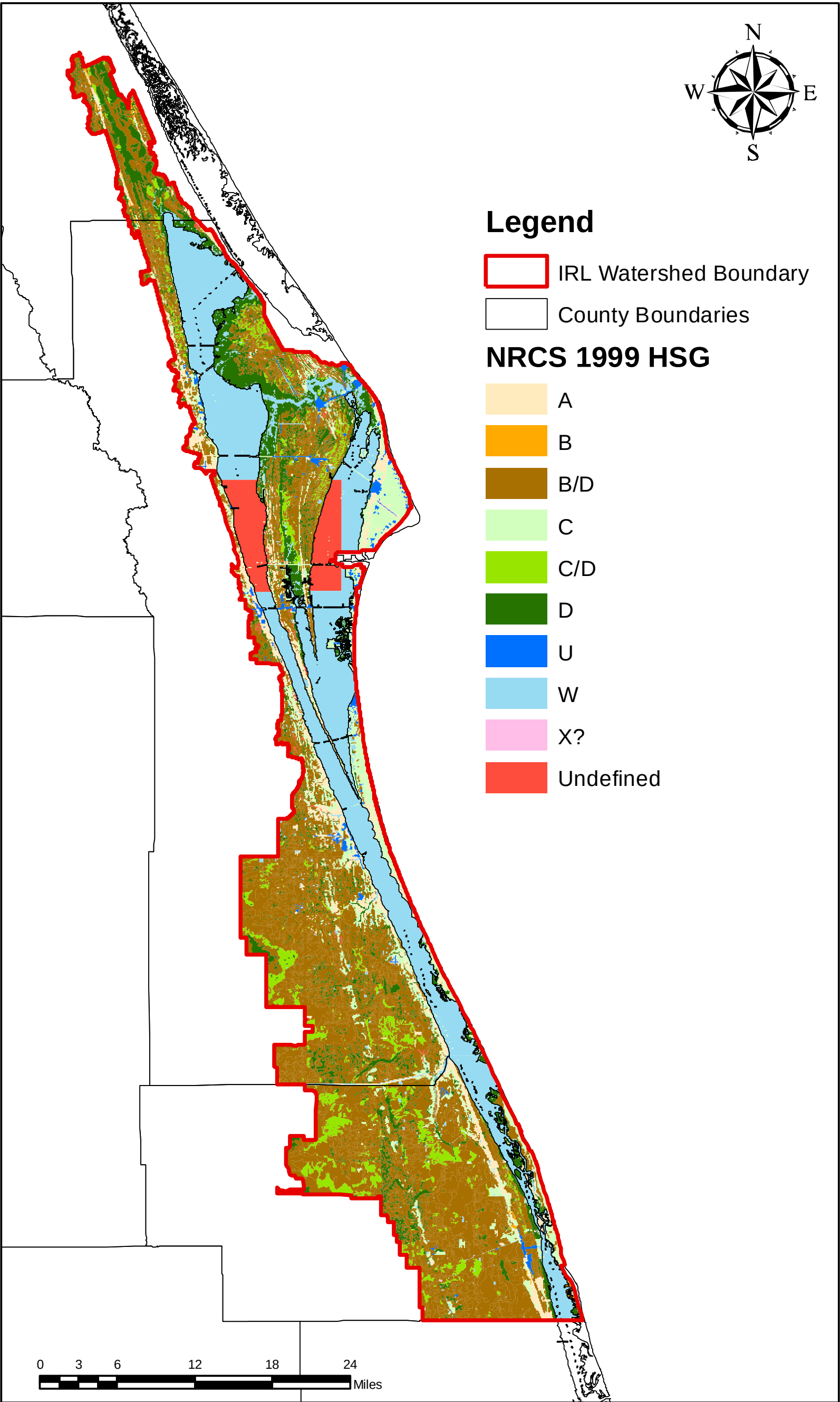


Figure 2-4. Hydrologic Soil Groups (HSG) in the IRL Watershed Based on the 1999 NRCS Soil Survey.

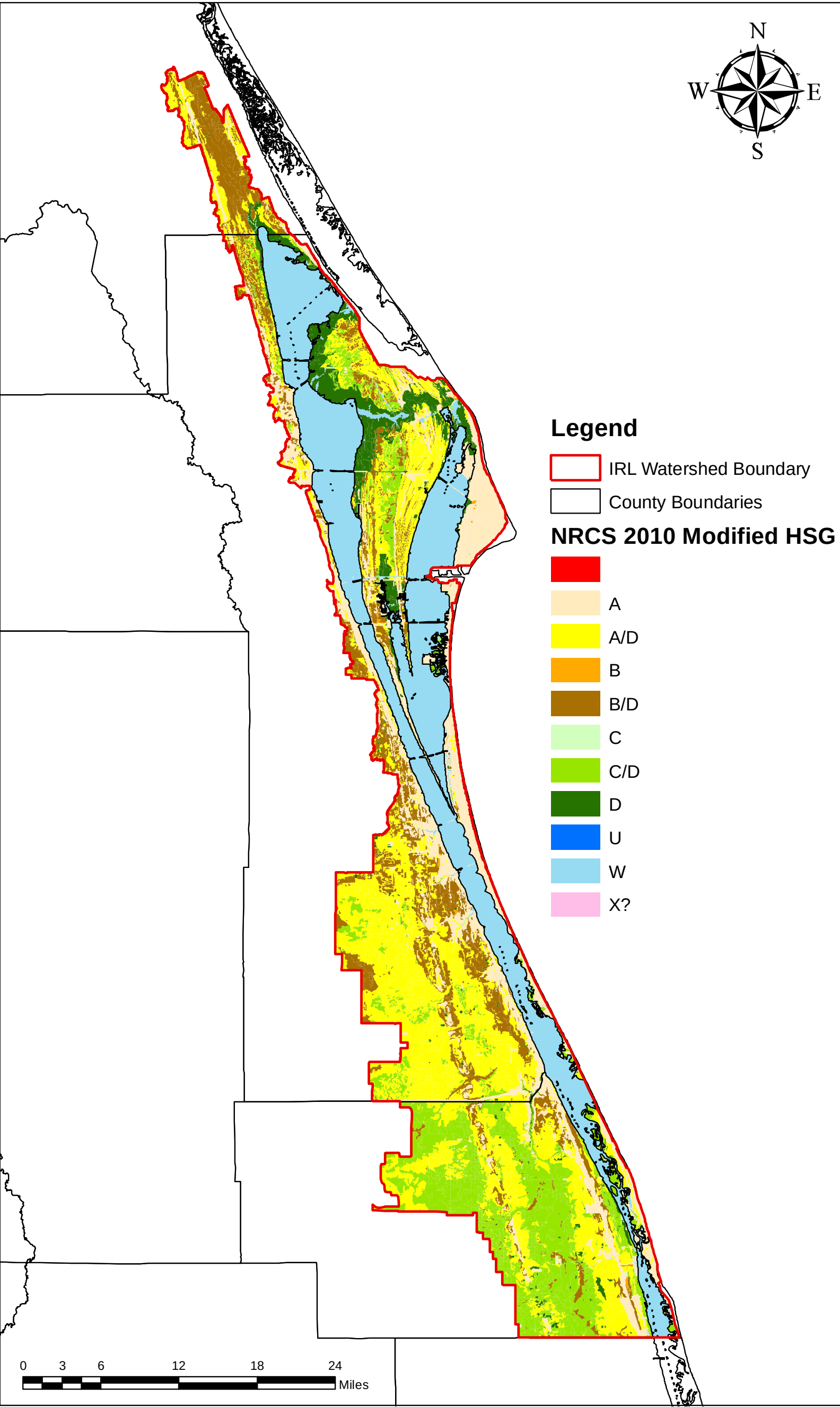


Figure 2-5. Hydrologic Soil Groups (HSG) in the IRL Watershed Based on the Revised 2010 NRCS Soil Survey.

Although the 2010 revised NRCS soil survey appears to have corrected many of the apparent inaccuracies in hydrologic soil group classifications within the IRL watershed, it still contains large areas which are listed as “X” or “Urban” indicating that a soil grouping is not assigned. Since the purpose of identifying soil groups is to assign curve numbers for estimation of runoff from pervious surfaces, the assigned “X” or “Urban” categories are inadequate for estimation of runoff volumes. An example of areas which reflect an Urban or “Blank” soil grouping is given on Figure 2-7. Many of the commercial areas along the SR 520 causeway both in Merritt Island and Cocoa Beach have no definitive soil group assignment in the revised 2010 soil survey.

The GIS layer containing the 2010 NRCS soil groupings consists of pixels (2 km x 2 km grids) which reflect the dominant soil coverage in the land area associated with a given pixel. An example of soil grouping pixels in the vicinity of the urban areas along SR 520 is given on Figure 2-8. This information was used by ERD to develop estimates of the anticipated soil characteristics in the urban areas by interpolating between the soil grouping pixels indicated on Figure 2-8. An example of the estimation method for the “Urban” or “X” soil groupings is given on Figure 2-9. The soil groupings for commercial areas along SR 520 were interpolated using the pixels indicated on Figure 2-8 and ultimately assigned into a combination of HSG A and B. This methodology was used by ERD in all areas indicating “Urban” or “X” soil groupings to create definitive hydrologic soil groups for all areas within the IRL watershed used for generation of runoff coefficients and estimation of annual runoff volumes. A graphical summary of interpolated hydrologic soil group percentages for the areas identified as “Urban” under the 2010 soil survey is given on Figure 2-10. Approximately 65% of the interpolated “Urban” areas were assigned into HSG A, with 13% assigned into HSG B, 15% assigned into HSG C, and 7% assigned into HSG D.

A tabular comparison of NRCS soil classifications for the 1999 and 2010 soil surveys is given on Table 2-4, including the water (W) classification. Approximate acreages in each of the identified hydrologic soil groups are provided for both the 1999 and revised 2010 surveys. A percent change in soil coverage is provided for each listed soil grouping as a percentage of change in total basin area. Overall, an additional 8.8% of the IRL watershed is classified in HSG A during the 2010 soil survey compared with the 1999 survey. An additional 29% of the basin is characterized by HSG A/D in the revised 2010 survey compared with the 1999 survey. Approximately 31.5% of the basin which was formally classified in HSG B/D has been removed, much of which has been revised to HSG A/D. Significant losses in soils characterized in HSG C and HSG D have also occurred between the 2010 and 1999 surveys.

After reviewing the 1999 and 2010 soil surveys, ERD recommended that the SWIL model use the updated NRCS 2010 soil classifications for estimation of runoff volumes. This recommendation was based upon a review of the justifications and recommendations provided by NRCS with the 2010 modified soil classifications along with extensive professional experience in the Brevard County area with estimation and measurement of runoff volumes.



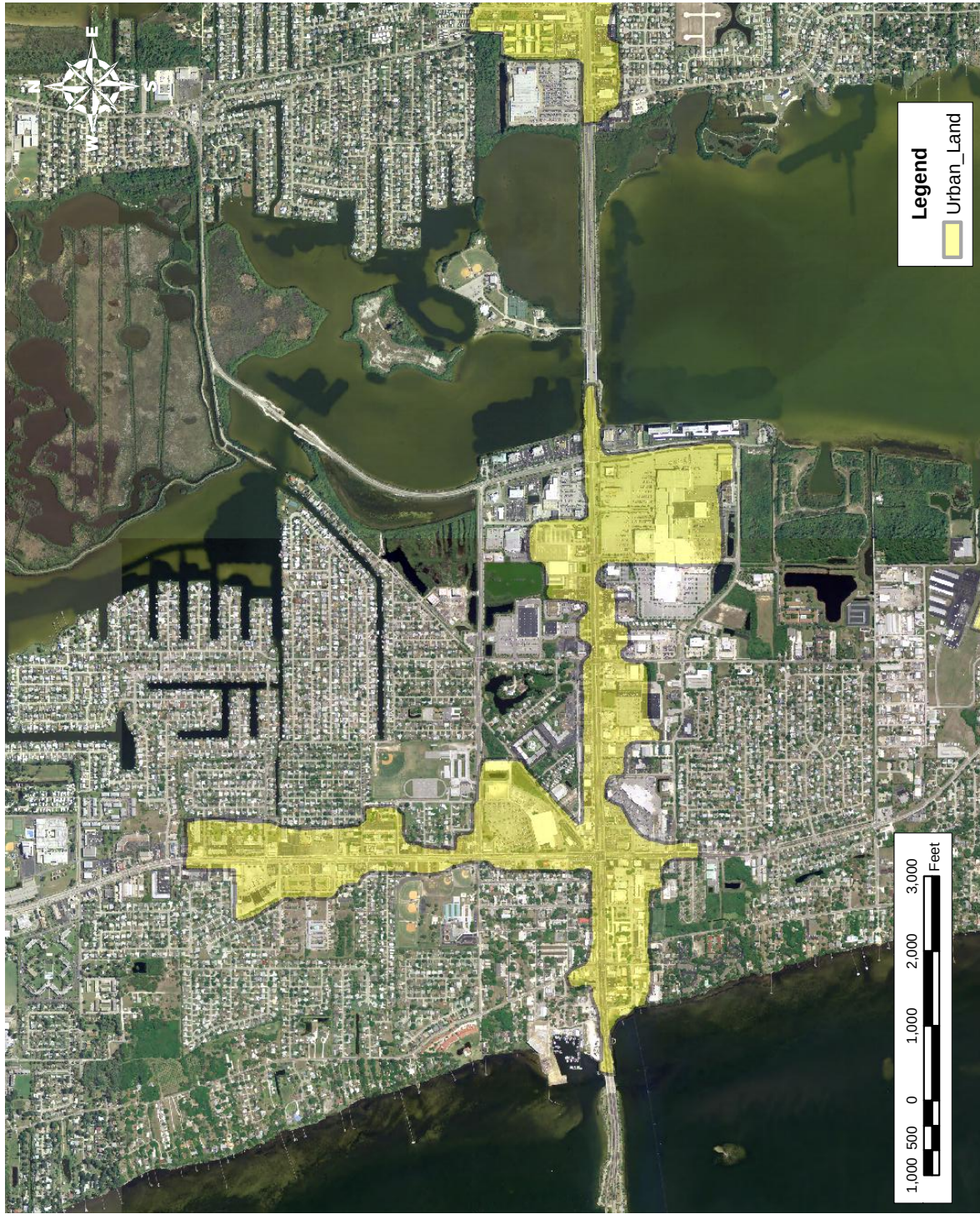


Figure 2-7. Example of Urban or Blank Soil Groupings.



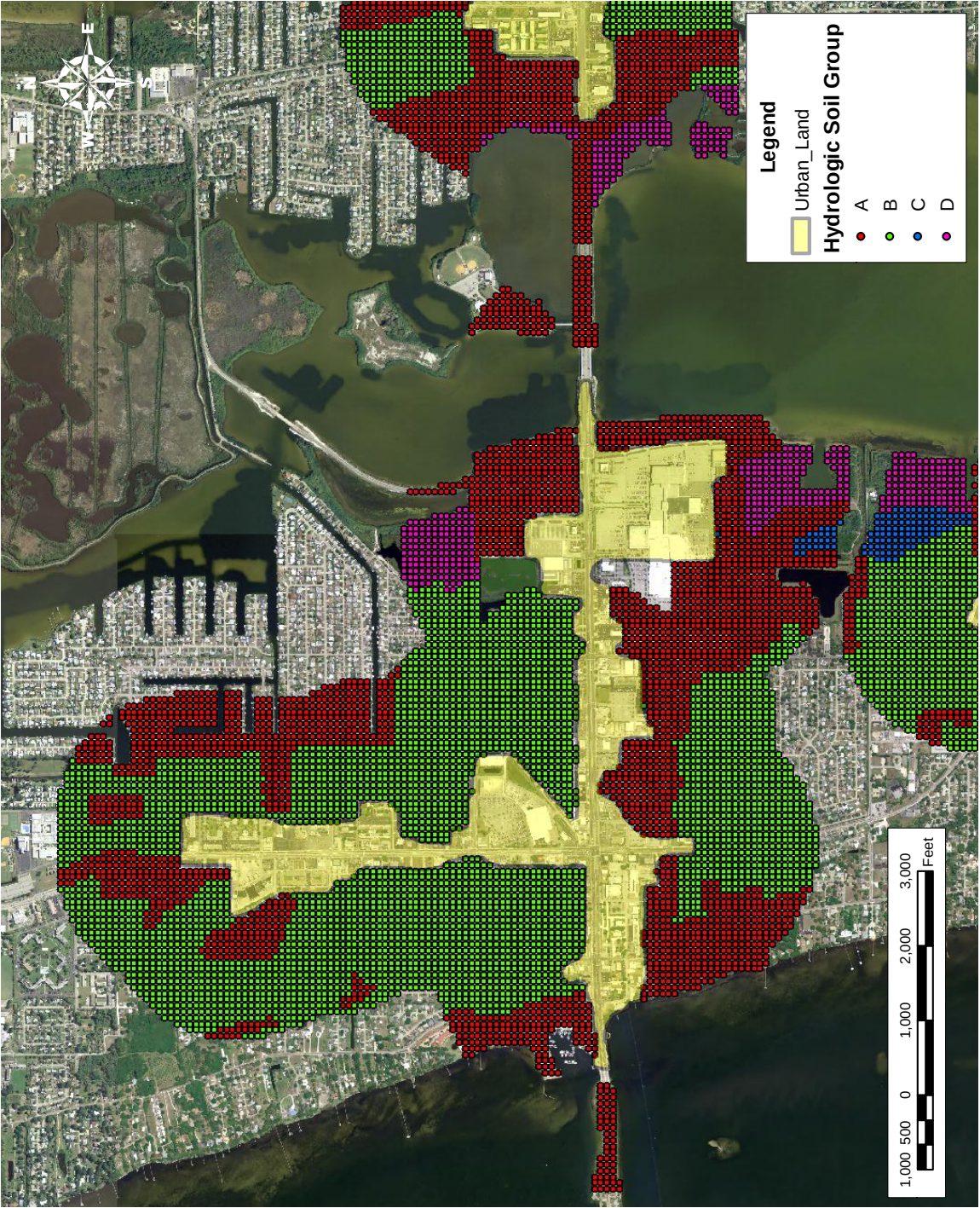


Figure 2-8. Example of 2010 Soil Grouping Pixels in the Vicinity of the “Urban” Areas Along SR 520.



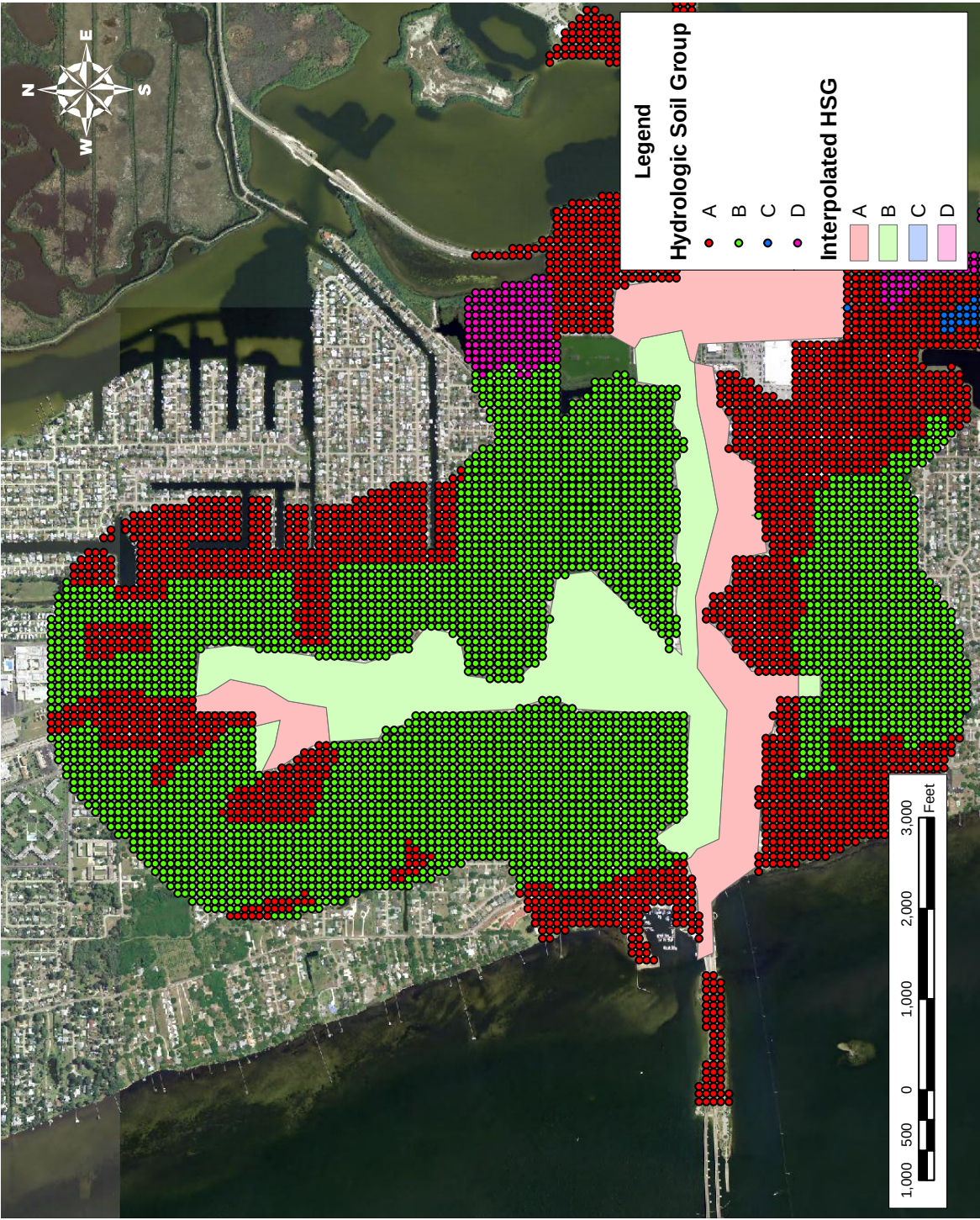


Figure 2-9. Example of Estimation Method for the “Urban” Soil Groupings.



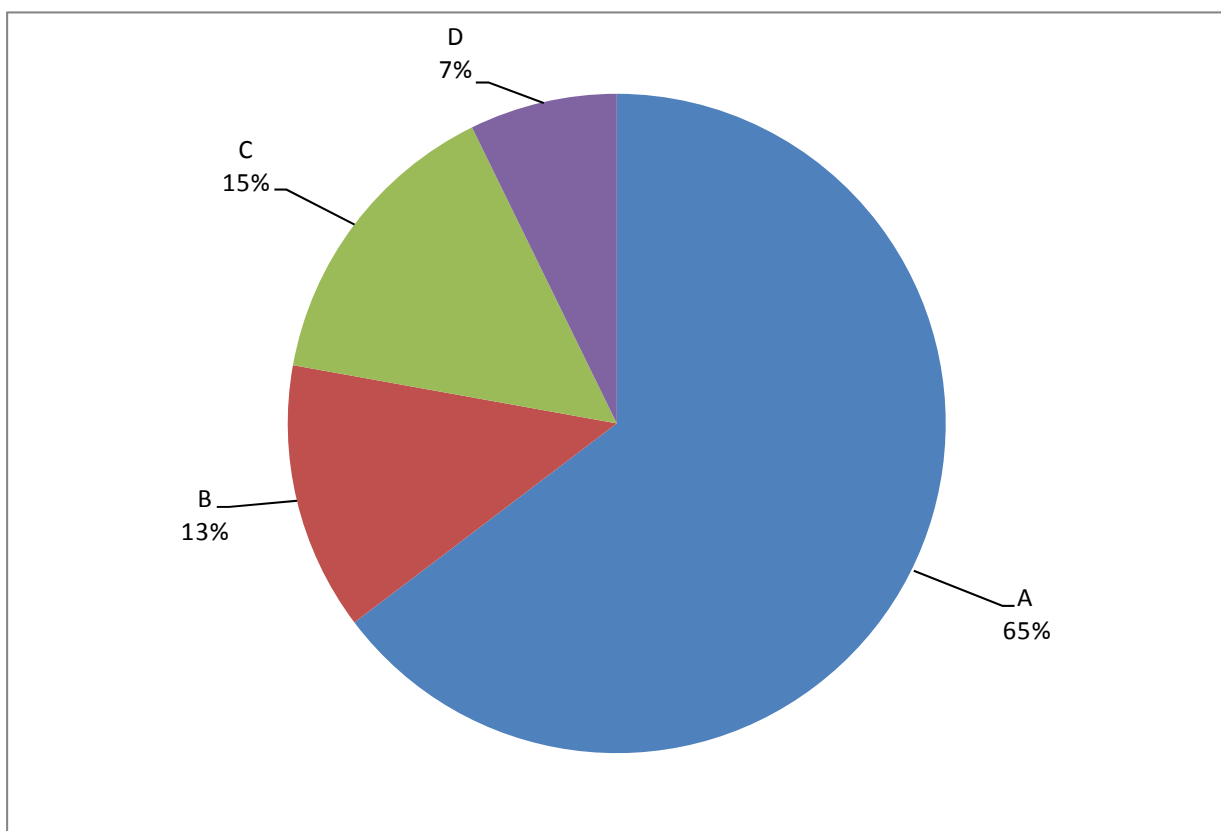


Figure 2-10. Interpolated Hydrologic Soil Group Percentages for 2010 Urban Areas.

**TABLE 2-4**

**COMPARISON OF NRCS SOIL CLASSIFICATIONS  
FOR THE 1999 AND 2010 SOIL SURVEYS**

| HYDROLOGIC<br>SOIL GROUP<br>(HSG) | 1999 NRCS<br>(acres) | 2010 NRCS<br>REVISED<br>(acres) | PERCENT<br>CHANGE <sup>1</sup><br>(%) |
|-----------------------------------|----------------------|---------------------------------|---------------------------------------|
| A                                 | 35,886               | 92,961                          | 8.8                                   |
| A/D                               | 0                    | 188,603                         | 29.0                                  |
| B                                 | 1,481                | 1,223                           | 0.0                                   |
| B/D                               | 286,773              | 82,323                          | -31.5                                 |
| C                                 | 48,212               | 254                             | -7.4                                  |
| C/D                               | 30,754               | 96,458                          | 10.1                                  |
| D                                 | 72,852               | 31,116                          | -6.4                                  |
| U                                 | 7,601                | 0                               | -1.2                                  |
| W                                 | 143,135              | 156,588                         | 2.1                                   |
| X?                                | 59                   | 0                               | 0.0                                   |
| (blank)                           | 22,771               | 0                               | -3.5                                  |
| <b>TOTAL:</b>                     | <b>649,525</b>       | <b>649,525</b>                  | <b>0.0</b>                            |

1. Reflects percentage change in total basin area

Several reviewers expressed concerns over changing soil classifications, particularly on the barrier island, to the HSG A classification recommended by NRCS in the 2010 revision to the soil groupings. The HSG A classification reflects deep sandy soils with a rapid infiltration rate and a deep groundwater table. One of the concerns by the reviewers has been the high groundwater conditions on the western side of the barrier island which, although the soils are generally free-draining, will limit the amount of infiltration due to the elevated water table conditions. However, this concern is primarily an issue when modeling large storms to evaluate stormsewer system performance under flood conditions. During these large storms, the soil storage normally associated with HSG A soils may not be present due to the high water table condition, resulting in an under-estimation of the total volume of runoff generated during design storm events. However, the runoff modeling used in the SWIL model does not rely upon modeling runoff for design storm events but instead models individual rain events which occur on a daily basis. During these substantially smaller events, the elevated water table conditions will have no impact or limitation on infiltration during normal storm events.

### **2.1.3 Estimation of Runoff Quantities**

Estimates of event-based, annual, and monthly runoff volumes were calculated to evaluate variability in runoff generation and nutrient loadings to the IRL on a monthly basis over the period from 1995-2010 for input into the SWIL model. These calculations were performed using the NRCS Curve Number Methodology and the historical rainfall data sets for selected meteorological sites in and near the IRL watershed. A discussion of the methodology and results of this modeling is given in the following sections.

#### **2.1.3.1 Methodology for Runoff Estimation**

As part of the evaluations for the Statewide Stormwater Rule process, ERD developed a modified NRCS curve number methodology which utilizes separate calculations for the runoff volume generated from directly connected impervious areas (DCIA) and non-DCIA areas. An impervious area is considered to be directly connected if runoff from the area flows directly into the drainage conveyance system, such as a gutter or stormsewer. Areas are also considered to be directly connected if runoff from the area occurs as a concentrated shallow flow that is conveyed through a pervious area, such as a roadside swale, and then into a drainage system. The modified ERD method assumes that after allotting for initial abstraction, all rainfall which occurs on directly connected impervious areas becomes stormwater runoff.

Non-directly connected impervious areas (non-DCIA) include all pervious areas and portions of impervious areas which are not considered to be directly connected. The methodology assumes that runoff generated in these areas has the opportunity to infiltrate into the soil, depending upon the soil types and land cover characteristics, before significant runoff volumes begin to be generated within the area. The runoff generating characteristics of non-DCIA areas are quantified through the use of a curve number (CN). A curve number is a hydrologic factor which is used to reflect the runoff potential of a particular land use and soil type. Theoretical values for curve numbers range from 0-100, with low values reflecting a low runoff potential and higher values reflecting a high runoff potential. Representative curve numbers can be obtained from a variety of sources, although the original source of these data was published by the Natural Resources Conservation Service (NRCS) as Technical Release 55 titled "Urban Hydrology for Small Watersheds" dated June 1986. This reference provides an extensive listing of curve numbers for different hydrologic soil groups and land use covers.

The TR 55 document divides soil groups within the United States into Hydrologic Soil Groups (HSG) which groups general soil types with respect to runoff-producing characteristics. A summary of the characteristics of the designated hydrologic soil groups, identified as A, B, C, and D, is given in Table 2-5. The primary consideration in assigning soils to the general soil group types is the inherent capacity of the bare soil to permit infiltration. Soils classified in HSG A consist primarily of deep sandy soils, with a high infiltration rate and a low runoff potential. The vast majority of rainfall which occurs in these areas is absorbed by infiltration and does not become stormwater runoff. Soils classified in HSG D consist of clayey-type soils or soils with a high organic content which exhibit a low infiltration rate and a high runoff potential, and a large portion of the rainfall which occurs on soils in this classification ultimately becomes stormwater runoff.

**TABLE 2-5**  
**CHARACTERISTICS OF NRCS HYDROLOGIC**  
**SOIL GROUP CLASSIFICATIONS**

| SOIL GROUP | DESCRIPTION                                  | RUNOFF POTENTIAL | MINIMUM INFILTRATION RATE (inches/hour) |
|------------|----------------------------------------------|------------------|-----------------------------------------|
| A          | Deep sandy soils                             | very low         | 0.30-0.45                               |
| B          | Shallow sandy soils                          | low              | 0.15-0.30                               |
| C          | Sandy soil with high clay or organic content | medium to high   | 0.05-0.15                               |
| D          | Clayey soils                                 | very high        | 0.00-0.05                               |

The modified NRCS method used by ERD calculates the runoff volume for a given rainfall event by adding the rainfall excess (runoff) from the non-DCIA portion to the rainfall excess created from the DCIA portion of the land use. Rainfall excess from the DCIA and non-DCIA areas is then calculated using the following set of equations:

### **1. Rainfall Excess from Non-DCIA Areas**

The composite curve number (CN) for the non-DCIA areas is calculated as:

$$nDCIA \text{ CN} = \frac{CN * (100 - Imp) + 98 (Imp - DCIA)}{(100 - DCIA)}$$

The composite curve number is then used to calculate the soil storage, S:

$$\text{Soil Storage (S)} = \left( \frac{1000}{nDCIA \text{ CN}} - 10 \right)$$

Runoff from the non-DCIA area for a rain event is calculated using the following equation:

$$Q_{nDCIA} = \frac{(P_i - 0.2S)^2}{(P_i + 0.8S)}$$

|        |                           |   |                                                 |
|--------|---------------------------|---|-------------------------------------------------|
| where: | <i>CN</i>                 | = | curve number for pervious area                  |
|        | <i>Imp</i>                | = | percent impervious area                         |
|        | <i>DCIA</i>               | = | percent directly connected impervious area      |
|        | <i>nDCIA CN</i>           | = | curve number for non-DCIA area                  |
|        | <i>P<sub>i</sub></i>      | = | event rainfall                                  |
|        | <i>Q<sub>nDCIAi</sub></i> | = | rainfall excess for non-DCIA for rainfall event |

## **2. Rainfall Excess from DCIA Areas**

For the DCIA portion, rainfall excess for a rain event is calculated using the following equation:

$$Q_{DCIAi} = (P_i - 0.1)$$

When  $P_i$  is less than 0.1,  $Q_{DCIAi}$  is equal to zero. This factor reflects the initial abstraction for the impervious areas which assumes that the first 0.1 inch of rainfall is stored within the irregularities in the impervious surfaces and does not become stormwater runoff. After these surfaces become filled with the initial 0.1 inch of rainfall, additional rainfall begins to generate runoff on these surfaces.

## **3. Rainfall Excess Total**

The total rainfall excess for a rain event is calculated as:

$$Q_{Total} = Q_{nDCIA} + Q_{DCIA}$$

### **2.1.3.2 Development of Rain Event Data Sets**

One of the primary objectives of the hydrologic modeling efforts conducted by ERD for the SWIL model is to evaluate the impacts of variability in probability distributions of individual rain events throughout the IRL watershed on rainfall/runoff relationships, as characterized by variabilities in modeled runoff coefficients. The impacts of variability in the sizes of individual rain events can best be evaluated using a continuous simulation hydrologic model which evaluates rainfall/runoff relationships over an extended period of time. However, this type of continuous modeling cannot be adequately conducted using rainfall data summarized on a daily basis, and hourly data (at a minimum) are necessary to adequately identify individual rain events and properly model rainfall/runoff relationships. A number of meteorological monitoring stations are located in or near the IRL watershed which record hourly data necessary for hydrologic modeling. However, many of these stations were established relatively recently and have a limited database of monitored rainfall events. In general, a minimum period of record of approximately 30 years or more is necessary to adequately define rainfall distributions and evaluate long-term rainfall/runoff relationships.

Only three meteorological monitoring stations are located either in or near the IRL watershed with adequate recorded hourly data necessary for hydrologic modeling. These sites include Daytona Beach (located north of the IRL watershed), Melbourne (located near the center of the IRL watershed), and Vero Beach (located on the south end of the IRL watershed). Hourly precipitation data are available from each of these monitoring stations, with a period of hourly rainfall data ranging from 47-63 years. However, although these sites contain a long-term period of record, each site still contains periods of missing data and monitoring gaps. To create complete data sets, ERD substituted precipitation data for missing periods of record using precipitation data for the missing period obtained from the closest hourly precipitation monitoring site. In addition, the Vero Beach monitoring site was relocated during the available period of record, with portions of the historical data set originating from each of the two monitoring locations.

A summary of sources of composite rainfall data used for modeling runoff coefficients for the IRL is given in Table 2-6. Hourly rainfall data are available for the Daytona Beach site from 1942-2005. The data set at this site is extremely complete, with substitute data required from the adjacent Marineland hourly monitoring site for two months of the 63-year period of record. Rainfall data at the Melbourne monitoring site are available over a 47-year period from 1959-2005. Approximately 91.8% of the monthly periods included in this interval contain complete hourly data sets. Hourly rainfall for the missing monthly periods was obtained from the closest hourly monitoring station with a complete data set for the missing monthly period. These data were obtained from another Melbourne monitoring site or the Vero Beach monitoring site. Hourly rainfall data for the Vero Beach monitoring site are available over the 53-year period from 1951-2003. However, the monitoring station was relocated during this period so the available data set includes hourly rainfall collected at two separate monitoring sites. Complete monthly sets of hourly rainfall data are available from these two locations for approximately 94.2% of the months included in the period of record. Missing data for the other monthly periods were obtained from the St. Lucie or Melbourne hourly monitoring sites.

A summary of mean monthly and annual rainfall at the three hourly rainfall monitoring sites is given on Table 2-7. The annual rainfall at the three sites ranges from 47.52 inches at the Melbourne monitoring site to 50.25 inches at the Vero Beach monitoring site. A location map for the three hourly precipitation monitoring sites is given on Figure 2-11.

TABLE 2-6

**SOURCES OF COMPOSITE RAINFALL DATA USED FOR  
MODELING RUNOFF COEFFICIENTS FOR THE IRL**

| SITE                                                             |                      | STATION<br>I.D. | NUMBER<br>OF<br>MONTHS<br>PER SITE<br>USED | PERCENT<br>OF<br>MONTHS<br>USED<br>PER SITE | NUMBER<br>OF<br>EVENTS<br>PER<br>SITE USED | PERCENT<br>OF<br>EVENTS<br>PER SITE | RAINFALL<br>PER SITE<br>USED | PERCENT<br>OF<br>VOLUME<br>PER SITE |
|------------------------------------------------------------------|----------------------|-----------------|--------------------------------------------|---------------------------------------------|--------------------------------------------|-------------------------------------|------------------------------|-------------------------------------|
| Daytona Beach<br>Regional Airport<br>From 1942-2005<br>(n = 63)  | DB Reg. AP           | 2158            | 753                                        | 99.7                                        | 8010                                       | 99.8                                | 3111.87                      | 99.6                                |
|                                                                  | Marineland           | 5391            | 2                                          | 0.3                                         | 14                                         | 0.2                                 | 13.30                        | 0.4                                 |
|                                                                  | <b>Total:</b>        |                 | <b>755</b>                                 | <b>100</b>                                  | <b>8024</b>                                | <b>100</b>                          | <b>3125</b>                  | <b>100</b>                          |
| Melbourne<br>Regional Airport<br>From 1959-2005<br>(n = 47)      | Mel. Reg. AP         | 5612            | 518                                        | 91.8                                        | 4682                                       | 91.7                                | 2030.00                      | 90.9                                |
|                                                                  | Melbourne 10 WNW     | 5607            | 1                                          | 0.2                                         | 3                                          | 0.1                                 | 0.94                         | 0.0                                 |
|                                                                  | Vero Bch Mun. AP     | 9214            | 16                                         | 2.8                                         | 165                                        | 3.2                                 | 83.52                        | 3.7                                 |
|                                                                  | Vero Bch 4 W         | 9219            | 29                                         | 5.1                                         | 253                                        | 5.0                                 | 118.79                       | 5.3                                 |
|                                                                  | <b>Total:</b>        |                 | <b>564</b>                                 | <b>100</b>                                  | <b>5103</b>                                | <b>100</b>                          | <b>2233</b>                  | <b>100</b>                          |
| Vero Beach<br>Municipal<br>Airport From<br>1951-2003<br>(n = 53) | Vero Bch Mun. AP     | 9214            | 257                                        | 40.5                                        | 2519                                       | 41.1                                | 991.67                       | 37.2                                |
|                                                                  | Vero Beach 4 W       | 9219            | 341                                        | 53.7                                        | 3204                                       | 52.3                                | 1463.66                      | 55.0                                |
|                                                                  | St. Lucie New Lock 1 | 7859            | 19                                         | 3.0                                         | 210                                        | 3.4                                 | 99.82                        | 3.7                                 |
|                                                                  | Melbourne Reg. AP    | 5612            | 18                                         | 2.8                                         | 193                                        | 3.2                                 | 108.33                       | 4.1                                 |
|                                                                  | <b>Total:</b>        |                 | <b>635</b>                                 | <b>100</b>                                  | <b>6126</b>                                | <b>100</b>                          | <b>2663</b>                  | <b>100</b>                          |

TABLE 2-7

**SUMMARY OF MEAN MONTHLY AND ANNUAL  
RAINFALL AT THE HOURLY RAINFALL MONITORING SITES**

| MONTH        | DAYTONA BEACH<br>REGIONAL AIRPORT<br>(2158) (1942-2005) |                                      | MELBOURNE REGIONAL<br>AIRPORT (5612)<br>(1942-2005) |                                      | VERO BEACH<br>MUNICIPAL AIRPORT<br>(9214) (1942-2003) |                                      |
|--------------|---------------------------------------------------------|--------------------------------------|-----------------------------------------------------|--------------------------------------|-------------------------------------------------------|--------------------------------------|
|              | Number<br>of Events                                     | Mean<br>Monthly Rainfall<br>(inches) | Number<br>of Events                                 | Mean<br>Monthly Rainfall<br>(inches) | Number<br>of Events                                   | Mean<br>Monthly Rainfall<br>(inches) |
| January      | 473                                                     | 2.48                                 | 259                                                 | 1.91                                 | 316                                                   | 2.16                                 |
| February     | 488                                                     | 2.75                                 | 278                                                 | 2.54                                 | 301                                                   | 2.63                                 |
| March        | 523                                                     | 3.82                                 | 303                                                 | 3.05                                 | 365                                                   | 3.24                                 |
| April        | 376                                                     | 2.39                                 | 248                                                 | 2.23                                 | 331                                                   | 2.54                                 |
| May          | 564                                                     | 2.85                                 | 380                                                 | 3.59                                 | 514                                                   | 3.85                                 |
| June         | 928                                                     | 6.27                                 | 602                                                 | 5.98                                 | 722                                                   | 6.17                                 |
| July         | 934                                                     | 5.85                                 | 583                                                 | 5.46                                 | 708                                                   | 5.69                                 |
| August       | 1006                                                    | 6.43                                 | 621                                                 | 5.60                                 | 734                                                   | 6.08                                 |
| September    | 981                                                     | 6.93                                 | 654                                                 | 7.19                                 | 811                                                   | 7.30                                 |
| October      | 788                                                     | 4.88                                 | 546                                                 | 5.09                                 | 603                                                   | 5.71                                 |
| November     | 482                                                     | 2.55                                 | 330                                                 | 2.87                                 | 399                                                   | 2.79                                 |
| December     | 481                                                     | 2.39                                 | 299                                                 | 2.02                                 | 322                                                   | 2.09                                 |
| <b>Total</b> | <b>8024</b>                                             | <b>49.61</b>                         | <b>5103</b>                                         | <b>47.52</b>                         | <b>6126</b>                                           | <b>50.25</b>                         |

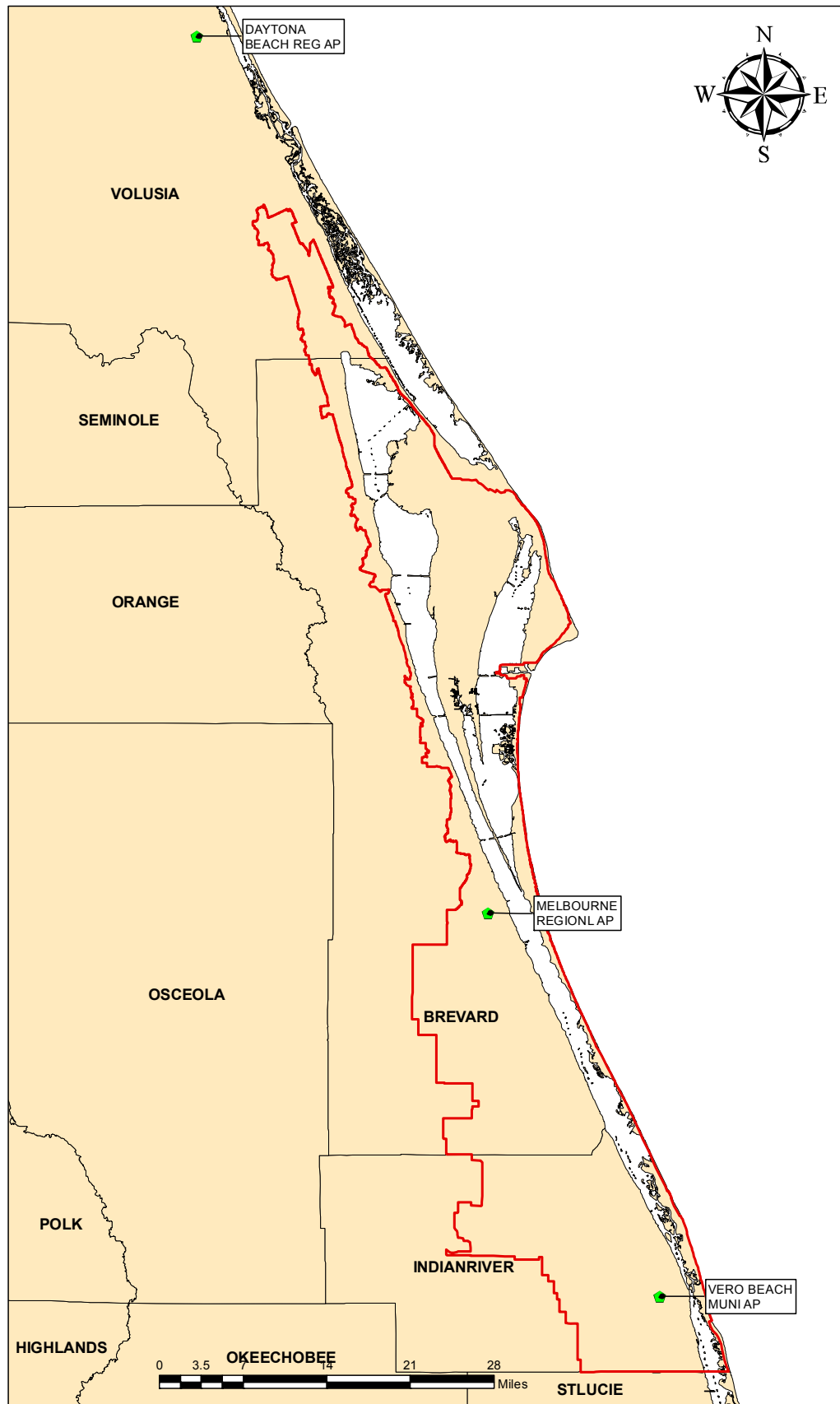


Figure 2-11. Locations of Hourly Meteorological Monitoring Sites in the Vicinity of the IRL Watershed.



To conduct the proposed hydrologic modeling, the available hourly rainfall data sets must first be converted into individual rain events. For purposes of this analysis, a rain event is defined as a period of continuous rainfall. The US EPA typically uses a 6-hour separation for defining individual rain events. Using this criterion, rain episodes separated by less than six hours of dry conditions are considered to be one continuous event, while rain events separated by six hours or more of dry conditions are assumed to be separate events. The six-hour separation period is thought to be the minimum period of no rainfall required to restore the hydrologic characteristics of the site to pre-rain event conditions. Although this definition may be appropriate in the temperate climates present throughout much of the U.S., this definition fails to consider the small convective events which occur frequently within the State of Florida, particularly during the summer months. For rain events in the range of 0.25 inches or more, an inter-event separation period of approximately six hours seems adequate to restore hydrologic characteristics for a Florida watershed. However, for events less than 0.25 inches, hydrologic characteristics can be restored rapidly, often within several hours. Therefore, for purposes of this evaluation, a variable inter-event dry period is utilized. When the cumulative hourly rainfall is equal to 0.25 inches or more, an inter-event dry period of six hours is required to initiate the start of a new rain event. Rainfall which occurs less than six hours from the termination of the previous rainfall is assumed to be part of the original rainfall event. However, for rain events less than 0.25 inches, an inter-event dry period of three hours is used to indicate the start of a new independent runoff event.

Individual rain events were identified in each of the three rainfall data sets using the criteria outlined previously. The number of individual rain events identified during each monthly period at each of the three monitoring sites is given on Table 2-7.

### **2.1.3.3 Seasonal Curve Number Modifications**

The pervious area curve number values listed in engineering texts and reference manuals, used to estimate the amount of runoff lost due to infiltration into the soil during a rain event, reflect a “normal” antecedent moisture condition at the time of the rain event. These curve number values are commonly used for modeling design storm events (25- or 100-year storms) for developed areas where soil infiltration is a relatively insignificant loss in comparison with the overall volume of runoff generated during these design storm events. However, when performing continuous simulation modeling, the soil moisture condition at the time of the rain event can have a significant impact on the runoff volume generated from pervious areas. The NRCS has developed three antecedent soil moisture conditions to account for variability in runoff generation as a function of antecedent rainfall conditions. These three antecedent soil moisture conditions are labeled I, II, and III and are identified as follows:

- Condition I: Little significant rainfall during previous 5-day period; soils are dry
- Condition II: Average conditions
- Condition III: Heavy rainfall, or light rainfall and low temperatures have occurred within the past 5 days; soils are saturated

The antecedent rainfall necessary to trigger AMC I or III conditions is based upon the rate at which the soil storage is recovered following a rain event. Loss of soil moisture occurs as a result of several processes, one of which is evapotranspiration. Evapotranspiration increases during the “growing” season and decreases during the “dormant” season. For Florida, the growing season is commonly assumed to be from March-September, and the dormant season from October-February.

Recommended rainfall depths corresponding to the three antecedent moisture conditions (AMC) are summarized in Table 2-8 (USDA, 1986) for both dormant and growing season conditions. Antecedent moisture conditions are determined by evaluating the total cumulative rainfall in the 5-day period prior to a selected rainfall event. During dormant season conditions, occurring from October-February, a cumulative antecedent 5-day rainfall less than 0.5 inches would indicate a shift to antecedent moisture Condition I for the new rain event. During growing season conditions, this value increases to 1.4 inches. However, if the total antecedent 5-day rainfall exceeds 1.1 inches during dormant season conditions, an antecedent moisture Condition III is assigned to the next rain event. Under growing season conditions, this value increases to 2.1 inches. When performing continuous simulations, the NRCS recommends that the standard curve number value assumed for modeling purposes be modified to consider antecedent rainfall conditions.

**TABLE 2-8**

**RECOMMENDED SEASONAL RAINFALL DEPTHS FOR THE  
THREE ANTECEDENT MOISTURE CONDITIONS (AMC)**

| AMC | TOTAL ANTECEDENT 5-DAY RAINFALL (inches) |                                     |
|-----|------------------------------------------|-------------------------------------|
|     | DORMANT SEASON<br>(October-February)     | GROWING SEASON<br>(March-September) |
| I   | < 0.5                                    | < 1.4                               |
| II  | 0.5-1.1                                  | 1.4-2.1                             |
| III | > 1.1                                    | > 2.1                               |

The tabular curve number values presented in textbooks and handbooks generally reflect antecedent moisture Condition II. These values can be modified to reflect either antecedent moisture Condition I or III, based upon the antecedent cumulative 5-day rainfall using the relationships summarized in Table 2-9 (McCuen, 1982).

TABLE 2-9

**RECOMMENDED CURVE NUMBER ADJUSTMENTS  
BASED ON ANTECEDENT MOISTURE CONTENTS**

| CN FOR<br>CONDITION II | CORRESPONDING CN FOR CONDITION |     |
|------------------------|--------------------------------|-----|
|                        | I                              | III |
| 100                    | 100                            | 100 |
| 95                     | 87                             | 99  |
| 90                     | 78                             | 98  |
| 85                     | 70                             | 97  |
| 80                     | 63                             | 94  |
| 75                     | 57                             | 91  |
| 70                     | 51                             | 87  |
| 65                     | 45                             | 83  |
| 60                     | 40                             | 79  |
| 55                     | 35                             | 75  |
| 50                     | 31                             | 70  |
| 45                     | 27                             | 65  |
| 40                     | 23                             | 60  |
| 35                     | 19                             | 55  |
| 30                     | 15                             | 50  |
| 25                     | 12                             | 45  |
| 20                     | 9                              | 39  |
| 15                     | 7                              | 33  |
| 10                     | 4                              | 26  |
| 5                      | 2                              | 17  |
| 0                      | 0                              | 0   |

Mathematical expressions for these relationships have been developed by Chow, et al. (1988) as follows:

$$CN (I) = \frac{4.2 \text{ } CN (II)}{10 - 0.058 \text{ } CN (II)}$$

and

$$CN (III) = \frac{23 \text{ } CN (II)}{10 + 0.13 \text{ } CN (II)}$$

#### **2.1.3.4 Runoff Modeling Results**

Since the SWIL model is designed to calculate hydrologic and nutrient loadings on a monthly basis, individual mean monthly runoff coefficients were calculated for each of the three sites for use as input data into the SWIL model. Separate hydrologic modeling was conducted for each monthly period at each site using the record of individual rain events recorded during each monthly period which ranged from 5103-8024 events per site. Monthly rain events were input into the hydrologic model in a sequential order, beginning with the first monthly period of available data and continuing until the last month of available data. Runoff modeling was conducted for a wide variety of DCIA and non-DCIA curve numbers, with DCIA values ranging from 0-100%, in 5% increments, and for non-DCIA curve numbers ranging from 30-95, in 5 unit increments. This process resulted in an estimated monthly runoff coefficient for each of the three meteorological stations and each of the 294 different combinations of DCIA and non-DCIA curve numbers. The runoff coefficient ranges from 0-1 and represents the ratio of runoff depth to the precipitation depth. The rated C Value is calculated using the following equation:

$$C \text{ Value} = \frac{\text{Generated Runoff (depth or volume)}}{\text{Total Rainfall (depth or volume)}}$$

The calculated C value for each combination of DCIA and curve number reflects the average runoff/rainfall ratio for a given meteorological monitoring site for the period of record included in the modeling. The calculated runoff C value reflects anticipated runoff/rainfall relationships over an extended period of time (ranging from 47-63 years) for each site.

A summary of the results of this analysis is given in Appendix B.1 for the Daytona Beach Site, B.2 for the Melbourne site, and B.3 for the Vero Beach site. The modeled individual monthly runoff coefficients for each of the three meteorological stations and 273 combinations of DCIA and non-DCIA curve numbers were averaged together to generate the rainfall/runoff relationship used for hydrologic modeling of the IRL watershed in the SWIL model. A tabular summary of the combined rainfall/runoff relationships used in the SWIL model is given in Appendix B.4.

#### **2.1.4 Land Use Characteristics**

Information on land use characteristics within the IRL watershed was obtained from 2000 and 2004 land use data developed by SJRWMD. The land use data were obtained as Level III Florida Land Use Codes and Classification System (FLUCCS) codes and contained more than 180 individual land use categories. The primary objective of the SWIL model is to develop estimates of nutrient loadings discharging from the IRL watershed into the IRL, and in order to estimate runoff generated nutrient loadings, event mean concentrations (emc) must be known for each identified land use category. Unfortunately, runoff characterization data are not available for each of the land use categories identified under the Level III FLUCCS classification.

ERD reviewed each of the land use categories identified in the Level III FLUCCS codes within the IRL watershed, and each of the Level III codes was assigned to a general land use category for which runoff characterization are available based upon anticipated similarities in runoff characteristics between the Level III codes and the general land use category. A tabular summary of the land use conversion table developed by ERD is given on Table 2-10. This table was used to convert the Level III FLUCCS land use codes into one of the 27 listed general land use categories for which emc data are currently available.

### **2.1.5 Hydrologic Characteristics**

After developing the general consolidated land use categories to be used for modeling within the IRL watershed, ERD developed typical hydrologic characteristics for each of the consolidated land use categories. Estimates of basin-specific impervious areas were conducted for the four most significant land use categories in the IRL which include medium-density residential (38.3% of developed land use), low-density residential (22.6% of developed land use), high-density residential (9.3% of developed land use), and institutional (10.1% of developed land use). Combined together, these categories occupy 80.4% of the developed land use in the IRL basin. Impervious percentages for the remaining land use categories were estimated using typical values for the developed areas. Random polygons were sampled within each of the evaluated land use categories to quantify typical hydrologic characteristics, such as the percent of impervious area and directly connected impervious area (DCIA).

Impervious areas were delineated by evaluating polygons in the SJRWMD 2004 land use layer for each of the three residential categories and dividing them into quartiles which was done to limit potential bias due to polygon size. For instance, there are 532 medium-density polygons in the SJRWMD Brevard County land use that range from less than 1 acre to 5,723 acres. Twenty-five percent (25%) of the medium-density polygons are less than 145 acres, 50% are less than 429 acres, 75% are less than 1,092 acres, and the remaining 25% is contained in seven polygons greater than 1,092 acres. For each land use, three polygons were selected from approximately the midpoint of each quartile, 12 for each land use. The polygons were identified by their OBJECTID number in the land use layer. Overall, a total of 12 polygons were evaluated for each of the three residential land use categories for a total of 36 polygons.

For polygons less than approximately 80 acres in size, the impervious area for the entire polygon was measured. For polygons greater than 80 acres, a 1-acre grid was overlaid on top of the selected polygons. A random sample of 10-20% of the 1-acre grid plots was selected for impervious area delineations. Only grid plots which were completely contained within the polygons were used.

Impervious areas were delineated by sketching the impervious area using 2009 ortho-quadrant aerials. Sidewalks, roadways, driveways, and rooftops were considered 100% impervious. Where possible, swimming pool decks were delineated and considered 100% impervious. When not clearly visible, swimming pool areas were visually divided in half since water falling on the pool itself stays in the pool, but decks usually slope away from the pool.

TABLE 2-10

**SUMMARY OF THE LEVEL III  
FLUCCS CODE ASSIGNMENTS TO GENERAL /  
CONSOLIDATED LAND USE CATEGORIES**

| FLUCCS CODE | LAND USE DESCRIPTION                                                                  | GENERAL/<br>CONSOLIDATED<br>LAND USE | CONSOLIDATED<br>LAND USE<br>I.D. NUMBER |
|-------------|---------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|
| 2300        | Feeding Operations                                                                    | Agriculture                          | 1                                       |
| 2310        | Cattle Feeding Operations                                                             | Agriculture                          | 1                                       |
| 2320        | Poultry feeding operations                                                            | Agriculture                          | 1                                       |
| 2340        | Other feeding operations                                                              | Agriculture                          | 1                                       |
| 2400        | Nurseries and Vineyards                                                               | Agriculture                          | 1                                       |
| 2410        | Tree nurseries                                                                        | Agriculture                          | 1                                       |
| 2420        | Sod farms                                                                             | Agriculture                          | 1                                       |
| 2430        | Ornamentals                                                                           | Agriculture                          | 1                                       |
| 2431        | Shade ferns                                                                           | Agriculture                          | 1                                       |
| 2432        | Hammock ferns                                                                         | Agriculture                          | 1                                       |
| 2450        | Floriculture                                                                          | Agriculture                          | 1                                       |
| 2500        | Specialty Farms                                                                       | Agriculture                          | 1                                       |
| 2510        | Horse Farms                                                                           | Agriculture                          | 1                                       |
| 2520        | Dairies                                                                               | Agriculture                          | 1                                       |
| 2590        | Other Specialty Farms                                                                 | Agriculture                          | 1                                       |
| 2200        | Tree Crops                                                                            | Citrus                               | 2                                       |
| 2210        | Citrus groves                                                                         | Citrus                               | 2                                       |
| 2220        | Fruit Orchards                                                                        | Citrus                               | 2                                       |
| 1400        | Commercial and Services                                                               | Commercial                           | 3                                       |
| 1410        | Retail Sales and Services                                                             | Commercial                           | 3                                       |
| 1420        | Wholesale Sales and Services <Excluding warehouses associated with industrial use>    | Commercial                           | 3                                       |
| 1430        | Professional Services                                                                 | Commercial                           | 3                                       |
| 1440        | Cultural and Entertainment                                                            | Commercial                           | 3                                       |
| 1450        | Tourist Services                                                                      | Commercial                           | 3                                       |
| 1470        | Mixed Commercial and Services                                                         | Commercial                           | 3                                       |
| 1490        | Commercial and Services Under Construction                                            | Commercial                           | 3                                       |
| 8130        | Bus and truck terminals                                                               | Commercial                           | 3                                       |
| 8150        | Port facilities                                                                       | Commercial                           | 3                                       |
| 8160        | Canals and Locks                                                                      | Commercial                           | 3                                       |
| 8180        | Auto parking facilities - when not directly related to other land uses                | Commercial                           | 3                                       |
| 3100        | Herbaceous Dry Prairie                                                                | Dry Prairie                          | 4                                       |
| 3210        | Palmetto Prairies                                                                     | Dry Prairie                          | 4                                       |
| 3211        | Palmetto-Oak Shrubland                                                                | Dry Prairie                          | 4                                       |
| 3212        | Dry Prairie                                                                           | Dry Prairie                          | 4                                       |
| 3220        | Coastal Strand                                                                        | Dry Prairie                          | 4                                       |
| 3300        | Mixed Rangeland                                                                       | Dry Prairie                          | 4                                       |
| 1300        | Residential, High-Density                                                             | High-Density Residential             | 5                                       |
| 1310        | Fixed Single Family Units                                                             | High-Density Residential             | 5                                       |
| 1330        | Residential, High-Density; Multiple Dwelling Units, Low Rise <Two stories or less>    | High-Density Residential             | 5                                       |
| 1340        | Residential, High-Density; Multiple Dwelling Units, High Rise <Three stories or more> | High-Density Residential             | 5                                       |
| 1350        | Residential, High-Density; Mixed Units <Fixed and mobile Homes>                       | High-Density Residential             | 5                                       |
| 1390        | High-Density Under Construction                                                       | High-Density Residential             | 5                                       |
| 6181        | Cabbage palm hammock                                                                  | Wet Flatwoods                        | 6                                       |
| 6182        | Cabbage palm savannah                                                                 | Wet Flatwoods                        | 6                                       |
| 1460        | Oil and Gas Storage(except industrial use or manufacturing)                           | Industrial                           | 7                                       |
| 1500        | Industrial Under Construction                                                         | Industrial                           | 7                                       |
| 1510        | Food Processing                                                                       | Industrial                           | 7                                       |
| 1520        | Timber Processing                                                                     | Industrial                           | 7                                       |
| 1530        | Mineral Processing                                                                    | Industrial                           | 7                                       |
| 1540        | Oil and Gas Processing                                                                | Industrial                           | 7                                       |
| 1550        | Other Light Industrial                                                                | Industrial                           | 7                                       |
| 1560        | Other Heavy Industrial                                                                | Industrial                           | 7                                       |
| 1561        | Ship Building and Repair                                                              | Industrial                           | 7                                       |
| 1562        | Pre-stressed concrete plants                                                          | Industrial                           | 7                                       |
| 1590        | Industrial Under Construction                                                         | Industrial                           | 7                                       |
| 2540        | Aquaculture                                                                           | Industrial                           | 7                                       |
| 8200        | Communications                                                                        | Industrial                           | 7                                       |
| 8220        | Communication Facilities                                                              | Industrial                           | 7                                       |
| 8300        | Utilities                                                                             | Industrial                           | 7                                       |
| 8310        | Electrical power facilities                                                           | Industrial                           | 7                                       |
| 8330        | Water supply plants                                                                   | Industrial                           | 7                                       |
| 8340        | Sewage Treatment                                                                      | Industrial                           | 7                                       |
| 8350        | Solid waste disposal                                                                  | Industrial                           | 7                                       |
| 8360        | Other treatment ponds                                                                 | Industrial                           | 7                                       |
| 8390        | Utilities under construction                                                          | Industrial                           | 7                                       |

TABLE 2-10 -- CONTINUED

**SUMMARY OF THE LEVEL III  
FLUCCS CODE ASSIGNMENTS TO GENERAL /  
CONSOLIDATED LAND USE CATEGORIES**

| FLUCCS CODE | LAND USE DESCRIPTION                                                      | GENERAL/<br>CONSOLIDATED<br>LAND USE | CONSOLIDATED<br>LAND USE<br>I.D. NUMBER |
|-------------|---------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|
| 1700        | Institutional (Educational, religious, health and military facilities)    | Institutional                        | 8                                       |
| 1710        | Educational Facilities                                                    | Institutional                        | 8                                       |
| 1720        | Religious                                                                 | Institutional                        | 8                                       |
| 1730        | Military                                                                  | Institutional                        | 8                                       |
| 1740        | Medical and Health Care                                                   | Institutional                        | 8                                       |
| 1750        | Governmental                                                              | Institutional                        | 8                                       |
| 1770        | Other Institutional                                                       | Institutional                        | 8                                       |
| 1780        | Commercial Child Care                                                     | Institutional                        | 8                                       |
| 1790        | Institutional Under Construction                                          | Institutional                        | 8                                       |
| 8110        | Airports                                                                  | Institutional                        | 8                                       |
| 1100        | Residential, Low-Density-Less than two dwelling units/acre                | Low-Density Residential              | 9                                       |
| 1110        | Fixed Single Family Units                                                 | Low-Density Residential              | 9                                       |
| 1180        | Residential, Rural < or = 0.5 dwelling units/acre                         | Low-Density Residential              | 9                                       |
| 1190        | Low-Density Under Construction                                            | Low-Density Residential              | 9                                       |
| 1200        | Residential, Medium-Density (Two-five dwelling units per acre)            | Medium-Density Residential           | 10                                      |
| 1210        | Fixed Single Family Units                                                 | Medium-Density Residential           | 10                                      |
| 1290        | Medium-Density Under Construction                                         | Medium-Density Residential           | 10                                      |
| 6250        | Hydric pine flatwoods                                                     | Wet Flatwoods                        | 11                                      |
| 1600        | Extractive                                                                | Mining                               | 12                                      |
| 1610        | Strip Mines                                                               | Mining                               | 12                                      |
| 1611        | Clays                                                                     | Mining                               | 12                                      |
| 1620        | Sand and Gravel Pits                                                      | Mining                               | 12                                      |
| 1632        | Limerock or dolomite quarries                                             | Mining                               | 12                                      |
| 1633        | Phosphate quarries                                                        | Mining                               | 12                                      |
| 1650        | Reclaimed Land                                                            | Mining                               | 12                                      |
| 1660        | Holding Ponds                                                             | Mining                               | 12                                      |
| 1320        | Mobile Home Units                                                         | High-Density Residential             | 5                                       |
| 1810        | Swimming Beach                                                            | Open                                 | 13                                      |
| 1900        | Open Land                                                                 | Open                                 | 13                                      |
| 1920        | Inactive Land with street patterns but without structures                 | Open                                 | 13                                      |
| 2600        | Other Open Lands - Rural                                                  | Open                                 | 13                                      |
| 2610        | Fallow cropland                                                           | Open                                 | 13                                      |
| 7100        | Beaches other than swimming beaches                                       | Open                                 | 13                                      |
| 7200        | Sand other than beaches                                                   | Open                                 | 13                                      |
| 7340        | Exposed rocks                                                             | Open                                 | 13                                      |
| 7400        | Disturbed land                                                            | Open                                 | 13                                      |
| 7410        | Rural land in transition without positive indicators of intended activity | Open                                 | 13                                      |
| 7430        | Spoil areas                                                               | Open                                 | 13                                      |
| 8120        | Railroads                                                                 | Open                                 | 13                                      |
| 8320        | Electrical power transmission lines                                       | Open                                 | 13                                      |
| 9999        | (blank)                                                                   | Open                                 | 13                                      |
| 2110        | Improved Pasture                                                          | Pasture                              | 14                                      |
| 2120        | Unimproved Pastures                                                       | Pasture                              | 14                                      |
| 2130        | Woodland Pasture                                                          | Pasture                              | 14                                      |
| 1480        | Cemeteries                                                                | Recreational 1                       | 15                                      |
| 1800        | Recreational                                                              | Recreational 1                       | 15                                      |
| 1820        | Golf Course                                                               | Recreational 1                       | 15                                      |
| 1840        | Marinas and Fish Camps                                                    | Recreational 1                       | 15                                      |
| 8115        | Grass Airports                                                            | Recreational 1                       | 15                                      |
| 1830        | Race Tracks(horse, dog, car, motorcycle)                                  | Recreational 2                       | 16                                      |
| 1850        | Parks and Zoos                                                            | Recreational 2                       | 16                                      |
| 1860        | Community Recreational Facilities                                         | Recreational 2                       | 16                                      |
| 1870        | Stadiums (not associated with high schools, colleges, or universities)    | Recreational 2                       | 16                                      |
| 1890        | Other Recreational(Riding stables, go-cart tracks, skeet ranges, etc)     | Recreational 2                       | 16                                      |
| 2140        | Row Crops                                                                 | Row Crops                            | 17                                      |
| 2150        | Field Crops                                                               | Row Crops                            | 17                                      |
| 2160        | Mixed Crops                                                               | Row Crops                            | 17                                      |
| 2240        | Abandoned tree crops                                                      | Ruderal                              | 18                                      |
| 4220        | Brazilian Pepper                                                          | Ruderal                              | 18                                      |
| 4430        | Forest regeneration                                                       | Ruderal                              | 18                                      |
| 3200        | Shrub and Brushland                                                       | Scrub                                | 19                                      |
| 4130        | Sand pine                                                                 | Scrub                                | 19                                      |
| 8100        | Transportation                                                            | Transportation                       | 20                                      |
| 8140        | Roads and Highways                                                        | Transportation                       | 20                                      |
| 8191        | Highways                                                                  | Transportation                       | 20                                      |

TABLE 2-10 -- CONTINUED

**SUMMARY OF THE LEVEL III  
FLUCCS CODE ASSIGNMENTS TO GENERAL /  
CONSOLIDATED LAND USE CATEGORIES**

| FLUCCS CODE | LAND USE DESCRIPTION                             | GENERAL/<br>CONSOLIDATED<br>LAND USE | CONSOLIDATED<br>LAND USE<br>I.D. NUMBER |
|-------------|--------------------------------------------------|--------------------------------------|-----------------------------------------|
| 4111        | Mesic longleaf pine flatwoods                    | Mesic Flatwoods                      | 21                                      |
| 4112        | Scrubby Pine flatwoods                           | Scrubby Flatwoods                    | 21                                      |
| 4200        | Upland Hardwood Forest                           | Upland Hardwoods                     | 21                                      |
| 4340        | Hardwood Conifer Mixed                           | Upland Hardwoods                     | 21                                      |
| 4120        | Longleaf pine - xeric oak                        | Upland Pine                          | 22                                      |
| 4140        | Upland Mixed Forest                              | Upland Mixed                         | 22                                      |
| 4270        | Maritime Hammock                                 | Upland Mixed                         | 22                                      |
| 4271        | Coastal Temperate Hammock                        | Upland Mixed                         | 22                                      |
| 4272        | Prairie Hammock                                  | Wet Prairie                          | 22                                      |
| 4275        | Red Cedar- Cabbage Palm Hammock                  | Upland Mixed                         | 22                                      |
| 4300        | Upland Hardwood Forests Continued                | Upland Hardwoods                     | 22                                      |
| 4400        | Tree Plantations                                 | Ruderal/Upland Pine                  | 22                                      |
| 5474        | Spoil islands/coastal islands                    | Upland Mixed                         | 22                                      |
| 5100        | Streams and waterways                            | Water                                | 23                                      |
| 5120        | Channelized waterways, canals                    | Water                                | 23                                      |
| 5200        | Lakes                                            | Water                                | 23                                      |
| 5201        | Pond                                             | Water                                | 23                                      |
| 5250        | Marshy Lakes                                     | Water                                | 23                                      |
| 5300        | Reservoirs                                       | Water                                | 23                                      |
| 5330        | Reservoirs larger >10 <100 acres                 | water                                | 23                                      |
| 5400        | Bays and estuaries                               | Water                                | 23                                      |
| 5410        | Embayments opening directly to the Gulf or Ocean | Water                                | 23                                      |
| 5430        | Enclosed saltwater ponds within a salt marsh     | Water                                | 23                                      |
| 5500        | Major Springs                                    | Water                                | 23                                      |
| 5600        | Slough Waters                                    | water                                | 23                                      |
| 5710        | Atlantic Ocean                                   | Water                                | 23                                      |
| 7420        | Borrow areas                                     | Water                                | 23                                      |
| 8370        | Surface Water Collection Basin                   | Water                                | 23                                      |
| 4110        | Pine flatwoods                                   | Wet Flatwoods                        | 24                                      |
| 4113        | Hydric pine flatwoods                            | Wet Flatwoods                        | 24                                      |
| 4260        | Tropical Hardwood Hammock                        | Upland Hardwoods                     | 24                                      |
| 4280        | Cabbage palm                                     | Wet Flatwoods                        | 24                                      |
| 6172        | Mixed Shrubs                                     | Wet Flatwoods                        | 25                                      |
| 6430        | Wet prairies                                     | Wet Prairies                         | 25                                      |
| 6110        | Bay swamps                                       | Wetland                              | 26                                      |
| 6120        | Mangrove swamp                                   | Wetland                              | 26                                      |
| 6150        | Lowland Hardwood Forest/Swamp                    | Wetland                              | 26                                      |
| 6151        | Willow Swamp                                     | Wetland                              | 26                                      |
| 6152        | Red Maple Swamp                                  | Wetland                              | 26                                      |
| 6153        | Shrub Swamp                                      | Wetland                              | 26                                      |
| 6170        | Mixed wetland hardwoods                          | Wetland                              | 26                                      |
| 6210        | Cypress                                          | Wetland                              | 26                                      |
| 6220        | Pond pine                                        | Wet Flatwoods                        | 26                                      |
| 6300        | Wetland Forested Mixed                           | Wet Flatwoods                        | 26                                      |
| 6400        | Freshwater marshes                               | Wetland                              | 26                                      |
| 6410        | Freshwater marshes                               | Wetland                              | 26                                      |
| 6411        | Sawgrass marsh                                   | Wetland                              | 26                                      |
| 6412        | Cattail marsh                                    | Wetland                              | 26                                      |
| 6414        | Graminoid marsh                                  | Wetland                              | 26                                      |
| 6416        | Flag marsh                                       | Wetland                              | 26                                      |
| 6420        | Saltwater marshes                                | Wetland                              | 26                                      |
| 6423        | Low salt marsh                                   | Wetland                              | 26                                      |
| 6424        | High salt marsh                                  | Wetland                              | 26                                      |
| 6440        | Emergent aquatic vegetation                      | Wetland                              | 26                                      |
| 6460        | Mixed scrub-shrub wetland                        | Wetland                              | 26                                      |
| 6500        | Non-vegetated Wetland                            | Wetland                              | 26                                      |
| 6510        | Tidal creek                                      | Wetland                              | 26                                      |
| 6200        | Wetland Coniferous Forest                        | Wet Flatwoods                        | 26                                      |
| 4210        | Xeric oak                                        | Xeric Hammock                        | 27                                      |
| 4321        | Xeric Oak Scrub                                  | Xeric Hammock                        | 27                                      |
| 4322        | Xeric Hammock                                    | Xeric Hammock                        | 27                                      |
| 4370        | Australian pine                                  | Xeric Hammock                        | 27                                      |
| 4410        | Coniferous pine                                  | Upland Pine                          | 27                                      |

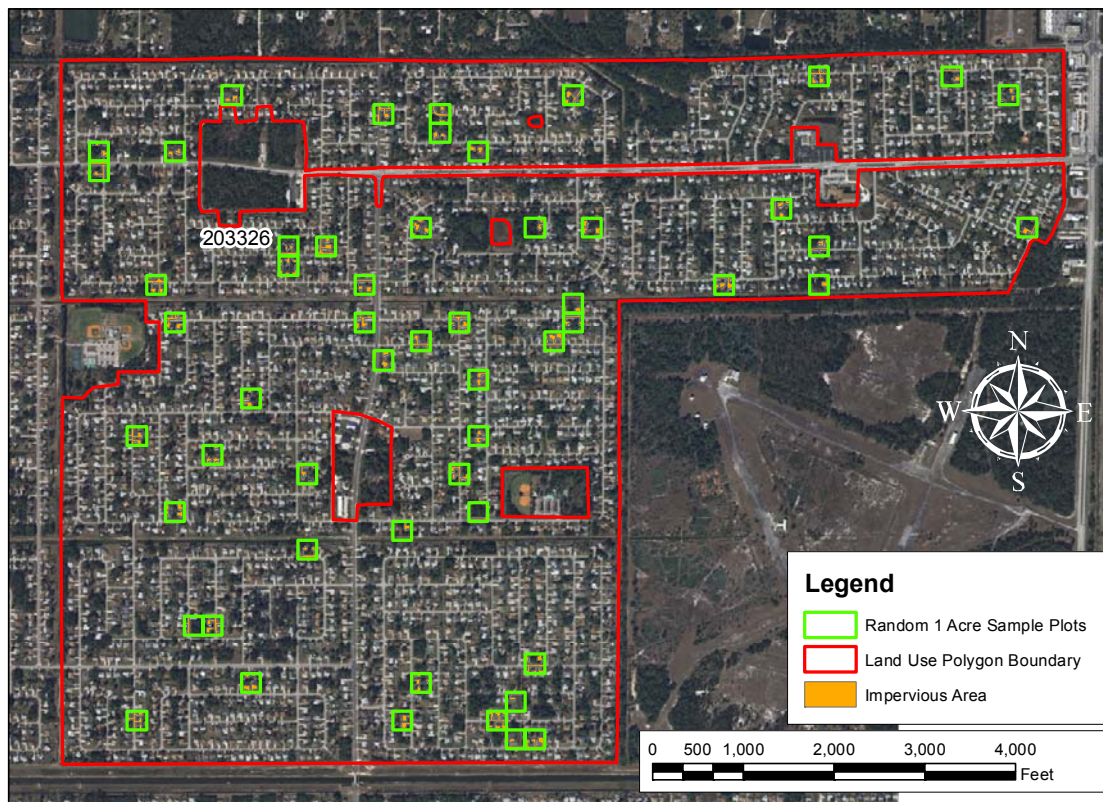


Photographs of the sample medium-density polygons used to define hydrologic characteristics are given on Figure 2-12. A high degree of variability is apparent in areas assigned to the medium-density residential category which are reflected on the polygons indicated on Figure 2-12. The percentage of impervious area and DCIA percentage were identified for each polygon and used to estimate general hydrologic characteristics for medium-density residential land use. A summary of delineated impervious areas for the medium-density residential test plots is given in Table 2-11. The medium-density residential plots were characterized by impervious percentages ranging from 24.7-50.8%, with a mean of 37.3%, approximately half of which is DCIA. Therefore, for modeling purposes, medium-density residential areas are assumed to be 40% impervious with a DCIA of 20%.

**TABLE 2-11**  
**SUMMARY OF DELINEATED IMPERVIOUS**  
**AREAS FOR THE MEDIUM-DENSITY TEST PLOTS**

| <b>OBS</b>   | <b>LUCODE</b> | <b>OBJECTID</b> | <b>AREA<br/>(acres)</b> | <b>PERCENT<br/>IMPERVIOUS<br/>(%)</b> |
|--------------|---------------|-----------------|-------------------------|---------------------------------------|
| 1            | 1200          | 222594          | 76                      | 50.8                                  |
| 2            | 1200          | 238489          | 80                      | 49.2                                  |
| 3            | 1200          | 114359          | 82                      | 40.6                                  |
| 4            | 1200          | 97211           | 310                     | 32.4                                  |
| 5            | 1200          | 80754           | 320                     | 38.7                                  |
| 6            | 1200          | 215239          | 341                     | 37.3                                  |
| 7            | 1200          | 350840          | 725                     | 31.4                                  |
| 8            | 1200          | 129733          | 746                     | 24.7                                  |
| 9            | 1200          | 125092          | 837                     | 41.0                                  |
| 10           | 1200          | 78011           | 1,257                   | 45.2                                  |
| 11           | 1200          | 203326          | 1,279                   | 26.7                                  |
| 12           | 1200          | 177149          | 2,408                   | 29.8                                  |
| <b>MEAN:</b> |               |                 |                         | <b>37.3</b>                           |

Examples of sample high-density residential polygons used to define hydrologic characteristics are given on Figure 2-13. A relatively high degree of variability is also apparent in high-density residential areas throughout the IRL watershed. Percentage impervious area and DCIA percentage were calculated for each of the high-density polygons and used to generate estimates of basin-wide hydrologic characteristics. A summary of delineated impervious areas for the high-density residential test plots is given in Table 2-12. Impervious percentages for the high-density residential plots ranged from 38.9-61.3%, with a mean impervious percentage of 49.5%, approximately 60% of which is DCIA. Therefore, for modeling purposes, high-density residential areas are assumed to be 50% impervious with a DCIA of 30%.



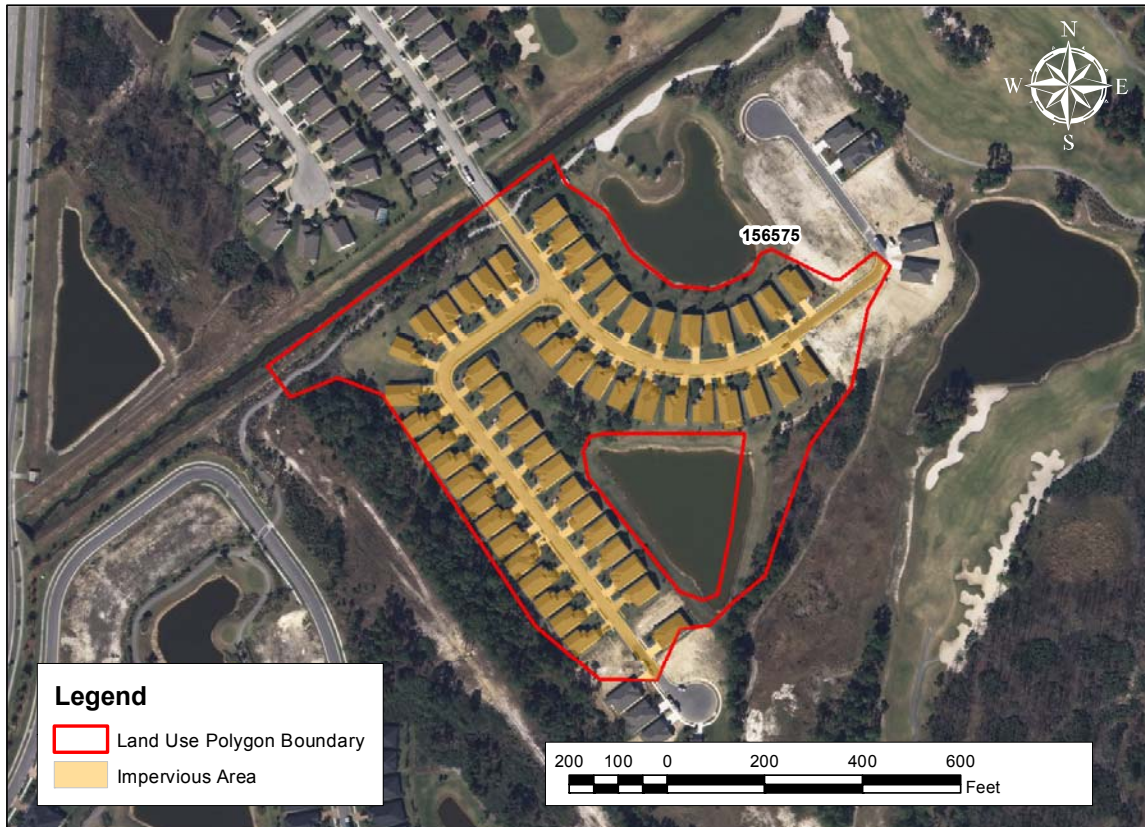
Polygon 203326



Polygon 80754

Figure 2-12. Sample Medium-Density Residential Polygons Used to Define Hydrologic Characteristics.





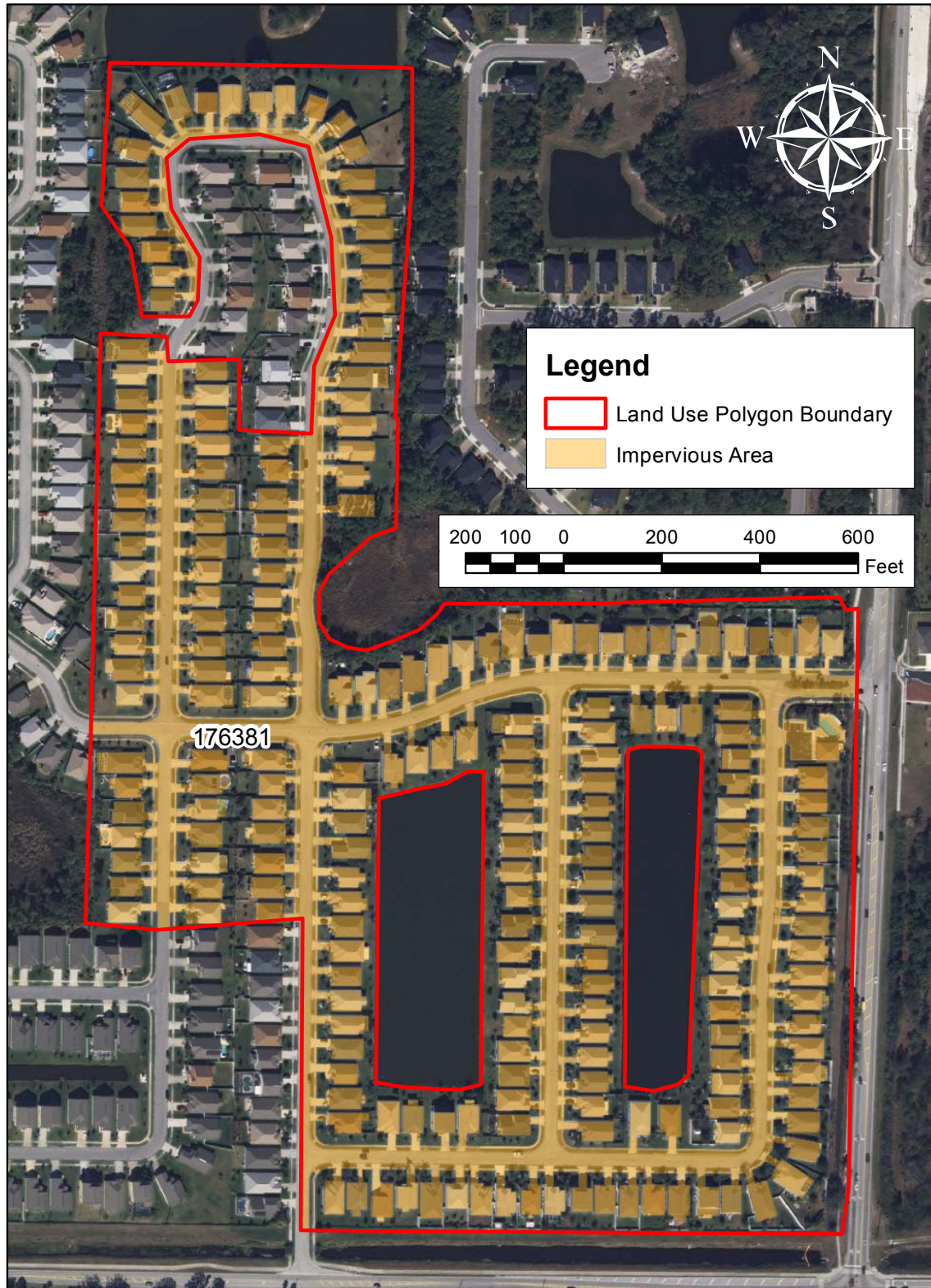
Polygon 156575



Polygon 268725

Figure 2-13. Sample High-Density Residential Polygons Used to Define Hydrologic Characteristics.





Polygon 176381

Figure 2-13 (Continued). Sample High-Density Residential Polygons Used to Define Hydrologic Characteristics.

**TABLE 2-12**

**SUMMARY OF DELINEATED IMPERVIOUS  
AREAS FOR THE HIGH-DENSITY TEST PLOTS**

| <b>OBS</b>   | <b>LUCODE</b> | <b>OBJECTID</b> | <b>AREA<br/>(acres)</b> | <b>PERCENT<br/>IMPERVIOUS<br/>(%)</b> |
|--------------|---------------|-----------------|-------------------------|---------------------------------------|
| 1            | 1300          | 156575          | 14                      | 42.3                                  |
| 2            | 1300          | 314659          | 14                      | 49.2                                  |
| 3            | 1300          | 174823          | 14                      | 58.2                                  |
| 4            | 1300          | 256518          | 41                      | 60.3                                  |
| 5            | 1300          | 268725          | 43                      | 44.5                                  |
| 6            | 1300          | 55853           | 44                      | 61.3                                  |
| 7            | 1300          | 176381          | 45                      | 56.3                                  |
| 8            | 1390          | 323218          | 103                     | 49.2                                  |
| 9            | 1300          | 248114          | 110                     | 45.5                                  |
| 10           | 1300          | 89789           | 111                     | 47.0                                  |
| 11           | 1300          | 338198          | 215                     | 41.7                                  |
| 12           | 1300          | 159582          | 557                     | 38.9                                  |
| <b>MEAN:</b> |               |                 |                         | <b>49.5</b>                           |

Examples of low-density residential polygons used to define hydrologic characteristics for the IRL basin are given on Figure 2-14. As seen with medium- and high-density land use categories, a high degree of variability is apparent in low-density land use areas. The percentage of impervious area and DCIA percentage were calculated for each of the low-density polygons and used to estimate hydrologic characteristics for this land use. A summary of delineated impervious areas for the low-density residential polygons is given in Table 2-13. Impervious percentages for the low-density residential test plots ranged from 4.4-24.2%, with a mean of 12.9%, with very little of the impervious area considered to be DCIA. Therefore, for modeling purposes, low-density residential areas are assumed to be 15% impervious with 0% DCIA.

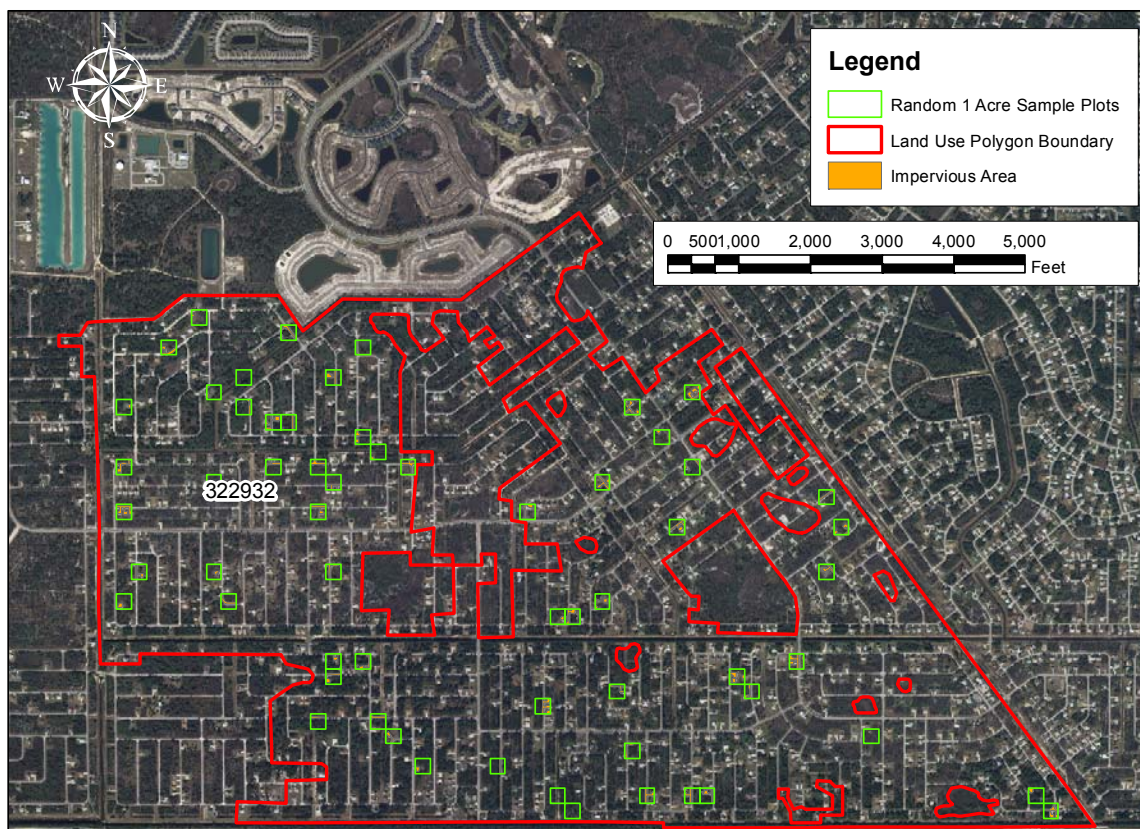
Typical literature-based values were used for all of the remaining land use categories in the IRL watershed, with the exception of institutional land use. Institutional land use is typically considered to be approximately 30-40% impervious. However, in the IRL watershed, Kennedy Space Center comprises approximately 40% of the institutional land and is characterized by a substantially lower imperviousness than typical institutional land uses such as churches and schools. As a result, the impervious percentage for institutional areas was reduced to 20%, approximately 50% of which is DCIA.



**TABLE 2-13**

**SUMMARY OF DELINEATED IMPERVIOUS  
AREAS FOR THE LOW-DENSITY TEST PLOTS**

| OBS          | LUCODE | OBJECTID | AREA<br>(acres) | PERCENT<br>IMPERVIOUS<br>(%) |
|--------------|--------|----------|-----------------|------------------------------|
| 1            | 1100   | 339135   | 18              | 24.2                         |
| 2            | 1180   | 11048    | 18              | 19.1                         |
| 3            | 1100   | 214694   | 19              | 13.1                         |
| 4            | 1100   | 136157   | 70              | 18.0                         |
| 5            | 1180   | 140555   | 70              | 5.2                          |
| 6            | 1100   | 348001   | 71              | 16.6                         |
| 7            | 1100   | 191157   | 294             | 9.1                          |
| 8            | 1180   | 26357    | 309             | 6.8                          |
| 9            | 1100   | 159231   | 399             | 11.2                         |
| 10           | 1180   | 33223    | 759             | 4.4                          |
| 11           | 1100   | 30147    | 962             | 13.3                         |
| 12           | 1100   | 322932   | 1,480           | 14.3                         |
| <b>MEAN:</b> |        |          |                 | <b>12.9</b>                  |



Polygon 322932

Figure 2-14. Sample Low-Density Residential Polygons Used to Define Hydrologic Characteristics.

A tabular summary of assigned hydrologic characteristics for the consolidated general land use categories is given on Table 2-14. The land use area for each of the consolidated land use categories is provided, along with the estimated percent impervious for each land use category, based upon the test plot verification procedure conducted by ERD (described previously). Estimates are also provided for the percentage of DCIA in each land use category. The information summarized on Table 2-14 is used to calculate the non-DCIA curve number, based upon curve number values for pervious areas in each land use category using the assigned HSG soil grouping, which is combined with the DCIA value and used for estimation of monthly and annual runoff C values. This information is used as input into the SWIL model and forms the basis of the runoff generation process.

**TABLE 2-14**

**SUMMARY OF ASSIGNED HYDROLOGIC CHARACTERISTICS  
FOR THE CONSOLIDATED GENERAL LAND USE CATEGORIES**

| <b>LAND USE</b>            | <b>AREA<br/>(acres)</b> | <b>PERCENT<br/>IMPERVIOUS<br/>(%)</b> | <b>PERCENT<br/>DCIA<br/>(%)</b> |
|----------------------------|-------------------------|---------------------------------------|---------------------------------|
| Agriculture                | 1,361                   | 5                                     | 0                               |
| Citrus                     | 30,305                  | 0                                     | 0                               |
| Commercial                 | 11,560                  | 80                                    | 60                              |
| Dry Prairie                | 18,038                  | 0                                     | 0                               |
| High-Density Residential   | 14,543                  | 50                                    | 30                              |
| Hydric Hammock             | 6,121                   | 0                                     | 0                               |
| Industrial                 | 4,728                   | 30                                    | 10                              |
| Institutional              | 15,668                  | 20                                    | 10                              |
| Low-Density Residential    | 22,673                  | 15                                    | 0                               |
| Medium-Density Residential | 47,106                  | 40                                    | 20                              |
| Mesic Flatwoods            | 1,275                   | 0                                     | 0                               |
| Mining                     | 594                     | 0                                     | 0                               |
| Open                       | 11,603                  | 0                                     | 0                               |
| Pasture                    | 25,711                  | 0                                     | 0                               |
| Golf Course                | 5,566                   | 5                                     | 0                               |
| Recreational               | 2,268                   | 20                                    | 10                              |
| Row Crops                  | 501                     | 0                                     | 0                               |
| Ruderal                    | 1,321                   | 0                                     | 0                               |
| Scrub                      | 36,697                  | 0                                     | 0                               |
| Transportation             | 5,552                   | 50                                    | 30                              |
| Upland Flatwoods           | 22,838                  | 0                                     | 0                               |
| Upland Mixed               | 131                     | 0                                     | 0                               |
| Water                      | 16,921                  | 100                                   | 100                             |
| Wet Flatwoods              | 23,243                  | 0                                     | 0                               |
| Wet Prairies               | 6,407                   | 0                                     | 0                               |
| Wetland                    | 89,572                  | 0                                     | 0                               |
| Xeric Hammock              | 7,795                   | 0                                     | 0                               |
| <b>TOTAL:</b>              | <b>430,096</b>          | <b>10.9</b>                           | <b>5.7</b>                      |

A tabular summary of pervious area CN values for the consolidated land use categories is given on Table 2-15. Curve number values are provided for each of the hydrologic soil groups identified within the IRL watershed using the TR-55 guidance document. The information summarized in Table 2-15 is combined with the hydrologic data summarized in Table 2-14 to generate non-DCIA curve numbers and estimated annual and monthly runoff coefficients.

**TABLE 2-15**  
**PERVIOUS AREA CN VALUES FOR THE**  
**CONSOLIDATED LAND USE CATEGORIES**

| LAND USE                   | HYDROLOGIC SOIL GROUP |     |    |     |    |     |    |    | TR-55 COVER TYPE<br>AND CONDITION |
|----------------------------|-----------------------|-----|----|-----|----|-----|----|----|-----------------------------------|
|                            | A                     | A/D | B  | B/D | C  | C/D | D  | W  |                                   |
| Commercial                 | 39                    | 39  | 61 | 61  | 74 | 74  | 80 | 98 | Lawns, Good Condition             |
| Low-Density Residential    | 39                    | 39  | 61 | 61  | 74 | 74  | 80 | 98 | Lawns, Good Condition             |
| Medium-Density Residential | 39                    | 39  | 61 | 61  | 74 | 74  | 80 | 98 | Lawns, Good Condition             |
| High-Density Residential   | 39                    | 39  | 61 | 61  | 74 | 74  | 80 | 98 | Lawns, Good Condition             |
| Institutional              | 39                    | 39  | 61 | 61  | 74 | 74  | 80 | 98 | Lawns, Good Condition             |
| Industrial                 | 39                    | 39  | 61 | 61  | 74 | 74  | 80 | 98 | Lawns, Good Condition             |
| Transportation             | 39                    | 39  | 61 | 61  | 74 | 74  | 80 | 98 | Lawns, Good Condition             |
| Golf Course                | 39                    | 80  | 61 | 80  | 74 | 80  | 80 | 98 | Lawns, Good Condition             |
| Recreational 2             | 39                    | 80  | 61 | 80  | 74 | 80  | 80 | 98 | Lawns, Good Condition             |
| Open                       | 39                    | 80  | 61 | 80  | 74 | 80  | 80 | 98 | Lawns, Good Condition             |
| Pasture                    | 39                    | 80  | 61 | 80  | 74 | 80  | 80 | 98 | Grassland, Good Condition         |
| Mining                     | 39                    | 80  | 61 | 80  | 74 | 80  | 80 | 98 | Grassland, Good Condition         |
| Agriculture                | 39                    | 80  | 61 | 80  | 74 | 80  | 80 | 98 | Grassland, Good Condition         |
| Ruderal                    | 45                    | 83  | 66 | 83  | 77 | 83  | 83 | 98 | Woods, Poor Condition             |
| Citrus                     | 32                    | 79  | 58 | 79  | 72 | 79  | 79 | 98 | Woods (Orchard), Good Condition   |
| Row Crops                  | 67                    | 89  | 78 | 89  | 85 | 89  | 89 | 98 | Row Crops, Good Condition         |
| Dry Prairie                | 30                    | 73  | 48 | 73  | 65 | 73  | 73 | 98 | Brush, Good Condition             |
| Wet Prairies               | 30                    | 73  | 48 | 73  | 65 | 73  | 73 | 98 | Brush, Good Condition             |
| Scrub                      | 30                    | 73  | 48 | 73  | 65 | 73  | 73 | 98 | Brush, Good Condition             |
| Mesic Flatwoods            | 30                    | 77  | 55 | 77  | 70 | 77  | 77 | 98 | Woods, Good Condition             |
| Hydric Hammock             | 30                    | 77  | 70 | 77  | 70 | 77  | 77 | 98 | Woods, Good Condition             |
| Upland Flatwoods           | 30                    | 77  | 55 | 77  | 70 | 77  | 77 | 98 | Woods, Good Condition             |
| Upland Mixed               | 30                    | 77  | 55 | 77  | 70 | 77  | 77 | 98 | Woods, Good Condition             |
| Wet Flatwoods              | 30                    | 77  | 55 | 77  | 70 | 77  | 77 | 98 | Woods, Good Condition             |
| Wetland                    | 30                    | 77  | 55 | 77  | 70 | 77  | 77 | 98 | Woods, Good Condition             |
| Xeric Hammock              | 30                    | 77  | 55 | 77  | 70 | 77  | 77 | 98 | Woods, Good Condition             |
| Water                      | 98                    | 98  | 98 | 98  | 98 | 98  | 98 | 98 | --                                |



### 2.1.6 Evapotranspiration

In the SWIL model, evapotranspiration (ET) and rainfall are used to calculate total stream flow to the IRL. Typically, actual ET is estimated from potential evapotranspiration (PET) from a variety of equations but most commonly by the Priestley-Taylor equation (Priestley and Taylor, 1972), presented in Equation 2-1, and Penman-Monteith equation (Monteith, 1965) presented in Equation 2-2.

Priestley-Taylor Equation (Eq. 2-1):

$$\lambda \rho_w ET_o = \alpha \frac{\Delta}{\Delta + \gamma} (R_n - G) \quad (2-1)$$

where:

|           |   |                                                          |
|-----------|---|----------------------------------------------------------|
| ET        | = | potential evapotranspiration (mm day <sup>-1</sup> )     |
| $\lambda$ | = | latent heat of vaporization (MJ kg <sup>-1</sup> )       |
| $\rho_w$  | = | density of water (kg m <sup>-3</sup> )                   |
| $\Delta$  | = | slope of the saturation vapor pressure temperature curve |
| $\Gamma$  | = | psychrometric constant                                   |
| $R_n$     | = | net radiation (W m <sup>-2</sup> )                       |
| $G$       | = | soil heat flux (W m <sup>-2</sup> )                      |
| $A$       | = | Priestly-Taylor coefficient                              |

Penman-Monteith Equation (Eq. 2-2):

$$\lambda \rho_w ET_o = \frac{\Delta (R_n - G) + \rho_a c_p D/r_a}{\Delta + \gamma (1 + r_s/r_a)} \quad (2-2)$$

where:

|                 |   |                                                                    |
|-----------------|---|--------------------------------------------------------------------|
| ET <sub>o</sub> | = | potential evapotranspiration (mm day <sup>-1</sup> )               |
| $\lambda$       | = | latent heat of vaporization (MJ kg <sup>-1</sup> )                 |
| $\rho_w$        | = | density of water (kg m <sup>-3</sup> )                             |
| $\Delta$        | = | slope of the saturation vapor pressure temperature curve           |
| $\Gamma$        | = | psychrometric constant                                             |
| $R_n$           | = | net radiation (W m <sup>-2</sup> )                                 |
| $G$             | = | soil heat flux (W m <sup>-2</sup> )                                |
| $\rho_a$        | = | mean air density at constant pressure                              |
| $c_p$           | = | specific heat of air (1.013 kJ kg <sup>-1</sup> °C <sup>-1</sup> ) |
| $r_s$           | = | bulk surface resistance (s m <sup>-1</sup> )                       |
| $r_a$           | = | aerodynamic resistance (s m <sup>-1</sup> )                        |

Equations 2-1 and 2-2 require daily input for a variety of meteorological parameters and were considered to be computationally too intensive to implement in the SWIL model. As an alternative, a method was developed that combined typical monthly ET values based on land use for developed areas with a remote sensing method for undeveloped areas. The advantages of this approach were that it greatly simplified the data requirements, and it could be integrated into the existing SWIL GIS model.

The remote sensing portion of the ET method was developed by the Numerical Terradynamic Simulation Group (NTSG) at the University of Montana (Mu et al., 2011) for undeveloped areas. The NTSG method utilizes the MODerate Resolution Imaging Spectroradiometer (MODIS) onboard NASA's Terra and Aqua satellites to provide information regarding vegetation and surface energy (Justice et al., 2002). The MODIS ET datasets are estimated using an ET algorithm (Mu et al., 2011) based on the Penman-Monteith equation (Equation 2-2) (Monteith, 1965). The remote sensing provides data for net radiation to the soil and plants and values for the soil heat flux to the ET algorithm. The MODIS ET data sets are downloadable raster files made up of 1-km<sup>2</sup> pixels and are available for 8-day, monthly, and annual intervals starting in 2000. The MODIS ET algorithm compared with 46 ground-based AmeriFlux eddy flux towers ET observations had an R correlation coefficient of 0.86 (Mu et al., 2011). The MODIS data set excludes ET values for urban and open water areas and, therefore, was only applied to undeveloped areas.

The raw monthly MODIS ET raster files were interpolated to completely cover the IRL watershed in order to assure complete coverage of all undeveloped areas. The interpolations were performed by first converting each MODIS ET 1-by-1 pixel to point files and then interpolating the point files back into raster files using the inverse distance weighting (IDW) method in the Spatial Analyst extension in ArcGIS with the default settings. Interpolated MODIS ET raster files were created for each month from 2000-2010, resulting in 132 separate files.

The MODIS ET data is available beginning in January 2000, but the SWIL model is calculated for the period from 1995-2010, so the 2000-2010 monthly average ET values are used to estimate ET for the missing period of 1995-1999. The monthly averages were calculated in raster format using the interpolated undeveloped pervious area ET raster files in ArcGIS to maintain the spatial distribution. A box plot of the monthly undeveloped ET values as weighted averages of the entire IRL watershed is given in Figure 2-15. The monthly 95% confidence interval varied from 0.13 inches/month in September to 0.34 inches/month in April. The mean undeveloped ET from 2000-2010 was 39.30 inches, with a 95% confidence interval of 1.41 inches. Therefore, using the 2000-2010 monthly averages for the missing period, 1995-1999 will be mostly within 0.5 inches for a specific month and 1.41 inches for the year.

ET values for developed areas were estimated by dividing the developed areas into pervious and impervious areas. ET from impervious areas was assumed to be solely due to the evaporation (E) of abstracted rainfall ( $I_a$ ). Therefore, the amount of rainfall abstraction was estimated by assuming up to 0.1 inch of rainfall abstraction per rainfall event. The fraction of monthly abstracted total rainfall is presented in Table 2-16. The abstracted rainfall values in Table 2-16 are based on monthly rainfall distributions for Daytona Beach, Melbourne and Vero Beach which were calculated for the C-value estimation. The lowest fractions of abstracted rainfall occur in the March and September, while the highest fractions occur in December and January.

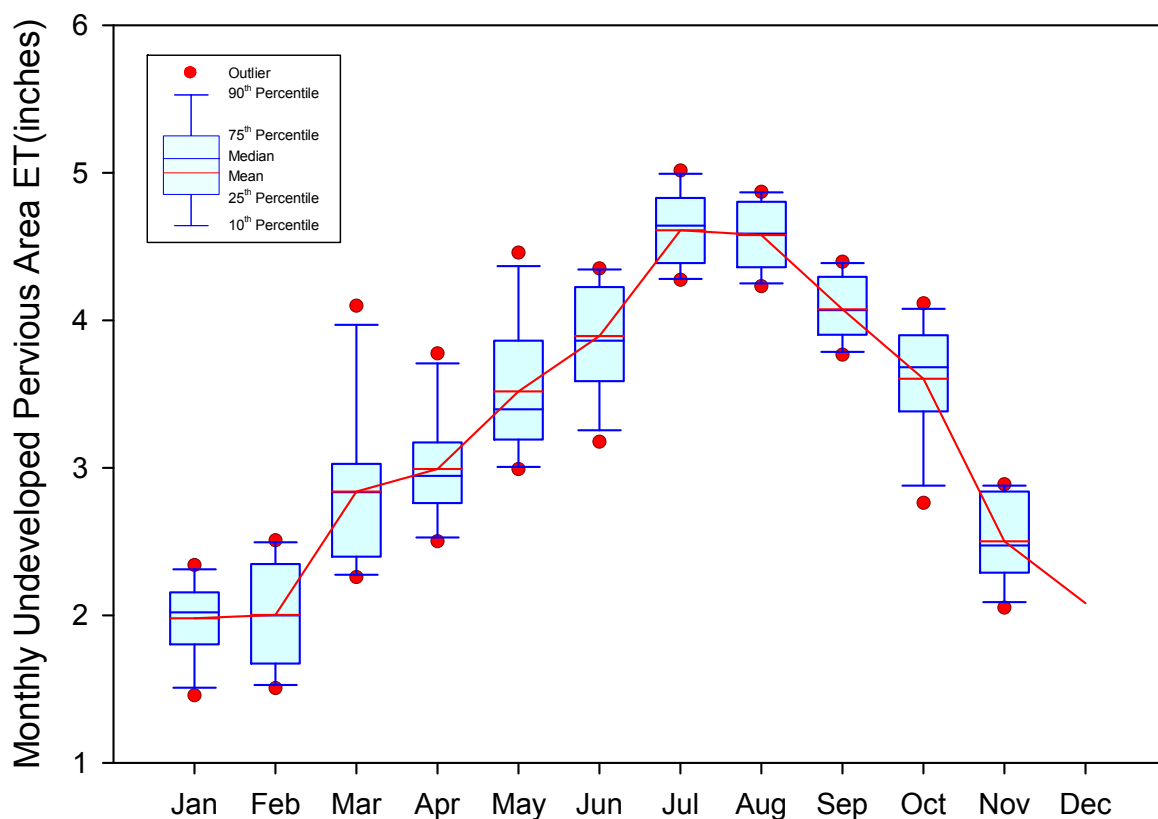


Figure 2-15. Box Plot of the Monthly Undeveloped ET Values.

TABLE 2-16

**MONTHLY FRACTION OF ABSTRACTED TOTAL  
RAINFALL AND MONTHLY ET RATES FOR BAHIA GRASS**

| MONTH    | FRACTION OF<br>ABSTRACTED<br>RAINFALL | ET FOR<br>BAHIA GRASS<br>(inches/month) | MONTH     | FRACTION OF<br>ABSTRACTED<br>RAINFALL | ET FOR<br>BAHIA GRASS<br>(inches/month) |
|----------|---------------------------------------|-----------------------------------------|-----------|---------------------------------------|-----------------------------------------|
| January  | 0.227                                 | 0.89                                    | July      | 0.201                                 | 3.82                                    |
| February | 0.196                                 | 0.97                                    | August    | 0.200                                 | 3.48                                    |
| March    | 0.177                                 | 2.34                                    | September | 0.172                                 | 2.96                                    |
| April    | 0.198                                 | 4.28                                    | October   | 0.183                                 | 2.28                                    |
| May      | 0.218                                 | 5.15                                    | November  | 0.208                                 | 1.70                                    |
| June     | 0.189                                 | 3.91                                    | December  | 0.238                                 | 0.99                                    |

SOURCE: Jia et al.(2007)

Impervious area evaporation ( $E_{imp}$ ) was calculated, as shown in Equation 2-3 below:

$$E_{imp} = \frac{\% \text{ Imp} \times P \times I_a}{100} \quad (2-3)$$

where:

|           |   |                                           |
|-----------|---|-------------------------------------------|
| $E_{imp}$ | = | Evaporation from impervious area (inches) |
| % Imp     | = | Percent impervious area (%)               |
| P         | = | Monthly rainfall (inches)                 |
| $I_a$     | = | Fraction of abstracted rainfall           |

The monthly ET values for the pervious developed areas were based on the assumption that the most common land cover for the developed areas was grass. Two types of grass, St. Augustine and Bahia grass, were evaluated as part of the calibration process. However, the calibration indicated that for the simulation of total stream flow was a better fit with Bahia grass. Therefore, Bahia grass was assumed as the ground cover in developed areas. The monthly ET values for Bahia grass are presented in the final column of Table 2-16.

The total ET is then calculated by adding the undeveloped pervious area ET ( $ET_{undev}$ ), the impervious area ET ( $E_{imp}$ ), and the pervious developed ET ( $ET_{dev\ perv}$ ) together. An ET reduction factor for the developed area ET was developed as part of the calibration process. The final equation for total ET is presented in Equation 2-4 below:

$$ET_{total} = \frac{[a(A_{imp} E_{imp}) + b(A_{dev\ perv} ET_{dev\ perv}) + c(A_{undev\ perv} ET_{undev\ perv})]}{12} \quad (2-4)$$

where:

|                    |   |                                                                          |
|--------------------|---|--------------------------------------------------------------------------|
| $ET_{total}$       | = | Total ET (ac-ft)                                                         |
| $E_{imp}$          | = | Evaporation from impervious area (Equation 3)(inches)                    |
| $ET_{dev\ perv}$   | = | ET from developed pervious area for Bahia (Table 1-6) (inches)           |
| $ET_{undev\ perv}$ | = | ET from undeveloped pervious area (from GIS)(inches)                     |
| $A_{imp}$          | = | Impervious area (acres)                                                  |
| $A_{dev\ perv}$    | = | Developed pervious area (acres)                                          |
| $A_{undev\ perv}$  | = | Undeveloped pervious area (acres)                                        |
| a                  | = | Constant derived from calibration for impervious areas = 1.065           |
| b                  | = | Constant derived from calibration for developed pervious areas = 0.412   |
| c                  | = | Constant derived from calibration for undeveloped pervious areas = 0.757 |

The constant  $b$  in Equation 2-4 was derived as part of the total streamflow calibration effort described in Section 3. Due to the confining layer which underlies most of the IRL watershed, the basic hydrologic equation becomes:

$$\text{Streamflow} = \text{Rainfall} - \text{ET}$$

The calibration consisted of iterating adjustment factors for the developed ET and undeveloped ET separately since the developed and undeveloped ET values were estimated differently. The developed ET was calculated as the sum of the developed impervious ET and developed pervious ET, whereas the undeveloped ET was estimated directly by the satellite base method described previously. By minimizing the percent bias (PBIAS), adjustment factors,  $a$  (1.065),  $b$  (0.412) and  $c$  (0.757) for the impervious, developed pervious, and undeveloped pervious ET respectively, were found to provide the best fit for total streamflow.

Estimates of monthly ET within the IRL watershed were developed using the relationship summarized in Equation 2-4. This information was generated into a series of ET isopleths across the IRL watershed on a monthly basis over the modeling period from 1995-2010, resulting in 192 separate ET isopleth files. The monthly ET isopleths were then used as input data into the SWIL model.

## **2.2 Runoff Characterization Data**

Another work effort assigned to ERD was to review and recommend runoff emc values for use in the SWIL model. Runoff emc values were generated by ERD for each of the generalized land use categories discussed previously.

An extensive review of runoff characterization studies conducted in the State of Florida was developed by Harper and Baker (2007) in support of the Florida Statewide Stormwater Rule development. The results of this literature review are summarized in the document titled “Evaluation of Current Stormwater Design Criteria within the State of Florida” (June 2007). The results of the literature review conducted by Harper and Baker are described in this document which includes collection and analysis of runoff characterization studies conducted within the State of Florida which document runoff concentrations for single land use categories.

The runoff characterization data in the 2007 report are periodically updated by ERD as new runoff characterization data become available, and the most updated version of the emc data was chosen for the IRL evaluation. The data contained in the updated emc database were evaluated for appropriateness for IRL conditions. The characteristics of watershed areas included in the database studies were compared with the characteristics of watershed areas for similar land use characteristics in the IRL watershed, and no significant differences in general watershed characteristics were noted. Many of the studies contained in the database were conducted on watersheds within the IRL basin, especially the agricultural studies. Therefore, the emc values listed in the revised emc database were assumed to be appropriate for the IRL conditions and watershed.

The data contained within the database provide emc runoff data primarily for developed land use categories and agricultural categories, with very little data provided for the runoff characteristics for natural areas. Therefore, information on the runoff characteristics from natural areas was obtained from a supplemental monitoring project conducted by ERD for FDEP to develop runoff characteristics for natural land use areas within the State of Florida. These data were also generated in support of the Statewide Stormwater Rule primarily to provide pre-development runoff quality data for watersheds requiring pre- vs. post-pollutant loading analyses.

A total of 33 automated monitoring sites was established by ERD within 10 State parks throughout Florida. Field monitoring was conducted over a 14-month period from July 2007-August 2008 to include a variety of seasonal conditions, and a total of 318 composite runoff samples was collected and analyzed for general parameters, nutrients, demand parameters, fecal coliform, and heavy metals. The information obtained from this study was used to supplement the previously existing emc data for developed and agricultural areas discussed previously.

A tabular summary of recommended emc values for use in the Indian River Lagoon TMDL evaluation is given in Table 2-17. Runoff characterization data are provided for each of the 27 generalized land use categories selected within the IRL watershed. Information on the source of the data is also provided. The information summarized in Table 2-17 is used as input data in the SWIL model to calculate estimates of the generated nutrient loadings for land use categories within the IRL.

### **2.3 Evaluation of BMP Efficiencies**

The SWIL model incorporates nutrient attenuation within stormwater management systems in the IRL watershed. Therefore, estimates of nutrient removal efficiencies were needed for the various BMPs used within the IRL basin. BMP removal efficiencies were calculated by ERD for two different time periods which reflect changes in the design criteria for stormwater management systems within the IRL watershed.

During 2004, the Impaired Waters Rule was implemented within the State of Florida. This rule requires that stormwater management systems discharging to impaired waters provide a sufficient nutrient load reduction such that the post-development loadings to the receiving waterbody are equal to or less than nutrient loadings discharging to the waterbody under natural pre-development conditions. The implementation of this rule substantially enhanced the design of stormwater management systems within the SJRWMD compared with removal efficiencies for systems designed prior to implementation of the Impaired Waters Rule. Therefore, for purposes of modeling nutrient loadings to the IRL over the period from 1995-2010, separate sets of BMP removal efficiencies were calculated for periods prior to and following implementation of the Impaired Waters Rule. Projects permitted prior to 2004 are assumed to have been constructed using SJRWMD stormwater design criteria effective prior to implementation of the Impaired Waters Rule. For systems built after 2004, it is assumed that the stormwater management system will achieve a post-loading  $\leq$  pre-loading condition to satisfy the Impaired Waters Rule since the IRL is a designated Impaired Water.



**TABLE 2-17**  
**RECOMMENDED emc VALUES FOR USE IN THE IRL TMDL EVALUATION**

| LAND USE                         | AREA<br>(acres) | PERCENT<br>OF TOTAL<br>(%) | PERCENT<br>IMPERVIOUS<br>(%) | PERCENT<br>DCIA<br>(%) | RUNOFF emc<br>(mg/l) |              | REFERENCE                                    |
|----------------------------------|-----------------|----------------------------|------------------------------|------------------------|----------------------|--------------|----------------------------------------------|
|                                  |                 |                            |                              |                        | Total N              | Total P      |                                              |
| Wetland                          | 89,572          | 20.8                       | 0                            | 0                      | 1.50                 | 0.100        | Available Wetland STORET Data for IRL Area   |
| Medium-Density Residential (MDR) | 47,106          | 11.0                       | 40                           | 20                     | 1.87                 | 0.301        | Florida emc Database                         |
| Scrub                            | 36,697          | 8.5                        | 0                            | 0                      | 1.16                 | 0.096        | ERD (2009) - Xeric Scrub                     |
| Citrus                           | 30,305          | 7.0                        | 0                            | 0                      | 2.07                 | 0.152        | Florida emc Database                         |
| Pasture                          | 25,711          | 6.0                        | 0                            | 0                      | 3.30                 | 0.621        | Florida emc Database                         |
| Wet Flatwoods                    | 23,243          | 5.4                        | 0                            | 0                      | 1.18                 | 0.015        | ERD (2009)                                   |
| Upland Flatwoods                 | 22,838          | 5.3                        | 0                            | 0                      | 1.00                 | 0.034        | ERD (2009) - Mesic Flatwoods                 |
| Low-Density Residential (LDR)    | 22,673          | 5.3                        | 15                           | 0                      | 1.51                 | 0.178        | Average of MDR & open space                  |
| Dry Prairie                      | 18,038          | 4.2                        | 0                            | 0                      | 1.95                 | 0.107        | ERD (2009)                                   |
| Water                            | 16,921          | 3.9                        | 100                          | 100                    | Deposition Values    |              | Use Atmospheric Deposition Conc.             |
| Institutional                    | 15,668          | 3.6                        | 20                           | 10                     | 1.51                 | 0.178        | Assumed equivalent to LDR                    |
| High-Density Residential (HDR)   | 14,543          | 3.4                        | 50                           | 30                     | 2.10                 | 0.497        | Florida emc Database                         |
| Open                             | 11,603          | 2.7                        | 0                            | 0                      | 1.15                 | 0.055        | Harper and Baker (2007)                      |
| Commercial                       | 11,560          | 2.7                        | 80                           | 60                     | 1.64                 | 0.214        | Average of low and high intensity commercial |
| Xeric Hammock                    | 7,795           | 1.8                        | 0                            | 0                      | 1.32                 | 2.82         | ERD (2009)                                   |
| Wet Prairies                     | 6,407           | 1.5                        | 0                            | 0                      | 0.78                 | 0.009        | ERD (2009)                                   |
| Hydric Hammock                   | 6,121           | 1.4                        | 0                            | 0                      | 1.07                 | 0.026        | ERD (2009)                                   |
| Recreational 1 - Golf Courses    | 5,566           | 1.3                        | 5                            | 0                      | 1.87                 | 0.301        | Assumed equivalent to MDR                    |
| Transportation                   | 5,552           | 1.3                        | 50                           | 30                     | 1.37                 | 0.167        | Florida emc Database                         |
| Industrial                       | 4,728           | 1.1                        | 30                           | 10                     | 1.19                 | 0.213        | Florida emc Database                         |
| Recreational 2 - Parks, etc.     | 2,268           | 0.5                        | 20                           | 10                     | 1.51                 | 0.178        | Assumed equivalent to LDR                    |
| Agriculture                      | 1,361           | 0.3                        | 5                            | 0                      | 2.61                 | 0.485        | Florida emc Database                         |
| Ruderal                          | 1,321           | 0.3                        | 0                            | 0                      | 1.32                 | 0.347        | ERD (2009)                                   |
| Mesic Flatwoods                  | 1,275           | 0.3                        | 0                            | 0                      | 1.00                 | 0.034        | ERD (2009)                                   |
| Mining                           | 594             | 0.1                        | 0                            | 0                      | 1.18                 | 0.150        | Florida emc Database                         |
| Row Crops                        | 501             | 0.1                        | 0                            | 0                      | 2.46                 | 0.489        | Florida emc Database                         |
| Upland Mixed Forest              | 131             | 0.0                        | 0                            | 0                      | 0.68                 | 2.29         | ERD (2009)                                   |
| <b>Grand Total/Mean Value:</b>   | <b>430,098</b>  | <b>100</b>                 | <b>10.9</b>                  | <b>5.7</b>             | <b>1.64</b>          | <b>0.231</b> |                                              |

**References:**

|                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Updated version of runoff characterization data outlined in "Performance Efficiency Evaluation of Stormwater Management Systems in Florida" (Harper and Baker, 2007) |
| "Runoff Characteristics of Natural Vegetation Communities in Florida", Environmental Research & Design, Inc. (ERD, 2009)                                             |
| "Performance Efficiency Evaluation of Stormwater Management Systems in Florida" (Harper and Baker, 2007)                                                             |

An analysis of estimated required nutrient removals necessary to achieve post  $\leq$  pre nutrient loadings in the IRL basin is summarized in Table 2-18. This analysis provides a summary of the developed land use categories within the IRL basin and the percentage composition of each category as part of the overall developed area. Percentages are also provided for the amount of each land use category in each of the four primary HSG categories. Separate analyses are provided for developed areas constructed in each of the four HSG categories since the annual runoff volume varies significantly between the various soil groupings. This analysis assumes a pre-development total phosphorus concentration of 0.05 mg/l and a pre-development total nitrogen concentration of 1.15 mg/l. The estimated removal efficiencies will vary if the actual pre-development runoff characteristics differ from the assumptions listed previously.

Estimates of annual mass loadings were calculated under pre-development conditions using the assumed runoff characteristics listed previously and annual runoff volumes associated with each of the four HSG classifications. Estimates of post-development nutrient loadings were calculated using estimates of annual runoff volumes generated for each developed land use category and the tabular emc values for the developed land use categories (listed in Table 2-17). The percentage removal for nitrogen and phosphorus is calculated so that the post-development loading is equal to or less than the pre-development loading of the site under natural conditions. Separate removal efficiencies are provided in Table 2-18 for both total nitrogen and total phosphorus and each of the four primary hydrologic soil groups. A weighted mean removal efficiency is calculated for each of the developed land use categories based upon the percentage of soil groupings represented in each of the developed land use categories. The weighted mean values for total nitrogen and total phosphorus reflect the required annual load reductions for total nitrogen and total phosphorus to achieve the objective of post  $\leq$  pre development loadings.

Prior to implementation of the Impaired Waters Rule, the most common stormwater management systems permitted through SJRWMD in the IRL watershed were dry retention and wet detention ponds. According to SJRWMD rules, dry retention systems were designed with a treatment volume equivalent to one inch of runoff, with wet detention ponds designed for a 14-day residence time during wet season conditions. An analysis of the performance efficiency of these common stormwater BMPs designed according to SJRWMD criteria was conducted by Harper and Baker and included in the 2007 report. This analysis determined that the effectiveness of dry retention ponds is simply a function of the fraction of annual runoff volume retained within the pond. For wet detention ponds, relationships were developed between detention time and removal efficiency for both total phosphorus and total nitrogen. A graphical summary of functional relationships between removal efficiency and detention time in wet detention ponds is given on Figure 2-16. This information was used to estimate the removal efficiencies for nitrogen and phosphorus in stormwater management systems designed according to SJRWMD design criteria prior to implementation of the Impaired Waters Rule.

TABLE 2-18

**ESTIMATED REQUIRED NUTRIENT REMOVALS TO ACHIEVE  
POST-DEVELOPMENT ≤ PRE-DEVELOPMENT NUTRIENT LOADINGS IN THE IRL BASIN**

| LAND USE       | PERCENT OF DEVELOPED AREAS (%) | PERCENT OF AREA IN HSG (%)                |    |    |    | REQUIRED TN REMOVAL FOR POST ≤ PRE (%) AS A FUNCTION OF HSG |      |      |      |               | REQUIRED TP REMOVAL FOR POST ≤ PRE (%) AS A FUNCTION OF HSG |      |      |      |               |
|----------------|--------------------------------|-------------------------------------------|----|----|----|-------------------------------------------------------------|------|------|------|---------------|-------------------------------------------------------------|------|------|------|---------------|
|                |                                | A                                         | B  | C  | D  | A                                                           | B    | C    | D    | Weighted Mean | A                                                           | B    | C    | D    | Weighted Mean |
| Commercial     | 7.54                           | 70                                        | 25 | 4  | 1  | 99.5                                                        | 97.1 | 93.5 | 90.6 | 98.6          | 99.8                                                        | 99.0 | 97.8 | 96.9 | 99.5          |
| HDR            | 9.02                           | 66                                        | 28 | 5  | 1  | 99.3                                                        | 95.8 | 91.1 | 87.5 | 97.8          | 99.8                                                        | 99.1 | 98.1 | 97.3 | 99.5          |
| Industrial     | 3.28                           | 65                                        | 20 | 12 | 3  | 93.8                                                        | 78.5 | 66.8 | 61.4 | 86.5          | 97.5                                                        | 91.3 | 86.6 | 84.4 | 94.6          |
| Institutional  | 10.40                          | 75                                        | 15 | 7  | 3  | 93.8                                                        | 78.5 | 66.8 | 61.4 | 88.6          | 97.5                                                        | 91.3 | 86.6 | 84.4 | 95.4          |
| LDR            | 19.51                          | 63                                        | 15 | 21 | 1  | 93.8                                                        | 78.5 | 66.8 | 61.4 | 85.5          | 97.5                                                        | 91.3 | 86.6 | 84.4 | 94.2          |
| MDR            | 41.35                          | 74                                        | 19 | 6  | 1  | 98.0                                                        | 89.8 | 81.2 | 76.0 | 95.2          | 99.4                                                        | 96.9 | 94.3 | 92.7 | 98.6          |
| Golf Course    | 3.35                           | 55                                        | 1  | 0  | 44 | 98.0                                                        | 89.8 | 81.2 | 76.0 | 88.2          | 99.4                                                        | 96.9 | 94.3 | 92.7 | 96.4          |
| Recreational 2 | 1.72                           | 73                                        | 20 | 5  | 2  | 93.8                                                        | 78.5 | 66.8 | 61.4 | 88.7          | 97.5                                                        | 91.3 | 86.6 | 84.4 | 95.5          |
| Transportation | 3.84                           | 69                                        | 20 | 6  | 5  | 99.2                                                        | 94.9 | 88.8 | 84.2 | 96.9          | 99.7                                                        | 98.2 | 96.0 | 94.4 | 98.9          |
| <b>100.00</b>  |                                | <b>Weighted Overall TN Removal Value:</b> |    |    |    | <b>92.6</b>                                                 |      |      |      |               | <b>Weighted Overall TP Removal Value:</b>                   |      |      |      |               |
|                |                                |                                           |    |    |    | <b>97.3</b>                                                 |      |      |      |               |                                                             |      |      |      |               |

Mean of 25% and 40% impervious MDR areas

Assumed to be similar to LDR removal efficiencies

Assumed to be similar to LDR removal efficiencies

Assumed to be similar to MDR removal efficiencies

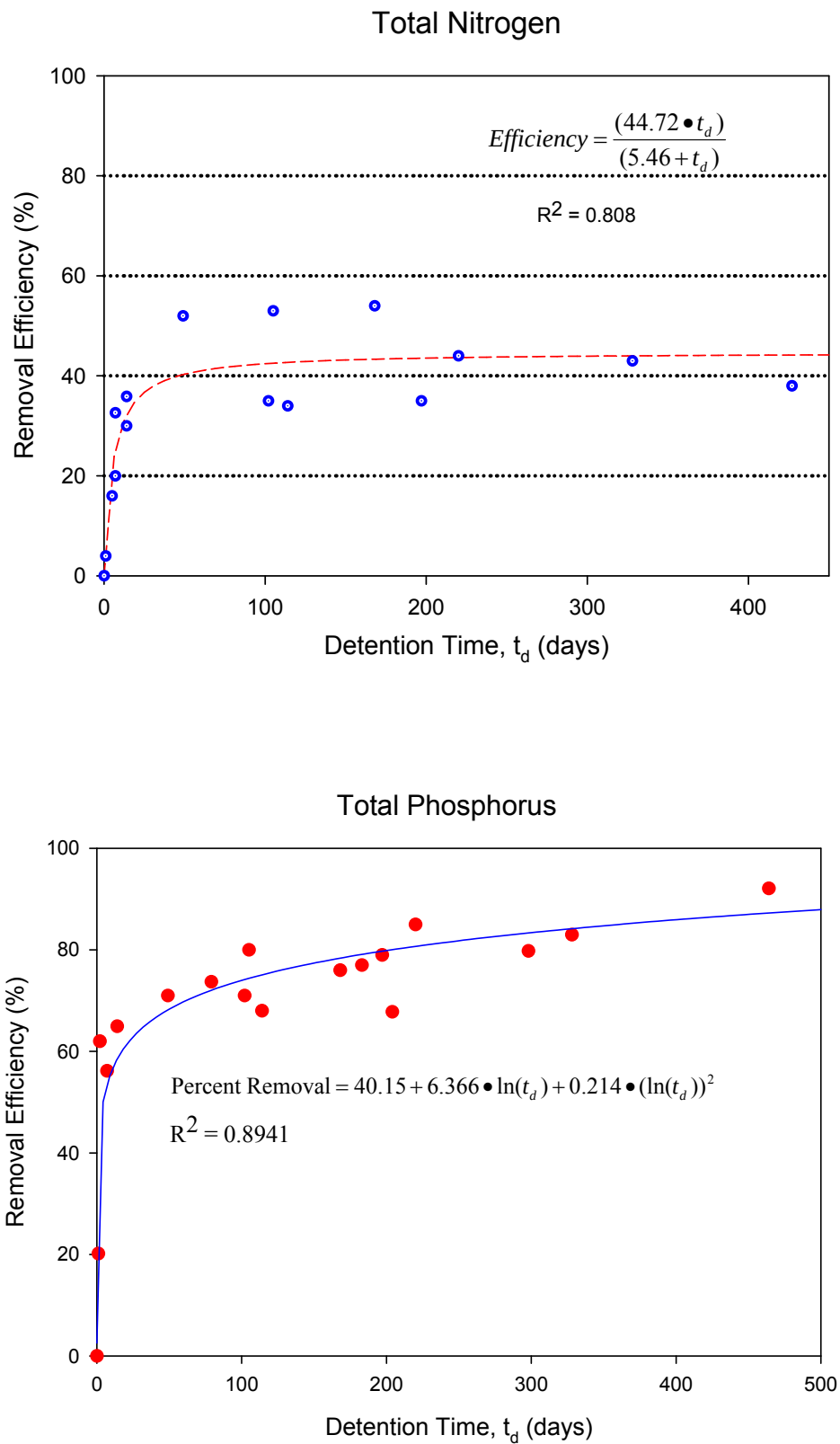


Figure 2-16. Functional Relationships Between Removal Efficiency and Detention Time in Wet Detention Ponds (Harper and Baker, 2007).

A tabular summary of recommended BMP efficiencies for use in the IRL TMDL evaluation for construction which occurred prior to implementation of the Impaired Waters Rule is given on Table 2-19a, based upon the analyses conducted by ERD. The previous analysis of BMP efficiencies conducted as part of the Statewide Stormwater Rule indicated that a dry retention pond in the SJRWMD designed to treat one inch of runoff would remove approximately 75% of the annual runoff volume and 75% of the annual loadings of nitrogen and phosphorus which enter the pond. Using the relationship summarized on Figure 2-16, wet detention ponds designed according to SJRWMD criteria would be expected to remove approximately 36% of the total nitrogen and 62% of the total phosphorus on an annual basis. A runoff volumetric loss of approximately 20% is also assumed for the wet detention pond due to exfiltration from the pond into groundwater.

Estimates of BMP efficiencies for stormwater management systems constructed in the IRL watershed following implementation of the Impaired Water Rule is given on Table 2-19b. An extensive analysis of removal efficiencies for total nitrogen and total phosphorus required to achieve the goal of post  $\leq$  pre nutrient loadings was conducted by Harper and Baker as part of the Statewide Stormwater Rule evaluation. The removal efficiencies summarized in Table 2-19b for nitrogen and phosphorus are a result of this analysis. Estimated annual mass and volumetric removals are listed for each identified developed land use category. Since the objective of the SJRWMD Impaired Waters design criteria are to achieve post  $\leq$  pre loadings, then the required removal efficiencies listed in Table 2-19b are assumed to occur for stormwater systems constructed after 2004. Therefore, stormwater loadings for development which occurred after 2004 are assumed to be reduced by the percentages listed in Table 2-19b prior to discharge to downstream waterbodies. Since it is highly likely that retention and infiltration of runoff into groundwater is required to achieve these efficiencies, a runoff volume loss of approximately 90% is also assumed for systems constructed following implementation of the Impaired Waters Rule.

The performance efficiencies for BMP systems listed in Tables 2-19a and 2-19b are used as input in the SWIL model to reduce the generated nutrient loadings for developed areas within the IRL watershed which were constructed following the requirement for implementation of stormwater management systems. Parcels constructed prior to implementation of requirements for stormwater management systems are assumed to have no reductions in loadings prior to discharging to downstream waterbodies.

TABLE 2-19

**RECOMMENDED BMP EFFICIENCIES  
FOR USE IN THE IRL TMDL EVALUATION**

**a. Prior to Implementation of Impaired Waters Rule**

| TIME PERIOD                                                         | BMP TYPE                            | ASSUMED ANNUAL<br>MASS / VOLUME REMOVAL<br>(% of Total) |            |            | ASSUMPTIONS                                                                                                                                                                                             |
|---------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------|------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                     |                                     | Runoff<br>Volume                                        | Total<br>N | Total<br>P |                                                                                                                                                                                                         |
| Prior to<br>implementation of<br>Impaired Waters<br>design criteria | Dry Retention<br>(Dry Ponds)        | 75                                                      | 75         | 75         | Assumes that dry ponds are primarily dry<br>detention designed to SJRWMD rules.<br>Efficiencies reflect water volume which<br>is infiltrated into the ground.                                           |
|                                                                     | 1-inch runoff                       |                                                         |            |            |                                                                                                                                                                                                         |
|                                                                     | Wet Detention<br>(Wet Ponds)        | 20                                                      | 36         | 62         | Based on relationships between removal<br>efficiency and detention time. Assume<br>that ponds are designed with a 14-day<br>wet season detention time, equivalent to<br>a 22-day annual detention time. |
|                                                                     | 14-day wet season<br>residence time |                                                         |            |            |                                                                                                                                                                                                         |

**b. Following Implementation of Impaired Waters Rule**

| TIME PERIOD                                                                                                                           | DEVELOPED LAND<br>USE CATEGORY | ASSUMED ANNUAL<br>MASS / VOLUME<br>REMOVAL<br>(% of Total) |             |             | ASSUMPTIONS                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------|-------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                       |                                | Runoff<br>Volume                                           | Total<br>N  | Total<br>P  |                                                                                                                                                                                        |
| Following<br>implementation of<br>Impaired Waters<br>design criteria<br>requiring post $\leq$ pre<br>development<br>nutrient loadings | Commercial                     | 90                                                         | 98.6        | 99.5        | Assumes that constructed treatment<br>systems achieve goal of post $\leq$ pre<br>for nutrient loadings. Removals<br>reflect efficiencies necessary for no<br>net increase in loadings. |
|                                                                                                                                       | High-Density Residential       | 90                                                         | 97.8        | 99.5        |                                                                                                                                                                                        |
|                                                                                                                                       | Industrial                     | 90                                                         | 86.5        | 94.6        |                                                                                                                                                                                        |
|                                                                                                                                       | Institutional                  | 90                                                         | 88.6        | 95.4        |                                                                                                                                                                                        |
|                                                                                                                                       | Low-Density Residential        | 90                                                         | 85.5        | 94.2        |                                                                                                                                                                                        |
|                                                                                                                                       | Medium-Density Residential     | 90                                                         | 95.2        | 98.6        |                                                                                                                                                                                        |
|                                                                                                                                       | Golf Course                    | 90                                                         | 88.2        | 96.4        |                                                                                                                                                                                        |
|                                                                                                                                       | Recreational 2                 | 90                                                         | 88.7        | 95.5        |                                                                                                                                                                                        |
|                                                                                                                                       | Transportation                 | 90                                                         | 96.9        | 98.9        |                                                                                                                                                                                        |
|                                                                                                                                       | <b>Overall Weighted Value:</b> | <b>90</b>                                                  | <b>92.6</b> | <b>97.3</b> |                                                                                                                                                                                        |

SOURCE: Harper, H.H., and Baker, D.M. (2007). "Performance Efficiency Evaluation of Stormwater Management Systems in Florida".

## SECTION 3

### EVALUATION OF BASEFLOW LOADINGS TO THE IRL

Historical gauging data collected by the USGS and other governmental agencies, along with visual observations of the hydrologic characteristics of tributary inflows into the IRL, indicate that a relatively constant baseflow is present which is unrelated to storm events that occur within the IRL watershed. Due to the sandy soils present throughout much of the watershed, a large portion of direct precipitation infiltrates into the shallow groundwater table rather than discharging by overland flow as stormwater runoff. Downward movement of the surficial groundwater is limited by a shallow impermeable confining layer which is present throughout virtually all of the IRL watershed. As a result, rainfall which infiltrates into the ground and becomes groundwater tends to migrate horizontally (rather than vertically), entering the nearest tributary, canal, or discharges directly as groundwater seepage into the IRL. Quantification and modeling of hydrologic and nutrient loadings contributed by dry weather baseflow to the IRL was part of the work efforts conducted by ERD, and this section provides an analysis of work efforts to evaluate and quantify baseflow loadings.

#### 3.1 Hydrologic Characteristics of Baseflow

##### 3.1.1 Gauging Station Availability

Over the past 60 years, the U.S. Geological Survey (USGS) and St. Johns River Water Management District (SJRWMD) have maintained and operated 26 long-term discharge gauging stations in the IRL watershed. To be useful for purposes of this study, the discharge data had to meet three basic criteria: (1) the monitoring data had to fall within the SWIL model time frame from 1995-2010; (2) the station had to have uninterrupted daily flow measurements for at least five years within the SWIL time frame; and (3) the flow data must be reliable and not adversely affected by control structures, tidal influences, or other factors. Based on these criteria, nine of the 26 gauging stations were discarded for not having measurements within the simulation time frame. Another eight gauging stations were eliminated because they are upstream of a station with a better monitoring dataset. Five gauging stations were eliminated because the flow was affected by control structures, and three were removed because they only had 27 months of continuous flow measurements within the calibration time frame. The five remaining stations are shown in Figure 3-1, with four stations monitored by USGS and one by SJRWMD.

A list of the monitoring stations which meet the criteria for use with this project is given in Table 3-1. Each of the stations has at least seven years of continuous flow measurement. The North Prong, South Prong, and Fellsmere Canal sites have continuous data for the entire 192-month simulation period. The Crane Creek and Hickory Street Canal sites have 94 and 104 months of continuous data, respectively. Although the monitoring intervals for Crane Creek and Hickory Street Canal only overlapped for six months, the benefit of having an additional station was considered more important than having a uniform simulation period.



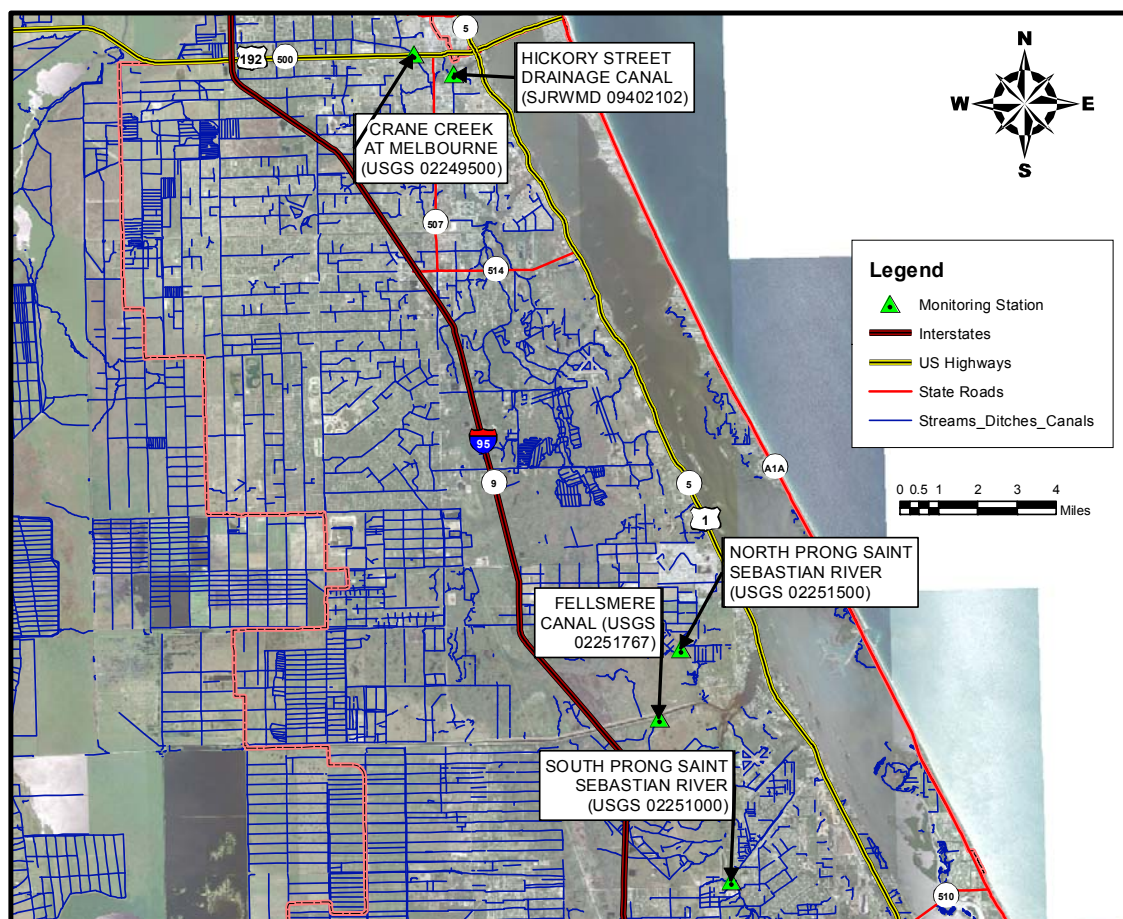


Figure 3-1. Location Map Showing the Five Selected Long-Term Gauging Stations.

**TABLE 3-1**

**SUMMARY OF SELECTED LONG-TERM  
MONITORING STATIONS FOR MODEL CALIBRATION**

| SITE NAME                                     | SITE NUMBER | AGENCY | LISTED DRAINAGE AREA (sq. miles) | PERIOD OF RECORD |          | CONTINUOUS RECORD DURING SIMULATION PERIOD |          |
|-----------------------------------------------|-------------|--------|----------------------------------|------------------|----------|--------------------------------------------|----------|
|                                               |             |        |                                  | Begin Date       | End Date | Begin Date                                 | End Date |
| Crane Creek at Melbourne                      | 2249500     | USGS   | 12.6                             | 04/01/51         | 10/10/12 | 3/1/03                                     | 12/31/10 |
| Hickory Street Drainage Canal                 | 09402102    | SJRWMD | Not Available                    | 01/23/87         | 09/05/03 | 1/1/95                                     | 8/1/03   |
| South Prong St Sebastian River near Sebastian | 2251000     | USGS   | 35                               | 09/13/66         | 08/18/11 | 1/1/95                                     | 12/31/10 |
| North Prong St. Sebastian River near Micco    | 2251500     | USGS   | 28.5                             | 09/21/87         | 08/03/11 | 1/1/95                                     | 12/31/10 |
| Fellsmere Canal near Micco                    | 2251767     | USGS   | Indeterminate                    | 06/30/92         | 08/05/11 | 1/1/95                                     | 12/31/10 |

Drainage basin boundaries for the monitoring stations were delineated by ERD in ArcGIS by using the SJRWMD QUAD drainage basin boundaries (SJRWMD, August 2011) as a guideline. The QUAD drainage basins boundaries were modified by ERD to correspond with the monitoring stations using the National Hydrography Dataset (NHD) NHD24Flowlines (USGS and FDEP, November 2011) and 2007 LIDAR data for Brevard County and Indian River County. Examples of flow lines obtained from the NHD are given in Figure 3-2. This information was extremely useful in identifying drainage boundaries in the relatively flat terrain in the IRL watershed. The delineated monitoring station boundaries are shown in Figure 3-3.

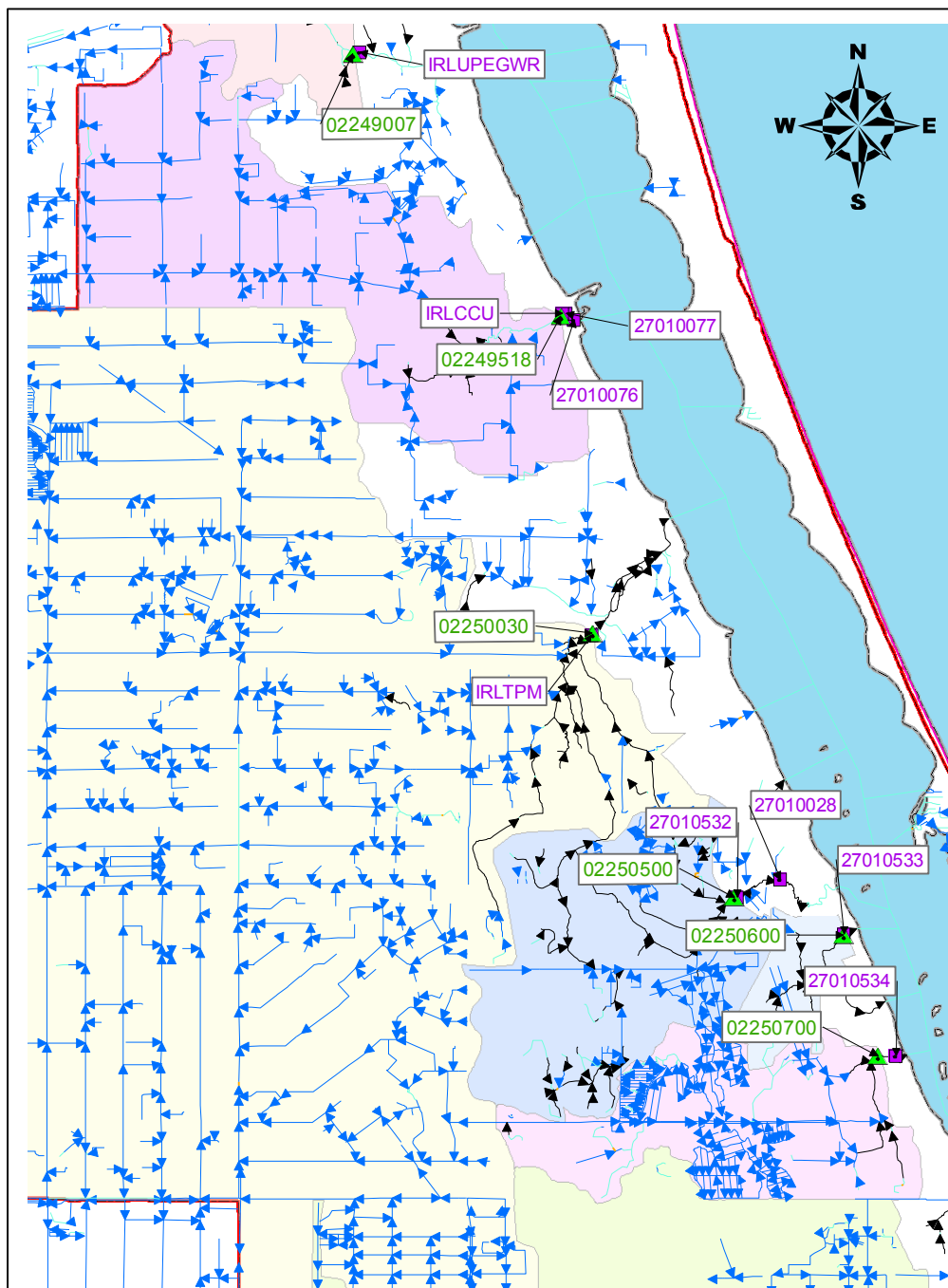


Figure 3-2. Example of Available GIS Hydrology Flow Lines Layer.

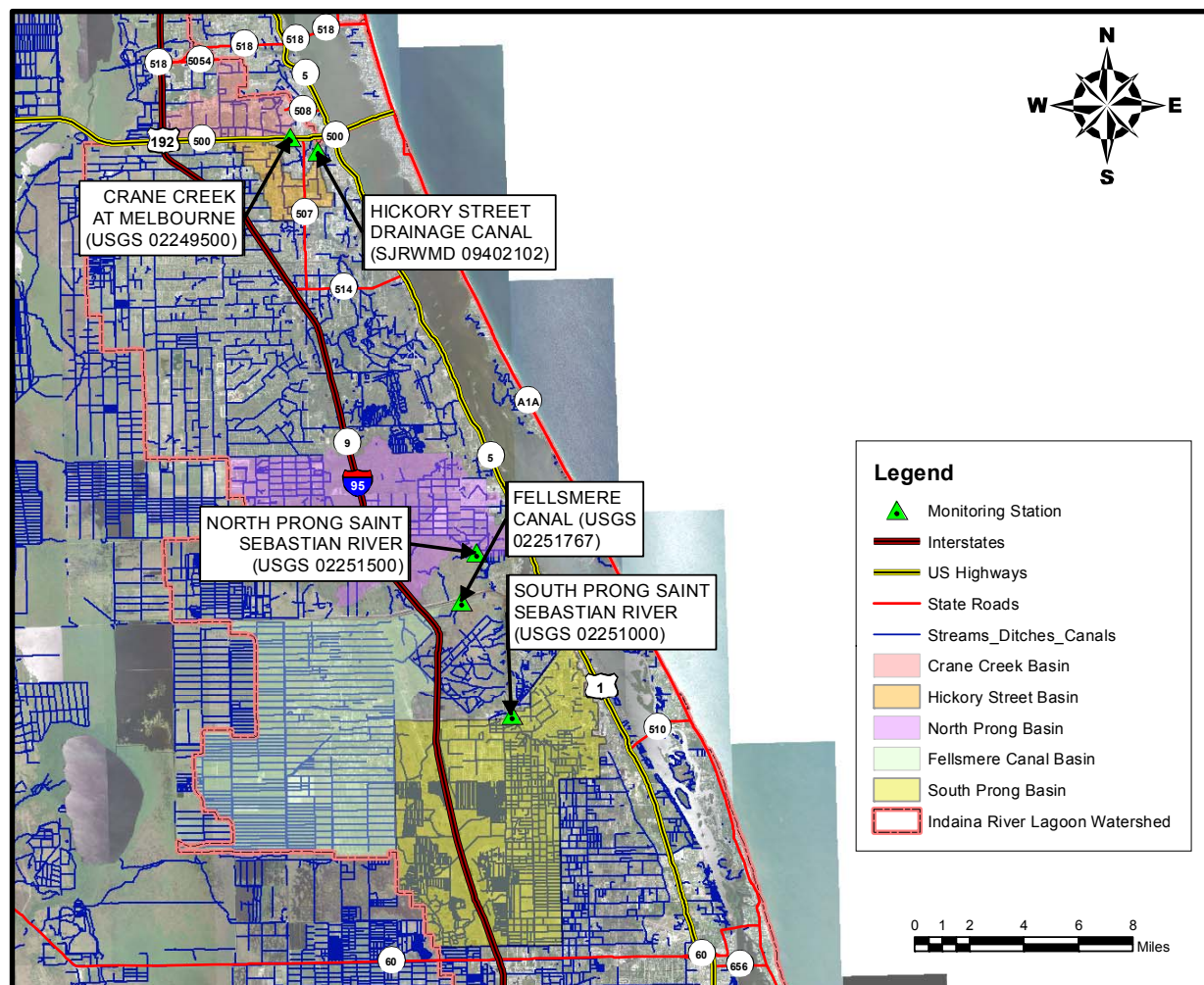


Figure 3-3. Location Map Showing the Monitoring Station Drainage Basins.

### 3.1.2 Stream Flow Data

A summary of descriptive statistics for the daily stream flow data for the five monitoring stations is given in Table 3-2, with the raw stream flow data provided in Appendix C. The South Prong and Fellsmere Canal stations had the highest mean daily discharges, 96 and 90 cfs, respectively, during the simulation period, while the Hickory Street Drainage Canal station had the lowest mean daily discharge of 12.3 cfs. The maximum daily flows for Fellsmere Canal (1,600 cfs), North Prong (2,520 cfs), and South Prong (2,660 cfs) stations occurred during hurricane Jeanne on September 26-27, 2004. The Crane Creek station had a maximum flow of 1,190 cfs on August 20, 2008 (in association with tropical storm Fay) and Hickory Street Drainage Canal station had a maximum daily flow of 442 cfs on August 2, 1995 (in association with tropical storm Erin). Fellsmere Canal had the highest minimum daily flow of 9.5 cfs, followed by the North Prong Station with 5.5 cfs. The other stations were all less than 3.5 cfs. The accumulated daily stream discharge values are presented as a time series in Figure 3-4. Many of the largest peaks shown in Figure 3-4 are the result of tropical storms and hurricanes. The monthly stream flow data for the monitoring stations tend to follow the same overall pattern for the simulation period.

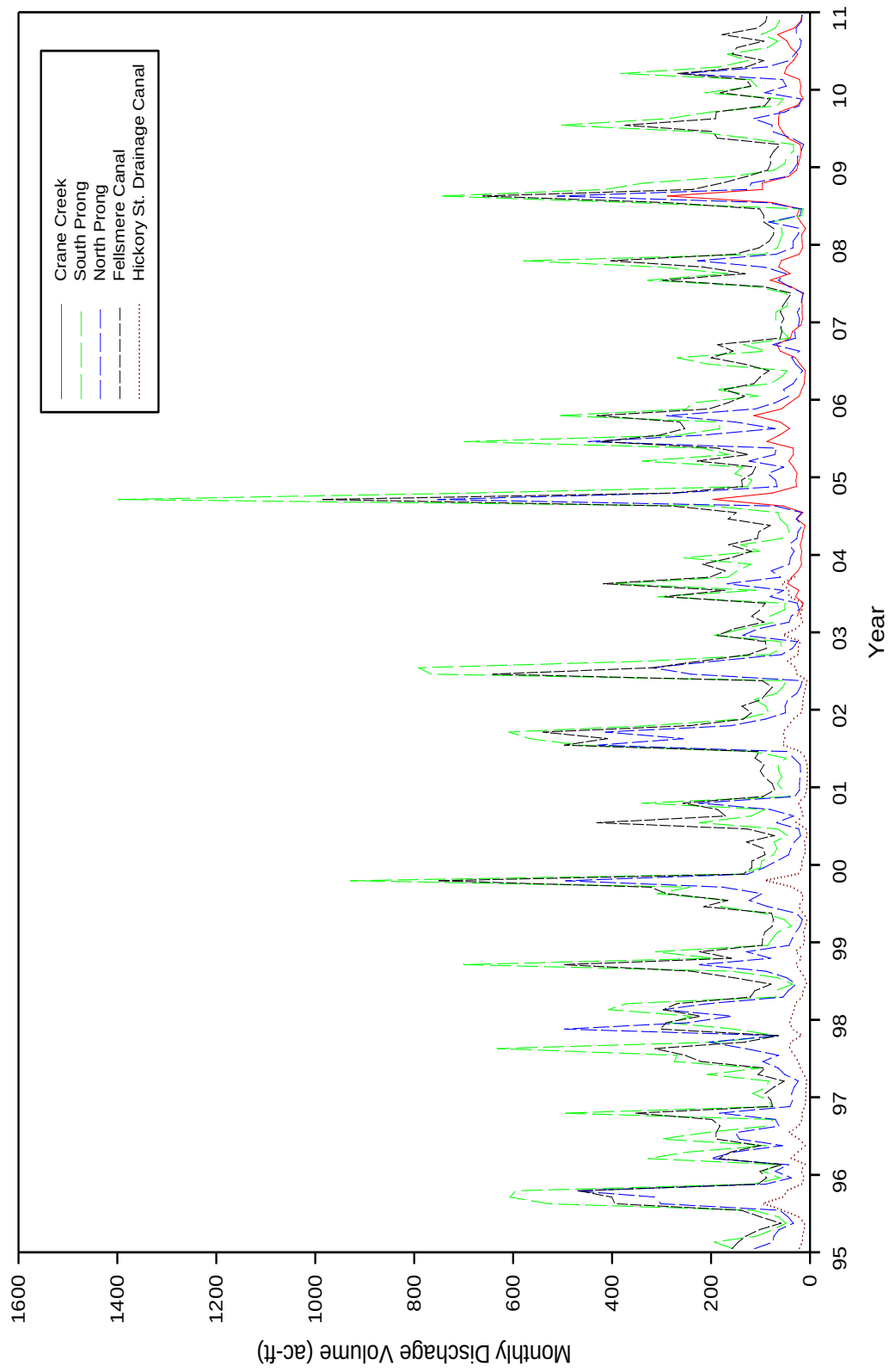


Figure 3-4. Monthly Stream Flow Measured at the Five Monitoring Stations from January 1995-December 2010.



**TABLE 3-2**  
**SUMMARY OF MONITORING**  
**STATION DAILY DISCHARGE MEASUREMENTS**

| STATION                    | MONITORING PERIOD |          | n    | DAILY FLOW STATISTICS (cfs) |         |         |
|----------------------------|-------------------|----------|------|-----------------------------|---------|---------|
|                            | Beginning         | End      |      | Mean                        | Minimum | Maximum |
| Crane Creek                | 3/1/03            | 12/31/10 | 2864 | 20.6                        | 3.5     | 1,190   |
| Hickory St. Drainage Canal | 1/1/95            | 8/31/03  | 3166 | 12.3                        | 0.0     | 442     |
| South Prong                | 1/1/95            | 12/31/10 | 5845 | 95.9                        | 3.0     | 2,660   |
| North Prong                | 1/1/95            | 12/31/10 | 5845 | 47.6                        | 5.5     | 2,520   |
| Fellsmere Canal            | 1/1/95            | 12/31/10 | 5845 | 89.6                        | 9.5     | 1,600   |

A graphical summary of seasonal variability in discharges from the gauged tributaries is given on Figure 3-5. The highest discharges from the gauged tributaries appear to occur during the months from October-January which reflect flow conditions at the end of the wet season and when soil storage has reached an annual maximum. During relatively dry portions of the year from February-May, discharges from the gauged tributaries primarily reflect drawdown of the accumulated water table. The lowest stream discharges appear to occur during June which reflects the end of the dry season and the onset of wet season conditions. Discharges begin to increase in July, reaching peaks during the fall and early-winter conditions.

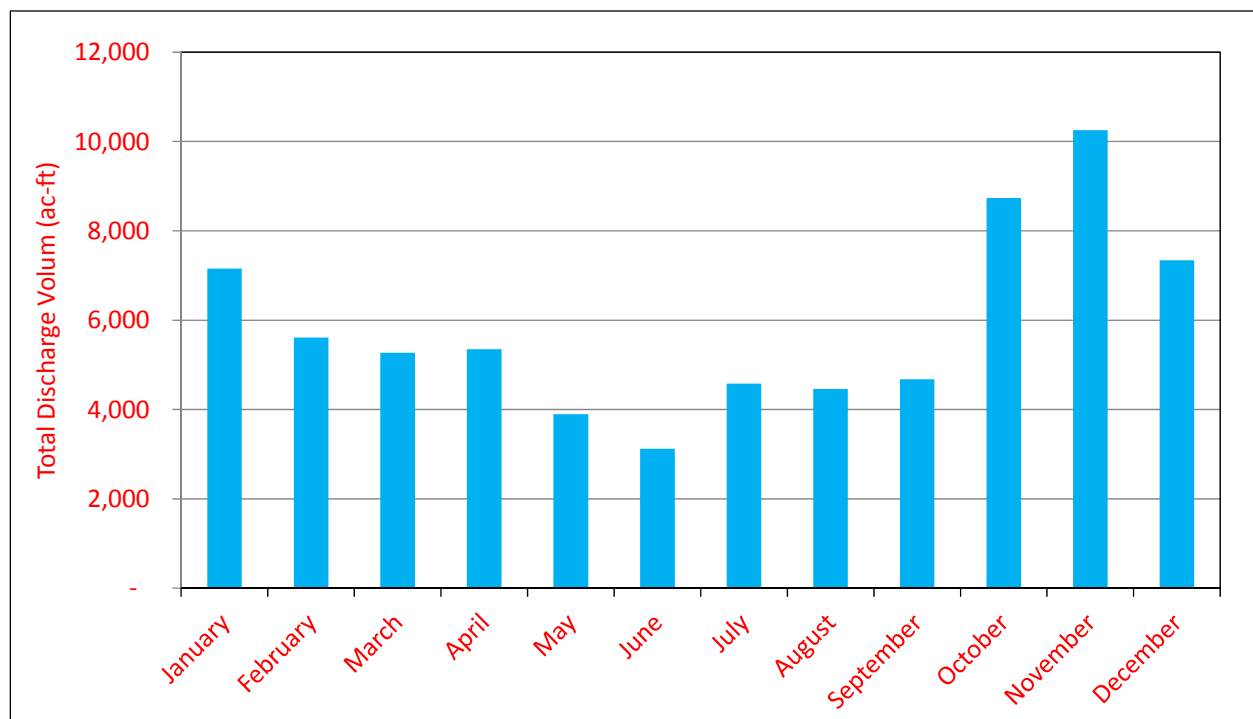


Figure 3-5. Seasonal Variability in Discharges from the Gauged Tributaries.

### 3.1.3 Baseflow Separation

To calibrate the SWIL model for surface runoff and baseflow estimates, the monitored stream flow had to be separated into discharges related to surface runoff and baseflow. Several graphical methods are available to quantify baseflow between defined starting and ending points (Chow, et al., 1988). However, these methods are not very efficient when separating baseflow for long time periods. Also, these subjective techniques can result in inconsistent results, even with the same flow data. A digital filter method originally developed for signal analysis and processing (Lyne and Hollick, 1979) has been adapted to hydrograph separation where surface runoff (high frequency signals) is separated from baseflow (low flow signals). Nathan and McMahon (1990) found that the recursive filter method is more stable, reproducible, and objective than other methods. Based on its ease of use, the Web-based Hydrograph Analysis Tool (WHAT) system, developed at Purdue University (Lim and Engel, 2004), was selected to perform the digital filtering for hydrograph separation.

WHAT is a web-based hydrograph separation tool hosted by Purdue University that can separate baseflow using three separation methods: (1) the local minimum method (HYSEP); (2) a one-parameter digital filter method (BFLOW); and (3) a two-parameter digital filter method based on a method proposed by Eckhardt (2005). The two-parameter method (Eckhardt, 2005) was selected for the hydrograph separations because it has been shown to most closely match manual baseflow separations (Lim, et al., 2005). The two-parameter digital filter method is calculated as follows:

$$b_t = \frac{(1 - BFI_{\max}) \times \alpha + b_{t-1} + (1 - \alpha) \times BFI_{\max} \times Q_t}{1 - \alpha \times BFI_{\max}}$$

where:

- $b_t$  = the filtered baseflow at the t time step
- $b_{t-1}$  = the filtered baseflow at the t-1 time step
- $BFI_{\max}$  = the maximum value of long term ratio of baseflow to total stream flow
- $\alpha$  = the filter parameter
- $Q_t$  = the total stream flow at the t time step

For the hydrograph separations, the recommended default values of 0.98 for  $\alpha$  and 0.80 for  $BFI_{\max}$  were used. The output from the WHAT hydrologic separations for the five calibration stations is provided in Appendix C. A summary of the separations for surface runoff and baseflow is presented in Tables 3-3 and 3-4, respectively.

**TABLE 3-3**

**SUMMARY OF DAILY SURFACE RUNOFF  
FROM “WHAT” HYDROGRAPH SEPARATIONS FOR THE  
HISTORICAL MONITORING STATIONS**

| STATION                    | MONITORING PERIOD |          | n    | DAILY FLOW STATISTICS (cfs) |         |         |
|----------------------------|-------------------|----------|------|-----------------------------|---------|---------|
|                            | Begin Date        | End Date |      | Mean                        | Minimum | Maximum |
| Crane Creek                | 3/1/03            | 12/31/10 | 2864 | 5.9                         | 0.0     | 1,036   |
| Hickory St. Drainage Canal | 1/1/95            | 8/31/03  | 3166 | 3.6                         | 0.0     | 391     |
| South Prong                | 1/1/95            | 12/31/10 | 5845 | 29.5                        | 0.0     | 1,915   |
| North Prong                | 1/1/95            | 12/31/10 | 5845 | 19.4                        | 0.0     | 2,331   |
| Fellsmere Canal            | 1/1/95            | 12/31/10 | 5845 | 31.0                        | 0.0     | 1,351   |

**TABLE 3-4**

**SUMMARY OF DAILY BASEFLOW FROM  
“WHAT” HYDROGRAPH SEPARATIONS FOR THE  
HISTORICAL MONITORING STATIONS**

| STATION                    | MONITORING PERIOD |          | n    | DAILY FLOW STATISTICS (cfs) |         |         |
|----------------------------|-------------------|----------|------|-----------------------------|---------|---------|
|                            | Begin Date        | End Date |      | Mean                        | Minimum | Maximum |
| Crane Creek                | 3/1/03            | 12/31/10 | 2864 | 14.7                        | 0.0     | 189     |
| Hickory St. Drainage Canal | 1/1/95            | 8/31/03  | 3166 | 8.7                         | 0.0     | 64      |
| South Prong                | 1/1/95            | 12/31/10 | 5845 | 66.4                        | 2.9     | 858     |
| North Prong                | 1/1/95            | 12/31/10 | 5845 | 28.2                        | 5.2     | 306     |
| Fellsmere Canal            | 1/1/95            | 12/31/10 | 5845 | 58.7                        | 9.3     | 434     |

As an example of the runoff/baseflow separation technique, a comparison of runoff and baseflow at the Fellsmere Canal (USGS Station 02251767) from January-February 2011 is given on Figure 3-6. Based upon the WHAT hydrograph separation technique, a relatively constant baseflow of approximately 30-40 cfs is present throughout the 2-month period at the Fellsmere Canal site. Direct runoff resulting from rainfall events occurs in addition to the constant baseflow through the channel. Estimates of baseflow and direct runoff can be obtained by integrating the areas under the baseflow and runoff curves on Figure 3-6.



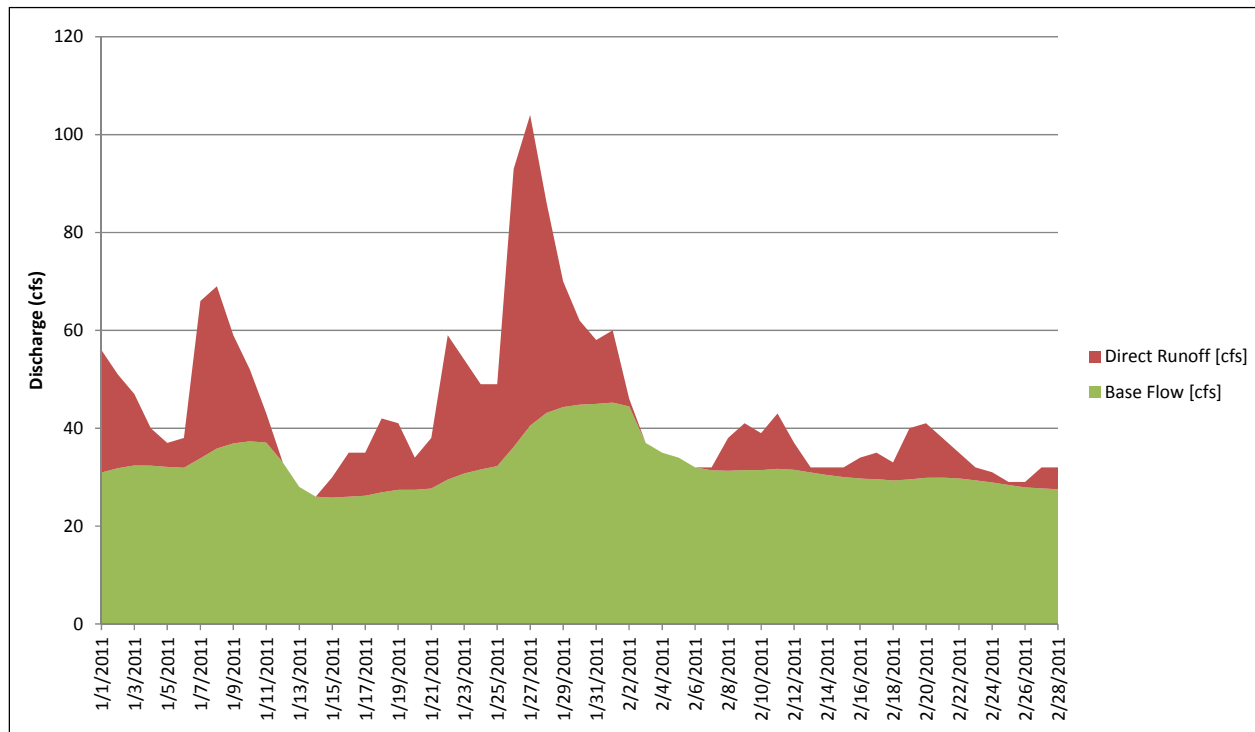


Figure 3-6. Comparison of Runoff and Baseflow at the Fellsmere Canal (USGS Sta. 02251767) from January-February 2011.

Surface runoff and baseflow for the monitoring stations follow a similar pattern to stream flow measurements shown in Figure 3-4. Baseflow accounts for a majority of the total stream flow, ranging between 59-71% of the total stream flow, with a mean of 67% which is very close to the results Tinsley, et al. (2007) found when performing baseflow separation analyses for nine streams across the basin. These analyses showed groundwater contributions of between 54-71% of the total flow (Tinsley, et al, 2007). Mean surface runoff values ranged from 3.6 cfs to 31 cfs for the Hickory Street Drainage Canal and Fellsmere Canal stations, respectively. The North Prong station had the highest daily runoff value of 2,331 cfs. Mean surface runoff values ranged from 8.7 cfs to 66.4 cfs for the Hickory Street Drainage Canal and South Prong stations, respectively. The South Prong station had the highest daily baseflow (858 cfs). Minimum baseflow values range from 0.0 cfs at Crane Creek and Hickory Street to 9.3 cfs for the Fellsmere Canal station. The daily runoff and baseflow values were accumulated as monthly volumes for use in the calibration model.

A tabular comparison of runoff and baseflow discharges at each of the five historical monitoring stations is given in Table 3-5. Summary statistics are provided for mean discharge, baseflow, and runoff over the available period of record for each of the five monitoring sites. Overall, discharges at each of the five sites appear to be dominated by baseflow which contributed 59-71% of the total volumetric discharges on an annual basis. Approximately 29-41% of the annual discharges occurred as a result of direct stormwater runoff. Calculated C values are also provided for both baseflow and runoff in the final columns of Table 3-5. C values were calculated for both baseflow and runoff as a fraction of the annual rainfall volume using the total basin areas and an assumed annual precipitation of 50.03 inches. Calculated annual baseflow C values ranged from 0.205-0.473, indicating that baseflow at the five monitoring sites was equivalent to approximately 21-47% of the average annual rainfall. Runoff coefficients at the five sites ranged from 0.116-0.190, indicating that direct stormwater runoff was equivalent to approximately 12-19% of the total annual precipitation. Overall, approximately two-thirds of the discharge at each site was contributed by baseflow, with one-third by direct stormwater runoff.

TABLE 3-5

**SUMMARY OF THE HYDROLOGIC CHARACTERISTICS OF BASEFLOW  
AND RUNOFF DISCHARGES AT THE SELECTED MONITORING SITES**

| STATION         | BASIN<br>AREA<br>(acres) | MONTHS<br>OF<br>RECORD | MEAN<br>ANNUAL<br>BASEFLOW<br>(ac-ft) | MEAN<br>ANNUAL<br>RUNOFF<br>FLOW<br>(ac-ft) | MEAN<br>ANNUAL<br>TOTAL<br>FLOW<br>(ac-ft) | PERCENT<br>CONTRIBUTION<br>(%) |           | C VALUE      |              |
|-----------------|--------------------------|------------------------|---------------------------------------|---------------------------------------------|--------------------------------------------|--------------------------------|-----------|--------------|--------------|
|                 |                          |                        |                                       |                                             |                                            | Baseflow                       | Runoff    | Baseflow     | Runoff       |
| Crane Creek     | 5,399                    | 94                     | 10,645                                | 4,271                                       | 14,916                                     | 71                             | 29        | 0.473        | 0.190        |
| Hickory Street  | 3,387                    | 104                    | 6,311                                 | 2,598                                       | 8,909                                      | 71                             | 29        | 0.447        | 0.184        |
| South Prong     | 35,593                   | 192                    | 48,127                                | 21,358                                      | 69,485                                     | 69                             | 31        | 0.324        | 0.144        |
| North Prong     | 23,891                   | 192                    | 20,421                                | 14,072                                      | 34,493                                     | 59                             | 41        | 0.205        | 0.141        |
| Fellsmere Canal | 36,325                   | 192                    | 42,500                                | 22,440                                      | 64,940                                     | 65                             | 35        | 0.281        | 0.148        |
| <b>Total:</b>   | <b>104,595</b>           |                        |                                       |                                             |                                            | <b>65</b>                      | <b>35</b> | <b>0.294</b> | <b>0.148</b> |

Using ArcGIS, the monitoring station watershed boundaries were then intersected with land use, hydrologic soil group, and stormwater treatment data files in ArcGIS to create two hydrologic datasets for the calibration model, reflecting Year 2000 and Year 2004 drainage basin characteristics. The GIS files used for the hydrologic dataset were the same files used in the SWIL model for land use. The **LULC\_2000\_v16** and **LULC\_2004\_v15** shape files were used for 2000 and 2004. For hydrologic soil groups, the **Soils\_IRL\_v8** shape file was used in addition to **Treatment\_2000** and **Treatment\_2004**. The 2000 hydrologic data set was used for simulations from 1995-2002, and the 2004 dataset was used for 2003-2010 simulations. Mean monthly rainfall and undeveloped area ET values were calculated as a weighted average for each drainage basin using raster files created for the SWIL model. Percent impervious area and directly connected impervious area were assigned by land use from a look-up table created for the SWIL model. Similarly, C-values were assigned to each unique combination of land use and hydrologic soil group for each month from a lookup table created for the SWIL model.

### 3.1.4 Baseflow Calculations

The SWIL model is based upon a simple hydrologic budget for the IRL watershed which includes runoff, evapotranspiration, and infiltration into shallow groundwater. The SWIL model assumes that all precipitation not lost as a result of runoff or evapotranspiration will eventually enter a tributary which discharges to the IRL or will seep into the IRL directly through shallow groundwater flow. Baseflow was estimated by making two assumptions: (1) that baseflow is defined as the net difference between rainfall minus ET and runoff; and (2) that recharge to the Floridan Aquifer is relatively minor compared to the other components. This definition of baseflow, therefore, includes: (1) direct groundwater discharge to the IRL; (2) groundwater discharge to conveyance systems such as wetlands, ditches, canals or streams; and (3) bleed down of surficial storage.

Because ditches and canals intersect the surficial aquifer over much of the watershed, direct groundwater discharge was assumed to be relatively small. Hydrogeological studies by the U.S. Geological Survey (USGS) have indicated that in the Upper IRL, only 1-5% of interstitial water is composed of meteoric groundwater (Martin, et al., 2002). The least extensively drained area is along the western boundary in a strip running from south of the city of Rockledge to Titusville.

The 2005 Floridan Aquifer recharge map (SJRWMD), shown in Figure 3-7, classifies approximately 96% of the IRL watershed as a net discharge area. Recharge to groundwater from the watershed is limited to a narrow strip along the Atlantic Ridge starting near Cocoa, running to the northern extent of the watershed and down the eastern boundary to the Volusia-Brevard County line. The mean recharge for land area along this strip is approximately 1.6-3.7 inches per year, assuming that areas classified as discharge equal zero recharge. The confining unit between the Floridan and the surficial aquifers is composed primarily of the Hawthorn Formation (Provanha, et al., 1992). In the northern IRL, the Hawthorn Formation is not very thick, allowing the Floridan Aquifer to discharge directly to the surficial aquifer during the dry season (Toth, 1987).

Baseflow (B) can be approximated by the change in storage ( $\Delta S$ ), if the time step  $i$  is long enough to sufficiently factor in seasonal variations for ET and rainfall (P). However, the SWIL model uses a monthly time step. This requires that  $\Delta S$  be calculated first (shown in Equation 3-1) and then have a lag factor applied to the storage (S) in order to estimate monthly baseflow.

$$\Delta S_i = P_i - ET_i - R_i \quad (3-1)$$

where:

|              |   |                                                   |
|--------------|---|---------------------------------------------------|
| $\Delta S_i$ | = | Change in storage for month $i$ ( $m^3$ )         |
| $P_i$        | = | Rainfall volume for month $i$ ( $m^3$ )           |
| $ET_i$       | = | Evapotranspiration volume for month $i$ ( $m^3$ ) |
| $R_i$        | = | Runoff volume for month $i$ ( $m^3$ )             |

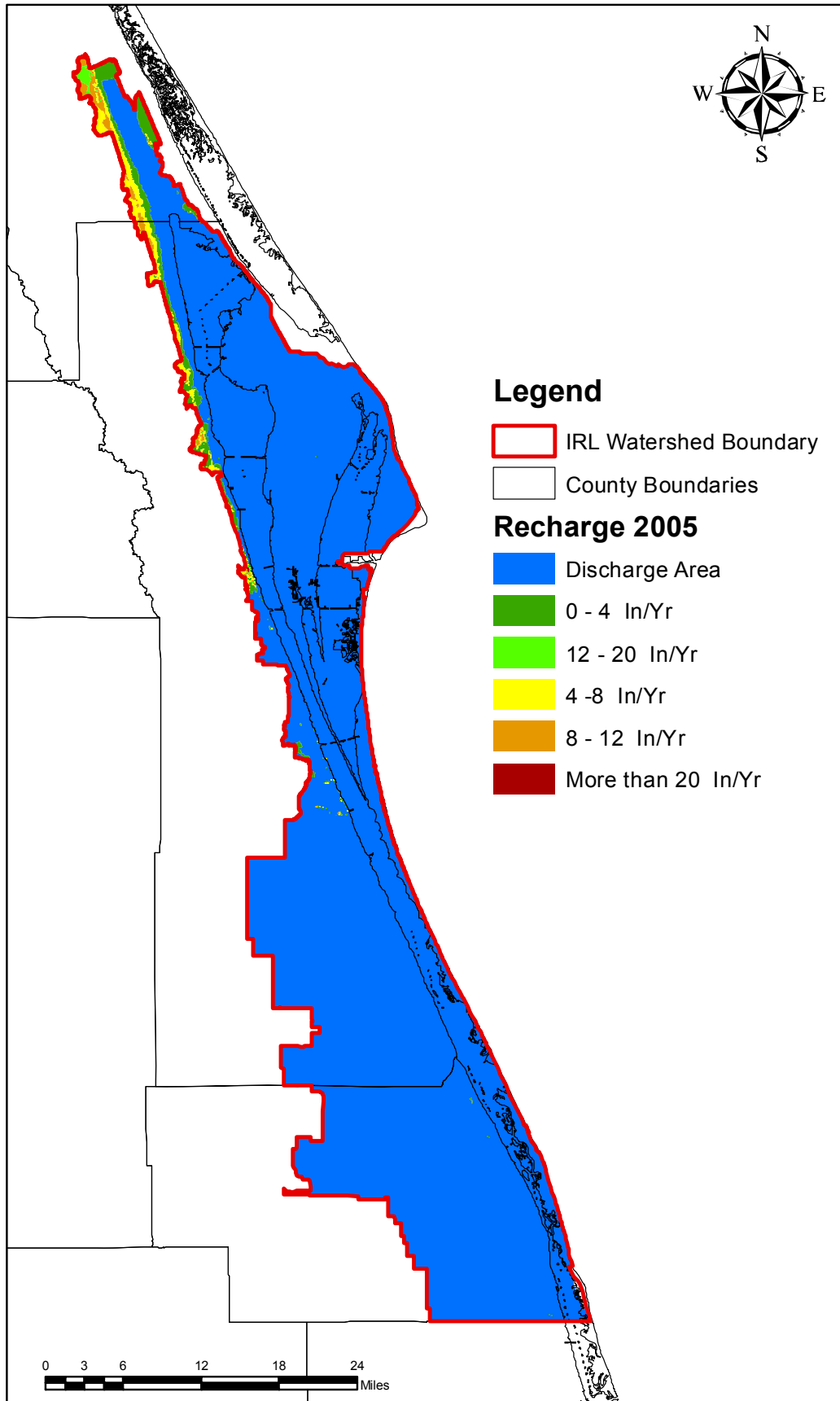


Figure 3-7. Estimated Annual Floridan Aquifer Recharge for the IRL Basin.  
(SJRWMD, 2005)

Monthly storage ( $S_i$ ) is calculated by adding  $\Delta S_i$  for the given month storage volume from the previous month storage ( $S_{i-1}$ ) minus baseflow losses for the previous month ( $B_{i-1}$ ) as shown in Equation 3-2.

$$S_i = S_{i-1} + \Delta S_i - B_{i-1} \quad (3-2)$$

where:

|              |   |                                                        |
|--------------|---|--------------------------------------------------------|
| $S_i$        | = | Storage for month $i$ ( $m^3$ )                        |
| $S_{i-1}$    | = | Storage for the previous month $i-1$ ( $m^3$ )         |
| $\Delta S_i$ | = | Change in storage for month $i$ ( $m^3$ )              |
| $B_{i-1}$    | = | Baseflow volume for the previous month $i-1$ ( $m^3$ ) |

Baseflow ( $B_i$ ) is calculated using the lag factor ( $a$ ) and the monthly storage depth ( $d_i$ ). The lag factor is a fraction of the storage volume ( $S_i$ ) and the storage depth ( $d_i$ ) is equal to the storage volume ( $S_i$ ) divided by the segment area, as shown in Equation 3-3. The value for  $a$  was determined empirically during the calibration process to be 0.32 which implies that approximately 32% of the generated baseflow during a given monthly period discharges into surface water during the same monthly period, with the remaining volume bled-down over subsequent months.

$$B_i = a \times d_i \times S_i \quad (3-3)$$

where:

|       |   |                                           |
|-------|---|-------------------------------------------|
| $d_i$ | = | Storage depth for month $i$ (m) = $S_i/A$ |
| $A$   | = | Segment Area ( $m^2$ )                    |

Substituting Equations 3-1 and 3-2 into Equation 3-3 yields Equation 3-4, as follows:

$$B_i = [P_i - ET_i - R_i + S_{i-1} - B_{i-1}] \times a \times d_i \quad (3-4)$$

where:

|           |   |                                                        |
|-----------|---|--------------------------------------------------------|
| $B_i$     | = | Baseflow for month $i$ ( $m^3$ )                       |
| $B_{i-1}$ | = | Baseflow volume for the previous month $i-1$ ( $m^3$ ) |
| $P_i$     | = | Rainfall volume for month $i$ ( $m^3$ )                |
| $ET_i$    | = | Evapotranspiration volume for month $i$ ( $m^3$ )      |
| $R_i$     | = | Runoff volume for month $i$ ( $m^3$ )                  |
| $S_{i-1}$ | = | Storage for the previous month $i-1$ ( $m^3$ )         |
| $d_i$     | = | Storage depth for month $i$ (m)                        |
| $a$       | = | Baseflow lag factor, constant                          |

Equation 3-4 has an iterative component in that the initial  $S_{i=0}$  value is unknown for the initial time step. Therefore, the estimate for  $S_{i=0}$  was set to the mean December  $S$  for the entire simulation period from an initial iteration. Fortunately, this process only required two or three iterations before the  $S_{i=0}$  value reached equilibrium.

A series of computational equations were developed by ERD, based on Equation 3-4, for input into the SWIL model to estimate baseflow volumes on a monthly basis during the model simulation period from 1995-2010. The baseflow calculations are provided uniformly across the IRL watershed based upon the remaining hydrologic component after subtracting runoff and ET from applied monthly precipitation.

The baseflow lag factor ( $\alpha$ ) is assumed to be a constant in the IRL hydrologic model although this factor may vary with changes in precipitation, drainage features, and hydraulic conductivity of the soil. Ideally all those factors would be considered as part of a 3-dimensional groundwater model. However, the goal of the IRL model is to present a basic hydrologic model which reflects inputs over a long time interval. The computational complexity of adding additional input variables may or may not improve the accuracy of the monthly baseflow calculations and appears unnecessary for the model's purpose. However, the total mean annual baseflow volume is independent of these calculations.

### **3.2 Chemical Characteristics of Baseflow**

Since a significant baseflow component has been identified and quantified as an input into the IRL, general chemical characteristics of the baseflow inputs are needed so that loadings can be assigned for these inputs. The most appropriate method to evaluate the characteristics of baseflow inputs into the IRL is to examine chemical characteristics of tributary inflows under hydrologic conditions that primarily reflect baseflow rather than runoff. For the data to be useful, the water quality monitoring site must be located near a gauging station so that the baseflow separation technique can be used to identify periods of baseflow and runoff to allow characterization of collected samples into the appropriate hydrologic regime at the time of collection.

The purpose of the baseflow nutrient analysis is to develop baseflow concentrations that can be extrapolated to the entire IRL system. This analysis recognizes that baseflow reaching the lagoon and monitored at the water quality sites reflects a net baseflow concentration that consists of the actual groundwater concentration reaching the tributaries, removal processes within the tributary, and nutrient release from tributary sediments, where applicable. It should be noted that runoff inputs to the tributaries are also impacted by similar processes, and the tributary runoff concentration should also be viewed as a net value.

An overview of USGS water quality monitoring sites within the IRL watershed which are either at or near tributary gauging stations is given on Figure 3-8. Twenty-nine (29) separate water quality monitoring sites are located within the IRL watershed, primarily in central and southern portions. However, only 14 of the 29 water quality monitoring sites contain useable data for nitrogen concentrations in the gauged tributaries, with only 13 of the 29 sites containing useable water quality data for total phosphorus. In addition, several of the sites are located at different locations on the same tributary. In these cases, the available water quality data from the multiple sites were combined together to form a single data set for these tributaries. Overall, there are 12 unique tributaries which contain useable water quality data for total nitrogen and total phosphorus. These tributary locations are indicated on Figure 3-9.

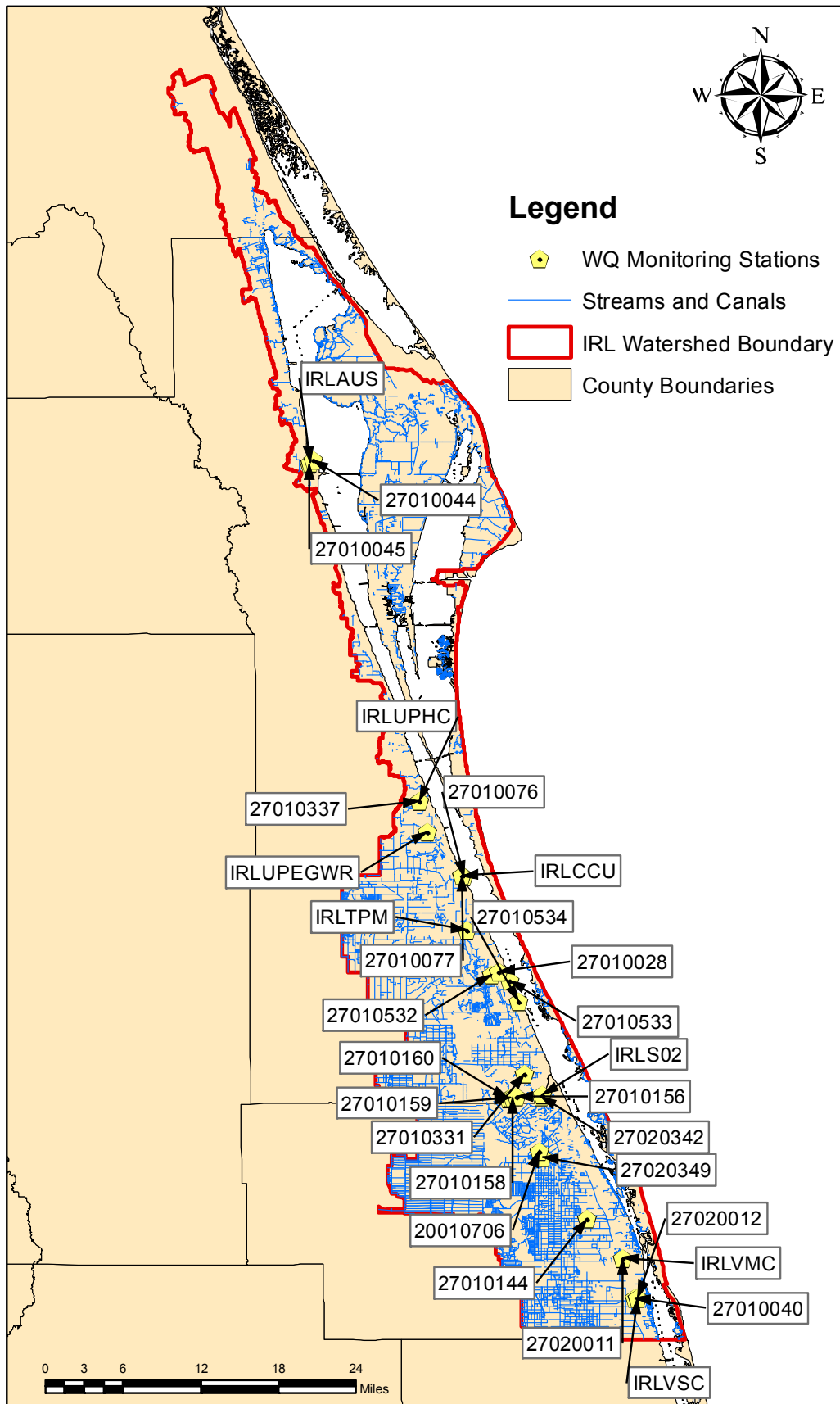


Figure 3-8. Locations of USGS Water Quality Monitoring Sites in Gauged Watersheds.



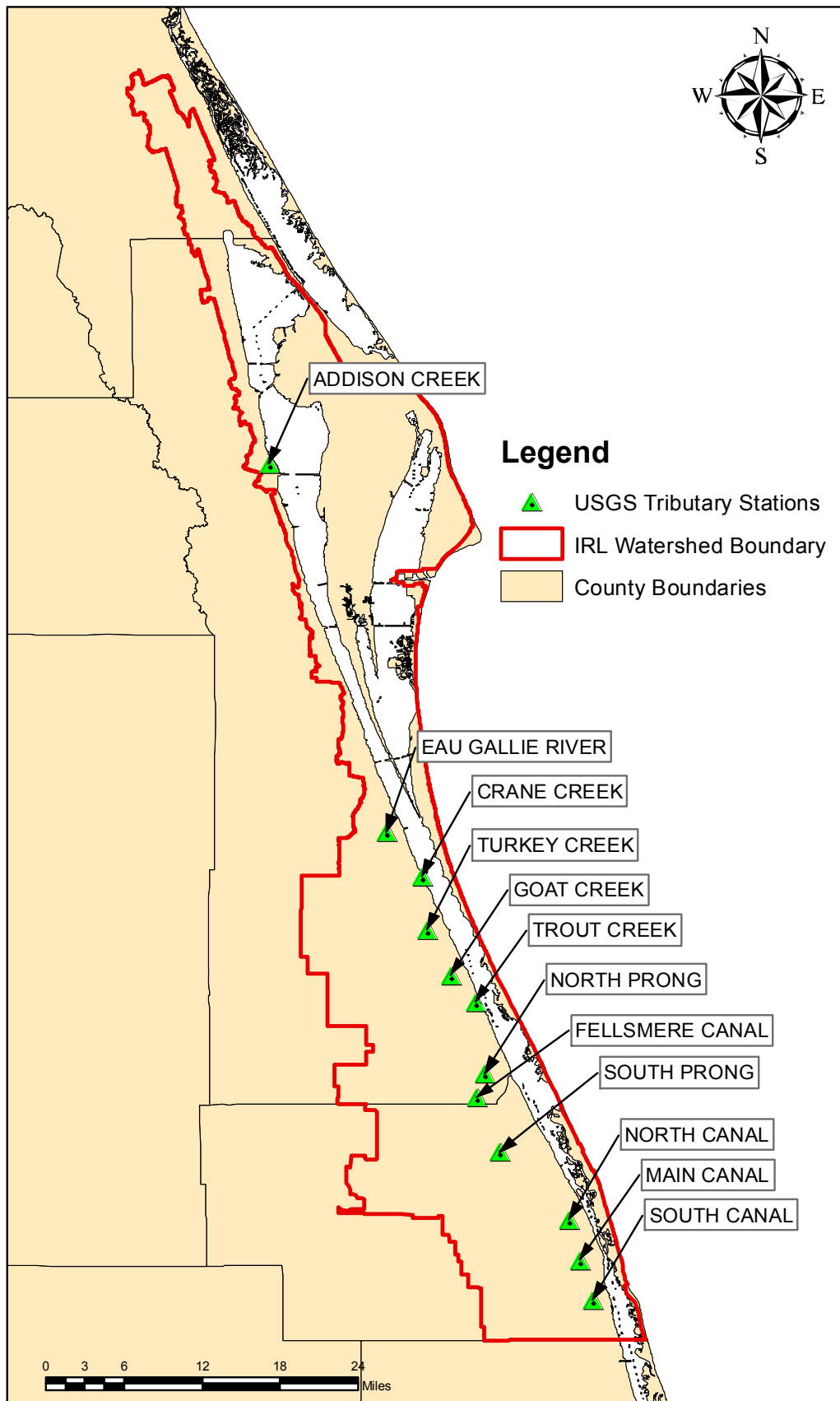


Figure 3-9. Locations of Tributaries with Useable Water Quality Data.

A statistical summary of measured concentrations of total nitrogen in the gauged tributaries is given in Figure 3-10. These data reflect all of the available total nitrogen data without consideration of the particular hydrologic regime which existed at the time of sample collection. Overall, total nitrogen concentrations discharging from the gauged tributaries appear to be relatively similar, with the majority of measured values falling between 0.5-1.25 mg/l. Each of the water quality monitoring sites also appears to exhibit a relatively similar degree of variability in measured concentrations over the available period of record. The only site which appears to exhibit consistently higher total nitrogen concentrations is Addison Creek which consistently has concentrations approximately 40% greater than observed at the other tributary monitoring sites. However, with the exception of these two sites, the remaining sites appear to be very similar with respect to total nitrogen concentrations.

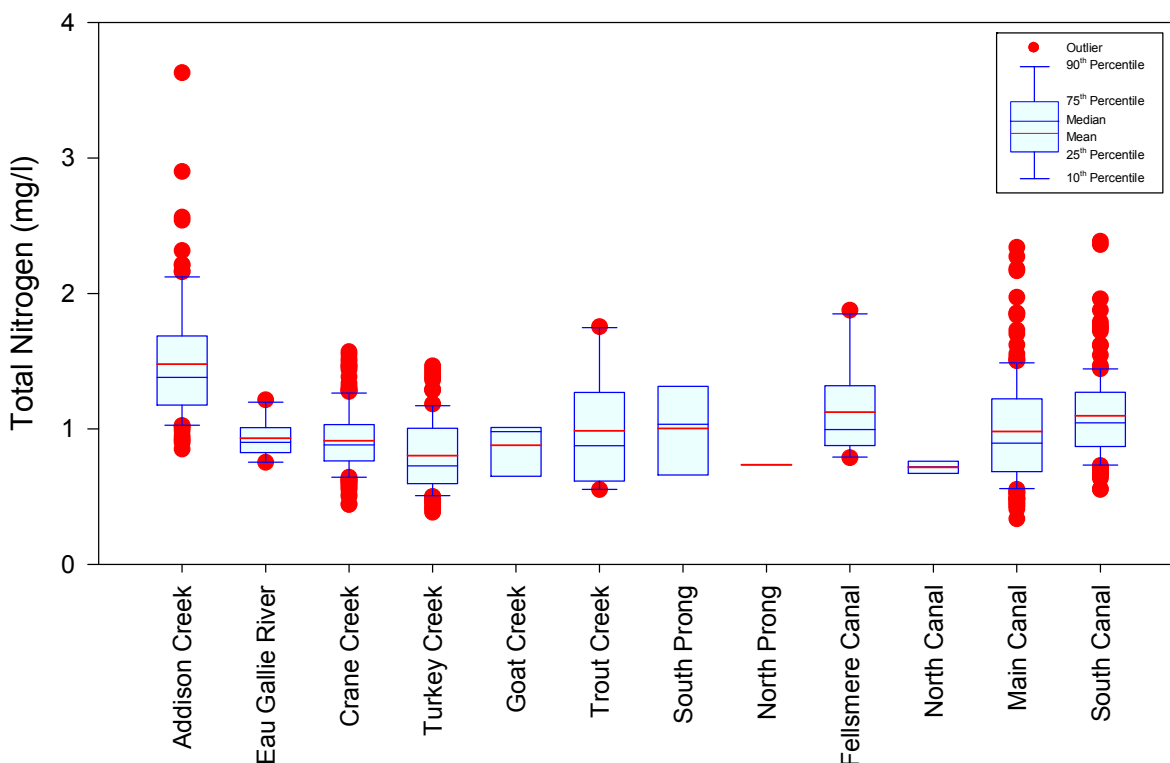


Figure 3-10. Statistical Summary of Measured Nitrogen Concentrations in the Gauged Tributaries.

A statistical summary of measured concentrations of total phosphorus at the gauged tributary sites is given on Figure 3-11. The vast majority of measured total phosphorus concentrations in the gauged tributaries discharging to the IRL appear to range from approximately 0.05-0.18 mg/l. The variability in measured phosphorus concentrations between the monitoring sites appears to be similar to the variability observed for total nitrogen. Substantially lower total phosphorus concentrations were observed at the Turkey Creek, Trout Creek, and Goat Creek sites, with measured concentrations consistently equal to approximately 0.05 mg/l. Slightly greater total phosphorus concentrations were observed at the remaining sites which appear to range from approximately 0.1-0.2 mg/l.

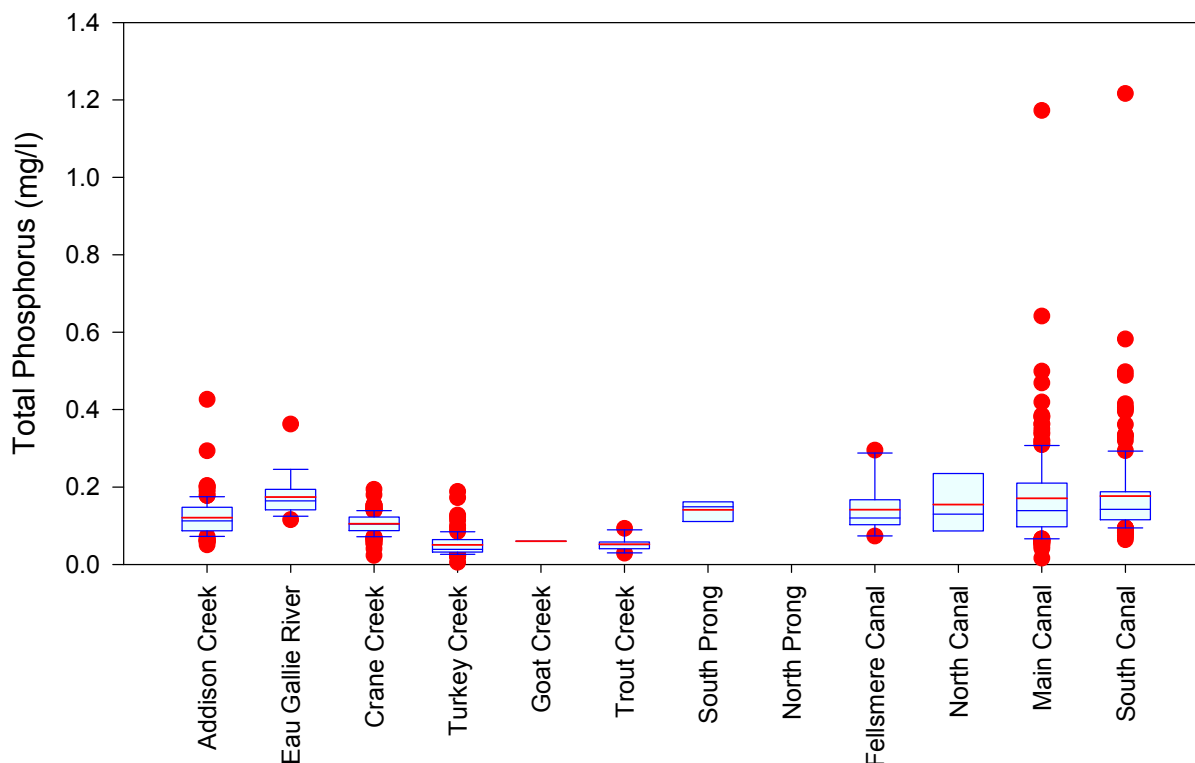


Figure 3-11. Statistical Summary of Measured Phosphorus Concentrations in the Gauged Tributaries.

The data presented previously in Figures 3-10 and 3-11 reflect the combined characteristics for both baseflow and stormwater runoff for each of the available monitoring sites. To obtain estimates of baseflow characteristics alone, an additional review was conducted of the available hydrologic data for each of the USGS water quality monitoring sites to determine if the data are sufficient to allow separation of the tributary discharges into runoff and baseflow components. Several of the monitoring sites contained measurements of stage only without discharge data, and were eliminated from further consideration. Several of the other sites contained a large amount of missing or unavailable data, and these sites were also eliminated. After excluding sites for the reasons mentioned previously, nine tributaries were selected (two of which had multiple water quality monitoring sites) with sufficient hydrologic data to allow separation of baseflow and runoff components.

A tabular summary of available water quality monitoring sites with sufficient hydrologic data is given on Table 3-6. Eleven different monitoring stations are located on the nine listed tributaries, with multiple monitoring sites located within the Main Canal and the South Canal. Locations of the 11 water quality monitoring sites used for separation of baseflow and runoff characteristics by the Station ID Codes summarized in Table 3-6, are indicated on Figure 3-12. For the two waterbodies with multiple water quality monitoring stations (the Main Canal and South Canal), the data from the multiple monitoring sites were combined together to generate a single data set for the Main Canal and South Canal, resulting in a total of nine useable water quality data sets for separation of baseflow and runoff characteristics. Information is provided on Table 3-6 on the range of dates during which water quality monitoring was conducted, along with the total number of analyses conducted for total nitrogen and total phosphorus at each site.

TABLE 3-6

**CHARACTERISTICS OF AVAILABLE WATER QUALITY  
MONITORING SITES WITH BASEFLOW AND RUNOFF DATA**

| WATERBODY        | STATION<br>I.D. | DESCRIPTION                                           | SOURCE | MONITORING<br>PERIOD |                | COUNT<br>OF<br>TOTAL<br>NITROGEN<br>(mg/l) | COUNT<br>OF<br>TOTAL<br>PHOSPHORUS<br>(mg/l) |
|------------------|-----------------|-------------------------------------------------------|--------|----------------------|----------------|--------------------------------------------|----------------------------------------------|
|                  |                 |                                                       |        | Beginning<br>Date    | Ending<br>Date |                                            |                                              |
| Crane Creek      | IRLCCU          | IRL at Crane Creek at US 1                            | SJRWMD | 10/13/97             | 9/14/04        | 71                                         | 71                                           |
| Eau Gallie River | IRLUPEGWR       | IRL at Eau Gallie River upstream at weir              | SJRWMD | 9/9/09               | 1/6/11         | 12                                         | 17                                           |
| Fellsmere Canal  | 27010156        | Fellsmere Canal at 50 m upstream of control structure | FDEP   | 2/22/05              | 8/17/10        | 10                                         | 10                                           |
| Main Canal       | 27020011        | Main relief canal, upstream side of US 1 bridge       | FDEP   | 3/22/05              | 12/5/05        | 6                                          | 6                                            |
|                  | IRLVMC          | IRL at Vero main canal at US 1                        | SJRWMD | 10/13/97             | 12/6/10        | 149                                        | 153                                          |
| North Canal      | 27010144        | North canal at 58 <sup>th</sup> Street bridge         | FDEP   | 2/15/10              | 10/13/10       | 5                                          | 5                                            |
| North Prong      | 27010331        | Sebastian River, north prong at Wilden Road bridge    | FDEP   | 4/26/99              | 4/26/99        | 1                                          | --                                           |
| South Canal      | 27010040        | South canal at Old Dixie Highway                      | FDEP   | 3/22/05              | 12/5/05        | 6                                          | 6                                            |
|                  | IRLVSC          | IRL at Vero south canal at US 1                       | SJRWMD | 10/13/97             | 9/9/09         | 146                                        | 148                                          |
| South Prong      | 20010706        | Sebastian Creek south at SR 512                       | FDEP   | 3/12/03              | 10/9/03        | 6                                          | 6                                            |
| Turkey Creek     | IRLTPM          | IRL at Turkey Creek at Port Malabar Road              | SJRWMD | 10/15/03             | 12/6/10        | 73                                         | 78                                           |
| <b>Total:</b>    |                 |                                                       |        | <b>10/13/97</b>      | <b>1/6/11</b>  | <b>485</b>                                 | <b>500</b>                                   |

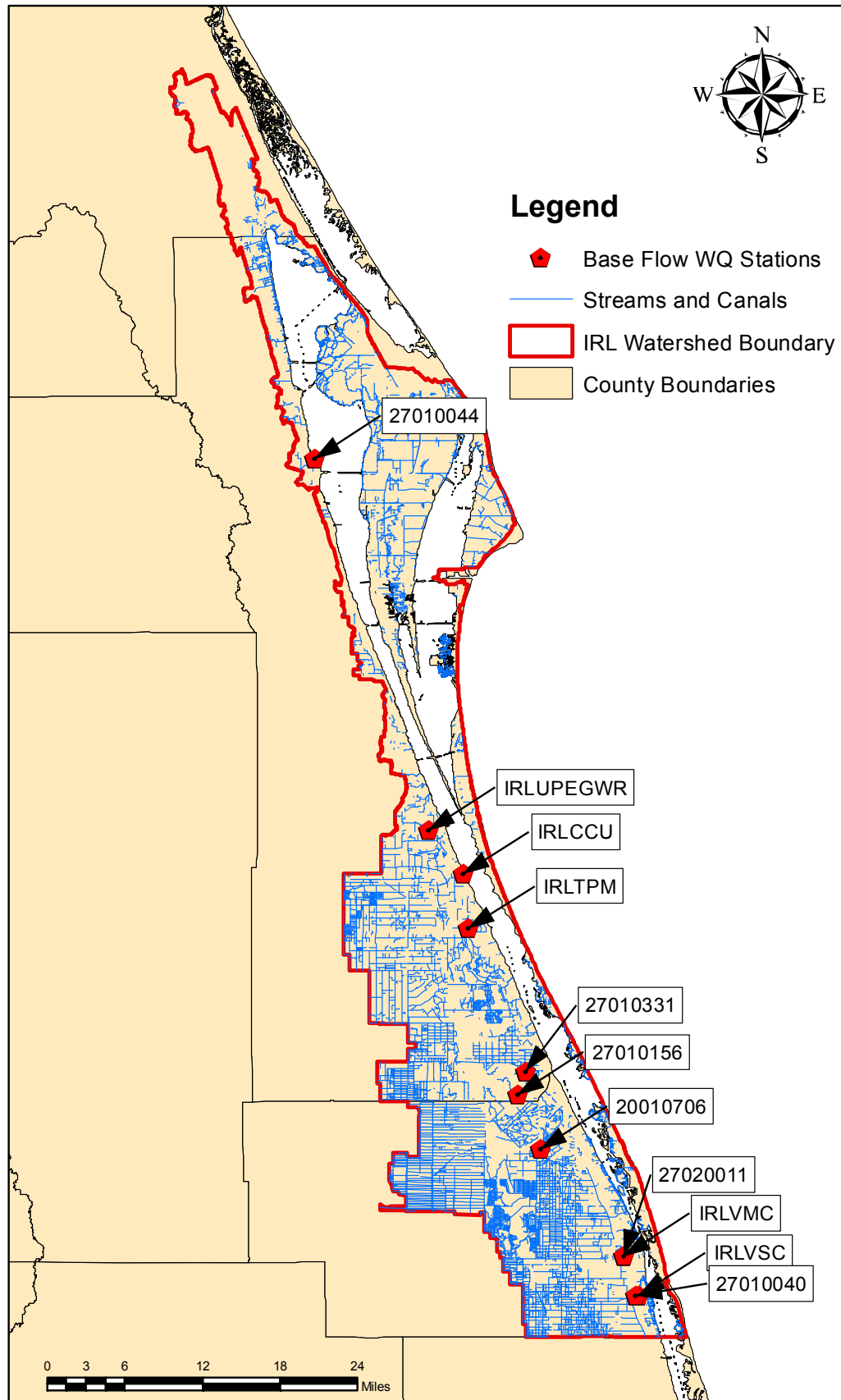


Figure 3-12. Locations of Water Quality Monitoring Sites Used for Separation of Baseflow and Runoff.

The available hydrologic data for each of the nine waterbodies was evaluated at the time of collection for each of the water quality monitoring events. If the tributary discharge contained 75% or more baseflow, then the sample collected at that point in the hydrograph was determined to be a baseflow sample. If stormwater runoff represented 75% or more of the hydrograph at the time of sample collection, then the collected sample was determined to be a runoff sample. Samples collected under hydrologic regimes between these two conditions are assumed to be “mixed” and are not used for purposes of this analysis. The criterion of 75% was selected after reviewing the available baseflow and runoff data resulting from percentages ranging from 75-90%. The use of a selection criterion greater than 75% virtually eliminated the runoff-dominated samples since baseflow is such a significant and constant input.

A statistical comparison of total nitrogen concentrations in runoff and baseflow samples collected at each of the nine waterbodies is given on Figure 3-13. In general, substantially more data appear to be available for baseflow conditions than under stormwater or runoff conditions. Total nitrogen concentrations at each of the nine sites collected under baseflow conditions appear to be relatively similar in value, with the vast majority of measured concentrations ranging from approximately 0.75-1.2 mg/l. Median total nitrogen concentrations at each of the two sites also appear to be very similar in value.

Water quality samples collected under runoff conditions appear to be relatively limited at each of the nine tributary inflows, with useable data available only at three of the nine sites. The majority of measured total nitrogen concentrations in the runoff samples appear to range from approximately 0.9-1.7 mg/l, reflecting a range of values slightly greater than observed under baseflow conditions.

A statistical comparison of total phosphorus concentrations in runoff and baseflow at each of the nine tributary inflows is given on Figure 3-14. Unlike the trend observed for total nitrogen, a somewhat higher degree of variability appears to occur in measured total phosphorus concentrations in baseflow samples collected from the nine tributary inflows. The lowest baseflow total phosphorus concentrations appear to occur at the Turkey Creek tributary site, with concentrations approximately one-third to one-half of values measured at the remaining sites. Relatively similar baseflow concentrations of total phosphorus were measured at the remaining sites, with the exception of slightly higher total phosphorus concentrations observed in the Eau Gallie River and North Canal. With the exception of Turkey Creek, measured concentrations of total phosphorus in baseflow ranged from approximately 0.08-0.3 mg/l during a majority of the monitoring events.

Very little useable total phosphorus data were collected during primarily runoff conditions. Only three sites contained sufficient data to allow a comparison between stormwater and baseflow conditions. Total phosphorus concentrations in baseflow and stormwater measured at the Crane Creek and Main Canal sites appear to be similar in value. A slightly higher total phosphorus concentration appears to occur in stormwater samples collected from the South Canal compared with baseflow collected at the same location.

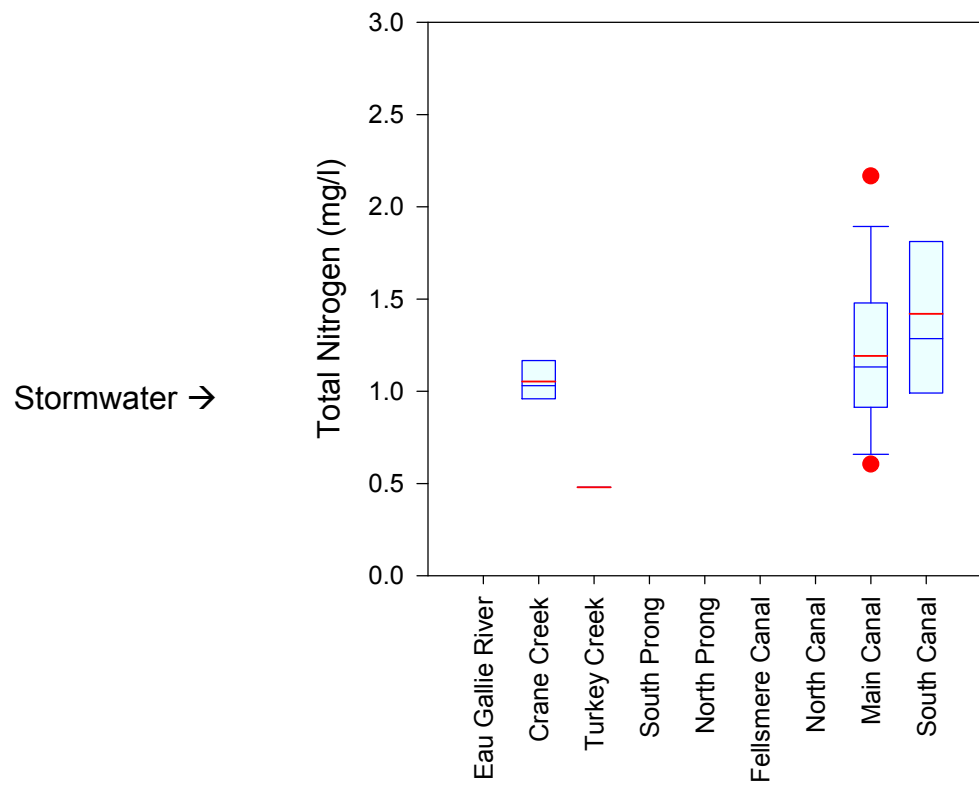
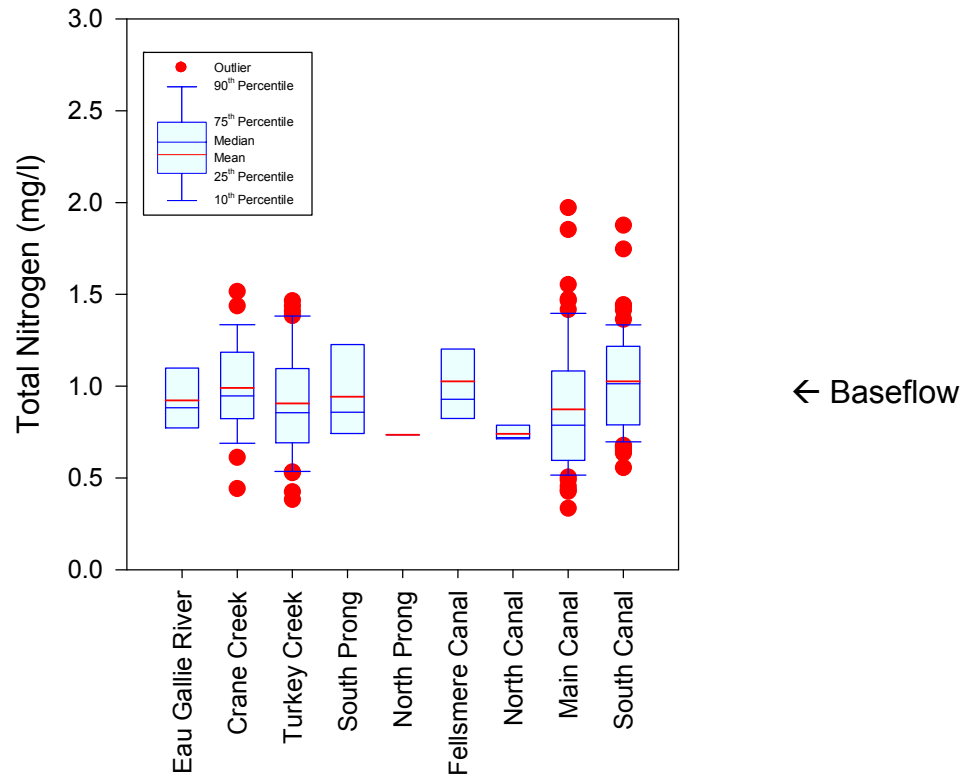


Figure 3-13. Statistical Comparison of Total Nitrogen Concentrations in Runoff and Baseflow.



A statistical summary of baseflow characteristics for total nitrogen and total phosphorus at the nine tributary inflow sites is given in Table 3-7. Values are provided for the median, mean, and geometric mean value for total nitrogen and total phosphorus at each site. The geometric mean values are probably the most reliable measure of central tendency since the data exhibit a log-normal distribution. Geometric mean values for total nitrogen at the nine tributary inflows range from 0.715-1.082 mg/l, with an overall mean of 0.886 mg/l. The range of values reflected by the geometric means is extremely narrow for environmental data, indicating that the nitrogen concentrations in baseflow samples are very similar between the nine tributary inflow sites.

A somewhat higher degree of variability is apparent in measured geometric mean values for total phosphorus concentrations which range from 0.046-1.068 mg/l. The lowest mean concentration for total phosphorus occurs at the Turkey Creek monitoring site, with a geometric mean of 0.046 mg/l. If this data point is excluded, the remaining geometric mean values are extremely close in value, ranging from 0.112-0.168 mg/l. The overall geometric mean for total phosphorus concentrations is 0.122 mg/l.

Based upon the analyses discussed previously, and the information summarized in Table 3-7, ERD recommended that a mean concentration of 0.886 mg/l be assigned for total nitrogen in baseflow discharging from tributaries within the IRL watershed. Similarly, a mean total phosphorus concentration of 0.122 mg/l is recommended for phosphorus concentrations in tributaries discharging into the IRL.

**TABLE 3-7**  
**STATISTICAL SUMMARY OF BASEFLOW**  
**CHARACTERISTICS AT THE NINE TRIBUTARY INFLOWS**

| STATION<br>NAME  | TOTAL NITROGEN<br>(mg/l) |              |                   | TOTAL PHOSPHORUS<br>(mg/l) |              |                   |
|------------------|--------------------------|--------------|-------------------|----------------------------|--------------|-------------------|
|                  | Median                   | Mean         | Geometric<br>Mean | Median                     | Mean         | Geometric<br>Mean |
| Eau Gallie River | 0.900                    | 0.931        | 0.921             | 0.165                      | 0.174        | 0.168             |
| Crane Creek      | 0.937                    | 0.962        | 0.931             | 0.111                      | 0.114        | 0.112             |
| Turkey Creek     | 0.750                    | 0.817        | 0.775             | 0.041                      | 0.053        | 0.046             |
| South Prong      | 1.034                    | 1.004        | 0.922             | 0.149                      | 0.141        | 0.139             |
| North Prong      | 0.735                    | 0.735        | 0.735             | --                         | --           | --                |
| Fellsmere Canal  | 0.995                    | 1.124        | 1.082             | 0.120                      | 0.142        | 0.130             |
| North Canal      | 0.720                    | 0.717        | 0.715             | 0.130                      | 0.155        | 0.137             |
| Main Canal       | 0.905                    | 0.992        | 0.919             | 0.144                      | 0.174        | 0.146             |
| South Canal      | 1.044                    | 1.096        | 1.054             | 0.143                      | 0.177        | 0.156             |
| <b>Total:</b>    | <b>0.905</b>             | <b>0.931</b> | <b>0.886</b>      | <b>0.136</b>               | <b>0.141</b> | <b>0.122</b>      |

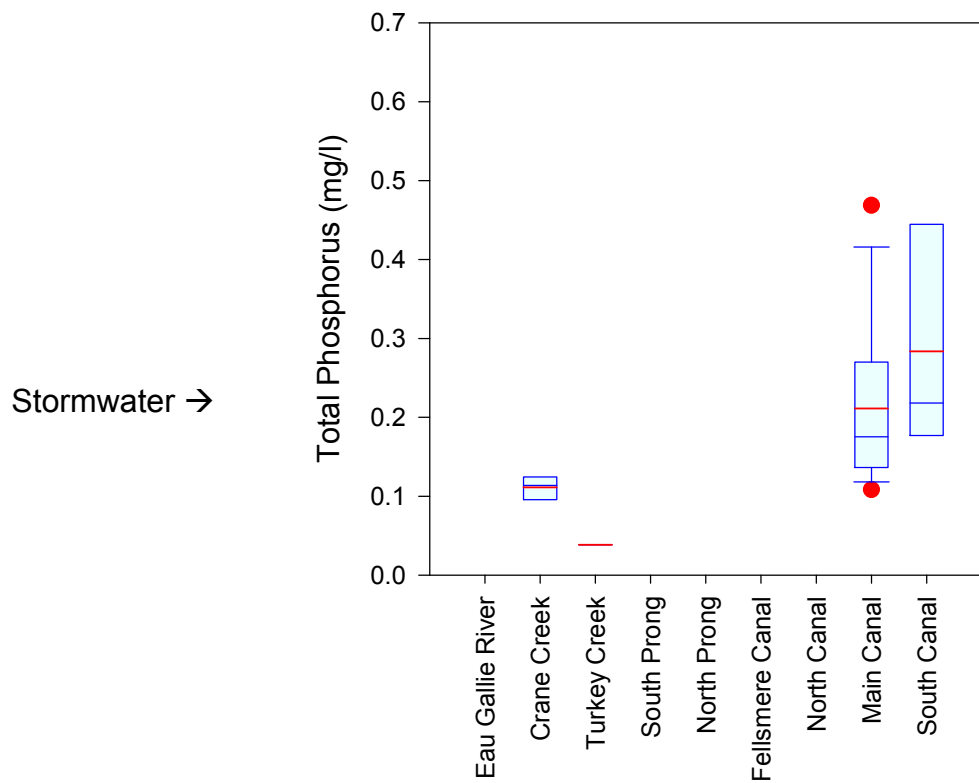
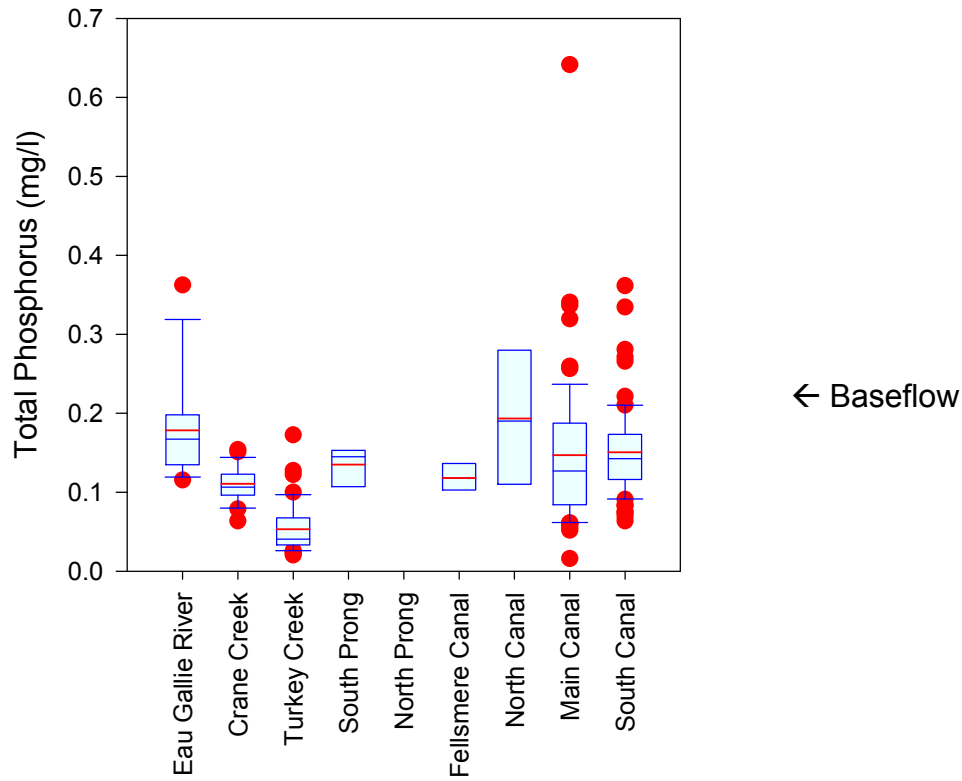


Figure 3-14. Statistical Comparison of Total Phosphorus Concentrations in Runoff and Baseflow.

## SECTION 4

### SWIL MODEL CALIBRATION

A calibration study was conducted by ERD to optimize the hydrologic parameters used in the SWIL model. The calibration focuses on three different components of the SWIL model: (1) the parameters used for ET estimation; (2) an evaluation of calculated C-values for various land uses; and (3) the estimation of the baseflow lag factor discussed in Section 3. The calibration was conducted using the five long-term gauging sites and basins described in Section 3. A detailed description of the hydrologic characteristics of the five basins (referred to as “calibration basins” in this Section) is provided, followed by a discussion of optimization and calibration of the SWIL Model.

#### 4.1 Characteristics of the Calibration Drainage Basins

This section contains a brief description of the hydrologic and land use characteristics for each of the five calibration basins based on GIS data compiled for the SWIL model. Summaries of hydrologic parameters, land use, hydrologic soil groups, and stormwater treatment areas for the five drainage basin areas are given in Tables 4-1, 4-2, 4-3, and 4-4. As a means of comparison in the following discussion, individual basin characteristics are described as percentages of the total basin area. The areas for wetlands, wet flatwoods, hydric hammocks, and wet prairies are collectively referred to as wetlands for this report.

TABLE 4-1

#### SUMMARY OF HYDROLOGIC DATA SET PARAMETERS FOR THE CALIBRATION DRAINAGE BASINS

| BASIN           | TOTAL AREA<br>(acres) | PERCENT IMPERVIOUS AREA<br>(%) |      | PERCENT DCIA<br>(%) |      |
|-----------------|-----------------------|--------------------------------|------|---------------------|------|
|                 | 2000                  | 2000                           | 2004 | 2000                | 2004 |
| Crane Creek     | 5,464                 | 37                             | 38   | 22                  | 23   |
| Hickory Street  | 3,443                 | 26                             | 30   | 15                  | 17   |
| South Prong     | 35,899                | 5                              | 4    | 2                   | 1    |
| North Prong     | 23,967                | 4                              | 4    | 2                   | 2    |
| Fellsmere Canal | 36,362                | 3                              | 3    | 1                   | 2    |

**TABLE 4-2**

**SUMMARY OF COMMON CALIBRATION BASIN  
LAND USES AS A PERCENT OF BASIN AREA**

| LAND USE                   | PERCENT LAND USE FOR CALIBRATION BASINS (%) |                |             |             |                 | MEAN (%)  |
|----------------------------|---------------------------------------------|----------------|-------------|-------------|-----------------|-----------|
|                            | Crane Creek                                 | Hickory Street | South Prong | North Prong | Fellsmere Canal |           |
| Medium-Density Residential | 29                                          | 29             | 6           | 4           | 5               | 15        |
| High-Density Residential   | 6                                           | 15             | 0           | 3           | 0               | 5         |
| Commercial                 | 14                                          | 7              | 0           | 0           | 0               | 4         |
| Wetlands / Wet Flatwoods   | 7                                           | 21             | 43          | 14          | 14              | 20        |
| Citrus                     | 1                                           | 0              | 21          | 13          | 48              | 17        |
| <b>Total</b>               | <b>58</b>                                   | <b>73</b>      | <b>70</b>   | <b>34</b>   | <b>68</b>       | <b>61</b> |

**TABLE 4-3**

**SUMMARY OF CALIBRATION BASIN HYDROLOGIC  
SOIL GROUPS AS A PERCENT OF BASIN AREA**

| BASIN           | HYDROLOGIC SOIL GROUP (%) |             |            |             |             |            |
|-----------------|---------------------------|-------------|------------|-------------|-------------|------------|
|                 | A                         | A/D         | B          | B/D         | C/D         | D          |
| Crane Creek     | 8.8                       | 50          | 0.1        | 40          | 0.4         | 0.1        |
| Hickory Street  | 12                        | 23          | 0.0        | 64          | 0.0         | 0.2        |
| South Prong     | 4.3                       | 37          | 0.0        | 7           | 51          | 0.3        |
| North Prong     | 3.1                       | 76          | 0.0        | 15          | 6           | 0.2        |
| Fellsmere Canal | 1.9                       | 33          | 0.0        | 3           | 62          | 0.1        |
| <b>Mean</b>     | <b>6.1</b>                | <b>44.2</b> | <b>0.0</b> | <b>25.8</b> | <b>23.8</b> | <b>0.2</b> |

**TABLE 4-4**

**SUMMARY OF CALIBRATION BASIN STORMWATER  
TREATMENT AS A PERCENT OF BASIN AREA**

| BASIN           | PERCENT OF AREA WITH<br>STORMWATER TREATMENT BY TYPE (%) |            |             |
|-----------------|----------------------------------------------------------|------------|-------------|
|                 | Dry                                                      | Wet        | Total       |
| Crane Creek     | 10.3                                                     | 4.6        | 14.9        |
| Hickory Street  | 13.4                                                     | 13.7       | 27.1        |
| South Prong     | 1.4                                                      | 2.5        | 3.9         |
| North Prong     | 2.7                                                      | 2.2        | 4.8         |
| Fellsmere Canal | 3.5                                                      | 0.2        | 3.7         |
| <b>Mean</b>     | <b>6.3</b>                                               | <b>4.6</b> | <b>10.9</b> |

#### 4.1.1 Crane Creek Drainage Basin

The Crane Creek drainage basin is located in Melbourne. It drains approximately 5,464 acres upstream of the Crane Creek crossing at U.S. 192 and is the second smallest of the calibration basins. The monitoring station is located on a wooden footbridge, approximately 125 ft upstream of U.S. Highway 192. The basin is bounded on the west by I-95, on the south by U.S. 192, and splits the runways of the Melbourne International Airport to the northeast. A map of the Crane Creek drainage basin delineated for calibration purposes is presented in Figure 4-1.

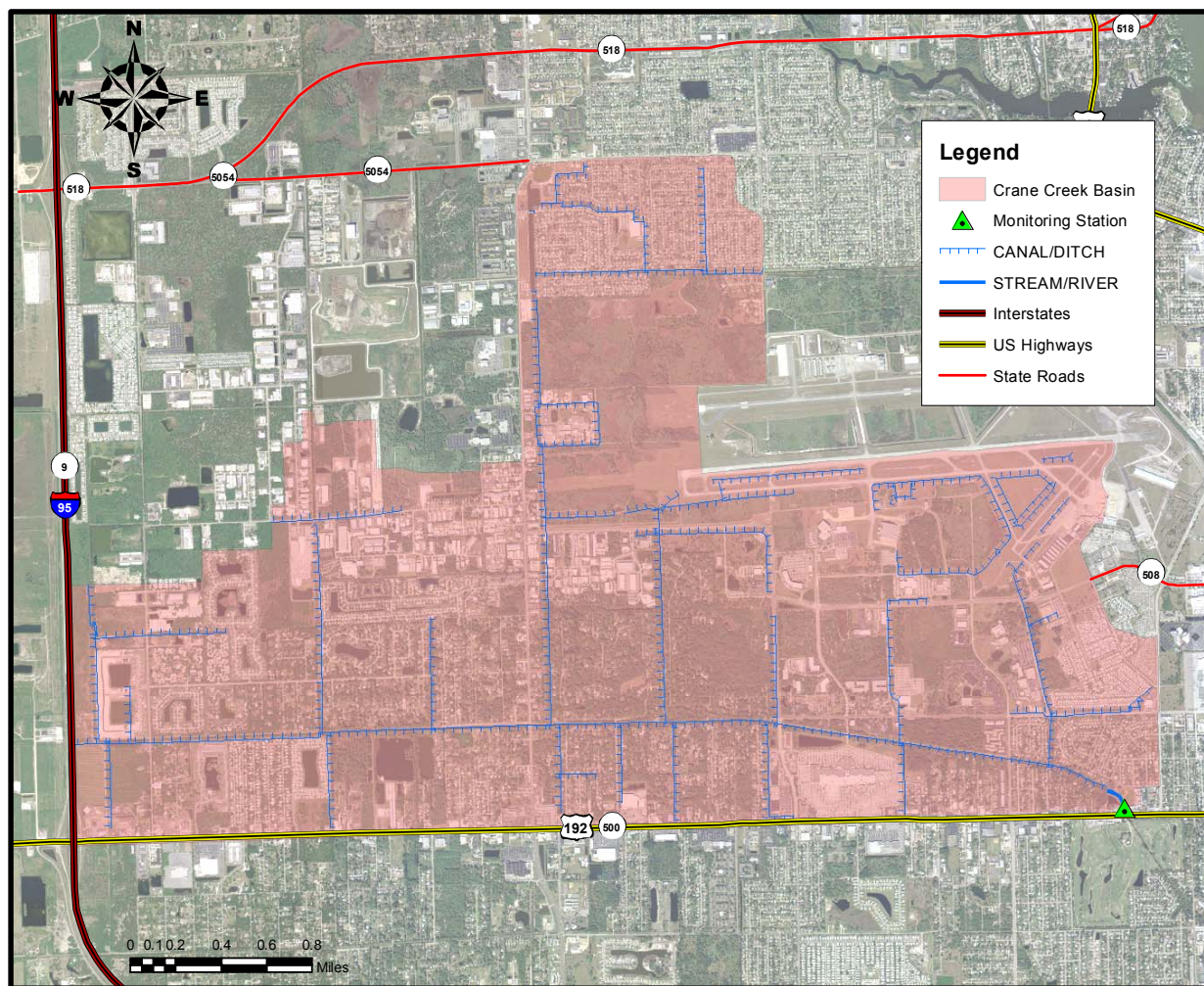


Figure 4-1. Crane Creek Drainage Basin.

Approximately 77% of the Crane Creek drainage basin consists of developed land uses, most of which is medium-density residential (29%), transportation (18%), commercial (14%), and high-density residential (6%). The Melbourne International Airport accounts for 95% of the transportation land use. Approximately 37% of the basin is impervious, with 22% as directly connected impervious area (DCIA). Undeveloped land uses in the basin consist mostly of wetlands (7%), scrub (5%), upland flatwoods (4.5%), and upland mixed (3%). The remaining undeveloped land uses, including citrus and agriculture, are less than 4% of the total land use.



The Crane Creek basin is comprised mostly of HSG A/D (50%), B/D (40%) and A (9%) soils. Approximately 41% and 33% of the HSG A/D and C/D hydrologic soil groups are undeveloped or used for agricultural land use, respectively. Wetlands cover 10% and 4% of the A/D and C/D hydrologic soil groups, respectively.

About 15% of the basin area currently receives stormwater treatment. A little over 10% drains to dry ponds and less than 5% goes to wet ponds. As an areal percentage, the Crane Creek drainage basin received the second most stormwater treatment of the calibration basins.

#### 4.1.2 Hickory Street Drainage Canal

The Hickory Street Drainage Canal drains a mostly urbanized 3,443-acre area of Melbourne into Crane Creek and is the smallest drainage basin used in the calibration. The basin, shown in Figure 4-2, extends from U.S. 192 on the north to Palm Bay Rd on the south.

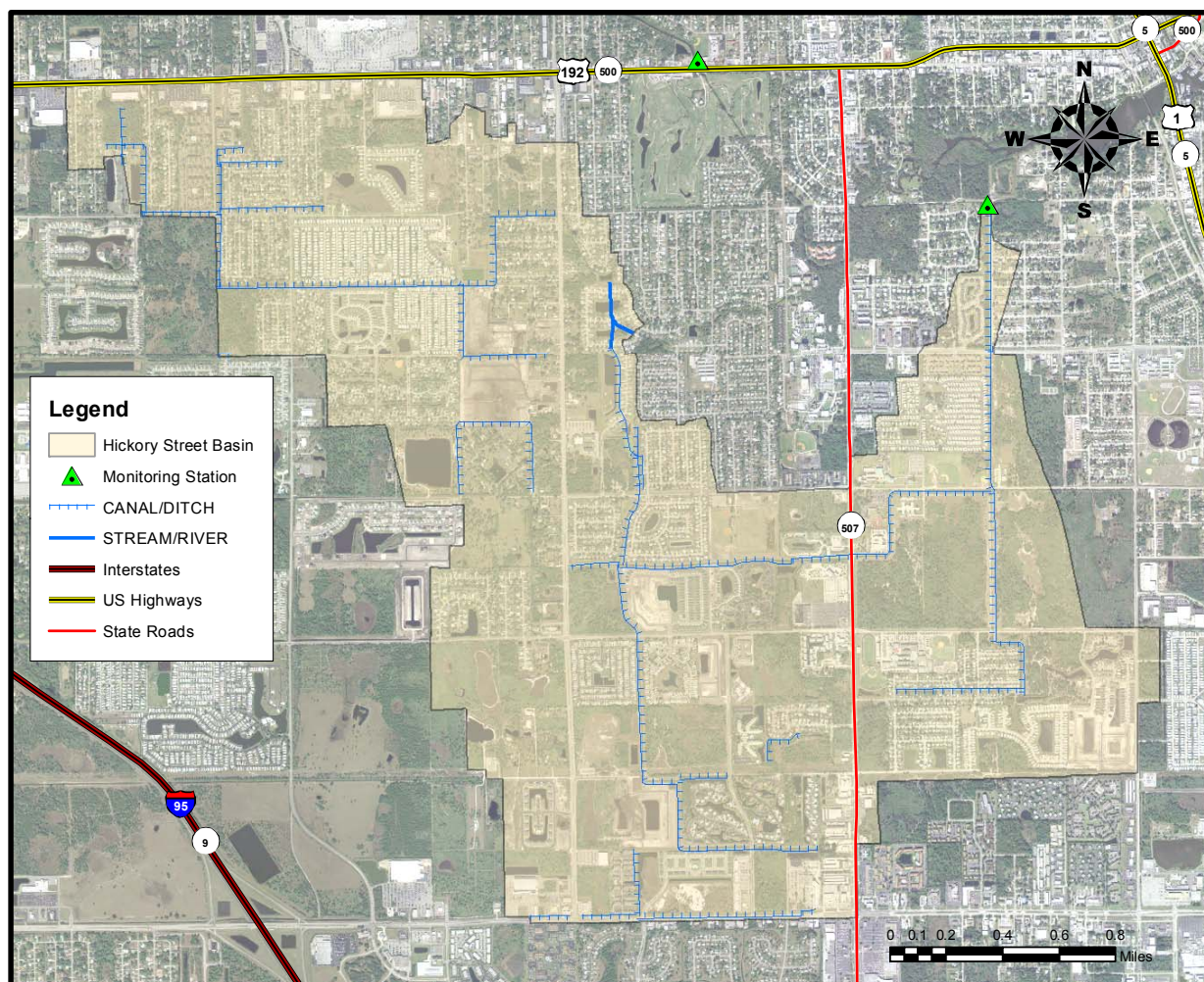


Figure 4-2. Hickory Creek Drainage Basin.

The basin is approximately 63% developed which is less than the Crane Creek basin, but fairly similar if the Melbourne International Airport is excluded. The basin is approximately 28% impervious and 16% DCIA. The developed uses in the drainage basin are primarily medium-density residential (29%), high-density residential (15%), commercial (7%), and institutional (6%). The remaining developed land uses account for about 5% of the total land use. The undeveloped area is predominantly wetlands (14%) and scrub (9%) land use.

Hydrologic soil group B/D covers about 64% of the basin with the remainder consisting of A/D (23%) and A (12%) soils. Soils in the basin have been fairly evenly developed, with current development on approximately 58% of the B/D soils and 65% of the A/D soils. Wetlands occupy approximately 12%, 8%, and 16% of A, A/D and B/D soils, respectively. In the calibration model, as in the SWIL model, wetlands are assigned C-values which assume they are in hydrologic soil group D type soils.

Approximately 27% of the basin receives stormwater treatment which is evenly divided between dry (13.4%) and wet (13.7%) ponds. The Hickory Street Drainage Canal basin had the most overall stormwater treatment, as a percent of basin area, of all the calibration drainage basins.

#### **4.1.3 North Prong Drainage Basin**

The North Prong of the St. Sebastian River drains approximately 23,967 acres located near Micco, Florida. The basin boundary is shown on Figure 4-3. Approximately 91% of the basin is either undeveloped or in agricultural land use. Wetlands make up about 43% of the basin followed by citrus (13%), upland flatwoods (8%), pasture (7%), scrub (6%), and open land (6%). The remaining undeveloped land uses account for less than 7% of the basin area. Only 9% of the basin has developed land uses, mostly located in Micco, Florida. Medium-density and high-density residential are the main developed land uses in the basin, accounting for 3.7% and 3.3% of the total area, respectively. The remaining developed land uses account for less than 2.5% of the total land use.

Soils in the basin belong mostly to hydrologic soil groups A/D and B/D which cover approximately 76% and 15% of the basin, respectively. Hydrologic soil groups A (3%) and C/D (6%) account for the remaining 9%. Approximately 21% of the developed area is on B/D soils, 13% on A, 6% on A/D, and 1% on C/D. Wetlands cover 20% of the A soils, 39% of A/D soils, 62% of the B/D soils, and 60% of the C/D soils. Citrus is grown on less than 6% of the A soils and 17% of the A/D soils in the basin. Stormwater treatment occurs for about 5% of the basin, being nearly evenly split between dry ponds (2.7%) and wet ponds (2.2%).



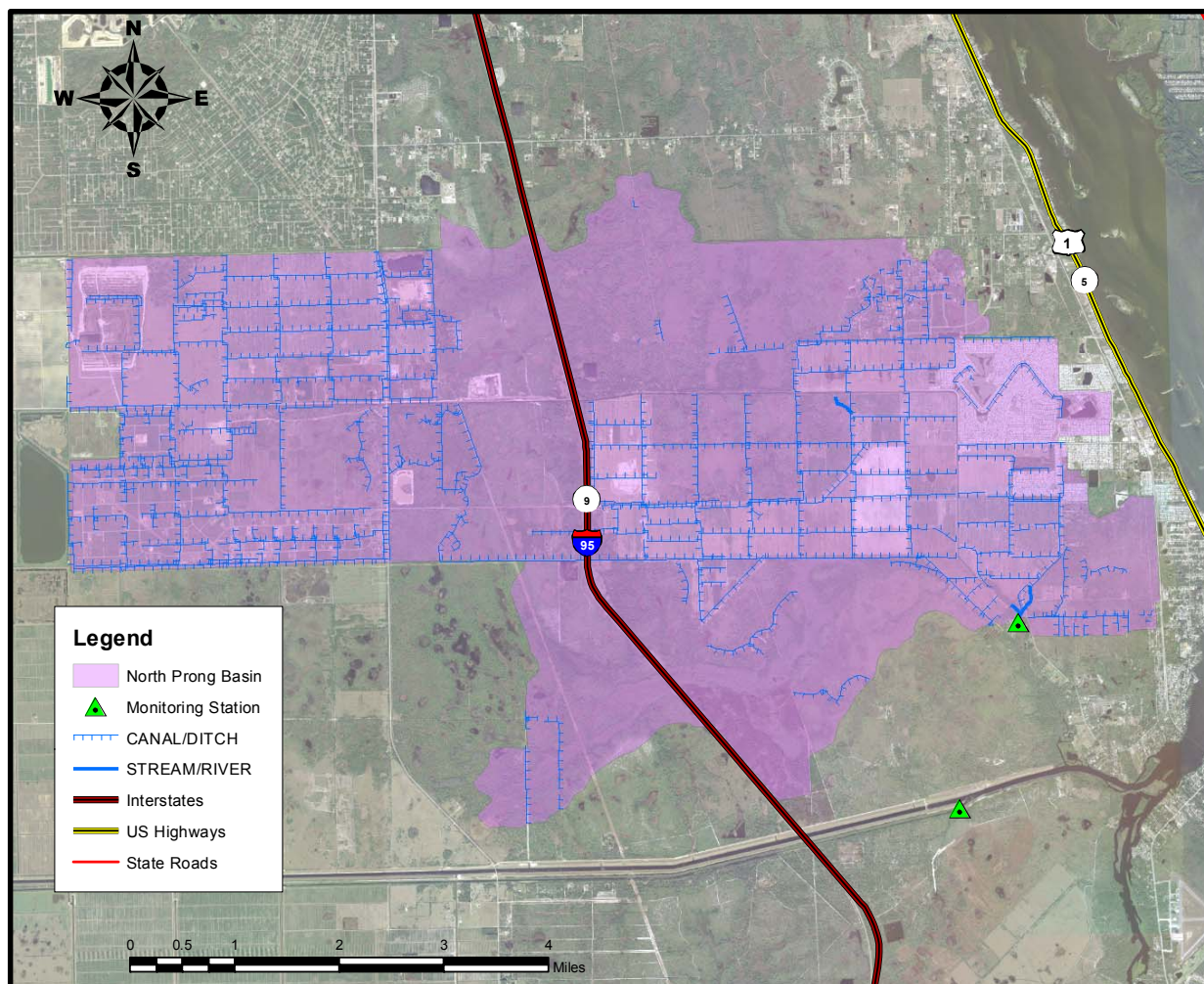


Figure 4-3. North Prong Drainage Basin.

#### 4.1.4 South Prong Drainage Basin

The drainage basin for the USGS monitoring station located on the South Prong of the St. Sebastian River is approximately 35,899 acres and is the second largest of the calibration basins. The basin boundary is shown in Figure 4-4. The northern boundary is formed by S.R. 512 and extends south to about 0.5 mile north of SR 60.

Approximately 83% of the South Prong basin is undeveloped or in agricultural land use, comprised of citrus (21%), wetlands (22%), and pasture (18%). The remaining undeveloped area is made up of scrub (12%) and dry prairie (7%) land uses, with other land uses accounting for about 4%. Approximately 17% of the drainage basin is developed, with most of it located in the northeastern portion of the basin associated with the City of Sebastian. Medium-density and low-density residential areas account for 6% and 7% of the drainage basin, respectively.



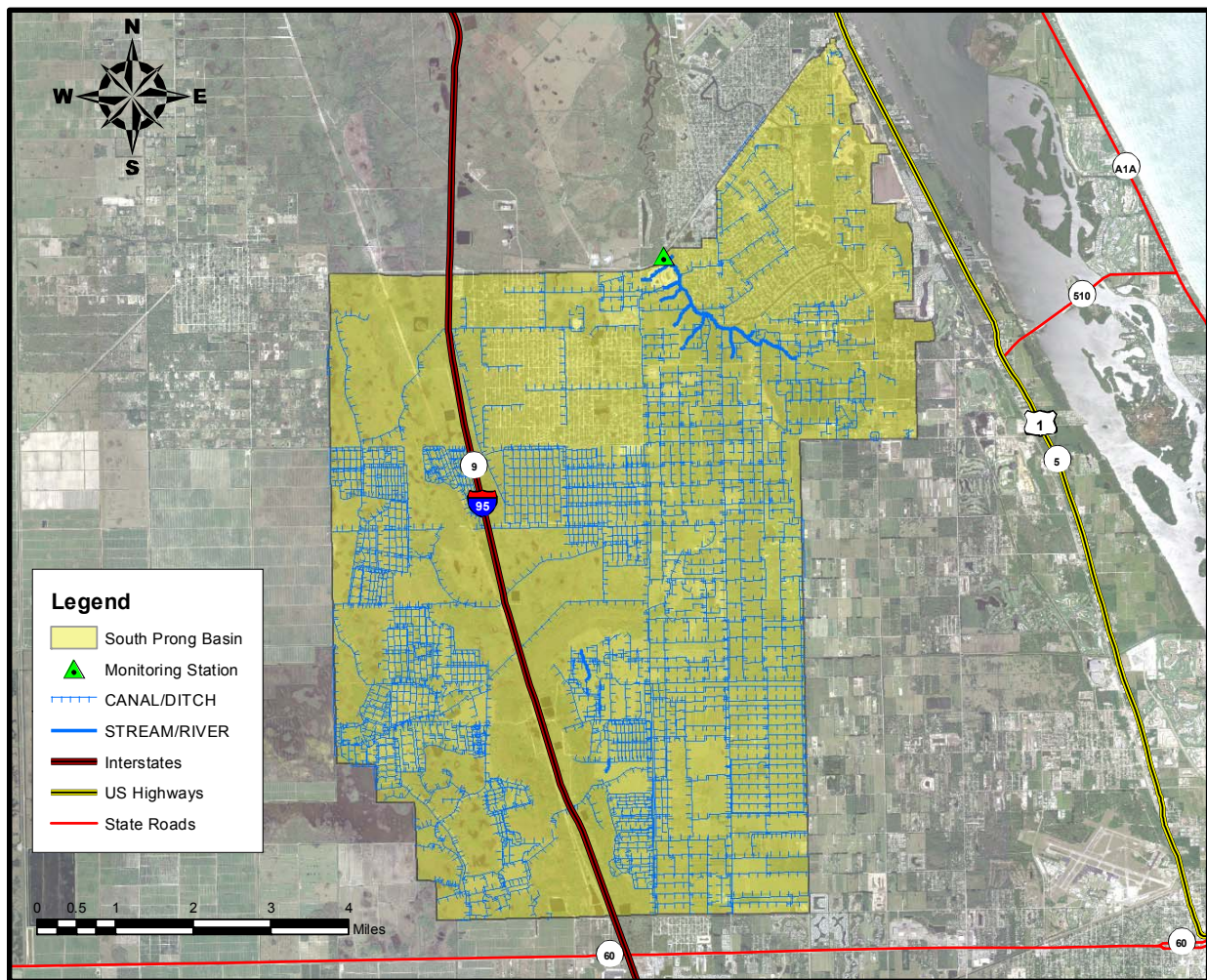


Figure 4-4. South Prong Drainage Basin.

Hydrologic soil groups A/D and C/D account for 37% and 51%, respectively, of the South Prong drainage basin. The remaining area consists of hydrologic soil groups A (4%) and B/D (7%). Hydrologic soil group A is the most developed, with 38% currently developed, followed by A/D (25%), B/D (17%) and C/D (7%). Wetlands account for 25-27% of soil groups A, A/D, B/D, and 18% of the C/D hydrologic soil group. Citrus covers approximately 14% of soil group B/D and 35% of soil group C/D. Approximately 4% of the basin receives stormwater treatment.

#### 4.1.5 Fellsmere Canal Drainage Basin

Fellsmere Canal is an east-west canal that extends 2.6 miles from a levee on the west end to a 60 ft wide fixed height sheet pile weir on the east end. The USGS monitoring station is located approximately 250 ft upstream of the weir which controls discharge to the Sebastian River. The drainage basin for the Fellsmere Canal is approximately 36,362 acres and is the largest of the calibration drainage basins. The drainage basin delineated for the calibration is presented in Figure 4-5.



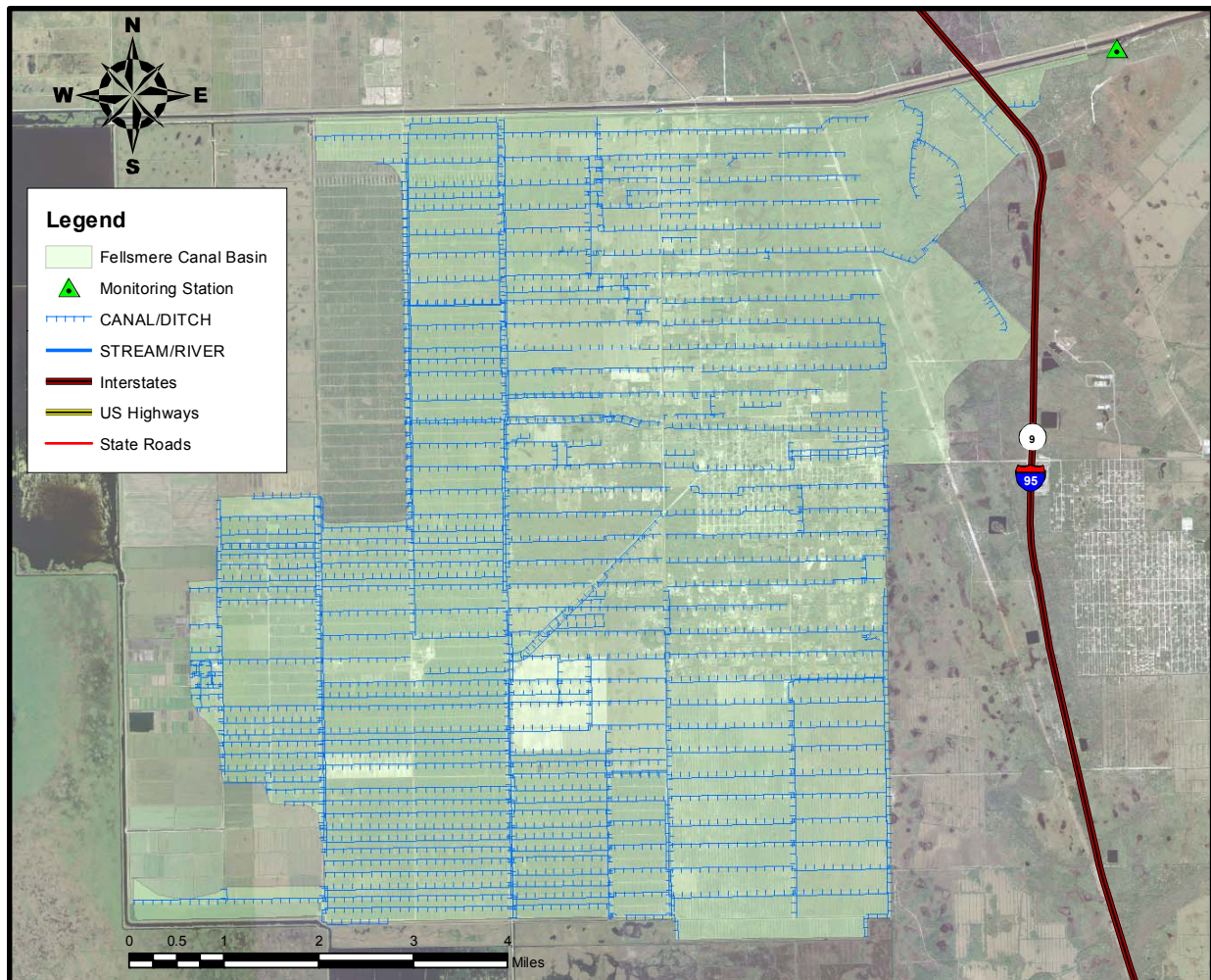


Figure 4-5. Fellsmere Canal Drainage Basin.

Like the North and South Prong drainage basins, the Fellsmere Canal drainage basin consists mostly of undeveloped and agricultural lands which account for 91% of the basin. The major undeveloped land uses in the basin are citrus (48%), wetlands (14%), pasture (11%), and scrub (7%). Medium-density residential is the only significant developed land use in the basin and accounts for 5.5% of the basin area. All other developed land uses account for less than 2.5% of the basin. Only 3% of the basin is impervious.

The vast majority of hydrologic soil groups are C/D and A/D which account for 62% and 33%, respectively, of the soils in the basin. The C/D soils in the basin are 92% undeveloped, with 53% in citrus, 14% pasture and 9% in wetland and wet flatwoods. The A/D soils are 93% undeveloped or agricultural areas. Citrus accounts for 45% of the A/D, and wetlands cover another 23%. Less than 4% of the basin receives stormwater treatment.

#### **4.1.6 Summary**

The drainage area represented by the five calibration basins encompasses approximately 158,000 acres or approximately 31% of the entire IRL watershed. The Crane Creek and Hickory Street drainage basins are much more urbanized than the other basins. The South Prong, North Prong, and Fellsmere Canal basins are mostly rural. Medium-density residential, high-density residential, and commercial land uses make up the largest proportion of the urban basin, and citrus and wetlands are the dominant land uses in the rural basins.

As indicated in Table 4-3, the three most commonly encountered hydrologic soil groups in the calibration basins are A/D, B/D and C/D. Over 76% of the soils in the North Prong basin are HSG A/D. The Crane Creek basin is classified as 50% HSG A/D and 40% as HSG B/D. Soils in the Hickory Street basin are classified as 23% HSG A/D and 64% HSG B/D. Fellsmere Canal and South Prong were mostly HSG C/D soils, covering 62% and 51% of the area, respectively. For the SWIL and calibration model, HSG A/D and B/D soils for undeveloped and agricultural land uses are assumed to belong to hydrologic soil group D, and developed land uses are assumed to be the better drained soil.

The urban drainage basins receive the most stormwater treatment. Approximately 27% of the Hickory Street basin drains to a stormwater treatment system, while 15% of the Crane Creek basin receives stormwater treatment. In the rural drainage basins (North Prong, South Prong, and Fellsmere Canal), stormwater treatment ranges between 4-5%.

### **4.2 Calibration Methods**

#### **4.2.1 Calibration Model**

A simplified spreadsheet version of the SWIL model was developed by ERD for the calibration process. The simplified spreadsheet version minimizes computation time necessary to calculate the many iterations required for the parameter optimization process. The spreadsheet model is computationally identical to the SWIL model. The simplifications involved using single mean weighted monthly values for rainfall and undeveloped pervious area ET for each drainage basin instead of the spatially distributed raster files. Another simplification involved dissolving all the unique combinations of drainage basin, land use, hydrologic soil group, and stormwater treatment together in ArcGIS. By dissolving multiple unique combinations into single values, the number of data lines in the model was reduced from over 56,000 to less than 3,500.

#### **4.2.2 Optimization Parameters**

Typical watershed models compare simulated output to observed data assuming all the error variance lies in the simulated values, but this assumption is clearly invalid due to uncertainties involved in measuring discharge. However, quantifying the error variance in the field data is beyond the scope of this analysis and, therefore, the measured data is assumed to be error free.

Two target statistics, the Nash-Sutcliffe efficiency (NSE) and percent bias (PBIAS), were used to optimize the calibration parameters. The NSE is a normalized statistic that determines the relative magnitude of the residual variance compared to the measured data variance (Nash and Sutcliffe, 1970). NSE indicates how well the plot of observed vs. simulated data fits the 1:1 line. NSE is computed as shown in Equation 4-1:

$$NSE = 1 - \left[ \frac{\sum_{i=1}^n (Y_i^{obs} - Y_i^{sim})^2}{\sum_{i=1}^n (Y_i^{obs} - Y^{mean})^2} \right] \quad (4-1)$$

where:

|             |   |                                  |
|-------------|---|----------------------------------|
| $Y_i^{obs}$ | = | the <i>i</i> th observation      |
| $Y_i^{sim}$ | = | the <i>i</i> th simulated value  |
| $Y^{mean}$  | = | the mean of observed data        |
| $n$         | = | the total number of observations |

NSE ranges between  $-\infty$  and 1.0, with NSE = 1 being the optimal value. Values between 0.0 and 1.0 are generally viewed as acceptable levels of performance, whereas values < 0.0 indicate that the mean observed value is a better predictor than the simulated value, which indicates unacceptable performance.

Percent bias measures the average tendency of the simulated data to be larger or smaller than the observed values (Gupta, et al., 1999). The optimum value of PBIAS is 0.0. Positive values indicate an under-estimated bias and negative values indicate an over-estimated bias (Gupta, et al., 1999). PBIAS is calculated using Equation 4-2:

$$PBIAS = \left[ \frac{\sum_{i=1}^n (Y_i^{obs} - Y_i^{sim}) * (100)}{\sum_{i=1}^n (Y_i^{obs})} \right] \quad (4-2)$$

where PBIAS is the deviation of data being evaluated, expressed as a percentage.

A summary of guidelines for evaluating watershed simulations developed by Moriasi, et al. (2007) is presented in Table 4-5. Values for NSE greater than 0.50 and PBIAS values between -25 and +25 are considered satisfactory for monthly stream flow simulations.

**TABLE 4-5**

**GENERAL PERFORMANCE RATINGS FOR  
MONTHLY STREAM FLOW SIMULATIONS**

| PERFORMANCE<br>RATING | NSE                        | PBIAS                            |
|-----------------------|----------------------------|----------------------------------|
| Very Good             | $0.75 < \text{NSE} < 1.0$  | $\text{PBIAS} < \pm 10$          |
| Good                  | $0.65 < \text{NSE} < 0.75$ | $\pm 10 < \text{PBIAS} < \pm 15$ |
| Satisfactory          | $0.50 < \text{NSE} < 0.65$ | $\pm 15 < \text{PBIAS} < \pm 25$ |
| Unsatisfactory        | $\text{NSE} < 0.50$        | $\text{PBIAS} > \pm 25$          |

Source: Moriasi, et al. (2007).

### **4.3 Calibration of Evapotranspiration (ET)**

As discussed in Section 2, estimates of evapotranspiration were generated using MODUS satellite measurements of the input parameters necessary for calculation of evapotranspiration using the Penman-Monteith Equation. The evapotranspiration estimates were then calculated using the satellite imagery data and assumptions regarding ground cover obtained from high resolution satellite imagery. However, since the calculations for evapotranspiration only provide estimates, an optimization process was conducted to verify that appropriate evapotranspiration values had been used as input into the SWIL model.

The ET calibration was broken into two parts. The first part estimated ET adjustment factors for the three types of ET used by the SWIL model: undeveloped pervious, developed pervious, and impervious area ET values. The second part centered on determining which turf grass provided the best fit for ET values on developed pervious areas and an adjustment factor for developed pervious ET. Since rainfall is assumed to be correct for the basins, an accurate estimation of monthly ET is essential to get an accurate estimation of total stream flow.

Three ET factors were evaluated independently: one for undeveloped pervious areas values, one for developed pervious areas values, and another factor for impervious areas values. The undeveloped pervious ET factor adjusts the satellite-derived ET. The impervious ET factor adjusts the impervious area ET which was assumed to be equal to 0.1 inch of rainfall abstraction for each rain event. The developed pervious ET factor adjusts developed pervious ET values which were assumed to be either Bahia or St. Augustine grass. Calibrated ET values for each of the three areas are determined by multiplying the appropriate monthly ET values by the calibrated constant value.

The three ET factors values were solved individually using the “Solver” add-in in Microsoft Excel. The Solver add-in utilizes an iteration process to find a solution to a target cell by iterating through given cell values. For the ET calibration factors the Solver add-in was set to minimize the absolute percent bias (PBIAS) for measured stream flow vs. the simulated stream flow. Simulated stream flow for the ET calibration was calculated by the difference between rainfall and ET. The mean PBIAS value for stream flow was used as the target cell. PBIAS iterations were performed for the each ET factor until the mean PBIAS value was minimized.

The iterative solutions resulted in linear factors of 0.757, 0.412 and 1.065 for the undeveloped pervious, the developed pervious, and the impervious area ET factors, respectively. The undeveloped pervious ET factor had the largest effect on PBIAS since undeveloped pervious areas make up 84 percent of the tributary watersheds, followed by the developed pervious and impervious ET factors which correspond to 11 and 6 percent of the total area, respectively.

The two turf grasses most commonly used in the IRL watershed are St. Augustine and Bahia grass. Daily ET values for the two grasses are summarized in Table 4-6. The evaporation rate for St. Augustine grass is about one-third higher than Bahia grass. A graphical comparison of monthly ET rates for St. Augustine and Bahia grasses is given on Figure 4-6. Peak ET for both grasses is about equal and occurs in May. However, between November and February, Bahia grass ET is about one-half St. Augustine grass ET.

An initial calibration run was conducted using ET values for Bahia grass which calculated the ET adjustment factors for developed pervious, developed impervious, and undeveloped pervious areas. A second calibration run was conducted to calculate the ET adjustment factor for developed pervious areas using monthly ET values for St. Augustine. These calibrations resulted in ET adjustment factors for Bahia and St. Augustine grass of 0.412 and 0.315 respectively. A summary of the results of this analysis is presented in Table 4-7. When the developed pervious area adjustment factors are applied, the ET values for Bahia and St. Augustine grass are nearly identical for estimating the developed pervious ET. The mean PBIAS for Bahia and St. Augustine grass were -0.33 and -0.36 respectively. Because PBIAS is calculated as the difference between the observed and simulated values (Eqn. 4-2), positive values indicate an under-estimate bias of the model, while negative values indicate an over-estimate. Based on the recommended performance rating values proposed by Moriasi, et al. (2007), the mean PBIAS for both grasses were considered very good as a predictor for developed pervious ET. Because the mean PBIAS was slightly lower using the Bahia grass ET, the Bahia grass ET values were chosen for the initial estimate ET for the developed pervious areas. PBIAS values ranged from -7.70 to 8.70 for Hickory Street and Fellsmere Canals respectively.

#### **4.4 Runoff Volume Calibration**

Runoff volume was calibrated similar to the calibration procedure outlined for ET. However, instead of solving for ET adjustment factors, C-Value factors were calculated for the major land uses in the calibration basins. Five land uses were selected based on their relative prevalence in the basins and are presented as percentages of the total basin area in Table 4-8. The target value for the C-Value optimization factor was the mean absolute runoff PBIAS value.

**TABLE 4-6**

**DAILY EVAPOTRANSPIRATION RATES FOR  
BAHIA AND ST. AUGUSTINE GRASS BY MONTH**

| <b>MONTH</b> | <b>BAHIA GRASS<br/>(inches/month)</b>     | <b>ST. AUGUSTINE GRASS<br/>(inches/month)</b> |
|--------------|-------------------------------------------|-----------------------------------------------|
| January      | 0.89                                      | 1.98                                          |
| February     | 0.96                                      | 2.50                                          |
| March        | 2.34                                      | 3.38                                          |
| April        | 4.28                                      | 4.22                                          |
| May          | 5.15                                      | 5.21                                          |
| June         | 3.91                                      | 4.23                                          |
| July         | 3.82                                      | 4.85                                          |
| August       | 3.48                                      | 4.77                                          |
| September    | 2.96                                      | 3.80                                          |
| October      | 2.28                                      | 3.41                                          |
| November     | 1.70                                      | 2.47                                          |
| December     | 0.99                                      | 1.95                                          |
| Source:      | Jia, et al. (2007)<br>Central Florida, FL | Stewart, et al. (1967)<br>Ft. Lauderdale, FL  |

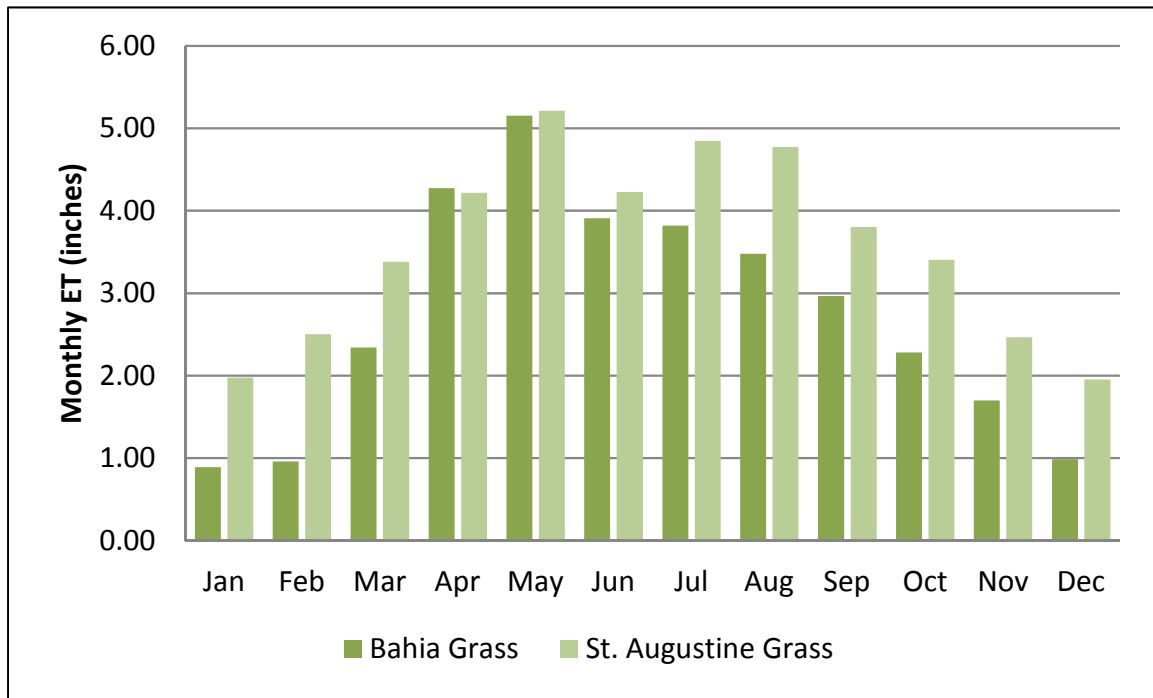


Figure 4-6. Monthly Evapotranspiration Rates for St. Augustine and Bahia Grass.



**TABLE 4-7**

**STATISTICAL COMPARISON OF SIMULATED vs.  
MEASURED STREAM FLOW USING ST. AUGUSTINE  
AND BAHIA GRASS MONTHLY ET VALUES**

| STATION        | PERCENT BIAS (%)    |              |
|----------------|---------------------|--------------|
|                | St. Augustine Grass | Bahia Grass  |
| Hickory Street | -7.74               | -7.70        |
| Crane Creek    | 5.07                | 5.15         |
| South Prong    | -2.81               | -2.78        |
| North Prong    | -5.02               | -5.01        |
| Fellsmere      | 8.69                | 8.70         |
| <b>Mean</b>    | <b>-0.36</b>        | <b>-0.33</b> |

**TABLE 4-8**

**SUMMARY OF COMMON CALIBRATION  
BASIN LAND USES AS A PERCENT OF BASIN AREA**

| LAND USE                   | PERCENT LAND USE FOR CALIBRATION BASINS (%) |                |             |             |                 | MEAN (%)  |
|----------------------------|---------------------------------------------|----------------|-------------|-------------|-----------------|-----------|
|                            | Crane Creek                                 | Hickory Street | South Prong | North Prong | Fellsmere Canal |           |
| Medium-Density Residential | 29                                          | 29             | 6           | 4           | 5               | 15        |
| High-Density Residential   | 6                                           | 15             | 0           | 3           | 0               | 5         |
| Commercial                 | 14                                          | 7              | 0           | 0           | 0               | 4         |
| Wetlands/Wet Flatwoods     | 7                                           | 21             | 43          | 14          | 14              | 20        |
| Citrus                     | 1                                           | 0              | 21          | 13          | 48              | 17        |
| <b>Total</b>               | <b>58</b>                                   | <b>73</b>      | <b>70</b>   | <b>34</b>   | <b>68</b>       | <b>61</b> |

The original NRCS curve number values recommended by ERD for wetland land use categories in the IRL watershed were obtained from the NRCS publication TR-55. Land uses in this category included hydric hammock, wet flatwoods, wet prairies, and wetlands. However, based upon the poor drainage of natural areas within much of the IRL watershed, upland flatwood and upland mixed forests were also included in the general wetland category. A summary of assumed curve number values for the natural areas and wetlands in the IRL watershed is given on Table 4-9. A curve number of 79 is assumed for each of the wetland type land uses based upon recommendations contained in the TR-55 publication. A comparison of monthly minimum, maximum, and mean runoff coefficients obtained for wetland type land uses in the IRL watershed over the simulation period from 1995-2010 using the CN values recommended by the TR-55 publication is given on Table 4-9. Modeled monthly runoff coefficients for wetland type land uses using the TR-55 curve number values range from 0.052-0.225, with an overall annual mean of 0.108. This value implies that approximately 10.8% of the annual rainfall becomes runoff for the wetland type land uses on an average annual basis.

**TABLE 4-9**

**TR-55 RECOMMENDED CN VALUES AND CALCULATED  
MONTHLY C VALUES FOR NATURAL AREAS AND WETLANDS**

| LAND USE         | ASSUMED<br>CN VALUE | MEAN MONTHLY C VALUE |         |       |
|------------------|---------------------|----------------------|---------|-------|
|                  |                     | Minimum              | Maximum | Mean  |
| Hydric Hammock   | 79                  | 0.052                | 0.225   | 0.108 |
| Upland Flatwoods | 79                  | 0.052                | 0.225   | 0.108 |
| Upland Mixed     | 79                  | 0.052                | 0.225   | 0.108 |
| Wet Flatwoods    | 79                  | 0.052                | 0.225   | 0.108 |
| Wet Prairies     | 79                  | 0.052                | 0.225   | 0.108 |
| Wetland          | 79                  | 0.052                | 0.225   | 0.108 |

After reviewing the CN values recommended by ERD for wetland type land uses in the IRL watershed, SJRWMD provided a copy of SJRWMD Technical Publication No. 85-5 which assesses the hydrology of wetland areas in portions of the IRL watershed. This publication recommended substantially higher curve number values than those in TR-55. After reviewing this document, ERD substituted the curve number values recommended in the SJRWMD publication for the previous wetland values obtained from TR-55. A summary of the SJRWMD recommended CN values and calculated monthly runoff coefficients is given in Table 4-10. Using the CN values recommended by SJRWMD, the mean annual runoff coefficients for wetland areas increase by a factor of approximately 2.4-4 times compared with C values obtained using the CN values recommended in the TR-55 publication.

**TABLE 4-10**

**SJRWMD RECOMMENDED CN VALUES BASED  
ON SJRWMD TECHNICAL PUBLICATION NO. 85-5**

| LAND USE         | ASSUMED<br>CN VALUE | MEAN MONTHLY C VALUE |         |       |
|------------------|---------------------|----------------------|---------|-------|
|                  |                     | Minimum              | Maximum | Mean  |
| Hydric Hammock   | 95                  | 0.324                | 0.537   | 0.395 |
| Upland Flatwoods | 90                  | 0.168                | 0.388   | 0.240 |
| Upland Mixed     | 90                  | 0.168                | 0.388   | 0.240 |
| Wet Flatwoods    | 95                  | 0.324                | 0.537   | 0.395 |
| Wet Prairies     | 95                  | 0.324                | 0.537   | 0.395 |
| Wetland          | 95                  | 0.324                | 0.537   | 0.395 |

The SWIL model was run for each of the five calibration watersheds using the wetland land use curve number values recommended by TR-55 and the wetland land use curve numbers recommended in the SJRWMD publication TP 85-5. A comparison of runoff volume estimates based upon the two separate CN values is given in Table 4-11. Mean annual runoff volumes generated by the SWIL model using the TP 85-5 and TR-55 curve numbers for wetland land use types are compared with the field measured discharges at the USGS gauging sites. In general, the use of CN values recommended by TP 85-5 resulted in an over-estimation of runoff volume in each of the five calibration watersheds, ranging from 11.3-77.9%. Use of the TR-55 CN values resulted in an 11.8% over-estimate to a 21.4% under-estimate. Overall, the SJRWMD CN values resulted in a mean over-estimate of 33.8% compared with an 8.7% under-estimate using the TR-55 method.

**TABLE 4-11**  
**COMPARISON OF RUNOFF VOLUME ESTIMATES**  
**BASED ON TR-55 AND TP 85-5 CN VALUES**

| STATION         | MEAN ANNUAL RUNOFF VOLUME<br>(ac-ft) |        |        | PERCENT DIFFERENCE<br>(%) |             |
|-----------------|--------------------------------------|--------|--------|---------------------------|-------------|
|                 | USGS                                 | SJRWMD | TR-55  | SJRWMD                    | TR-55       |
| Crane Creek     | 4,271                                | 5,423  | 4,775  | 27.0                      | 11.8        |
| Hickory Street  | 2,598                                | 3,340  | 2,598  | 28.6                      | 0.0         |
| South Prong     | 21,358                               | 26,569 | 16,782 | 24.4                      | -21.4       |
| North Prong     | 14,072                               | 25,040 | 11,636 | 77.9                      | -17.3       |
| Fellsmere Canal | 22,440                               | 24,977 | 18,745 | 11.3                      | -16.5       |
| <b>Mean:</b>    |                                      |        |        | <b>33.8</b>               | <b>-8.7</b> |

Potential changes to the CN values recommended by TR-55 were evaluated as part of the optimization process for the model. This optimization was conducted by running the SWIL model over the 16-year period of record from 1995-2010 with the TR-55 CN values used to reflect wetland type land uses. The wetland/wet flatwood C-value factor had the most effect on the mean absolute PBIAS value which was reduced from 14.10 to 6.44, a 54% reduction. The factor for citrus had the second largest effect, reducing absolute PBIAS to 8.14, a 42% reduction. None of the remaining land use factors reduced the mean absolute PBIAS by more than 15%. The mean NSE values did not appear to be affected much by the land use C-value factors, ranging from 0.62 for no adjustment factor to 0.65 for wetlands/wet flatwoods. The optimization process indicated that the runoff C value for wetland land uses should be multiplied by a factor of 1.9 to provide a better fit for the overall model (see Table 4-12).

**TABLE 4-12**  
**SUMMARY OF MEAN OPTIMIZATION**  
**STATISTICS FOR COMMON BASIN LAND USES**

| LAND USE                   | FACTOR | NSE  | PBIAS  | ABSOLUTE PBIAS |
|----------------------------|--------|------|--------|----------------|
| Wetland                    | 1.90   | 0.65 | 1.71   | 6.44           |
| Citrus                     | 1.67   | 0.63 | -2.99  | 8.14           |
| Medium-Density Residential | 1.44   | 0.64 | -1.79  | 13.15          |
| High-Density Residential   | 1.68   | 0.63 | -7.58  | 12.29          |
| Commercial                 | 0.81   | 0.61 | -13.46 | 13.48          |
| No Adjustment Factor       | ---    | 0.62 | -11.68 | 14.10          |

To investigate the significance of using an adjustment factor for citrus, the wetland/wet flatwood C-value factor was set to 1.90, and the calibration model was optimized for citrus. A summary of this analysis is given in Table 4-13. This approach resulted in an optimized citrus C-value adjustment factor of 1.23 and further improved mean absolute PBIAS from 6.44 to 6.11, with no change in mean NSE. It appears that nearly all the improvement for the two-factor optimization is due to reduction of the Fellsmere Canal runoff PBIAS value which decreased from 7.9 to 0.1. Overall the two factor model improved PBIAS by 4.7 percent. Therefore the two-factor optimization was considered insignificant and only the wetland/wet flatwood C-values were adjusted.

A summary of the final calibrated CN values and monthly runoff coefficients for wetland land uses is given on Table 4-14. The calculated C values for wetland land uses including hydric hammock, wet flatwoods, wet prairies, and wetlands were increased from the curve number of 79 recommended by TR-55 to values ranging from approximately 87-88. The calibration indicated that the upland flatwoods and upland mixed hardwoods should remain at the original curve number value of 79. The increase in curve number for hydric hammock, wet flatwoods, wet prairies, and wetlands approximately doubled the annual C value compared with the initial annual runoff coefficient values. Substitution of the CN values listed in Table 4-14 into the SWIL model produced an over-estimation of runoff by approximately 4.6% for the five calibration sub-basins.

Monthly runoff volumes for the runoff values obtained from the baseflow separations and the simulated values are plotted in Figures 4-7 through 4-11 for each monitoring station. The same pattern observed for the monthly stream flow plots is apparent in the monthly runoff plots. The plots shown in Figures 4-7 through 4-11, and the runoff PBIAS and NSE values, indicate good to very good performance of the optimization (Moriassi, et al., 2007), and the agreement between the observed and simulated annual runoff volumes is very close.

**TABLE 4-13****SUMMARY OF OPTIMIZATION STATISTICS BY CALIBRATION  
STATION FOR THREE C-VALUE ADJUSTMENT FACTOR OPTIONS**

| <b>NO C-VALUE ADJUSTMENT FACTOR</b> |               |              |                       |
|-------------------------------------|---------------|--------------|-----------------------|
| <b>Station</b>                      | <b>Runoff</b> |              | <b>Absolute PBIAS</b> |
|                                     | <b>NSE</b>    | <b>PBIAS</b> |                       |
| Crane Creek                         | 0.64          | 6.0          | 6.0                   |
| Hickory Street                      | 0.61          | -11.9        | 11.9                  |
| South Prong                         | 0.51          | -19.6        | 19.6                  |
| North Prong                         | 0.58          | -16.0        | 16.0                  |
| Fellsmere Canal                     | 0.74          | -17.0        | 17.0                  |
| <b>Mean</b>                         | <b>0.62</b>   | <b>-11.7</b> | <b>14.1</b>           |

| <b>WETLAND / WET FLATWOOD C-VALUE ADJUSTMENT FACTOR = 1.90</b> |               |              |                       |
|----------------------------------------------------------------|---------------|--------------|-----------------------|
| <b>Station</b>                                                 | <b>Runoff</b> |              | <b>Absolute PBIAS</b> |
|                                                                | <b>NSE</b>    | <b>PBIAS</b> |                       |
| Crane Creek                                                    | 0.65          | 9.7          | 9.7                   |
| Hickory Street                                                 | 0.62          | -3.6         | 3.6                   |
| South Prong                                                    | 0.62          | 10.7         | 10.7                  |
| North Prong                                                    | 0.59          | 0.3          | 0.3                   |
| Fellsmere Canal                                                | 0.78          | -7.9         | 7.9                   |
| <b>Mean</b>                                                    | <b>0.65</b>   | <b>1.71</b>  | <b>6.44</b>           |

| <b>WETLAND / WET FLATWOOD C-VALUE ADJUSTMENT FACTOR = 1.90<br/>CITRUS C-VALUE ADJUSTMENT FACTOR = 1.23</b> |               |              |                       |
|------------------------------------------------------------------------------------------------------------|---------------|--------------|-----------------------|
| <b>Station</b>                                                                                             | <b>Runoff</b> |              | <b>Absolute PBIAS</b> |
|                                                                                                            | <b>NSE</b>    | <b>PBIAS</b> |                       |
| Crane Creek                                                                                                | 0.65          | 9.7          | 9.7                   |
| Hickory Street                                                                                             | 0.62          | -3.6         | 3.6                   |
| South Prong                                                                                                | 0.62          | 13.1         | 13.1                  |
| North Prong                                                                                                | 0.57          | 4.0          | 4.0                   |
| Fellsmere Canal                                                                                            | 0.79          | 0.1          | 0.1                   |
| <b>Mean</b>                                                                                                | <b>0.65</b>   | <b>4.67</b>  | <b>6.11</b>           |

TABLE 4-14

**SUMMARY OF FINAL CALIBRATED CN VALUES AND  
MONTHLY RUNOFF COEFFICIENTS FOR WETLAND LAND USES**

| LAND USE         | CN VALUE | MEAN MONTHLY C VALUE |         |       |
|------------------|----------|----------------------|---------|-------|
|                  |          | Minimum              | Maximum | Mean  |
| Hydric Hammock   | 87.6     | 0.099                | 0.427   | 0.205 |
| Upland Flatwoods | 79       | 0.052                | 0.225   | 0.108 |
| Upland Mixed     | 79       | 0.052                | 0.225   | 0.108 |
| Wet Flatwoods    | 87.6     | 0.099                | 0.427   | 0.205 |
| Wet Prairies     | 87.6     | 0.099                | 0.427   | 0.205 |
| Wetland          | 87.6     | 0.099                | 0.427   | 0.205 |

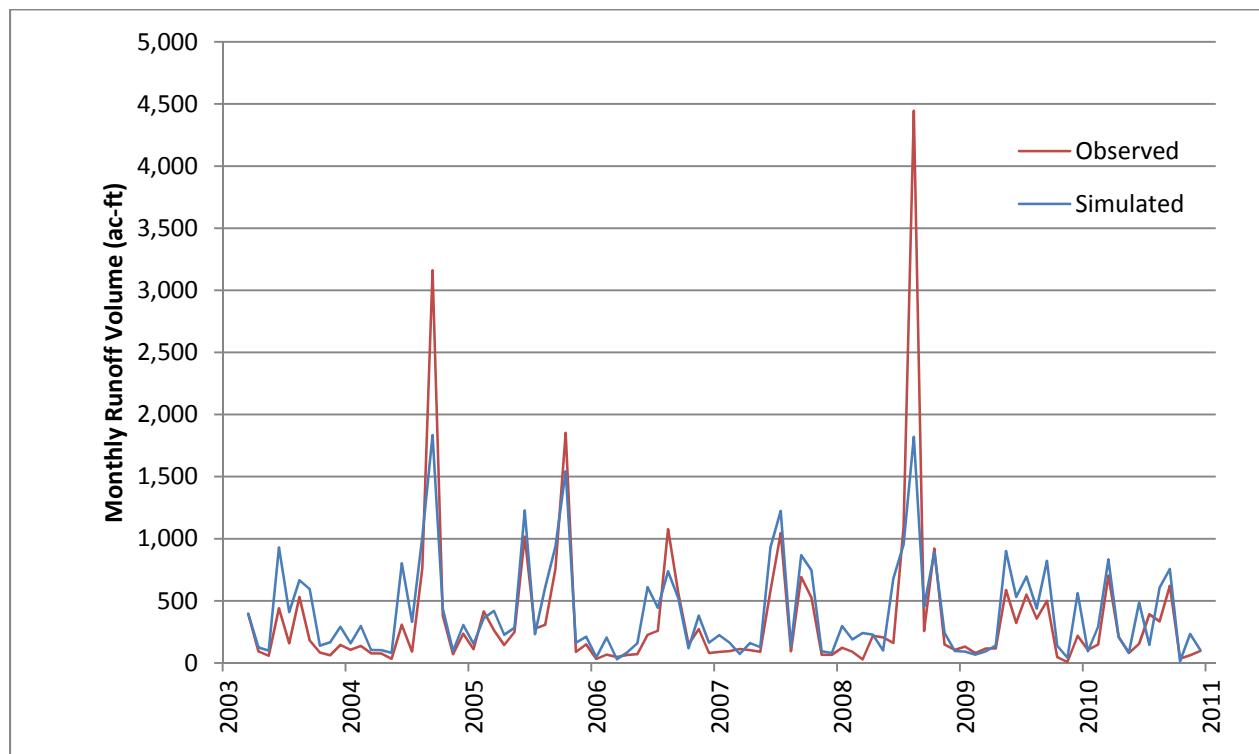


Figure 4-7. Observed and Simulated Runoff for the Crane Creek Monitoring Station (USGS 02249500) from March 2003-December 2010.

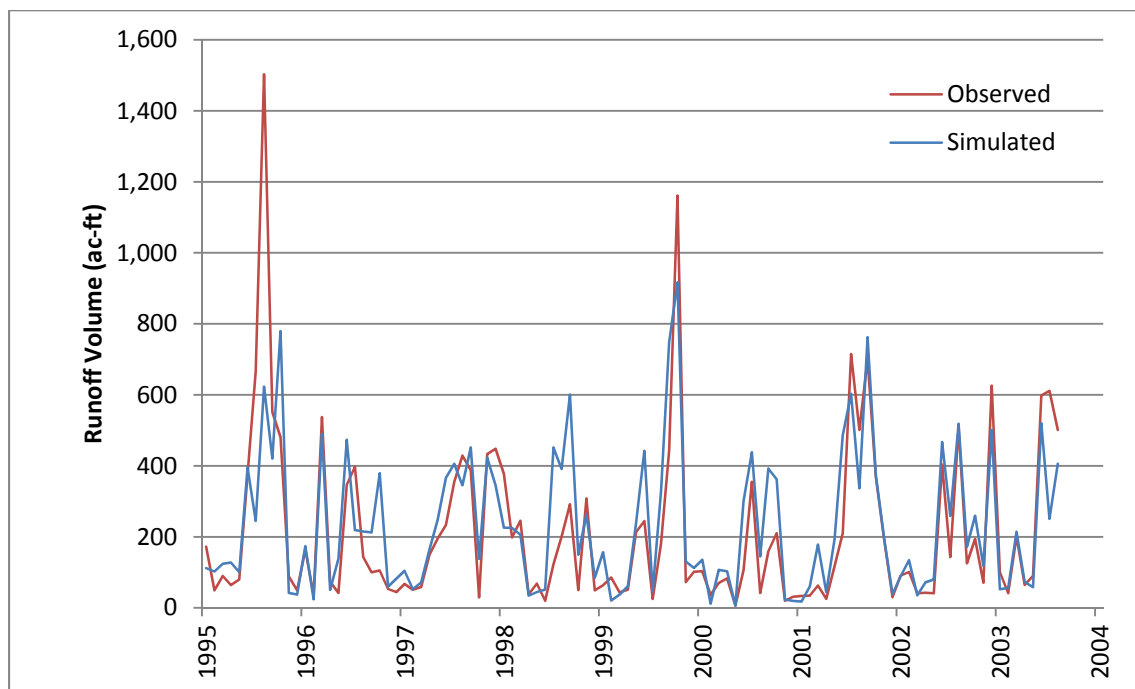


Figure 4-8. Observed and Simulated Runoff for the Hickory Street Canal Monitoring Station (SJRWMD 09402102) from January 1995-August 2003.

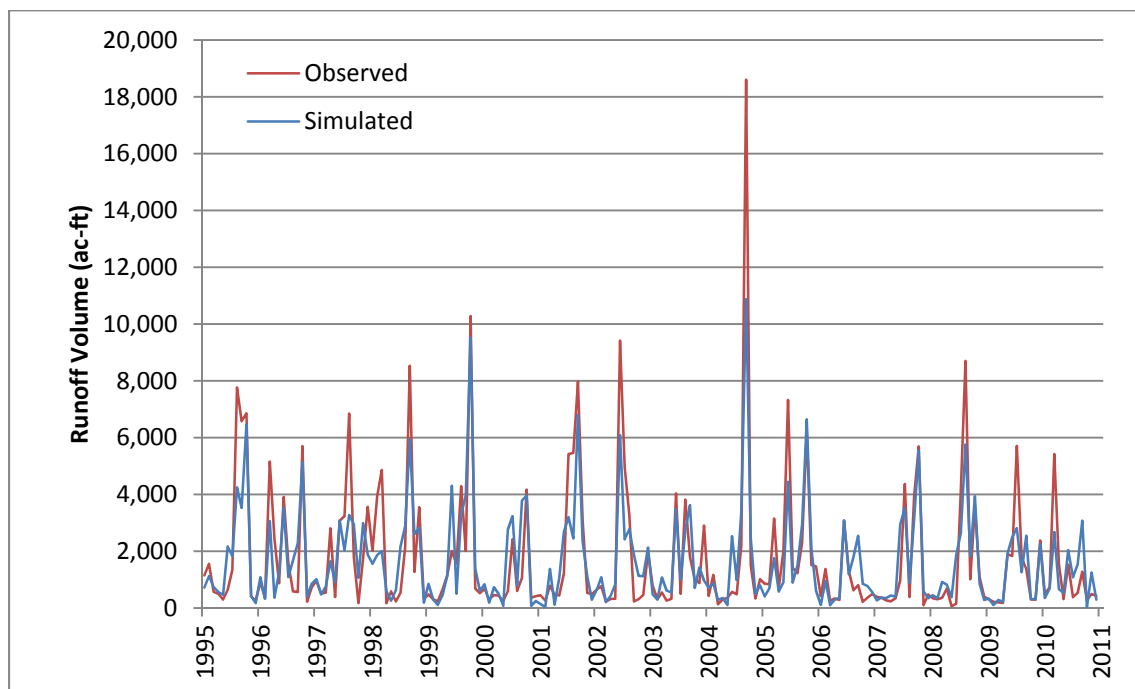


Figure 4-9. Observed and Simulated Runoff for the South Prong of the Sebastian River Monitoring Station (USGS 02251000) from January 1995-December 2010.



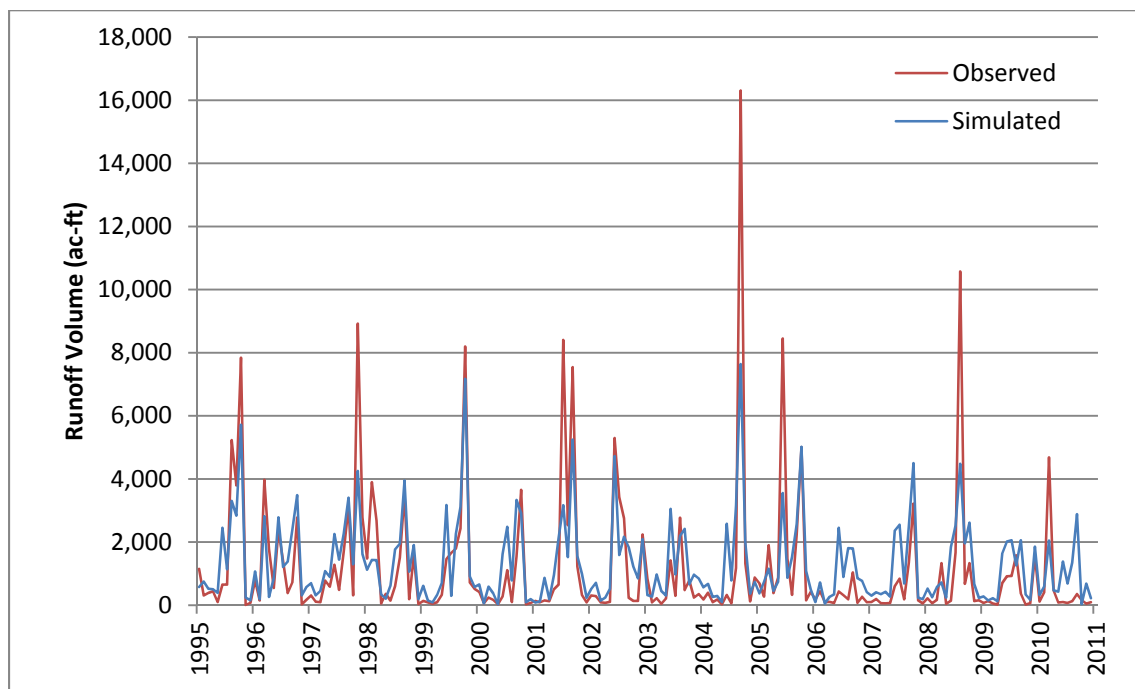


Figure 4-10. Observed and Simulated Runoff for the North Prong of the Sebastian River Monitoring Station (USGS 02251500) from January 1995-December 2010.

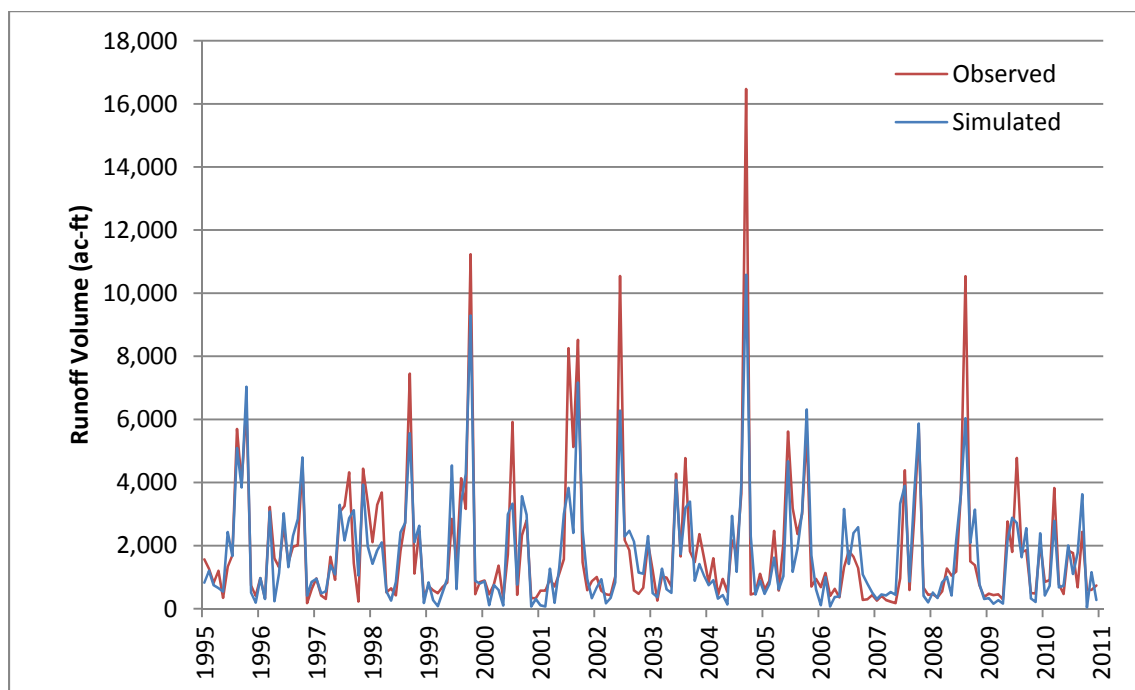


Figure 4-11. Observed and Simulated Runoff for the Fellsmere Canal Monitoring Station (USGS 02251767) from January 1995-December 2010.

#### 4.5 Baseflow Calibration

The baseflow calibration was performed to optimize the baseflow lag factor discussed in Section 3. As shown in Equation 3-3, the baseflow lag factor ( $\alpha$ ) along with the monthly storage depth ( $d_i$ ) are used to estimate the fraction of water storage released each month as baseflow. The monthly storage is the cumulative volume of the difference between rainfall, runoff, ET, and baseflow. Theoretically, the baseflow lag factor can range from 0.0-1.0. A value of 0.0 would cause the storage to infinitely increase, and a value of 1.0 would cause the storage to equal zero. As the value increases from 0.0 to 1.0, broad baseflow peaks become sharper.

The approach taken to optimize the lag factor assumes that the lag factor value that optimizes the fit between observed and simulated baseflow is the best estimate. In contrast to the ET and runoff calibrations which minimized PBIAS, the baseflow calibration objective was to maximize the NSE value. The NSE was used to measure the best fit for calibration. Because storage is an integral component in the baseflow calculation and the simulation begins in January 1995, the average December storage values calculated from previous iterations were used as the initial storage for December 1994. Fortunately, the spreadsheet model used by ERD only took two or three optimizations before the storage value reached equilibrium. The baseflow lag factor ( $\alpha$ ) was optimized by using the Solver add-in in Excel to maximize the mean NSE value for the five stations. The results of the optimization are presented in Table 4-15.

**TABLE 4-15**

#### **SUMMARY OF BASEFLOW OPTIMIZATION CALCULATIONS**

| <b>STATION</b>  | <b>BASIN AREA<br/>(acres)</b> | <b>INITIAL STORAGE<br/>(ac-ft)</b> | <b>MEAN STORAGE DEPTH<br/>(ft)</b> | <b>NSE</b>  | <b>PBIAS</b> |
|-----------------|-------------------------------|------------------------------------|------------------------------------|-------------|--------------|
| Crane Creek     | 5,464                         | 7,030                              | 1.29                               | 0.77        | 5.91         |
| Hickory Street  | 3,443                         | 4,267                              | 1.24                               | 0.65        | -10.64       |
| South Prong     | 35,899                        | 33,502                             | 0.94                               | 0.55        | -3.73        |
| North Prong     | 23,967                        | 19,229                             | 0.79                               | 0.63        | -1.06        |
| Fellsmere Canal | 36,362                        | 32,527                             | 0.91                               | 0.54        | 7.58         |
| <b>Mean</b>     |                               | <b>19,331</b>                      | <b>1.03</b>                        | <b>0.62</b> | <b>-0.39</b> |

The baseflow lag factor optimization resulted in a lag factor ( $\alpha$ ) of 0.32. The NSE values for the five stations ranged from 0.54 (satisfactory) to 0.77 (very good), with a mean of 0.62. PBIAS values ranged from -10.64 for Hickory Street to 7.58 for Fellsmere Canal. Therefore, baseflow is being slightly over-estimated for Hickory Street and slightly under-estimated for Fellsmere Canal. The mean storage depth was fairly uniform for all the calibration basins, ranging from 0.79 to 1.29 ft with a mean of 1.03 ft.

Time series plots of observed and simulated monthly baseflow for each monitoring station are presented in Figures 4-12 through 4-16. Similar to total stream flow and runoff, the baseflow simulations under-estimate the observed values. The Crane Creek (Figure 4-12), Hickory Street Canal (Figure 4-13), and North Prong (Figure 4-16) exhibit much better agreement between the simulated and observed values than the Fellsmere Canal and South Prong stations. This confirms the NSE values which ranged from 0.63 to 0.77 for these stations, respectively, while the NSE values for the Fellsmere Canal and South Prong were only 0.54 and 0.55, respectively. In general the predicted baseflow tends to under estimate large peak events. For Fellsmere Canal the predicted baseflow tends to underestimate the troughs.

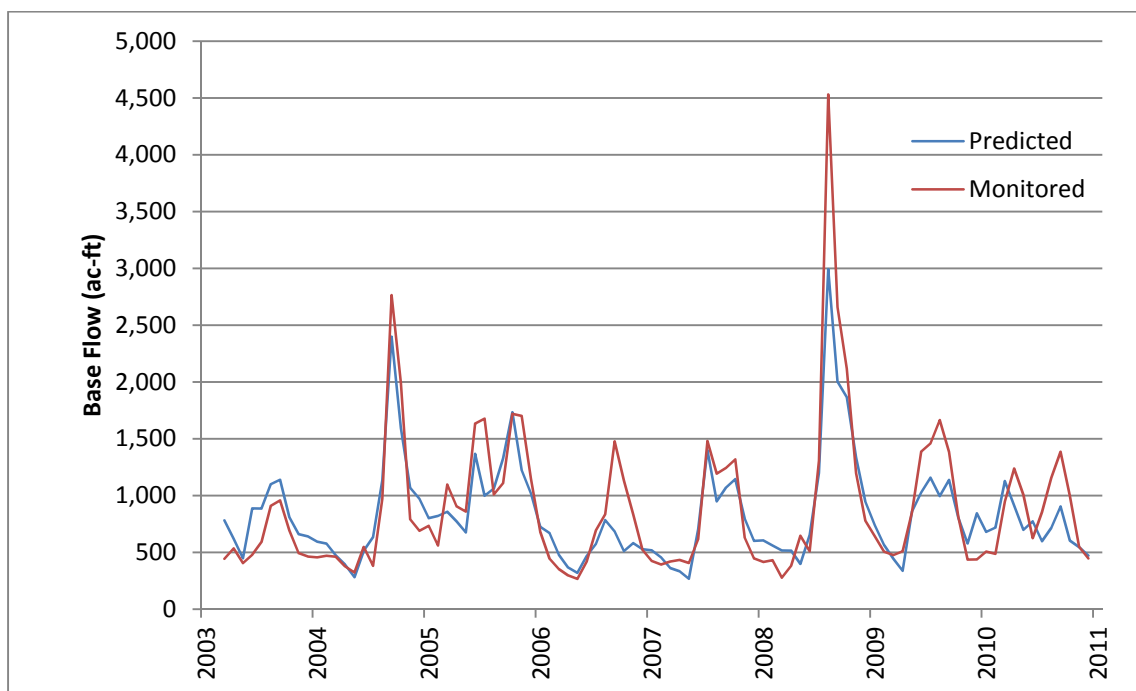


Figure 4-12. Observed and Simulated Monthly Baseflow for the Crane Creek Monitoring Station (USGS 02249500) from March 2003-December 2010.

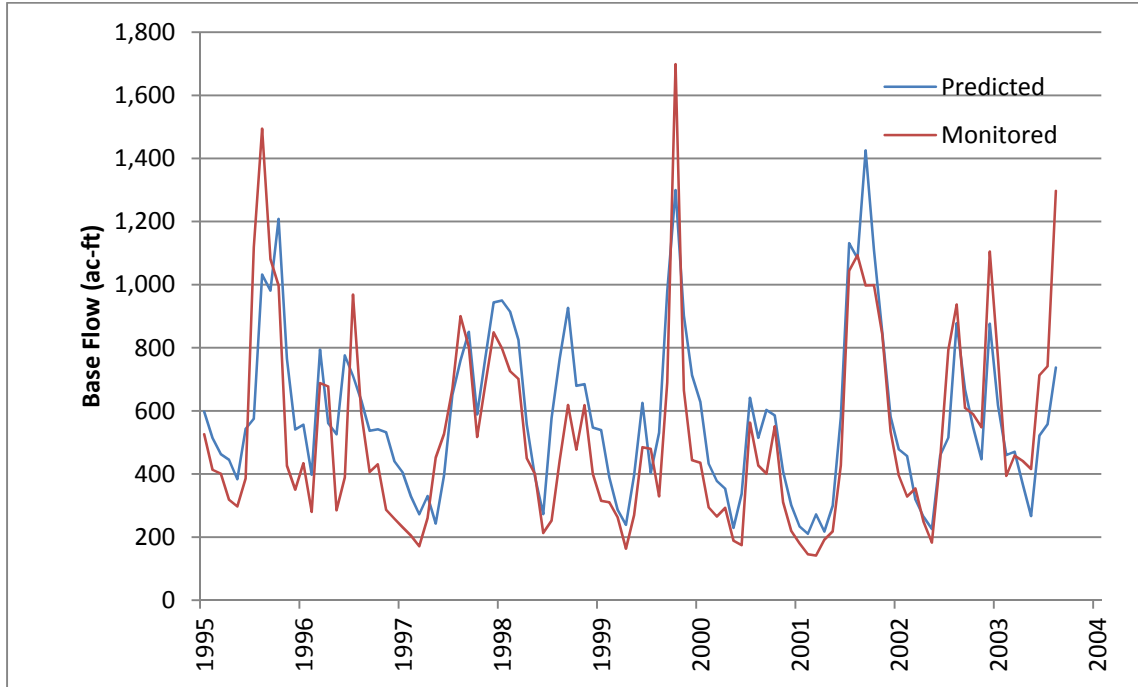


Figure 4-13. Observed and Simulated Monthly Baseflow for the Hickory Street Canal Monitoring Station (SJRWMD 09402102) from January 1995-August 2003.

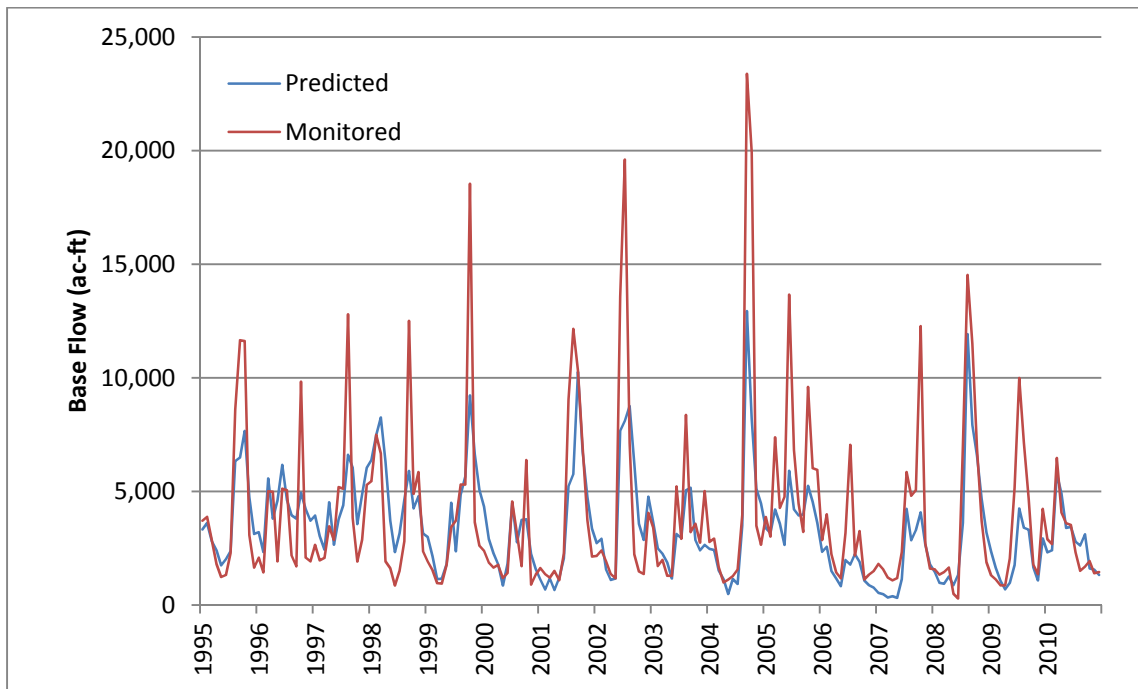


Figure 4-14. Observed and Simulated Monthly Baseflow for the South Prong of the Sebastian River Monitoring Station (USGS 02251000) from January 1995-December 2010.

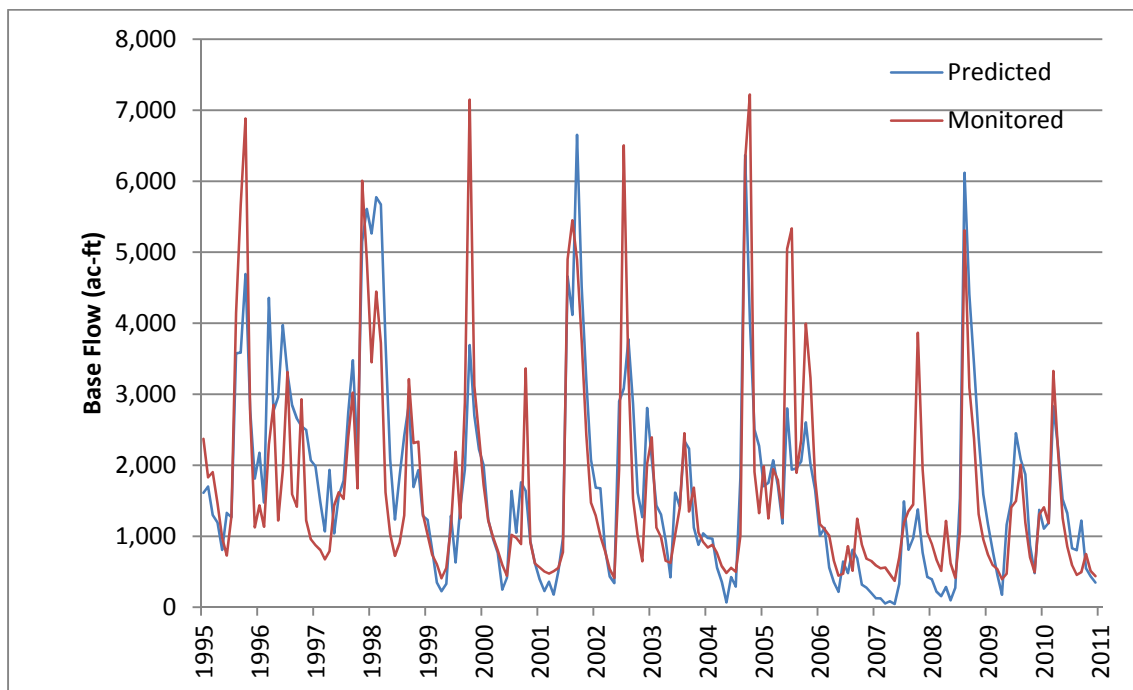


Figure 4-15. Observed and Simulated Monthly Baseflow for the North Prong of the Sebastian River Monitoring Station (USGS 02251500) from January 1995-December 2010.

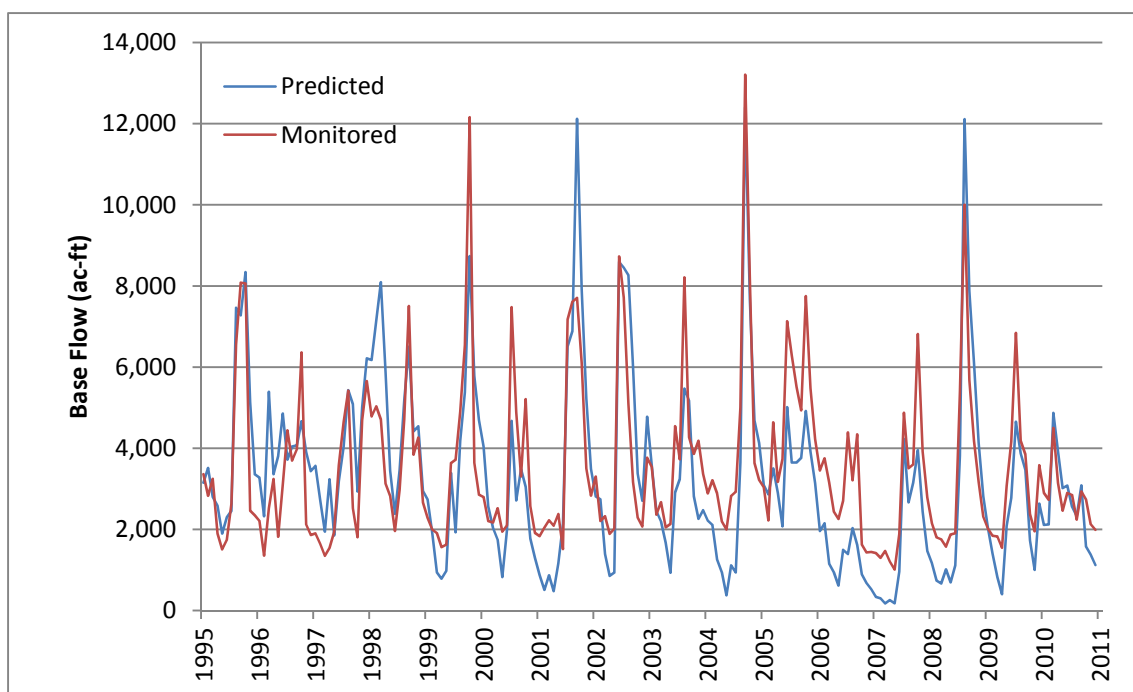


Figure 4-16. Observed and Simulated Monthly Baseflow for the Fellsmere Canal Monitoring Station (USGS 02251767) from January 1995-December 2010.

#### 4.6 Total Stream Flow Evaluation

As a final check of the ET, runoff (C value) and baseflow calibration factors, the sum of the simulated baseflow plus runoff are compared to the monitored total flow at each of the calibration basins. As shown in Table 4-16, the calibration factors fit the simulated and measured total flow fairly well with the NSE values ranging from 0.66 (good) to 0.79 (very good) and all the PBIAS values within 10 percent of the monitored total flow. Plots of monitored and simulated total flows for the five simulation basins are provided in Figures 4-17 through the 4-21 and indicate that the main source of error appears to be in predicting the peak flows. Overall the simulated flows match fairly well in Figures 4-17 through 4-21.

**TABLE 4-16**

**STATISTICAL COMPARISON OF SIMULATED  
vs. MEASURED TOTAL STREAM FLOW USING  
THE OPTIMIZED CALIBRATION FACTORS**

| STATION        | NSE         | PBIAS       |
|----------------|-------------|-------------|
| Hickory Street | 0.74        | 4.79        |
| Crane Creek    | 0.66        | -7.81       |
| South Prong    | 0.69        | 9.94        |
| North Prong    | 0.74        | -5.39       |
| Fellsmere      | 0.79        | 8.38        |
| <b>Mean</b>    | <b>0.72</b> | <b>1.98</b> |

The stream flow plots clearly indicate a significant under-estimate of peak events and a slight under-estimation for some of the troughs. The under-estimation of the troughs is likely due to assumptions made for baseflow normalization in which minimum baseflows were set equal to zero. This appears to be a reasonable assumption, considering the calibration values will be extrapolated to other basins over the entire IRL watershed with no knowledge of baseflow conditions. The under-estimation of peak flows may be attributable to some or all of the following reasons: rating curve inaccuracies for high flows, over-estimates of ET for months with high rainfall, and the operation of water control structures which either divert water to other basins or impact flow measurements. While the peak flow estimates appear to affect only a few months, the total stream flow volume for the period of study is very good, ranging from -7.8% for Crane Creek to +9.9% for North Prong, with an overall bias of only +2.0%.

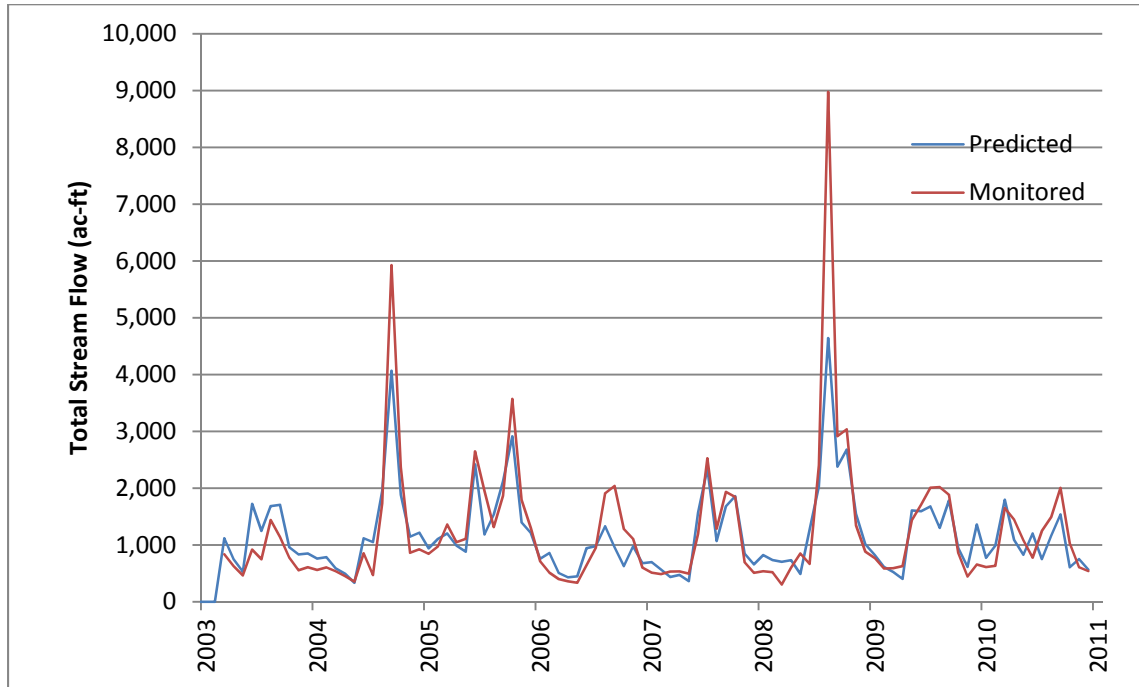


Figure 4-17. Observed and Simulated Total Flow for the Crane Creek Monitoring Station (USGS 02249500) from March 2003-December 2010.

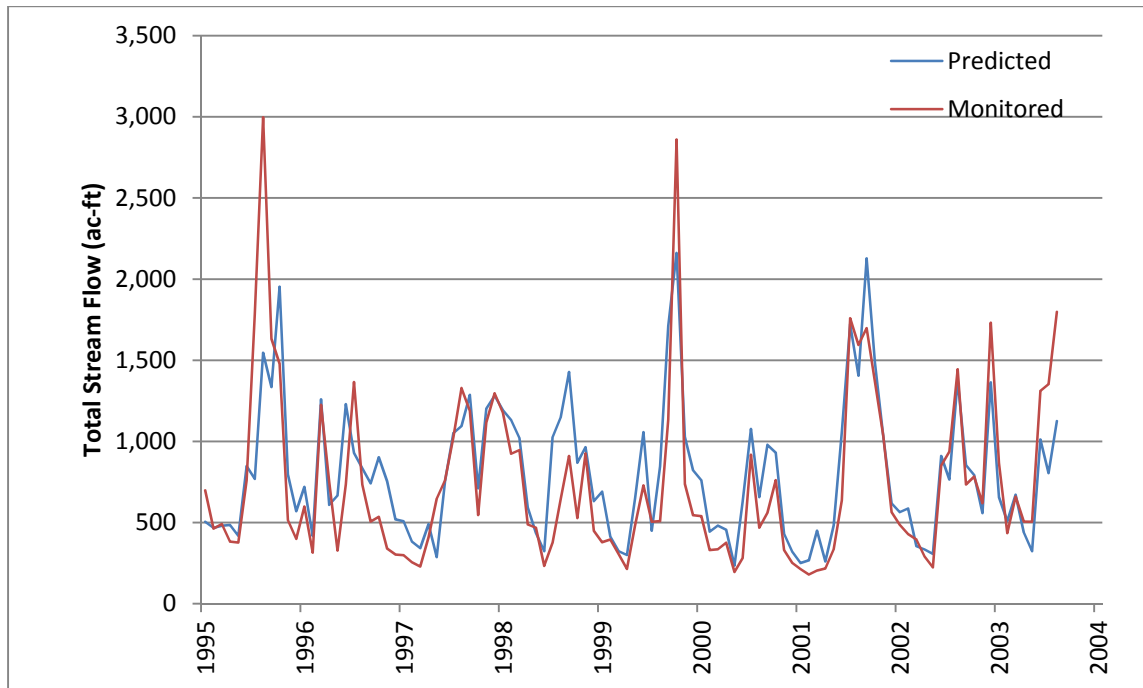


Figure 4-18. Observed and Simulated Total Flow for the Hickory Street Canal Monitoring Station (SJRWMD 09402102) from January 1995-August 2003.



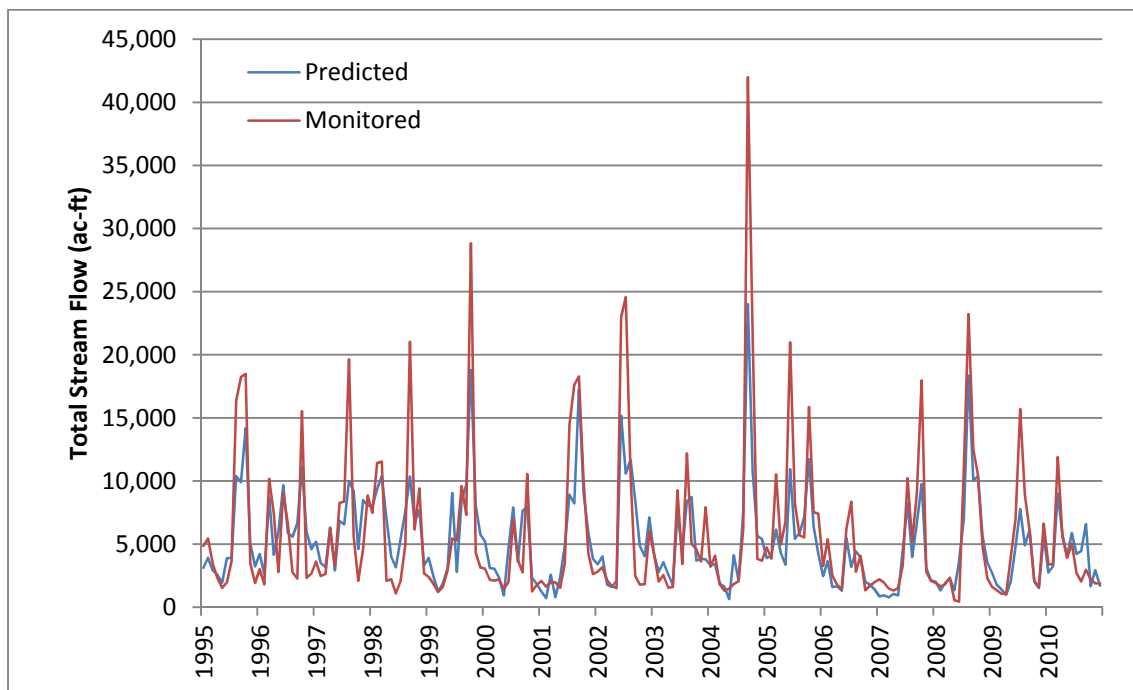


Figure 4-19. Observed and Simulated Total Flow for the South Prong of the Sebastian River Monitoring Station (USGS 02251000) from January 1995-December 2010.

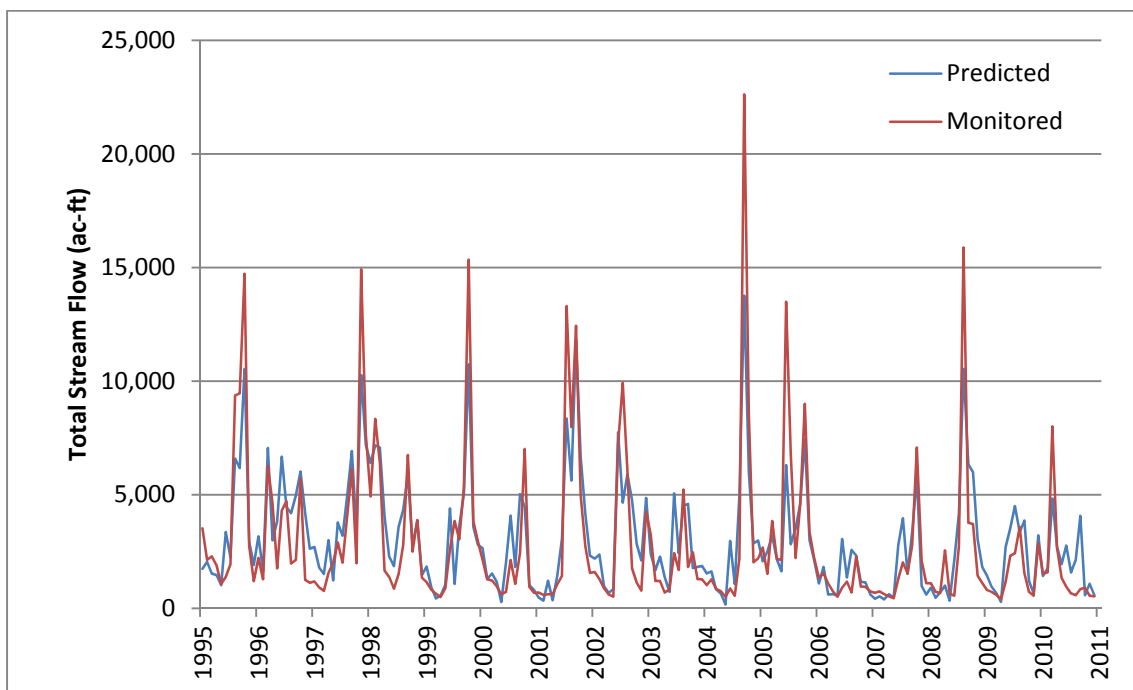


Figure 4-20. Observed and Simulated Total Flow for the North Prong of the Sebastian River Monitoring Station (USGS 02251500) from January 1995-December 2010.

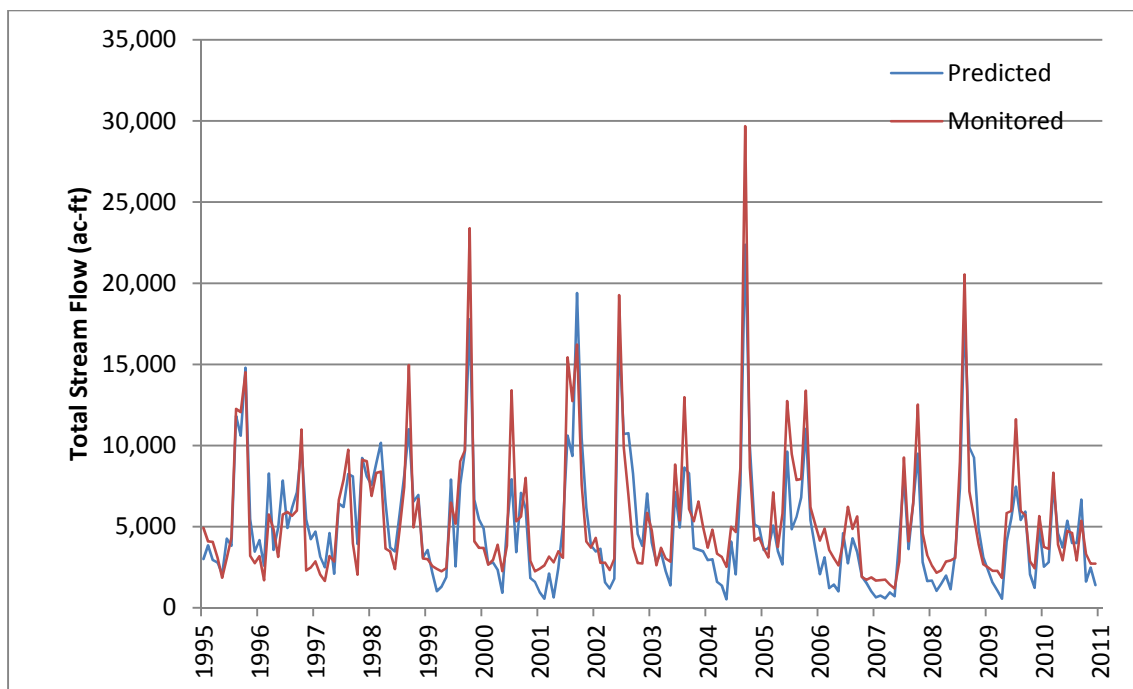


Figure 4-21. Observed and Simulated Total Flow for the Fellsmere Canal Monitoring Station (USGS 02251767) from January 1995-December 2010.

## SECTION 5

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# **APPENDICES**

**APPENDIX A**  
**RAINFALL DATA**



# Summary of Recording Rainfall Stations in and Near the IRL Watershed

| Station                 | ID       | Source | Type  | Lat     | Long     | Count (Months) | Start Date | End Date  | Location               |
|-------------------------|----------|--------|-------|---------|----------|----------------|------------|-----------|------------------------|
| Barefoot Bay            | 730122   | SJRWMD | DA    | 27.8896 | -80.5359 | 87             | 1/1/1995   | 6/1/2002  | IRL                    |
| BCMCA E                 | 1240511  | SJRWMD | DA    | 27.6693 | -80.6798 | 71             | 1/1/1995   | 7/1/2001  | within 10 miles        |
| BCWMA E 1               | 1250526  | SJRWMD | DA    | 27.6620 | -80.6024 | 72             | 1/1/1995   | 4/1/2002  | within 10 miles        |
| Big Flounder            | 1390643  | SJRWMD | DA    | 28.7555 | -80.8550 | 72             | 1/1/1996   | 4/1/2002  | IRL                    |
| C-58                    | 590263   | SJRWMD | DA    | 27.9701 | -80.8967 | 180            | 1/1/1995   | 12/1/2010 | within 10 miles        |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD | DA    | 28.0492 | -80.6611 | 77             | 12/1/1995  | 6/1/2002  | IRL                    |
| Cananveral Air Strip    |          | SJRWMD | Radar | 28.4660 | -80.5650 | 192            | 1/1/1995   | 12/1/2010 | IRL                    |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | DA    | 29.1833 | -81.0500 | 187            | 1/1/1995   | 12/1/2010 | Outside 10 mile Buffer |
| Duda WS                 | 18854247 | SJRWMD | DA    | 28.2717 | -80.7731 | 38             | 5/1/2005   | 6/1/2008  | within 10 miles        |
| Far Reach Rch           | 580260   | SJRWMD | DA    | 27.8530 | -80.8629 | 78             | 1/1/1995   | 11/1/2001 | within 10 miles        |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   | DA    | 27.5833 | -80.8333 | 78             | 4/1/1995   | 12/1/2010 | Outside 10 mile Buffer |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | DA    | 27.4667 | -80.3500 | 172            | 1/1/1995   | 12/1/2010 | within 10 miles        |
| Fox Lk                  | 690313   | SJRWMD | DA    | 28.5872 | -80.8717 | 78             | 1/1/1995   | 9/1/2001  | within 10 miles        |
| Fox Lk Rn               | 30242801 | SJRWMD | DA    | 28.5844 | -80.8486 | 25             | 11/1/2008  | 12/1/2010 | within 10 miles        |
| FT PIERC_R              | 6116     | SJRWMD | DA    | 27.4103 | -80.3369 | 167            | 2/1/1995   | 12/1/2010 | Outside 10 mile Buffer |
| Ft. Drum Weather        | 1350579  | SJRWMD | DA    | 27.5893 | -80.6880 | 55             | 3/1/1996   | 4/1/2001  | within 10 miles        |
| FT. PIER_R              | 6015     | SJRWMD | DA    | 27.3669 | -80.5142 | 98             | 1/1/1995   | 8/1/2003  | Outside 10 mile Buffer |
| Harlock Rd              | 3790529  | SJRWMD | DA    | 28.1364 | -80.7056 | 44             | 1/1/1995   | 8/1/1998  | within 10 miles        |
| Haulover Canal          | 2248380  | USGS   | DA    | 28.7361 | -80.7550 | 124            | 3/1/1996   | 12/1/2010 | IRL                    |
| I-95 RS                 | 760128   | SJRWMD | DA    | 27.9464 | -80.6103 | 87             | 1/1/1995   | 4/1/2002  | IRL                    |
| Jane Green Ck S-161A    | 600285   | SJRWMD | DA    | 28.0833 | -80.9105 | 70             | 1/1/1995   | 4/1/2002  | within 10 miles        |
| Kiwanis Pk              | 1500682  | SJRWMD | DA    | 28.3605 | -80.6765 | 175            | 3/1/1996   | 12/1/2010 | IRL                    |
| Lk Ashby                | 3200347  | SJRWMD | DA    | 28.9334 | -81.1036 | 166            | 1/1/1995   | 12/1/2010 | within 10 miles        |
| Lt Sawgrass Lk          | 1570741  | SJRWMD | DA    | 28.0629 | -80.7884 | 32             | 4/1/1998   | 7/1/2001  | within 10 miles        |
| MAXCEY N_R              | 5871     | SJRWMD | DA    | 27.6836 | -81.0236 | 174            | 5/1/1995   | 12/1/2010 | Outside 10 mile Buffer |
| Melbourne Rn            | 4120696  | SJRWMD | DA    | 28.1419 | -80.6692 | 80             | 1/1/1995   | 11/1/2001 | IRL                    |
| Melbourne Wickham Rd    | 100109   | SJRWMD | DA    | 28.1421 | -80.6678 | 188            | 1/1/1995   | 12/1/2010 | IRL                    |
| MELBOURNE WSO           | 85612    | NOAA   | DA    | 28.1167 | -80.6500 | 191            | 1/1/1995   | 12/1/2010 | IRL                    |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | DA    | 28.4500 | -81.3167 | 190            | 1/1/1995   | 12/1/2010 | Outside 10 mile Buffer |
| Ormond Bch Rn           | 1070077  | SJRWMD | DA    | 29.2894 | -81.0731 | 146            | 9/1/1998   | 12/1/2010 | Outside 10 mile Buffer |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | DA    | 27.9981 | -80.7008 | 187            | 1/1/1995   | 12/1/2010 | IRL                    |
| Palm Bay STP            | 1000410  | SJRWMD | DA    | 28.0261 | -80.5975 | 185            | 1/1/1995   | 12/1/2010 | IRL                    |
| Parrish Pk Rn           | 1480674  | SJRWMD | DA    | 28.7638 | -80.8831 | 168            | 3/1/1996   | 12/1/2010 | within 10 miles        |
| Patrick Air Force Base  | 747950   |        | DA    | 28.2390 | -80.6080 | 176            | 1/1/1995   | 12/1/2009 | IRL                    |
| Playalinda              | 1490678  | SJRWMD | DA    | 28.9068 | -80.8208 | 161            | 4/1/1996   | 12/1/2010 | within 10 miles        |
| Ponce Inlet Weather     | 18073682 | SJRWMD | DA    | 29.0647 | -80.9150 | 93             | 3/1/2003   | 12/1/2010 | within 10 miles        |

## Summary of Recording Rainfall Stations in and Near the IRL Watershed

| Station                 | ID       | Source | Type  | Lat     | Long     | Count<br>(Months) | Start<br>Date | End<br>Date | Location               |
|-------------------------|----------|--------|-------|---------|----------|-------------------|---------------|-------------|------------------------|
| Ransom Rd Pine Is       | 15112758 | SJRWMD | DA    | 28.5081 | -80.6761 | 126               | 7/1/2000      | 12/1/2010   | IRL                    |
| S-157                   | 520215   | SJRWMD | DA    | 27.8303 | -80.5398 | 179               | 1/1/1995      | 12/1/2010   | IRL                    |
| S-164                   | 530225   | SJRWMD | DA    | 28.3405 | -80.9338 | 183               | 1/1/1995      | 12/1/2010   | Outside 10 mile Buffer |
| S-251                   | 1103624  | SJRWMD | DA    | 27.6956 | -80.6436 | 45                | 4/1/2007      | 12/1/2010   | within 10 miles        |
| S-252D                  | 1880101  | SJRWMD | DA    | 27.6389 | -80.6789 | 176               | 1/1/1995      | 12/1/2010   | within 10 miles        |
| S-96                    | 510206   | SJRWMD | DA    | 27.8237 | -80.7074 | 167               | 1/1/1995      | 12/1/2010   | within 10 miles        |
| S99_R                   | 16672    | SFWMD  | DA    | 27.4706 | -80.4717 | 171               | 1/1/1995      | 12/1/2010   | within 10 miles        |
| Sawgrass Lk             | 4340864  | SJRWMD | DA    | 29.2502 | -81.1988 | 74                | 1/1/1996      | 5/1/2002    | Outside 10 mile Buffer |
| SCOTTO G_R              | 6031     | SFWMD  | DA    | 27.3733 | -80.4506 | 90                | 2/1/1995      | 11/1/2002   | Outside 10 mile Buffer |
| Seminole Rch            | 670294   | SJRWMD | DA    | 28.6096 | -80.9642 | 77                | 3/1/1995      | 11/1/2001   | within 10 miles        |
| SJR at Beeline          | 630271   | SJRWMD | DA    | 28.4542 | -80.9028 | 35                | 1/1/1995      | 1/1/1998    | within 10 miles        |
| SJR at SR46             | 640275   | SJRWMD | DA    | 28.7136 | -81.0368 | 78                | 1/1/1995      | 10/1/2001   | within 10 miles        |
| Smyrna Dunes            |          | SJRWMD | Radar | 29.0700 | -80.9150 | 192               | 1/1/1995      | 12/1/2010   | within 10 miles        |
| Snyder Fish Frm         | 720120   | SJRWMD | DA    | 27.7728 | -80.5921 | 86                | 1/1/1995      | 6/1/2002    | IRL                    |
| South Lk                | 4450882  | SJRWMD | DA    | 28.6139 | -80.8650 | 87                | 1/1/1995      | 5/1/2002    | within 10 miles        |
| Southeast Point         |          | SJRWMD | Radar | 27.4430 | -80.2890 | 192               | 1/1/1995      | 12/1/2010   | within 10 miles        |
| SR528 SJR               | 1620761  | SJRWMD | DA    | 28.4571 | -80.8974 | 38                | 3/1/1998      | 8/1/2001    | within 10 miles        |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | DA    | 27.2167 | -80.2500 | 87                | 1/1/1995      | 12/1/2010   | Outside 10 mile Buffer |
| SVWX                    | F1273    | SFWMD  | DA    | 27.2903 | -80.2536 | 109               | 8/1/1997      | 12/1/2010   | Outside 10 mile Buffer |
| Tiger Bay Rn            | 5190117  | SJRWMD | DA    | 29.1423 | -81.1265 | 140               | 3/1/1999      | 12/1/2010   | Outside 10 mile Buffer |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | DA    | 28.6167 | -80.8167 | 161               | 1/1/1995      | 12/1/2010   | IRL                    |
| Trout Ck Grant          | 780132   | SJRWMD | DA    | 27.9369 | -80.5353 | 39                | 9/1/1995      | 4/1/1999    | IRL                    |
| Tucker WS               | 1540705  | SJRWMD | DA    | 27.8308 | -80.8081 | 52                | 9/1/1996      | 4/1/2001    | within 10 miles        |
| Valkaria Ap             | 750126   | SJRWMD | DA    | 27.9643 | -80.5607 | 82                | 1/1/1995      | 7/1/2002    | IRL                    |
| Vero Bch AP             | 1510686  | SJRWMD | DA    | 27.6554 | -80.4043 | 178               | 3/1/1996      | 12/1/2010   | IRL                    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | DA    | 27.6333 | -80.4500 | 129               | 1/1/1995      | 12/1/2010   | IRL                    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | DA    | 27.6500 | -80.4167 | 189               | 1/1/1995      | 12/1/2010   | IRL                    |
| W Melbourne Rn          | 790135   | SJRWMD | DA    | 28.0772 | -80.6021 | 73                | 6/1/1995      | 4/1/2002    | IRL                    |
| West Cnl                | 870172   | SJRWMD | DA    | 27.7563 | -80.5111 | 62                | 11/1/1996     | 4/1/2002    | IRL                    |
| Willowbrook TP          | 740124   | SJRWMD | DA    | 27.8880 | -80.6659 | 81                | 1/1/1995      | 6/1/2002    | within 10 miles        |
| Wolf Ck S-163           | 610265   | SJRWMD | DA    | 28.2109 | -80.9109 | 80                | 1/1/1995      | 7/1/2002    | Outside 10 mile Buffer |
| Yeehaw Junction         | 1330563  | SJRWMD | DA    | 27.6967 | -80.8958 | 177               | 8/1/1995      | 12/1/2010   | Outside 10 mile Buffer |

[illegible]

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |  |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
|                         |          |        | 1995_01                   | 1995_02 | 1995_03 | 1995_04 | 1995_05 | 1995_06 | 1995_07 | 1995_08 | 1995_09 | 1995_10 |  |
| Ransom Rd Pine Is       | 15112758 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| S-157                   | 520215   | SJRWMD | 2.23                      | 2.16    | 1.53    | 2.20    | 3.62    | 6.85    | 2.55    | 13.90   | 5.76    | 9.52    |  |
| S-164                   | 530225   | SJRWMD | 1.57                      | 1.48    | 2.62    | 1.50    |         | 10.12   | 6.93    | 9.67    | 4.15    | 6.55    |  |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| S-252D                  | 1880101  | SJRWMD | 2.38                      | 5.10    | 3.50    | 3.83    | 1.11    | 4.34    | 4.59    | 15.89   | 5.65    | 5.70    |  |
| S-96                    | 510206   | SJRWMD | 2.35                      | 3.46    | 4.88    |         | 2.84    | 5.56    | 3.62    | 17.16   | 8.77    | 11.00   |  |
| S99_R                   | 16672    | SFWMD  | 2.09                      | 2.94    | 2.35    | 4.12    | 2.58    | 3.44    | 4.41    | 15.91   | 9.37    | 11.64   |  |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| SCOTTO G_R              | 6031     | SFWMD  |                           | 2.81    | 2.25    | 3.14    | 0.98    | 4.41    | 3.67    | 15.51   | 5.30    | 15.57   |  |
| Seminole Rch            | 670294   | SJRWMD |                           |         | 2.26    | 1.32    | 3.58    | 7.46    | 7.20    | 10.06   | 5.71    | 5.89    |  |
| SJR at Beeline          | 630271   | SJRWMD | 1.90                      | 0.87    | 2.38    | 1.22    | 2.44    | 8.39    | 7.87    |         | 3.29    | 4.30    |  |
| SJR at SR46             | 640275   | SJRWMD | 1.59                      | 0.83    | 1.75    | 1.62    | 1.90    | 8.97    | 6.27    | 9.33    | 3.85    | 3.93    |  |
| Smyrna Dunes            |          | SJRWMD | 1.97                      | 1.27    | 2.65    | 2.07    | 2.41    | 6.38    | 5.20    | 11.11   | 7.28    | 5.91    |  |
| Snyder Fish Frm         | 720120   | SJRWMD | 2.40                      | 3.47    | 1.63    | 2.81    | 2.27    | 5.10    | 6.09    | 13.07   | 7.09    | 8.78    |  |
| South Lk                | 4450882  | SJRWMD | 2.47                      | 0.86    | 2.34    | 2.41    | 2.62    | 10.20   | 4.38    | 9.44    | 6.28    | 6.09    |  |
| Southeast Point         |          | SJRWMD | 1.77                      | 2.86    | 2.81    | 2.14    | 1.98    | 6.21    | 6.85    | 15.63   | 6.26    | 11.70   |  |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | 2.56                      | 2.25    | 3.48    | 3.49    | 2.27    | 6.15    | 3.47    | 14.71   | 3.81    |         |  |
| SVWX                    | FI273    | SFWMD  |                           |         |         |         |         |         |         |         |         |         |  |
| Tiger Bay Rn            | 5190117  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 2.40                      | 0.40    | 1.85    |         | 2.72    |         | 10.02   |         | 7.64    | 5.91    |  |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         | 6.93    | 7.44    |  |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Valkaria Ap             | 750126   | SJRWMD | 1.98                      | 2.87    | 2.67    | 4.26    | 2.21    | 7.08    | 6.63    | 9.65    | 7.08    | 11.10   |  |
| Vero Bch AP             | 1510686  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 1.73                      |         | 3.90    | 2.46    |         | 5.00    | 7.64    |         |         |         |  |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 1.59                      |         | 2.80    | 2.05    | 1.27    | 6.48    | 5.38    | 10.93   | 5.53    | 6.91    |  |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         | 5.74    |         |         |         | 9.13    |  |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Willowbrook TP          | 740124   | SJRWMD | 2.19                      | 2.71    | 2.95    | 3.58    | 1.97    | 6.25    | 5.63    | 11.73   | 6.76    | 11.36   |  |
| Wolf Ck S-163           | 610265   | SJRWMD | 1.83                      | 3.54    | 1.79    |         |         | 9.97    | 4.64    | 10.76   | 4.00    | 10.73   |  |
| Yeehaw Junction         | 1330563  | SJRWMD |                           |         |         |         |         |         |         | 10.43   | 8.72    | 7.52    |  |



| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 1995_11                   | 1995_12 | 1996_01 | 1996_02 | 1996_03 | 1996_04 | 1996_05 | 1996_06 | 1996_07 | 1996_08 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-157                   | 520215   | SJRWMD | 0.80                      | 0.60    | 3.73    | 1.07    | 10.12   | 1.43    | 4.92    |         | 3.49    | 7.05    |
| S-164                   | 530225   | SJRWMD | 0.69                      | 0.88    | 4.44    | 2.61    | 9.31    | 1.60    | 4.18    | 7.25    | 2.79    | 5.12    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 1.00                      | 0.47    | 2.38    | 1.06    | 9.20    | 1.18    | 4.64    | 7.51    |         | 8.01    |
| S-96                    | 510206   | SJRWMD | 1.19                      | 0.47    | 1.86    | 0.56    | 11.40   | 0.26    | 4.15    | 3.49    | 5.81    | 2.61    |
| S99_R                   | 16672    | SFWMD  | 0.92                      | 0.65    | 1.85    | 0.65    | 8.31    | 1.11    | 3.40    | 9.49    | 2.94    | 5.00    |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         | 5.04    | 1.52    | 7.26    | 2.74    | 2.01    | 8.10    | 4.19    | 5.25    |
| SCOTTO G_R              | 6031     | SFWMD  | 0.49                      | 0.67    | 0.58    | 1.66    | 11.99   | 0.34    | 5.86    | 9.43    | 1.11    | 4.15    |
| Seminole Rch            | 670294   | SJRWMD |                           | 1.67    | 5.95    | 1.70    | 16.34   | 0.71    | 5.01    | 7.13    | 3.32    | 6.44    |
| SJR at Beeline          | 630271   | SJRWMD | 1.10                      | 1.41    | 4.36    | 1.61    | 3.97    |         | 2.41    | 5.58    | 4.89    | 3.93    |
| SJR at SR46             | 640275   | SJRWMD | 2.65                      | 1.49    | 4.77    |         | 14.20   | 1.26    | 2.72    | 4.76    | 2.66    | 8.73    |
| Smyrna Dunes            |          | SJRWMD | 1.92                      | 2.29    | 4.54    | 0.96    | 11.63   | 1.84    | 2.38    | 7.04    | 3.46    | 5.72    |
| Snyder Fish Frm         | 720120   | SJRWMD | 0.85                      | 0.69    | 2.71    | 1.09    | 8.03    | 0.83    | 6.12    | 6.52    | 3.43    | 8.30    |
| South Lk                | 4450882  | SJRWMD | 2.00                      | 1.88    | 7.98    | 1.58    | 17.85   | 2.55    | 1.05    | 5.60    | 2.94    | 3.93    |
| Southeast Point         |          | SJRWMD | 0.46                      | 0.54    | 1.68    | 0.73    | 9.64    | 1.06    | 5.72    | 6.85    | 3.95    | 4.39    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | 0.24                      | 0.66    | 1.02    | 0.34    | 11.84   | 2.60    | 8.15    | 4.05    | 4.42    | 2.62    |
| SVWX                    | FI273    | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Tiger Bay Rn            | 5190117  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 2.19                      |         | 7.09    | 1.55    | 17.60   | 0.58    | 3.12    |         | 3.78    | 5.99    |
| Trout Ck Grant          | 780132   | SJRWMD | 0.87                      | 0.43    | 5.58    | 0.66    | 11.63   | 2.18    | 4.81    | 9.50    |         | 1.86    |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD | 0.65                      | 0.50    | 5.05    | 0.62    | 10.74   | 1.79    | 4.68    | 8.76    |         | 1.80    |
| Vero Bch AP             | 1510686  | SJRWMD |                           |         |         |         | 12.02   | 1.43    | 8.84    | 8.45    | 7.66    | 1.68    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 0.50                      | 0.27    | 4.42    | 0.99    | 11.11   | 1.90    |         |         | 7.71    | 3.07    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 0.80                      | 0.50    | 4.19    | 0.86    | 10.80   | 1.41    | 6.88    | 10.54   | 7.55    | 1.73    |
| W Melbourne Rn          | 790135   | SJRWMD | 0.64                      | 0.71    | 3.43    | 0.49    | 9.82    | 1.33    | 3.15    | 8.28    | 4.93    | 2.72    |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD | 0.39                      | 0.68    | 4.28    | 0.57    | 12.25   | 1.44    | 3.77    | 6.44    | 6.48    | 5.55    |
| Wolf Ck S-163           | 610265   | SJRWMD | 1.56                      | 0.78    | 3.76    | 2.79    | 8.83    | 1.81    | 2.97    | 7.92    | 2.06    | 6.62    |
| Yeehaw Junction         | 1330563  | SJRWMD | 1.34                      | 0.41    | 2.65    | 0.79    | 7.51    | 2.31    |         | 7.07    |         |         |



| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |  |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
|                         |          |        | 1996_09                   | 1996_10 | 1996_11 | 1996_12 | 1997_01 | 1997_02 | 1997_03 | 1997_04 | 1997_05 | 1997_06 |  |
| Ransom Rd Pine Is       | 15112758 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| S-157                   | 520215   | SJRWMD | 5.14                      | 6.21    | 0.72    | 2.05    | 3.01    | 1.42    | 2.26    | 7.44    | 4.23    | 6.73    |  |
| S-164                   | 530225   | SJRWMD | 2.48                      | 5.86    | 0.54    | 1.90    | 1.52    | 1.16    | 2.59    | 3.11    | 2.80    | 7.85    |  |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| S-252D                  | 1880101  | SJRWMD | 2.32                      |         | 2.41    | 2.18    | 2.56    | 1.31    | 1.62    | 2.17    |         | 7.26    |  |
| S-96                    | 510206   | SJRWMD | 6.32                      | 4.56    | 1.00    | 2.50    | 2.50    | 2.40    | 1.10    | 5.30    | 6.13    | 6.27    |  |
| S99_R                   | 16672    | SFWMD  | 5.91                      | 8.41    | 2.26    | 1.52    | 3.04    | 2.53    | 3.54    | 10.84   | 1.91    | 7.06    |  |
| Sawgrass Lk             | 4340864  | SJRWMD | 5.61                      | 3.64    | 0.97    | 2.83    | 2.98    | 0.52    | 3.21    | 3.88    | 5.43    |         |  |
| SCOTTO G_R              | 6031     | SFWMD  | 4.23                      | 4.07    | 1.17    | 1.18    | 2.19    | 1.96    | 1.02    | 9.74    | 2.62    | 6.53    |  |
| Seminole Rch            | 670294   | SJRWMD | 4.84                      | 4.41    | 0.53    | 1.83    | 1.63    | 1.67    | 1.83    | 3.93    | 4.52    | 6.87    |  |
| SJR at Beeline          | 630271   | SJRWMD | 6.73                      | 6.17    | 0.57    | 1.90    | 1.83    | 1.39    | 1.86    | 3.95    | 3.04    | 4.67    |  |
| SJR at SR46             | 640275   | SJRWMD | 8.95                      | 5.97    | 0.66    | 2.14    | 1.56    | 1.97    | 3.11    | 3.20    | 5.39    | 4.61    |  |
| Smyrna Dunes            |          | SJRWMD | 5.83                      | 7.55    | 0.36    | 2.21    | 1.83    | 0.67    | 2.39    | 2.50    | 4.33    | 9.86    |  |
| Snyder Fish Frm         | 720120   | SJRWMD | 5.63                      | 6.00    | 0.56    | 2.44    | 4.01    | 1.27    | 1.45    | 6.33    | 3.56    | 7.91    |  |
| South Lk                | 4450882  | SJRWMD | 2.52                      | 5.06    | 0.55    | 2.01    | 2.38    | 1.31    | 3.44    | 3.82    | 3.69    | 7.06    |  |
| Southeast Point         |          | SJRWMD | 4.68                      | 6.14    | 1.09    | 1.41    | 1.82    | 0.78    | 1.93    | 4.03    | 0.99    | 6.63    |  |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | 3.84                      | 6.91    | 1.63    | 2.44    | 3.85    |         |         |         |         |         |  |
| SVWX                    | FI273    | SFWMD  |                           |         |         |         |         |         |         |         |         |         |  |
| Tiger Bay Rn            | 5190117  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 5.94                      | 5.33    | 1.24    | 2.94    | 1.95    | 1.73    | 4.77    | 3.97    |         | 7.40    |  |
| Trout Ck Grant          | 780132   | SJRWMD | 4.73                      | 3.92    | 0.38    | 1.76    | 2.49    | 0.65    | 1.83    |         | 5.25    | 5.35    |  |
| Tucker WS               | 1540705  | SJRWMD | 3.48                      | 4.31    | 0.57    | 2.80    | 2.03    | 0.13    | 0.49    | 0.67    | 4.87    | 6.58    |  |
| Valkaria Ap             | 750126   | SJRWMD | 3.83                      | 4.34    | 0.72    | 1.77    | 2.43    | 0.63    | 1.99    | 7.41    | 6.42    | 6.80    |  |
| Vero Bch AP             | 1510686  | SJRWMD | 5.28                      | 11.21   | 0.83    | 2.60    | 3.06    | 2.46    | 3.44    | 9.86    | 2.44    | 6.53    |  |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   |                           |         | 0.67    |         | 3.56    |         | 4.18    | 8.10    |         | 8.03    |  |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 3.29                      | 8.55    | 0.74    | 2.41    | 3.41    | 2.73    | 3.98    | 10.45   | 3.11    | 8.24    |  |
| W Melbourne Rn          | 790135   | SJRWMD | 3.04                      | 4.90    | 1.11    |         |         |         | 1.73    | 4.65    | 6.28    | 8.41    |  |
| West Cnl                | 870172   | SJRWMD |                           |         | 0.78    | 2.48    | 4.13    | 1.39    | 2.41    | 8.27    | 3.54    | 6.43    |  |
| Willowbrook TP          | 740124   | SJRWMD | 8.54                      | 5.80    | 1.12    | 1.90    | 2.79    | 1.98    | 1.59    | 5.24    | 6.12    | 7.05    |  |
| Wolf Ck S-163           | 610265   | SJRWMD | 0.62                      | 9.89    | 0.57    | 1.94    | 2.19    | 1.60    | 1.12    | 4.77    |         |         |  |
| Yeehaw Junction         | 1330563  | SJRWMD | 2.86                      | 6.60    | 1.12    | 2.39    | 1.85    | 1.80    | 2.06    | 5.19    | 3.75    | 4.66    |  |



| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 1997_07                   | 1997_08 | 1997_09 | 1997_10 | 1997_11 | 1997_12 | 1998_01 | 1998_02 | 1998_03 | 1998_04 |
| Barefoot Bay            | 730122   | SJRWMD | 4.31                      | 9.63    | 9.63    | 2.55    | 13.03   | 5.49    | 3.70    | 6.59    | 5.35    | 1.34    |
| BCMCA E                 | 1240511  | SJRWMD | 5.61                      | 10.01   | 6.19    | 1.01    | 2.12    | 6.00    | 3.67    | 5.54    | 8.28    | 2.44    |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         | 2.31    | 5.55    | 3.14    |         |         | 4.31    |
| Big Flounder            | 1390643  | SJRWMD | 7.83                      | 3.75    | 2.05    | 5.58    | 2.17    | 9.23    | 1.76    | 6.58    | 3.29    | 0.28    |
| C-58                    | 590263   | SJRWMD | 8.34                      | 7.83    | 7.03    | 2.34    | 5.86    | 7.17    | 4.68    | 5.17    | 5.38    | 1.43    |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD | 8.95                      | 4.10    | 6.76    | 1.11    | 8.50    | 6.78    | 4.43    | 3.80    | 2.68    | 0.34    |
| Cananveral Air Strip    |          | SJRWMD | 6.13                      | 5.22    | 4.31    | 3.16    | 4.17    | 7.39    | 3.36    | 6.96    | 3.82    | 1.70    |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 7.69                      | 7.91    | 4.78    | 5.29    | 3.02    | 7.76    | 4.33    | 7.25    | 3.97    | 0.14    |
| Duda WS                 | 18854247 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Far Reach Rch           | 580260   | SJRWMD | 4.09                      | 5.40    | 7.86    | 1.67    | 9.80    | 6.66    | 5.41    | 6.16    | 5.72    | 1.77    |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   |                           |         |         |         | 2.70    |         | 4.35    |         | 10.18   | 3.00    |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | 6.04                      | 12.16   | 5.01    | 2.21    | 3.46    | 3.68    | 2.40    | 5.23    | 3.98    | 3.15    |
| Fox Lk                  | 690313   | SJRWMD | 13.79                     | 5.92    | 4.28    | 6.15    | 2.40    | 12.50   | 2.18    | 9.21    | 3.51    | 0.33    |
| Fox Lk Rn               | 30242801 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FT PIERC_R              | 6116     | SFWMD  | 4.70                      | 13.45   | 4.75    | 2.63    | 4.75    | 4.61    | 3.20    | 5.45    | 3.32    | 1.30    |
| Ft. Drum Weather        | 1350579  | SJRWMD | 9.56                      | 11.22   | 4.83    | 1.03    | 2.82    | 6.39    | 3.31    | 5.12    | 9.18    |         |
| FT. PIER_R              | 6015     | SFWMD  | 5.76                      | 8.19    | 5.28    | 2.35    | 2.64    | 4.84    | 2.61    | 5.57    | 4.59    | 3.20    |
| Harlock Rd              | 3790529  | SJRWMD | 8.24                      | 14.50   | 7.01    | 2.75    | 5.67    | 6.66    | 5.38    | 6.72    | 4.36    | 0.42    |
| Haulover Canal          | 2248380  | USGS   | 3.49                      |         |         | 2.02    | 1.11    | 4.87    | 0.82    | 3.34    | 1.55    | 0.25    |
| I-95 RS                 | 760128   | SJRWMD | 7.72                      | 8.39    | 8.92    | 1.99    | 13.59   | 6.30    | 6.28    | 5.26    | 7.04    | 2.92    |
| Jane Green Ck S-161A    | 600285   | SJRWMD | 8.64                      | 3.93    | 6.06    | 2.25    | 4.49    | 6.97    | 3.19    | 7.60    | 4.47    | 0.36    |
| Kiwanis Pk              | 1500682  | SJRWMD | 7.29                      | 5.75    | 4.84    | 3.69    | 2.69    | 11.24   | 3.00    | 5.67    | 3.60    | 1.07    |
| Lk Ashby                | 3200347  | SJRWMD | 8.23                      | 9.69    | 3.11    | 2.55    | 3.52    | 9.57    | 3.30    | 6.70    | 6.00    | 0.24    |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         | 0.33    |
| MAXCEY_N_R              | 5871     | SFWMD  | 7.21                      | 8.79    | 6.45    | 0.81    | 6.63    | 2.87    | 6.71    | 6.24    | 6.56    | 1.36    |
| Melbourne Rn            | 4120696  | SJRWMD | 14.39                     | 10.89   | 10.79   | 1.45    | 7.26    | 8.10    | 6.19    | 6.65    | 5.78    | 0.48    |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 3.61                      | 8.76    | 5.12    | 3.45    | 3.60    | 5.45    | 3.42    | 5.97    | 3.60    | 0.35    |
| MELBOURNE WSO           | 85612    | NOAA   | 8.86                      | 9.04    | 8.62    | 3.77    | 5.95    | 6.57    | 5.40    | 6.14    | 4.90    | 0.84    |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 11.51                     | 7.99    | 2.59    | 4.22    | 3.15    | 12.63   | 1.99    | 8.74    | 5.26    | 0.52    |
| Ormond Bch Rn           | 1070077  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 11.90                     | 6.50    | 8.31    | 2.47    | 9.27    | 7.78    | 7.30    | 4.91    | 5.71    | 1.59    |
| Palm Bay STP            | 1000410  | SJRWMD | 6.80                      | 9.70    | 7.10    | 1.00    | 9.50    | 7.60    | 7.50    | 5.60    | 5.20    | 2.00    |
| Parrish Pk Rn           | 1480674  | SJRWMD | 8.86                      | 4.71    |         | 5.04    | 3.42    | 9.10    | 1.92    | 10.52   | 3.07    | 0.72    |
| Patrick Air Force Base  | 747950   |        | 3.61                      | 8.76    | 5.12    | 3.45    | 3.60    | 5.45    | 3.42    | 5.97    | 3.60    | 0.35    |
| Playalinda              | 1490678  | SJRWMD | 4.28                      | 4.24    | 2.62    | 3.29    |         | 2.52    | 1.47    | 11.21   | 4.50    | 0.54    |
| Ponce Inlet Weather     | 18073682 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |  |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
|                         |          |        | 1997_07                   | 1997_08 | 1997_09 | 1997_10 | 1997_11 | 1997_12 | 1998_01 | 1998_02 | 1998_03 | 1998_04 |  |
| Ransom Rd Pine Is       | 15112758 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| S-157                   | 520215   | SJRWMD | 3.62                      | 11.70   | 6.57    | 1.62    | 12.54   | 5.46    | 3.75    | 6.16    | 5.88    | 1.43    |  |
| S-164                   | 530225   | SJRWMD | 6.57                      | 0.94    | 2.31    | 5.84    | 2.89    | 10.24   | 3.74    | 9.33    | 3.90    | 1.09    |  |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| S-252D                  | 1880101  | SJRWMD |                           |         | 4.48    | 1.04    | 1.31    | 6.02    | 3.61    | 5.03    | 8.83    | 2.80    |  |
| S-96                    | 510206   | SJRWMD | 4.86                      | 7.51    |         |         |         |         |         |         |         | 1.45    |  |
| S99_R                   | 16672    | SFWMD  | 5.46                      | 11.31   | 5.03    | 3.89    | 2.62    | 3.29    | 2.95    | 5.11    | 5.41    | 1.08    |  |
| Sawgrass Lk             | 4340864  | SJRWMD | 9.04                      | 3.44    | 6.10    | 5.43    | 3.64    | 7.86    | 2.84    | 8.50    | 2.88    | 0.35    |  |
| SCOTTO G_R              | 6031     | SFWMD  | 6.36                      | 11.56   | 4.91    | 2.04    | 4.12    | 4.17    | 2.00    | 5.10    | 4.17    | 3.49    |  |
| Seminole Rch            | 670294   | SJRWMD | 10.43                     | 5.31    | 4.41    | 4.60    | 2.88    | 9.41    | 2.17    | 8.87    | 3.23    | 0.19    |  |
| SJR at Beeline          | 630271   | SJRWMD | 7.15                      | 2.16    | 3.05    | 4.36    | 4.37    | 7.72    | 2.65    |         |         |         |  |
| SJR at SR46             | 640275   | SJRWMD | 10.48                     | 5.93    | 2.09    | 4.46    | 1.89    | 10.17   | 1.83    | 8.75    | 3.88    | 0.32    |  |
| Smyrna Dunes            |          | SJRWMD | 6.14                      | 4.30    | 3.28    | 4.38    | 1.55    | 8.26    | 2.69    | 8.99    | 3.72    | 0.35    |  |
| Snyder Fish Frm         | 720120   | SJRWMD | 8.16                      | 6.56    | 3.70    | 1.02    | 9.80    | 5.38    | 4.20    | 5.37    | 5.79    | 2.49    |  |
| South Lk                | 4450882  | SJRWMD | 10.14                     | 5.43    | 2.92    | 3.59    | 3.80    | 11.39   | 2.19    | 10.38   | 3.73    | 0.42    |  |
| Southeast Point         |          | SJRWMD | 6.04                      | 7.35    | 4.62    | 1.80    | 3.22    | 4.05    | 2.61    | 4.84    | 4.76    | 2.71    |  |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         | 3.05    | 1.27    |  |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           |         |         | 1.54    | 5.44    |         |         |         |         |         |  |
| SVWX                    | FI273    | SFWMD  |                           | 8.08    | 5.07    | 1.26    |         |         |         |         | 4.07    |         |  |
| Tiger Bay Rn            | 5190117  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 7.55                      | 9.06    | 4.16    | 3.17    | 3.93    | 11.66   | 2.76    | 8.54    | 4.04    | 0.23    |  |
| Trout Ck Grant          | 780132   | SJRWMD |                           | 6.76    | 11.30   |         |         | 6.16    | 3.32    | 6.57    | 6.22    | 2.71    |  |
| Tucker WS               | 1540705  | SJRWMD | 5.64                      | 2.67    | 6.47    | 1.30    |         | 0.08    | 1.63    |         | 1.44    | 1.27    |  |
| Valkaria Ap             | 750126   | SJRWMD | 5.14                      | 7.75    | 8.78    | 2.31    | 11.48   | 6.20    | 4.61    | 5.46    | 6.12    | 2.85    |  |
| Vero Bch AP             | 1510686  | SJRWMD | 4.71                      | 7.38    | 4.15    | 1.57    | 2.29    | 3.92    | 3.71    | 6.21    | 5.57    | 5.14    |  |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   |                           |         |         |         | 3.07    | 4.81    | 4.43    | 6.96    | 7.21    | 1.51    |  |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 5.54                      | 10.25   | 4.97    | 2.19    | 2.65    | 4.67    | 5.65    | 6.91    | 6.71    | 5.01    |  |
| W Melbourne Rn          | 790135   | SJRWMD | 10.30                     | 7.87    | 6.51    | 2.15    | 1.41    | 7.30    | 5.04    | 4.26    | 4.90    | 0.30    |  |
| West Cnl                | 870172   | SJRWMD | 6.69                      | 10.11   | 5.42    | 1.08    | 6.21    | 5.63    | 5.63    | 5.52    | 6.08    | 2.74    |  |
| Willowbrook TP          | 740124   | SJRWMD | 7.48                      | 5.00    | 6.47    | 2.25    | 13.12   | 5.95    | 4.67    | 5.13    | 5.88    | 2.69    |  |
| Wolf Ck S-163           | 610265   | SJRWMD | 8.51                      | 5.73    | 4.13    | 4.64    | 3.30    | 8.29    | 3.28    | 6.46    | 4.84    | 1.17    |  |
| Yeehaw Junction         | 1330563  | SJRWMD | 8.12                      | 7.97    | 8.36    | 0.94    | 13.48   | 5.32    | 5.78    | 6.86    | 8.52    | 1.03    |  |



| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 1998_05                   | 1998_06 | 1998_07 | 1998_08 | 1998_09 | 1998_10 | 1998_11 | 1998_12 | 1999_01 | 1999_02 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-157                   | 520215   | SJRWMD | 0.69                      | 2.43    | 5.58    | 7.82    | 10.92   |         |         | 0.45    | 3.00    | 0.72    |
| S-164                   | 530225   | SJRWMD |                           |         | 10.12   | 6.56    | 8.07    | 2.01    | 2.81    | 1.83    | 3.71    | 1.13    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 1.72                      | 1.50    |         |         | 11.42   | 2.70    | 4.09    | 0.23    | 2.51    | 1.04    |
| S-96                    | 510206   | SJRWMD | 0.72                      | 1.92    | 8.52    | 3.43    | 6.70    | 1.51    |         |         |         |         |
| S99_R                   | 16672    | SFWMD  |                           | 1.72    |         | 12.96   | 10.03   | 1.66    | 6.80    | 0.67    | 1.61    | 0.86    |
| Sawgrass Lk             | 4340864  | SJRWMD | 0.87                      | 0.98    | 10.33   | 7.20    | 8.12    | 1.35    | 1.30    |         | 3.35    | 0.23    |
| SCOTTO G_R              | 6031     | SFWMD  | 3.27                      | 1.37    | 5.08    | 6.49    | 12.17   | 0.97    | 7.28    | 0.45    | 2.43    | 0.44    |
| Seminole Rch            | 670294   | SJRWMD | 0.38                      | 1.07    | 12.73   |         | 8.93    | 3.42    | 1.76    | 1.52    | 3.02    | 1.01    |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD | 0.60                      | 0.82    | 5.90    | 3.02    | 7.33    |         | 2.22    | 0.85    | 3.59    |         |
| Smyrna Dunes            |          | SJRWMD | 0.76                      | 1.43    | 5.92    | 6.15    | 7.92    | 1.73    | 1.55    | 0.72    | 3.97    | 1.07    |
| Snyder Fish Frm         | 720120   | SJRWMD | 0.81                      | 3.58    | 7.10    | 8.51    |         | 3.24    | 4.74    | 0.37    | 2.48    | 0.79    |
| South Lk                | 4450882  | SJRWMD | 0.05                      | 1.55    | 3.81    | 8.58    | 7.78    | 2.49    | 2.01    | 2.34    | 2.37    | 1.06    |
| Southeast Point         |          | SJRWMD | 1.99                      | 2.23    | 5.16    | 7.18    | 8.31    | 1.60    | 6.28    | 0.47    | 2.55    | 0.55    |
| SR528 SJR               | 1620761  | SJRWMD | 0.50                      | 0.43    | 6.30    | 8.65    | 8.95    | 1.87    | 2.04    | 1.44    | 2.67    | 1.22    |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           | 4.88    | 6.05    | 10.24   |         |         | 7.40    |         |         |         |
| SVWX                    | FI273    | SFWMD  |                           |         |         | 6.81    | 7.60    | 0.93    | 4.21    | 0.99    | 3.07    | 0.67    |
| Tiger Bay Rn            | 5190117  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 1.08                      | 0.82    | 4.99    | 7.09    | 8.71    | 1.12    | 1.96    | 1.99    | 3.04    | 1.63    |
| Trout Ck Grant          | 780132   | SJRWMD | 0.68                      | 1.87    | 6.55    | 9.72    | 8.98    | 1.24    | 4.57    | 0.82    | 2.06    | 0.61    |
| Tucker WS               | 1540705  | SJRWMD | 0.20                      | 1.85    | 9.03    | 6.88    | 7.61    | 0.60    | 0.07    | 1.63    | 1.45    | 0.72    |
| Valkaria Ap             | 750126   | SJRWMD | 0.71                      | 1.17    | 7.06    | 7.17    | 7.05    | 1.40    | 5.16    | 0.98    | 2.46    |         |
| Vero Bch AP             | 1510686  | SJRWMD | 1.16                      | 0.27    | 8.88    | 7.11    | 9.97    | 3.42    | 5.09    | 0.51    | 2.32    | 1.05    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   |                           | 0.98    | 7.90    | 9.54    | 9.57    | 4.84    |         | 0.92    | 2.18    | 1.38    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 1.24                      | 0.30    | 8.70    | 11.63   | 9.59    | 3.54    | 4.82    | 0.73    | 2.33    | 0.98    |
| W Melbourne Rn          | 790135   | SJRWMD | 1.35                      | 1.15    | 11.96   | 6.95    | 8.81    | 2.05    | 1.22    | 1.75    | 3.31    | 0.51    |
| West Cnl                | 870172   | SJRWMD | 0.81                      | 1.55    | 5.40    | 7.40    | 11.12   | 3.29    | 5.52    | 0.57    | 2.85    | 0.92    |
| Willowbrook TP          | 740124   | SJRWMD | 2.12                      | 2.11    |         |         | 9.40    | 2.81    | 4.50    | 0.97    | 1.60    | 0.59    |
| Wolf Ck S-163           | 610265   | SJRWMD | 0.57                      | 0.56    | 8.09    | 2.88    |         |         | 2.65    |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 0.67                      | 3.27    | 8.16    | 6.60    | 5.36    | 1.95    | 3.73    | 0.67    | 2.02    | 1.49    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 1999_03                   | 1999_04 | 1999_05 | 1999_06 | 1999_07 | 1999_08 | 1999_09 | 1999_10 | 1999_11 | 1999_12 |
| Barefoot Bay            | 730122   | SJRWMD | 0.36                      | 1.33    | 2.28    | 9.38    | 0.98    | 6.42    | 6.63    | 11.69   | 2.11    | 1.84    |
| BCMCA E                 | 1240511  | SJRWMD | 0.28                      | 3.42    | 7.09    | 9.43    | 4.08    | 9.01    | 8.47    | 10.73   | 1.14    | 1.85    |
| BCWMA E 1               | 1250526  | SJRWMD | 0.32                      | 3.05    | 3.22    | 7.00    | 1.14    | 9.96    |         | 9.26    | 1.84    | 1.55    |
| Big Flounder            | 1390643  | SJRWMD | 0.75                      | 1.43    | 2.60    | 4.20    | 0.49    | 6.25    | 13.36   | 11.22   | 2.23    | 2.59    |
| C-58                    | 590263   | SJRWMD | 1.45                      | 2.80    | 3.24    | 6.76    | 0.97    | 9.67    | 8.61    |         | 1.36    | 2.11    |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD | 0.94                      | 1.50    | 6.03    | 9.40    | 0.66    | 6.58    | 12.46   | 11.49   | 1.96    | 2.15    |
| Cananvernal Air Strip   |          | SJRWMD | 0.76                      | 1.61    | 3.46    | 8.47    | 1.76    | 7.45    | 11.34   | 9.80    | 1.80    | 2.08    |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 1.01                      | 1.48    | 1.47    |         | 4.03    | 3.58    | 7.05    | 7.84    | 3.12    | 1.56    |
| Duda WS                 | 18854247 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Far Reach Rch           | 580260   | SJRWMD | 0.70                      | 1.26    | 1.87    | 11.30   | 2.49    | 11.20   | 7.10    | 11.32   | 0.66    | 2.39    |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   | 0.25                      | 2.55    |         | 13.49   | 4.02    |         | 8.62    | 13.88   | 1.90    | 0.70    |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | 0.57                      | 3.29    | 4.10    | 10.45   | 0.82    | 9.38    | 11.06   | 14.29   | 2.04    | 1.23    |
| Fox Lk                  | 690313   | SJRWMD | 0.46                      | 1.73    | 4.91    | 8.31    | 1.86    | 10.44   | 10.73   |         |         | 2.71    |
| Fox Lk Rn               | 30242801 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FT PIERC_R              | 6116     | SFWMD  | 0.85                      | 1.82    | 4.05    |         |         | 9.08    | 12.05   |         | 1.41    |         |
| Ft. Drum Weather        | 1350579  | SJRWMD | 0.30                      | 1.56    | 4.94    | 11.36   | 1.83    | 10.75   | 9.30    | 9.22    | 0.83    | 1.20    |
| FT. PIER_R              | 6015     | SFWMD  | 0.33                      | 2.33    | 1.46    | 7.14    | 2.14    | 3.85    | 7.05    | 11.07   | 0.77    | 1.82    |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Haulover Canal          | 2248380  | USGS   | 0.18                      | 0.73    | 3.66    | 2.76    | 1.15    | 4.05    | 9.50    | 6.35    | 2.36    | 1.16    |
| I-95 RS                 | 760128   | SJRWMD | 0.60                      | 1.98    | 7.66    | 7.92    | 1.19    | 9.01    | 7.90    | 10.62   | 1.87    | 2.11    |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           | 1.73    |         |         | 1.20    | 8.65    |         |         |         | 2.60    |
| Kiwanis Pk              | 1500682  | SJRWMD | 0.92                      | 1.72    | 5.15    | 15.32   | 1.48    | 11.93   | 9.76    | 10.22   | 2.92    | 2.51    |
| Lk Ashby                | 3200347  | SJRWMD | 1.20                      | 3.06    |         |         |         |         |         |         |         |         |
| Lt Sawgrass Lk          | 1570741  | SJRWMD | 1.04                      | 2.62    | 3.76    |         | 1.17    | 7.43    | 8.18    |         | 1.22    | 1.72    |
| MAXCEY_N_R              | 5871     | SFWMD  | 0.92                      | 1.36    | 3.47    | 13.73   | 4.08    | 5.87    | 8.89    | 7.24    | 1.21    | 2.11    |
| Melbourne Rn            | 4120696  | SJRWMD | 0.82                      | 2.37    | 6.03    | 7.93    | 1.85    | 5.76    | 14.40   | 9.68    | 2.09    | 2.53    |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 0.80                      | 1.00    | 4.54    | 6.96    | 2.41    | 5.39    | 17.58   | 11.69   | 1.85    | 2.10    |
| MELBOURNE WSO           | 85612    | NOAA   | 0.61                      | 1.25    | 6.50    | 5.67    | 1.20    | 6.82    | 17.10   | 13.38   | 2.47    | 2.41    |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 0.56                      | 2.40    | 5.43    | 13.84   | 5.14    | 4.50    | 6.40    | 8.40    | 2.13    | 2.65    |
| Ormond Bch Rn           | 1070077  | SJRWMD | 0.76                      | 1.34    | 1.76    | 5.63    | 3.23    | 4.43    | 10.32   | 6.27    | 2.03    | 1.26    |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 0.72                      | 1.98    | 6.50    | 8.93    | 2.08    | 5.45    | 8.99    | 12.74   | 2.21    | 1.98    |
| Palm Bay STP            | 1000410  | SJRWMD | 0.57                      | 0.94    | 8.77    | 6.37    | 0.64    | 8.66    | 11.98   | 11.51   | 2.50    | 2.82    |
| Parrish Pk Rn           | 1480674  | SJRWMD | 0.88                      | 1.78    | 2.60    | 5.91    | 1.38    | 5.73    | 13.72   | 11.88   | 2.35    | 2.46    |
| Patrick Air Force Base  | 747950   |        | 0.80                      | 1.00    | 4.54    | 6.96    | 2.41    | 5.39    | 17.58   | 11.69   | 1.85    | 2.10    |
| Playalinda              | 1490678  | SJRWMD | 0.67                      | 1.54    | 2.50    | 5.42    | 2.07    | 3.28    |         |         |         | 1.35    |
| Ponce Inlet Weather     | 18073682 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 1999_03                   | 1999_04 | 1999_05 | 1999_06 | 1999_07 | 1999_08 | 1999_09 | 1999_10 | 1999_11 | 1999_12 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-157                   | 520215   | SJRWMD | 0.17                      | 1.39    | 5.38    | 10.11   | 1.42    | 12.22   | 6.72    | 12.84   | 2.47    | 2.10    |
| S-164                   | 530225   | SJRWMD | 0.59                      | 2.50    |         |         | 3.83    |         | 8.17    |         | 1.66    | 2.60    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 0.35                      | 2.54    | 5.22    | 12.23   | 2.73    | 11.31   | 9.88    | 8.16    | 2.27    | 1.58    |
| S-96                    | 510206   | SJRWMD | 0.22                      | 2.09    | 4.04    | 8.32    | 1.99    |         | 5.52    | 11.39   | 1.32    | 2.94    |
| S99_R                   | 16672    | SFWMD  | 1.13                      | 2.56    | 4.58    | 6.90    | 2.56    | 6.95    | 6.28    | 11.80   | 1.84    | 0.68    |
| Sawgrass Lk             | 4340864  | SJRWMD | 1.49                      | 1.54    | 3.32    | 8.36    | 3.55    | 4.83    | 12.36   | 6.70    | 3.43    | 1.46    |
| SCOTTO G_R              | 6031     | SFWMD  | 0.49                      |         | 2.84    | 15.21   | 1.95    | 6.09    | 7.01    | 10.45   | 0.94    | 1.36    |
| Seminole Rch            | 670294   | SJRWMD | 0.46                      | 2.27    | 3.66    | 5.81    | 1.69    | 7.11    | 9.35    | 10.04   |         | 2.18    |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD | 0.81                      | 2.12    | 6.12    | 8.01    | 2.97    | 3.28    | 5.68    | 8.78    | 2.99    | 2.23    |
| Smyrna Dunes            |          | SJRWMD | 1.15                      | 2.05    | 3.14    | 6.76    | 3.99    | 4.44    | 10.59   | 5.67    | 2.56    | 1.56    |
| Snyder Fish Frm         | 720120   | SJRWMD | 0.16                      | 1.78    | 2.18    | 11.66   | 1.56    | 9.76    | 7.80    | 13.07   | 1.19    | 2.74    |
| South Lk                | 4450882  | SJRWMD | 0.88                      | 2.17    | 4.93    | 8.60    |         | 10.15   |         | 9.16    | 3.50    | 3.60    |
| Southeast Point         |          | SJRWMD | 0.64                      | 2.31    | 2.84    | 10.59   | 2.88    | 7.32    | 6.59    | 9.30    | 0.54    | 0.78    |
| SR528 SJR               | 1620761  | SJRWMD | 0.82                      | 1.70    | 4.38    | 12.27   | 0.91    | 9.47    | 9.77    | 8.51    | 1.85    | 2.54    |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           |         |         |         |         |         |         |         |         |         |
| SVWX                    | FI273    | SFWMD  | 0.52                      | 2.38    | 4.19    | 8.46    | 1.50    | 6.99    | 5.94    | 12.75   | 1.50    | 0.94    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 0.79                      | 0.88    | 1.79    | 9.84    | 3.87    | 4.63    | 10.02   | 7.55    | 2.83    | 1.60    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 0.43                      | 1.43    | 5.51    | 6.19    | 3.76    | 8.03    | 13.50   | 8.21    | 2.85    | 2.91    |
| Trout Ck Grant          | 780132   | SJRWMD | 0.29                      | 2.40    |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD | 0.52                      | 1.99    | 2.61    | 7.09    |         | 10.15   | 6.70    | 9.81    | 0.58    | 2.25    |
| Valkaria Ap             | 750126   | SJRWMD |                           | 1.12    | 6.60    | 7.31    | 0.91    |         | 7.98    | 10.94   | 3.10    | 2.48    |
| Vero Bch AP             | 1510686  | SJRWMD | 0.58                      | 1.00    | 3.58    | 11.17   | 1.98    | 6.99    | 8.66    | 10.75   | 3.13    | 1.15    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 0.63                      | 1.93    | 3.28    | 7.10    | 4.10    | 5.58    |         | 13.50   |         | 0.79    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 0.54                      | 1.25    | 4.02    | 11.95   | 2.78    | 7.17    |         | 11.66   | 2.88    | 1.35    |
| W Melbourne Rn          | 790135   | SJRWMD | 0.73                      | 1.67    | 5.71    | 7.92    | 1.12    | 4.99    |         | 11.37   | 1.88    | 2.11    |
| West Cnl                | 870172   | SJRWMD | 0.31                      | 4.22    | 7.22    | 10.24   | 0.49    | 10.01   | 5.80    | 13.71   | 3.45    |         |
| Willowbrook TP          | 740124   | SJRWMD | 0.44                      | 3.33    | 3.70    | 9.92    | 4.41    | 8.54    | 6.93    | 10.74   |         | 2.01    |
| Wolf Ck S-163           | 610265   | SJRWMD | 0.79                      | 1.75    | 1.97    | 9.32    | 2.64    | 10.05   | 8.86    | 10.26   | 1.66    | 2.54    |
| Yeehaw Junction         | 1330563  | SJRWMD | 0.29                      | 2.19    | 4.19    | 12.24   | 2.13    | 12.56   | 6.92    | 9.50    | 0.60    | 1.74    |



| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2000_01                   | 2000_02 | 2000_03 | 2000_04 | 2000_05 | 2000_06 | 2000_07 | 2000_08 | 2000_09 | 2000_10 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD |                           |         |         |         |         |         | 3.91    | 1.44    | 9.48    | 3.50    |
| S-157                   | 520215   | SJRWMD | 2.55                      | 0.31    |         |         |         |         | 7.63    | 11.53   | 1.53    | 8.07    |
| S-164                   | 530225   | SJRWMD | 1.77                      | 0.27    | 2.19    | 0.97    | 1.37    | 3.51    |         | 1.57    | 11.92   | 3.40    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 1.98                      | 0.56    | 1.72    |         |         | 3.61    | 10.40   | 1.85    | 5.29    | 2.98    |
| S-96                    | 510206   | SJRWMD | 2.55                      | 0.22    | 1.80    | 2.40    |         |         | 9.97    | 2.22    | 4.81    | 2.40    |
| S99_R                   | 16672    | SFWMD  | 1.94                      | 1.26    | 1.82    | 2.30    |         | 5.74    | 7.19    | 5.14    | 3.03    | 4.76    |
| Sawgrass Lk             | 4340864  | SJRWMD | 2.11                      | 0.28    | 6.97    | 1.21    | 0.95    | 2.15    | 3.19    | 2.57    | 8.94    | 0.70    |
| SCOTTO G_R              | 6031     | SFWMD  | 1.66                      | 1.37    | 1.76    | 2.11    |         | 8.16    | 5.38    | 2.09    | 2.45    | 3.27    |
| Seminole Rch            | 670294   | SJRWMD | 1.47                      | 0.42    | 1.15    | 1.45    | 0.93    | 4.65    | 3.10    | 1.95    | 6.62    | 2.25    |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD | 1.88                      | 0.59    | 0.58    | 1.97    | 0.05    | 8.20    | 2.62    | 2.35    | 4.92    | 3.02    |
| Smyrna Dunes            |          | SJRWMD | 1.36                      | 0.85    | 3.21    | 1.34    | 0.36    | 3.64    | 5.14    | 3.53    | 6.17    | 0.47    |
| Snyder Fish Frm         | 720120   | SJRWMD | 2.88                      | 0.24    | 2.79    | 2.73    |         | 8.49    |         | 1.45    | 6.57    | 4.10    |
| South Lk                | 4450882  | SJRWMD | 1.77                      | 1.28    | 1.19    | 1.75    | 1.60    | 6.91    | 7.07    | 2.46    | 9.48    | 3.75    |
| Southeast Point         |          | SJRWMD | 1.64                      | 1.00    | 1.76    | 2.37    | 0.47    | 5.26    | 6.82    | 2.88    | 4.18    | 2.64    |
| SR528 SJR               | 1620761  | SJRWMD | 1.59                      | 0.13    | 1.41    | 1.10    | 0.76    | 4.78    | 7.86    | 2.53    | 9.74    | 2.03    |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           |         |         |         |         |         |         |         |         |         |
| SVWX                    | FI273    | SFWMD  | 1.64                      | 1.36    | 4.38    |         |         | 4.54    | 7.13    | 2.07    | 2.17    | 6.84    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 1.49                      | 1.17    |         | 2.27    | 0.23    | 5.10    | 4.31    | 2.03    | 7.37    | 1.26    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 2.12                      | 0.95    | 1.39    | 1.97    | 0.38    | 5.45    | 5.77    | 1.43    | 8.52    | 2.50    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD | 1.66                      | 0.24    | 1.47    | 3.28    | 1.17    | 4.15    | 9.93    | 3.45    | 2.49    |         |
| Valkaria Ap             | 750126   | SJRWMD | 2.23                      | 0.18    | 2.06    | 2.16    | 0.10    |         |         | 4.01    | 7.94    | 5.19    |
| Vero Bch AP             | 1510686  | SJRWMD | 3.19                      | 1.05    | 2.67    | 1.42    | 0.09    | 6.22    | 10.43   | 4.19    | 6.77    | 5.90    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 2.50                      | 0.84    | 2.28    | 2.28    | 0.55    | 5.11    | 9.74    | 3.10    | 9.32    | 5.99    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 2.88                      | 1.15    | 2.41    | 1.95    | 0.36    | 6.55    | 11.55   | 4.53    | 7.83    | 7.15    |
| W Melbourne Rn          | 790135   | SJRWMD | 2.82                      | 0.30    | 2.54    | 2.23    |         | 6.13    | 11.91   | 2.34    | 4.63    | 3.93    |
| West Cnl                | 870172   | SJRWMD |                           |         | 2.26    | 2.17    | 0.09    | 6.07    | 10.55   | 1.78    | 5.47    | 6.30    |
| Willowbrook TP          | 740124   | SJRWMD | 2.70                      | 0.15    | 2.90    | 2.24    |         | 2.98    |         | 3.77    | 3.82    | 4.11    |
| Wolf Ck S-163           | 610265   | SJRWMD | 1.30                      | 0.18    | 1.79    | 1.10    | 0.47    | 3.13    | 10.58   | 4.62    | 12.72   | 3.60    |
| Yeehaw Junction         | 1330563  | SJRWMD | 1.74                      | 0.16    | 0.90    | 3.30    | 0.06    | 3.81    | 8.90    | 2.94    | 4.85    | 2.13    |





| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2000_11                   | 2000_12 | 2001_01 | 2001_02 | 2001_03 | 2001_04 | 2001_05 | 2001_06 | 2001_07 | 2001_08 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 0.92                      | 1.56    | 1.41    | 1.18    | 6.18    | 0.77    | 3.98    | 9.70    | 14.63   | 7.45    |
| S-157                   | 520215   | SJRWMD | 0.07                      | 0.80    | 0.27    | 0.50    | 3.48    | 1.04    |         | 7.09    | 17.02   | 5.66    |
| S-164                   | 530225   | SJRWMD | 0.74                      | 0.94    | 0.89    | 0.70    |         | 0.24    | 5.26    | 3.93    | 7.75    | 5.62    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 0.15                      | 0.80    | 0.26    |         | 5.92    | 0.29    | 4.87    | 6.63    | 11.08   |         |
| S-96                    | 510206   | SJRWMD | 0.19                      | 0.89    |         |         | 3.13    | 1.95    | 6.04    |         |         |         |
| S99_R                   | 16672    | SFWMD  | 0.06                      | 1.09    | 0.48    | 0.03    | 3.52    | 1.83    | 6.48    | 5.28    | 15.89   | 6.25    |
| Sawgrass Lk             | 4340864  | SJRWMD | 1.32                      | 0.60    | 0.89    |         | 10.09   | 1.03    | 1.31    | 7.47    | 11.82   | 5.12    |
| SCOTTO G_R              | 6031     | SFWMD  | 0.22                      | 0.41    | 0.66    | 0.07    | 3.02    | 0.73    | 2.37    |         | 6.82    | 8.78    |
| Seminole Rch            | 670294   | SJRWMD | 1.11                      | 1.21    | 1.35    | 0.30    | 5.21    |         | 2.64    | 5.01    | 6.95    | 10.68   |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD | 1.00                      | 1.07    | 0.67    | 0.24    | 6.04    | 1.34    |         | 3.29    | 7.63    | 4.93    |
| Smyrna Dunes            |          | SJRWMD | 1.06                      | 0.88    | 0.99    | 0.66    | 8.01    | 0.62    | 1.76    | 6.09    | 8.29    | 5.39    |
| Snyder Fish Frm         | 720120   | SJRWMD | 0.02                      | 1.24    | 0.27    | 0.05    | 3.14    | 0.57    | 5.85    | 7.39    |         | 8.54    |
| South Lk                | 4450882  | SJRWMD | 0.93                      | 1.24    | 1.05    | 0.71    | 6.74    | 0.20    | 4.71    | 8.43    | 16.02   | 8.93    |
| Southeast Point         |          | SJRWMD | 0.20                      | 0.63    | 0.69    | 0.04    | 3.58    | 0.47    | 3.40    | 5.61    | 8.23    | 8.04    |
| SR528 SJR               | 1620761  | SJRWMD | 0.62                      |         |         |         |         | 0.43    | 5.60    | 6.46    | 9.23    | 3.04    |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           |         |         | 0.95    |         |         |         |         |         |         |
| SVWX                    | FI273    | SFWMD  | 1.01                      | 0.67    | 1.71    | 0.31    | 3.18    | 1.01    | 1.98    | 7.19    | 8.87    | 10.56   |
| Tiger Bay Rn            | 5190117  | SJRWMD | 1.07                      | 1.07    | 0.67    | 0.87    |         | 0.44    | 1.67    | 5.92    | 11.04   | 5.60    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 0.86                      | 1.39    |         | 1.67    |         |         |         | 7.13    |         | 6.84    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD | 0.29                      | 0.41    | 0.27    | 0.17    | 3.38    | 0.41    |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD | 0.28                      | 0.44    | 0.34    | 1.11    | 3.66    | 1.47    | 3.83    | 6.73    | 9.23    | 3.31    |
| Vero Bch AP             | 1510686  | SJRWMD | 0.47                      | 0.37    | 0.61    | 0.08    | 3.84    | 0.33    | 3.06    | 5.52    | 6.81    | 7.12    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 0.22                      | 0.52    | 0.66    | 0.14    | 5.34    | 0.45    | 2.90    | 5.97    | 6.23    | 8.92    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 0.50                      | 0.42    | 0.84    | 0.04    | 4.42    | 0.45    | 3.83    | 5.14    | 7.61    | 7.05    |
| W Melbourne Rn          | 790135   | SJRWMD | 0.29                      | 0.23    | 0.33    | 1.38    | 3.33    | 1.05    | 5.18    |         |         | 5.81    |
| West Cnl                | 870172   | SJRWMD | 0.05                      | 0.74    | 0.40    | 0.07    | 4.01    | 0.49    | 4.96    | 6.73    | 10.81   | 5.45    |
| Willowbrook TP          | 740124   | SJRWMD | 0.36                      |         |         | 0.40    | 3.73    | 0.53    | 7.57    |         |         | 5.70    |
| Wolf Ck S-163           | 610265   | SJRWMD | 0.46                      | 0.90    | 1.38    | 0.48    | 4.84    | 0.31    | 6.85    | 5.56    | 7.03    | 7.29    |
| Yeehaw Junction         | 1330563  | SJRWMD | 0.52                      | 1.04    | 0.31    |         | 4.21    | 0.23    | 6.62    |         | 8.07    | 10.58   |



| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2001_09                   | 2001_10 | 2001_11 | 2001_12 | 2002_01 | 2002_02 | 2002_03 | 2002_04 | 2002_05 | 2002_06 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 12.84                     | 4.04    | 6.60    | 0.87    | 2.05    | 4.41    | 1.56    | 1.18    | 2.34    | 14.30   |
| S-157                   | 520215   | SJRWMD | 15.31                     | 2.31    | 2.00    | 1.23    | 2.34    | 4.40    | 0.78    |         |         |         |
| S-164                   | 530225   | SJRWMD | 10.07                     | 7.27    | 1.84    | 0.89    | 1.91    | 3.53    | 0.25    | 1.40    | 2.61    | 13.34   |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 11.93                     |         |         |         | 1.54    | 3.90    | 0.66    | 2.19    | 3.13    | 15.67   |
| S-96                    | 510206   | SJRWMD |                           |         | 1.38    | 1.00    | 1.53    | 2.64    | 0.25    | 1.18    | 3.01    | 13.79   |
| S99_R                   | 16672    | SFWMD  |                           | 3.79    | 2.16    | 0.30    | 1.20    | 5.28    | 0.31    | 3.23    | 4.94    | 8.91    |
| Sawgrass Lk             | 4340864  | SJRWMD | 18.27                     | 5.86    | 6.46    | 0.28    | 2.48    | 2.33    | 2.13    | 0.86    | 1.09    |         |
| SCOTTO G_R              | 6031     | SFWMD  | 7.31                      | 3.02    | 3.18    | 0.56    | 1.77    | 3.69    | 0.84    | 3.40    | 3.92    | 5.13    |
| Seminole Rch            | 670294   | SJRWMD | 9.54                      | 4.65    | 3.85    |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD | 4.50                      | 3.06    |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 13.41                     | 2.10    | 5.08    | 0.64    | 0.91    | 3.05    | 1.91    | 1.51    | 1.64    | 10.70   |
| Snyder Fish Frm         | 720120   | SJRWMD | 13.50                     | 2.28    | 1.48    | 1.15    | 2.11    | 2.19    | 0.49    | 0.96    | 4.34    | 22.69   |
| South Lk                | 4450882  | SJRWMD | 9.41                      | 5.21    | 6.15    | 1.26    | 2.44    | 3.14    | 0.79    | 1.27    | 2.93    |         |
| Southeast Point         |          | SJRWMD | 9.07                      | 4.10    | 1.99    | 0.72    | 0.45    | 2.81    | 0.48    | 2.23    | 3.07    | 8.25    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           |         |         |         |         |         |         |         |         |         |
| SVWX                    | FI273    | SFWMD  | 13.07                     |         | 6.16    | 1.11    | 1.69    | 3.20    | 0.61    | 4.47    |         | 2.68    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 20.18                     | 2.39    | 6.09    | 0.57    | 1.94    | 2.58    | 1.51    | 1.78    | 1.75    | 13.73   |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   |                           | 3.79    | 6.00    | 0.97    | 2.58    | 4.00    | 0.42    | 1.12    | 1.89    | 11.51   |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD | 11.27                     | 3.14    | 1.52    |         |         |         | 0.71    | 1.61    | 3.38    | 12.29   |
| Vero Bch AP             | 1510686  | SJRWMD | 11.27                     | 3.71    | 2.63    | 0.79    | 1.80    | 5.03    | 0.36    | 4.01    | 4.50    | 15.07   |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   |                           |         |         |         |         |         |         |         |         |         |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 12.20                     | 4.14    |         | 0.80    | 1.83    | 4.90    | 0.25    | 3.37    | 3.60    | 15.08   |
| W Melbourne Rn          | 790135   | SJRWMD | 10.09                     | 5.56    | 1.75    | 1.02    | 2.08    | 2.77    | 0.63    | 1.66    |         |         |
| West Cnl                | 870172   | SJRWMD | 11.85                     | 1.82    | 2.17    |         | 1.96    | 3.41    | 0.89    | 1.68    |         |         |
| Willowbrook TP          | 740124   | SJRWMD | 10.43                     | 7.61    | 2.31    | 0.99    | 1.95    | 2.81    | 0.48    | 1.11    | 2.67    | 9.65    |
| Wolf Ck S-163           | 610265   | SJRWMD | 7.41                      | 3.46    | 2.55    | 0.65    | 1.40    | 3.80    |         |         | 1.57    | 14.76   |
| Yeehaw Junction         | 1330563  | SJRWMD | 11.27                     | 3.25    | 0.94    | 0.47    | 2.23    | 2.87    | 0.13    | 2.63    | 1.49    | 23.32   |



| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2002_07                   | 2002_08 | 2002_09 | 2002_10 | 2002_11 | 2002_12 | 2003_01 | 2003_02 | 2003_03 | 2003_04 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 5.79                      | 8.66    | 2.37    | 3.36    | 1.63    | 10.62   | 1.15    | 2.68    | 4.89    | 1.66    |
| S-157                   | 520215   | SJRWMD |                           | 8.01    | 5.28    | 1.86    | 1.97    | 7.08    | 1.18    |         | 3.74    | 3.00    |
| S-164                   | 530225   | SJRWMD | 8.75                      | 9.31    | 5.76    | 2.70    | 1.81    | 11.30   | 0.48    | 1.69    | 4.50    | 2.44    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 7.76                      | 6.43    | 3.00    | 0.68    | 2.30    | 4.83    | 1.16    | 0.69    | 3.44    | 2.35    |
| S-96                    | 510206   | SJRWMD | 6.15                      | 4.64    | 2.97    | 1.08    | 1.60    | 6.60    | 1.63    | 1.43    | 4.00    | 2.31    |
| S99_R                   | 16672    | SFWMD  |                           | 9.26    | 5.13    | 1.74    | 2.60    | 4.93    | 1.79    | 0.33    | 3.22    | 2.31    |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  | 8.08                      | 4.62    | 3.08    |         | 1.96    |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 6.23                      | 9.13    | 4.41    | 1.44    | 1.97    | 9.58    | 0.58    | 4.22    | 8.48    | 1.74    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 7.52                      | 5.19    | 3.80    | 0.66    | 1.98    | 3.25    | 1.42    | 0.58    | 3.59    | 2.72    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           |         |         |         |         |         |         |         |         | 3.47    |
| SWWX                    | FI273    | SFWMD  |                           |         | 1.08    | 0.44    | 2.11    |         | 1.38    | 0.53    | 4.51    |         |
| Tiger Bay Rn            | 5190117  | SJRWMD | 9.88                      | 13.65   | 4.26    | 1.23    | 2.12    | 9.82    | 0.54    | 5.09    | 11.04   | 2.05    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 7.73                      | 9.52    | 4.46    | 2.99    |         |         |         |         | 6.22    | 1.95    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD | 6.86                      |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 7.84                      | 9.48    | 1.85    | 1.29    | 1.97    | 5.39    | 1.71    | 0.93    | 3.46    | 3.89    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   |                           |         |         |         |         |         |         |         |         |         |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   |                           |         |         |         |         | 5.50    | 1.84    | 1.41    | 4.09    |         |
| W Melbourne Rn          | 790135   | SJRWMD | 8.26                      | 7.91    | 1.84    | 1.47    | 2.01    | 5.41    | 1.81    | 0.94    | 3.18    | 4.09    |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD | 11.59                     |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 10.74                     | 2.36    |         | 1.02    | 2.69    | 7.79    | 1.02    | 1.24    | 3.96    | 3.58    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |  |  |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|--|
|                         |          |        | 2003_05                   | 2003_06 | 2003_07 | 2003_08 | 2003_09 | 2003_10 | 2003_11 | 2003_12 | 2004_01 | 2004_02 |  |  |
| Barefoot Bay            | 730122   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| BCMCA E                 | 1240511  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| Big Flounder            | 1390643  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| C-58                    | 590263   | SJRWMD | 0.73                      | 8.32    | 8.77    | 12.50   | 5.87    | 2.28    | 3.60    | 2.50    | 2.27    | 2.39    |  |  |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| Cananveral Air Strip    |          | SJRWMD | 1.15                      | 8.30    | 6.58    | 7.90    | 6.06    | 1.14    | 1.91    | 2.32    | 2.33    | 3.72    |  |  |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 0.96                      | 7.05    | 7.30    | 6.55    | 4.15    | 7.95    | 4.75    | 1.53    | 1.25    | 4.47    |  |  |
| Duda WS                 | 18854247 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| Far Reach Rch           | 580260   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   | 3.74                      |         | 11.79   | 10.16   | 9.89    | 1.47    |         |         | 2.76    |         |  |  |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | 6.32                      | 6.74    | 4.62    | 10.18   | 8.58    | 1.43    | 4.14    | 1.09    | 2.31    | 4.78    |  |  |
| Fox Lk                  | 690313   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| Fox Lk Rn               | 30242801 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| FT PIERC_R              | 6116     | SFWMD  | 3.29                      | 5.14    | 5.55    | 7.54    | 9.02    | 1.59    | 6.30    | 1.88    | 1.67    | 3.45    |  |  |
| Ft. Drum Weather        | 1350579  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| FT. PIER_R              | 6015     | SFWMD  | 5.69                      |         | 6.57    | 7.91    |         |         |         |         |         |         |  |  |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| Haulover Canal          | 2248380  | USGS   | 0.70                      | 9.29    | 5.21    | 6.87    | 8.42    | 0.44    | 0.20    | 1.59    | 2.42    | 6.27    |  |  |
| I-95 RS                 | 760128   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| Kiwanis Pk              | 1500682  | SJRWMD | 0.71                      | 9.16    | 7.49    | 5.29    | 6.88    | 1.02    | 1.17    | 2.03    | 1.78    | 2.92    |  |  |
| Lk Ashby                | 3200347  | SJRWMD | 2.18                      | 7.49    | 7.32    | 6.59    | 3.79    | 6.46    | 2.38    | 1.31    | 1.88    | 2.84    |  |  |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| MAXCEY N_R              | 5871     | SFWMD  | 2.34                      | 7.07    | 7.28    | 15.29   | 7.13    | 1.32    | 2.60    | 2.82    | 2.02    | 2.26    |  |  |
| Melbourne Rn            | 4120696  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |  |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 0.75                      | 9.83    | 3.21    | 5.74    | 4.39    | 1.66    | 1.59    | 2.43    | 1.98    | 2.16    |  |  |
| MELBOURNE WSO           | 85612    | NOAA   | 1.22                      | 11.73   | 4.44    | 6.92    | 5.03    | 0.93    | 1.49    | 3.61    | 1.48    | 3.75    |  |  |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 2.43                      | 6.56    | 8.26    | 11.90   | 5.75    | 1.82    | 2.42    | 1.56    | 3.27    | 4.53    |  |  |
| Ormond Bch Rn           | 1070077  | SJRWMD | 1.99                      | 8.80    | 9.07    | 3.53    | 3.83    | 4.83    | 3.46    | 1.36    | 1.48    | 4.73    |  |  |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 1.94                      | 7.72    | 5.15    | 9.72    | 6.62    | 0.58    | 1.99    | 2.50    | 2.13    | 2.55    |  |  |
| Palm Bay STP            | 1000410  | SJRWMD | 1.31                      | 9.06    | 5.26    | 7.74    | 6.76    | 0.88    | 0.85    | 2.44    | 2.32    | 3.18    |  |  |
| Parrish Pk Rn           | 1480674  | SJRWMD | 0.88                      | 8.46    | 10.80   |         | 4.94    | 1.54    | 1.70    | 1.54    | 2.42    | 4.01    |  |  |
| Patrick Air Force Base  | 747950   |        | 0.75                      | 9.83    | 3.21    | 5.74    | 4.39    | 1.66    | 1.59    | 2.43    | 1.98    | 2.16    |  |  |
| Playalinda              | 1490678  | SJRWMD | 0.67                      | 6.36    | 4.96    | 6.47    | 5.21    | 2.84    | 1.17    | 1.38    | 1.25    | 4.30    |  |  |
| Ponce Inlet Weather     | 18073682 | SJRWMD | 0.93                      | 7.05    | 4.81    | 3.51    | 9.03    | 7.99    | 1.31    | 1.48    | 1.22    | 3.68    |  |  |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2003_05                   | 2003_06 | 2003_07 | 2003_08 | 2003_09 | 2003_10 | 2003_11 | 2003_12 | 2004_01 | 2004_02 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 0.60                      | 9.59    | 6.77    | 4.00    | 10.80   | 1.86    | 1.44    | 2.02    | 2.41    | 4.77    |
| S-157                   | 520215   | SJRWMD | 1.78                      | 11.58   | 2.12    | 7.49    | 4.77    | 1.12    | 2.62    | 3.35    | 2.20    | 2.71    |
| S-164                   | 530225   | SJRWMD | 2.25                      | 6.82    | 7.37    | 8.98    | 6.80    | 0.58    | 1.66    | 1.68    | 2.45    | 3.28    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 2.26                      | 8.47    | 7.67    | 12.81   | 5.96    | 1.18    | 1.96    | 2.98    | 2.14    | 2.81    |
| S-96                    | 510206   | SJRWMD | 1.85                      | 10.14   | 6.86    | 6.96    | 5.09    | 1.28    | 2.42    | 2.83    | 1.80    | 2.37    |
| S99_R                   | 16672    | SFWMD  | 4.91                      | 9.38    | 7.19    | 12.17   | 6.13    | 1.60    | 4.18    | 2.24    | 1.92    | 5.19    |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 1.74                      | 7.64    | 7.36    | 5.45    | 4.40    | 3.77    | 1.86    | 1.73    | 1.80    | 4.05    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 4.13                      | 6.06    | 6.12    | 8.88    | 6.59    | 0.98    | 2.93    | 2.05    | 2.36    | 2.94    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           |         |         |         |         |         |         |         |         |         |
| SVWX                    | FI273    | SFWMD  |                           |         | 2.28    | 3.65    | 4.27    | 0.45    |         | 1.77    | 2.79    | 2.32    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 1.03                      | 9.41    | 10.14   | 8.04    | 5.26    | 4.59    | 3.43    | 1.75    | 1.21    | 4.10    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 1.56                      | 10.03   | 6.14    | 7.54    | 7.10    | 1.07    | 2.46    | 1.80    | 2.36    | 5.21    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 2.71                      | 7.80    | 2.37    | 7.49    | 7.97    | 0.71    | 2.72    | 3.45    | 2.75    | 2.70    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 3.80                      | 9.46    | 2.63    | 7.94    | 7.94    | 0.81    | 3.29    | 4.00    | 1.88    | 3.30    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 3.07                      | 8.56    | 1.30    | 7.32    | 8.02    | 0.77    | 3.17    | 3.20    | 2.78    | 2.95    |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 0.96                      | 7.22    | 7.33    | 10.37   | 7.68    | 0.23    | 4.09    | 3.65    | 2.12    | 2.91    |



| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2004_03                   | 2004_04 | 2004_05 | 2004_06 | 2004_07 | 2004_08 | 2004_09 | 2004_10 | 2004_11 | 2004_12 |
| Barefoot Bay            | 730122   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCMCA E                 | 1240511  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Big Flounder            | 1390643  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| C-58                    | 590263   | SJRWMD | 1.26                      | 1.71    | 0.80    | 7.57    | 4.38    | 17.85   |         | 2.42    | 0.94    | 3.02    |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Cananveral Air Strip    |          | SJRWMD | 0.91                      | 1.93    | 0.76    | 7.58    | 5.61    | 11.46   | 14.84   | 2.97    | 0.82    | 3.00    |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 1.10                      | 1.19    | 0.49    | 5.20    | 10.34   | 17.96   | 16.46   | 1.34    | 0.93    | 2.24    |
| Duda WS                 | 18854247 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Far Reach Rch           | 580260   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   | 1.63                      | 1.99    |         | 14.31   |         |         |         |         |         | 4.08    |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | 0.84                      | 2.07    | 1.10    | 3.34    |         | 12.44   |         | 2.51    | 0.98    | 2.22    |
| Fox Lk                  | 690313   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Fox Lk Rn               | 30242801 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FT PIERC_R              | 6116     | SFWMD  | 0.50                      | 1.60    | 1.00    |         |         | 12.57   | 6.50    | 1.20    | 0.90    | 2.40    |
| Ft. Drum Weather        | 1350579  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FT. PIER_R              | 6015     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Haulover Canal          | 2248380  | USGS   | 0.68                      | 1.18    | 1.11    | 8.40    | 5.33    |         | 15.86   |         |         |         |
| I-95 RS                 | 760128   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Kiwanis Pk              | 1500682  | SJRWMD | 0.67                      | 1.91    | 0.49    | 6.37    | 6.24    | 9.36    | 10.71   | 1.69    | 0.54    | 2.19    |
| Lk Ashby                | 3200347  | SJRWMD | 0.41                      | 2.04    | 0.59    | 9.02    | 5.68    | 17.02   |         | 1.56    | 1.27    | 2.11    |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| MAXCEY N_R              | 5871     | SFWMD  | 0.45                      | 2.05    | 0.68    | 10.17   | 1.62    | 8.32    | 13.84   | 1.54    | 0.56    | 2.67    |
| Melbourne Rn            | 4120696  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 1.27                      | 1.21    | 0.69    | 5.52    | 6.37    | 9.19    | 15.28   | 2.17    | 0.61    | 3.10    |
| MELBOURNE WSO           | 85612    | NOAA   | 1.01                      | 1.16    | 1.15    | 8.93    | 2.81    | 11.72   | 16.65   | 3.95    | 0.99    | 3.53    |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 0.72                      | 2.41    | 1.91    | 8.76    | 4.56    | 14.88   | 13.02   | 1.24    |         | 1.76    |
| Ormond Bch Rn           | 1070077  | SJRWMD |                           | 0.73    | 1.70    | 9.39    | 5.51    | 19.22   | 10.44   | 1.25    | 1.16    | 1.26    |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 1.99                      | 1.27    | 0.99    | 11.88   | 4.00    | 12.70   | 14.75   | 2.21    | 0.84    | 2.56    |
| Palm Bay STP            | 1000410  | SJRWMD | 1.30                      | 1.17    | 0.78    | 5.34    | 2.28    | 8.30    | 17.09   | 3.52    | 0.83    | 2.86    |
| Parrish Pk Rn           | 1480674  | SJRWMD | 0.39                      | 1.44    | 0.40    | 9.97    | 3.34    | 9.68    | 13.13   | 4.50    | 0.76    | 1.95    |
| Patrick Air Force Base  | 747950   |        | 1.27                      | 1.21    | 0.69    | 5.52    | 6.37    | 9.19    | 15.28   | 2.17    | 0.61    | 3.10    |
| Playalinda              | 1490678  | SJRWMD | 0.26                      | 1.37    | 0.49    | 4.64    | 4.07    | 10.89   |         |         |         | 1.73    |
| Ponce Inlet Weather     | 18073682 | SJRWMD | 0.64                      | 1.50    | 0.34    | 6.28    | 5.06    | 12.56   | 12.70   | 2.48    | 0.88    | 2.21    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2004_03                   | 2004_04 | 2004_05 | 2004_06 | 2004_07 | 2004_08 | 2004_09 | 2004_10 | 2004_11 | 2004_12 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 0.76                      | 2.13    | 0.39    | 11.39   | 4.02    | 10.32   | 14.47   | 5.07    | 0.76    | 2.90    |
| S-157                   | 520215   | SJRWMD | 1.17                      | 1.92    | 0.51    | 8.46    | 2.56    | 12.65   | 17.39   | 3.94    | 1.02    | 2.68    |
| S-164                   | 530225   | SJRWMD | 0.56                      | 3.18    | 0.42    | 7.59    | 3.41    | 7.74    | 12.21   | 0.85    | 0.96    | 2.23    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 1.37                      | 2.19    | 1.04    | 7.01    | 4.09    | 8.96    | 22.20   | 3.93    | 0.81    | 2.45    |
| S-96                    | 510206   | SJRWMD | 0.60                      | 1.74    | 0.35    | 4.95    | 3.89    | 10.47   | 16.70   | 1.64    | 0.56    | 2.30    |
| S99_R                   | 16672    | SFWMD  | 0.47                      | 2.68    | 1.60    | 4.52    | 3.37    | 12.75   |         | 3.08    | 1.47    |         |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 1.67                      | 1.81    | 1.17    | 6.98    | 6.80    | 14.87   | 15.39   | 2.09    | 1.35    | 1.99    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 0.53                      | 2.15    | 1.13    | 6.29    | 4.90    | 12.51   | 18.63   | 1.95    | 1.06    | 2.05    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           |         |         |         |         |         |         |         |         |         |
| SWWX                    | FI273    | SFWMD  | 0.41                      | 1.99    | 0.98    | 2.83    | 1.81    | 8.21    |         |         |         |         |
| Tiger Bay Rn            | 5190117  | SJRWMD | 0.98                      | 1.66    | 0.47    | 4.08    | 8.87    | 16.99   | 16.04   | 1.08    | 1.27    | 2.04    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 0.50                      | 1.32    |         | 9.89    | 6.49    | 9.82    |         | 3.29    | 0.84    | 1.82    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 0.80                      | 1.58    | 0.33    | 3.80    | 3.10    | 7.89    | 23.29   | 3.07    | 0.94    | 2.27    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 1.05                      |         |         | 7.78    |         |         | 23.24   | 3.41    | 1.32    |         |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 0.84                      | 1.50    | 0.09    | 3.87    | 3.86    | 9.71    | 23.01   | 3.59    | 0.95    | 2.55    |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 0.67                      | 2.61    | 0.21    | 7.76    | 3.02    | 9.40    | 14.05   | 1.24    | 0.61    | 2.55    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |  |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
|                         |          |        | 2005_01                   | 2005_02 | 2005_03 | 2005_04 | 2005_05 | 2005_06 | 2005_07 | 2005_08 | 2005_09 | 2005_10 |  |
| Barefoot Bay            | 730122   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| BCMCA E                 | 1240511  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Big Flounder            | 1390643  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| C-58                    | 590263   | SJRWMD | 1.65                      | 4.82    | 3.70    | 2.13    | 3.99    | 16.32   | 1.44    | 11.27   | 4.22    | 12.72   |  |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Cananveral Air Strip    |          | SJRWMD | 1.87                      | 2.64    | 5.25    | 2.69    | 4.47    | 12.63   | 3.09    | 9.35    | 9.19    | 12.41   |  |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 2.60                      | 1.25    | 5.51    | 3.17    | 7.97    | 13.67   | 2.73    | 4.29    | 7.35    | 13.51   |  |
| Duda WS                 | 18854247 | SJRWMD |                           |         |         |         | 3.84    | 6.46    | 2.56    | 8.82    | 7.17    | 12.24   |  |
| Far Reach Rch           | 580260   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   | 1.71                      | 1.96    | 6.57    | 3.81    | 2.96    | 17.46   |         |         |         |         |  |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   |                           | 2.91    |         | 5.05    | 3.45    | 11.72   | 5.50    | 4.10    | 5.10    |         |  |
| Fox Lk                  | 690313   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Fox Lk Rn               | 30242801 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| FT PIERC_R              | 6116     | SFWMD  | 1.10                      | 3.50    | 9.70    |         | 3.32    | 12.82   | 4.88    | 3.92    | 5.24    | 9.94    |  |
| Ft. Drum Weather        | 1350579  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| FT. PIER_R              | 6015     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |  |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Haulover Canal          | 2248380  | USGS   |                           |         |         |         |         |         |         |         |         |         |  |
| I-95 RS                 | 760128   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Kiwanis Pk              | 1500682  | SJRWMD | 1.43                      | 1.97    | 4.70    | 3.02    | 4.42    | 12.07   | 2.18    | 5.59    | 7.72    | 10.42   |  |
| Lk Ashby                | 3200347  | SJRWMD | 2.15                      | 1.20    | 5.09    | 2.55    | 4.54    | 13.01   | 5.98    | 9.87    | 8.02    | 12.68   |  |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| MAXCEY N_R              | 5871     | SFWMD  | 1.19                      | 2.85    | 6.94    | 3.72    | 7.99    | 12.31   | 3.00    | 9.65    | 3.10    | 4.95    |  |
| Melbourne Rn            | 4120696  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 1.90                      | 3.44    | 3.74    | 2.17    | 2.70    | 12.51   | 1.42    | 4.99    | 8.27    | 9.50    |  |
| MELBOURNE WSO           | 85612    | NOAA   | 1.75                      | 4.19    | 4.77    | 2.45    | 3.57    | 12.87   | 2.63    | 7.19    | 8.94    | 13.36   |  |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 3.33                      | 1.29    | 6.38    | 1.43    | 4.57    | 17.39   | 3.95    | 7.66    | 1.67    | 10.20   |  |
| Ormond Bch Rn           | 1070077  | SJRWMD | 2.21                      | 1.48    | 4.42    | 3.21    | 4.37    | 10.13   | 3.90    | 5.64    | 4.19    | 10.05   |  |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 1.44                      | 4.33    | 4.23    | 3.88    | 4.01    | 6.02    | 3.71    | 8.95    | 6.29    | 9.88    |  |
| Palm Bay STP            | 1000410  | SJRWMD | 1.39                      | 3.72    | 3.86    | 4.03    | 3.24    | 12.40   | 3.17    | 3.52    | 7.44    | 10.41   |  |
| Parrish Pk Rn           | 1480674  | SJRWMD | 2.95                      | 1.48    | 6.35    | 1.76    | 2.15    | 7.64    | 2.13    | 5.45    | 5.00    | 12.09   |  |
| Patrick Air Force Base  | 747950   |        | 1.90                      | 3.44    | 3.74    | 2.17    | 2.70    | 12.51   | 1.42    | 4.99    | 8.27    | 9.50    |  |
| Playalinda              | 1490678  | SJRWMD | 3.55                      | 2.08    | 3.46    | 2.12    | 5.59    | 6.83    |         |         |         | 9.19    |  |
| Ponce Inlet Weather     | 18073682 | SJRWMD | 2.89                      | 1.34    | 4.56    | 2.40    | 7.40    | 7.28    | 1.07    | 2.89    | 6.60    | 9.66    |  |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2005_01                   | 2005_02 | 2005_03 | 2005_04 | 2005_05 | 2005_06 | 2005_07 | 2005_08 | 2005_09 | 2005_10 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 2.28                      | 2.22    | 5.71    | 2.13    | 3.39    | 10.53   | 1.61    | 6.95    | 9.94    | 13.28   |
| S-157                   | 520215   | SJRWMD | 1.46                      | 3.21    | 4.90    | 2.37    | 4.87    | 10.75   | 3.87    |         | 5.74    | 7.09    |
| S-164                   | 530225   | SJRWMD | 1.74                      | 1.92    | 5.24    | 2.10    | 2.46    | 11.43   | 1.61    | 8.36    | 5.71    | 13.36   |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 1.41                      | 1.61    | 5.94    | 2.99    | 5.89    | 11.77   | 4.03    | 5.40    | 5.84    | 9.46    |
| S-96                    | 510206   | SJRWMD | 1.16                      | 1.79    | 3.59    | 2.10    | 3.47    | 8.66    | 3.93    | 4.67    | 4.43    | 6.01    |
| S99_R                   | 16672    | SFWMD  |                           | 2.46    | 5.80    | 3.62    |         | 13.83   | 6.80    | 5.47    |         |         |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 2.31                      | 1.64    | 5.99    | 3.25    | 5.22    | 11.67   | 6.50    | 6.56    | 6.45    | 8.84    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 1.22                      | 3.35    | 6.64    | 3.51    | 5.33    | 12.72   | 5.89    | 6.60    | 6.22    | 11.04   |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           | 2.23    | 8.84    | 3.37    | 5.12    |         |         |         | 3.02    |         |
| SVWX                    | FI273    | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Tiger Bay Rn            | 5190117  | SJRWMD | 2.22                      | 1.29    | 5.92    | 3.06    | 5.56    | 17.21   | 4.50    | 6.30    | 6.72    | 7.70    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 2.80                      | 1.73    | 7.35    |         | 2.71    | 13.49   |         | 6.76    | 8.54    | 16.38   |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 1.29                      | 1.97    | 7.23    | 2.94    | 4.71    | 9.73    | 1.79    | 3.34    | 4.13    | 7.57    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   |                           | 2.11    | 8.26    | 3.20    | 4.18    |         | 3.39    |         | 6.90    | 12.12   |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 1.14                      | 2.12    | 7.78    | 3.18    | 4.80    | 12.11   | 1.51    | 3.81    | 5.06    | 7.89    |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 1.16                      | 2.35    | 5.11    | 2.90    | 5.63    | 11.33   | 1.35    | 8.25    | 5.26    | 8.44    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2005_11                   | 2005_12 | 2006_01 | 2006_02 | 2006_03 | 2006_04 | 2006_05 | 2006_06 | 2006_07 | 2006_08 |
| Barefoot Bay            | 730122   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCMCA E                 | 1240511  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Big Flounder            | 1390643  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| C-58                    | 590263   | SJRWMD | 1.85                      | 1.94    | 0.31    | 3.05    | 0.51    | 1.40    | 1.30    | 9.49    |         | 6.96    |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Cananveral Air Strip    |          | SJRWMD | 6.51                      | 2.05    | 0.50    | 2.53    | 0.29    | 1.54    | 1.94    | 6.20    | 6.29    | 7.56    |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 1.87                      | 1.85    | 0.24    | 4.33    | 0.08    | 1.11    | 0.78    | 5.72    | 4.48    | 4.81    |
| Duda WS                 | 18854247 | SJRWMD | 1.24                      | 2.01    | 0.40    | 2.43    | 0.14    | 0.56    | 0.59    | 4.97    | 3.93    | 9.57    |
| Far Reach Rch           | 580260   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   |                           |         |         |         |         | 1.03    | 2.31    |         |         | 2.10    |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | 7.55                      | 1.70    | 0.24    | 3.93    | 0.27    |         | 1.57    | 5.96    | 3.19    | 4.54    |
| Fox Lk                  | 690313   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Fox Lk Rn               | 30242801 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FT PIERC_R              | 6116     | SFWMD  |                           |         |         | 3.96    |         |         |         |         | 2.54    |         |
| Ft. Drum Weather        | 1350579  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FT. PIER_R              | 6015     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Haulover Canal          | 2248380  | USGS   |                           |         |         |         |         |         |         |         |         |         |
| I-95 RS                 | 760128   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Kiwanis Pk              | 1500682  | SJRWMD | 1.54                      | 2.07    | 0.31    | 1.94    | 0.03    | 0.29    | 0.42    | 5.81    | 4.71    | 4.58    |
| Lk Ashby                | 3200347  | SJRWMD | 1.93                      | 1.39    | 0.64    | 3.80    | 0.01    | 1.23    | 1.27    | 6.58    | 5.81    | 5.15    |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| MAXCEY N_R              | 5871     | SFWMD  | 4.74                      | 1.39    | 0.27    | 5.08    | 0.04    | 0.44    | 0.48    |         |         |         |
| Melbourne Rn            | 4120696  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 1.64                      | 2.62    | 0.39    | 2.26    | 0.33    | 0.77    | 2.10    | 3.66    | 5.49    | 6.25    |
| MELBOURNE WSO           | 85612    | NOAA   | 1.39                      | 2.90    | 0.61    | 2.20    | 0.28    | 1.10    | 2.06    | 6.40    | 8.17    | 8.99    |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 0.60                      | 2.04    | 0.43    | 2.36    | 0.02    | 1.05    | 3.36    | 6.61    | 7.01    | 4.33    |
| Ormond Bch Rn           | 1070077  | SJRWMD | 1.59                      | 1.56    | 0.22    | 4.23    | 0.27    | 0.82    | 0.21    | 7.06    | 2.30    | 4.17    |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 1.08                      | 1.68    | 0.31    | 2.38    | 0.46    | 0.95    | 2.09    | 7.67    | 4.90    | 8.32    |
| Palm Bay STP            | 1000410  | SJRWMD | 1.56                      | 1.94    | 0.42    | 2.05    | 0.40    | 0.91    | 1.09    | 7.19    | 3.57    | 4.62    |
| Parrish Pk Rn           | 1480674  | SJRWMD |                           | 1.26    | 0.75    | 2.40    | 0.00    | 1.85    | 0.93    | 3.96    | 6.78    | 6.47    |
| Patrick Air Force Base  | 747950   |        | 1.64                      | 2.62    | 0.39    | 2.26    | 0.33    | 0.77    | 2.10    | 3.66    | 5.49    | 6.25    |
| Playalinda              | 1490678  | SJRWMD | 1.54                      | 1.03    | 0.36    | 2.49    | 0.01    | 1.51    | 0.55    | 2.93    | 6.35    | 5.20    |
| Ponce Inlet Weather     | 18073682 | SJRWMD | 1.86                      | 1.28    | 0.79    | 3.19    | 0.05    | 0.82    | 0.36    | 5.17    | 1.65    | 4.19    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2005_11                   | 2005_12 | 2006_01 | 2006_02 | 2006_03 | 2006_04 | 2006_05 | 2006_06 | 2006_07 | 2006_08 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 2.19                      | 2.37    | 0.37    | 1.80    | 0.00    | 2.05    | 1.81    | 5.59    | 6.03    | 8.40    |
| S-157                   | 520215   | SJRWMD | 3.05                      | 1.67    | 0.43    | 3.20    | 0.12    | 1.87    | 2.61    | 7.59    | 2.53    | 5.92    |
| S-164                   | 530225   | SJRWMD | 1.14                      | 2.68    | 0.39    | 1.89    | 0.02    | 0.09    | 0.18    | 6.07    | 5.20    | 6.77    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| S-252D                  | 1880101  | SJRWMD | 2.26                      | 1.47    | 0.35    | 3.13    | 0.22    | 4.06    | 1.85    | 7.85    | 5.40    | 3.92    |
| S-96                    | 510206   | SJRWMD |                           |         | 0.18    | 2.76    | 0.10    | 1.57    | 1.03    | 5.58    | 4.85    | 8.52    |
| S99_R                   | 16672    | SFWMD  | 5.24                      | 1.85    |         | 3.36    | 0.16    | 3.17    | 1.27    |         | 2.49    |         |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 2.37                      | 1.61    | 0.52    | 4.07    | 0.09    | 1.29    | 1.52    | 5.21    | 5.42    | 4.68    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 9.06                      | 1.39    | 0.22    | 3.22    | 0.27    | 2.53    | 2.17    | 4.71    | 5.74    | 6.92    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | 7.06                      | 2.50    | 0.34    | 3.77    | 0.48    | 1.44    | 1.83    | 4.21    | 7.80    | 6.66    |
| SVWX                    | FI273    | SFWMD  |                           |         |         |         |         |         |         |         |         | 4.50    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 2.46                      | 1.76    | 0.19    | 3.91    | 0.04    | 1.24    | 0.90    | 5.41    | 2.84    | 3.39    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 1.26                      | 1.75    | 1.11    | 2.59    | 0.00    |         | 2.41    | 5.43    | 7.78    | 8.17    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 4.39                      | 1.67    | 0.40    | 3.26    | 0.55    | 0.77    | 1.47    | 8.62    | 4.76    | 4.74    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 5.38                      | 2.49    |         | 3.61    | 0.53    | 1.82    |         |         | 4.31    |         |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 5.86                      | 2.15    | 0.33    | 3.53    | 0.53    | 1.09    | 1.37    | 7.96    | 4.23    | 4.89    |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 1.83                      | 1.91    | 0.33    | 3.00    | 0.16    | 2.30    | 0.46    | 9.59    | 4.60    | 6.78    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |  |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
|                         |          |        | 2006_09                   | 2006_10 | 2006_11 | 2006_12 | 2007_01 | 2007_02 | 2007_03 | 2007_04 | 2007_05 | 2007_06 |  |
| Barefoot Bay            | 730122   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| BCMCA E                 | 1240511  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Big Flounder            | 1390643  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| C-58                    | 590263   | SJRWMD | 3.66                      | 1.04    | 1.88    | 1.51    | 1.60    | 1.70    | 1.08    | 3.17    | 0.82    | 7.46    |  |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Cananveral Air Strip    |          | SJRWMD | 5.07                      | 1.08    | 2.54    | 2.49    | 2.11    | 1.44    | 1.65    | 1.88    | 1.51    | 7.69    |  |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 2.97                      | 2.53    | 1.10    | 3.21    | 1.53    | 2.64    | 0.70    | 1.34    | 0.91    | 5.78    |  |
| Duda WS                 | 18854247 | SJRWMD | 5.11                      | 0.54    | 2.09    | 1.93    | 2.81    | 1.39    | 0.14    | 1.83    | 1.47    | 7.91    |  |
| Far Reach Rch           | 580260   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   |                           |         |         |         |         |         |         |         |         |         |  |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | 2.72                      | 0.91    | 1.93    | 4.53    | 0.49    |         |         | 5.32    | 3.54    | 5.37    |  |
| Fox Lk                  | 690313   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Fox Lk Rn               | 30242801 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| FT PIERC_R              | 6116     | SFWMD  | 2.52                      | 1.01    | 1.62    | 2.93    | 0.15    | 0.50    | 2.30    |         |         | 9.17    |  |
| Ft. Drum Weather        | 1350579  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| FT. PIER_R              | 6015     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |  |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Haulover Canal          | 2248380  | USGS   |                           | 2.29    | 3.47    |         | 2.02    | 0.94    | 0.97    | 1.58    | 2.02    | 3.94    |  |
| I-95 RS                 | 760128   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Kiwanis Pk              | 1500682  | SJRWMD |                           |         | 2.29    | 1.88    | 3.05    | 1.08    | 0.92    | 1.50    | 0.45    | 6.78    |  |
| Lk Ashby                | 3200347  | SJRWMD | 4.79                      | 2.24    | 2.02    | 5.76    | 1.12    | 1.48    | 0.76    | 1.69    | 3.09    | 6.27    |  |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| MAXCEY N_R              | 5871     | SFWMD  | 4.71                      | 0.59    | 0.80    | 0.97    | 1.04    | 1.28    | 1.33    |         | 0.93    | 5.52    |  |
| Melbourne Rn            | 4120696  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 1.64                      | 0.53    | 4.28    | 1.92    | 2.49    | 1.21    | 0.73    | 1.22    | 1.21    | 10.36   |  |
| MELBOURNE WSO           | 85612    | NOAA   | 6.19                      | 0.73    | 3.73    | 1.72    | 2.79    | 2.14    | 0.62    | 1.94    | 1.74    | 10.72   |  |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 4.09                      | 1.95    | 1.54    | 3.60    | 1.73    | 0.91    | 0.52    | 2.05    | 0.54    | 5.91    |  |
| Ormond Bch Rn           | 1070077  | SJRWMD | 3.88                      | 0.80    | 1.58    | 3.83    | 1.77    | 3.18    | 1.03    | 2.14    | 0.59    | 4.93    |  |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 6.01                      | 1.54    | 3.28    | 1.65    | 1.35    | 1.61    | 1.28    | 2.24    | 1.81    | 7.55    |  |
| Palm Bay STP            | 1000410  | SJRWMD | 1.30                      | 2.03    | 4.19    | 1.53    | 1.82    | 1.28    | 1.01    | 2.40    | 1.11    | 10.78   |  |
| Parrish Pk Rn           | 1480674  | SJRWMD | 4.42                      | 1.23    | 2.70    | 5.47    | 1.56    | 1.85    | 1.01    | 1.43    | 2.05    | 3.99    |  |
| Patrick Air Force Base  | 747950   |        | 1.64                      | 0.53    | 4.28    | 1.92    | 2.49    | 1.21    | 0.73    | 1.22    | 1.21    | 10.36   |  |
| Playalinda              | 1490678  | SJRWMD | 3.21                      | 1.46    | 1.91    | 3.58    | 1.36    | 1.94    | 0.87    | 1.46    | 3.08    | 6.28    |  |
| Ponce Inlet Weather     | 18073682 | SJRWMD | 3.47                      | 2.40    | 1.56    | 3.54    | 1.10    | 1.35    | 0.71    | 1.38    | 1.53    | 3.42    |  |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2006_09                   | 2006_10 | 2006_11 | 2006_12 | 2007_01 | 2007_02 | 2007_03 | 2007_04 | 2007_05 | 2007_06 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 4.35                      | 0.97    | 2.17    | 2.43    | 3.18    | 1.39    | 1.25    | 1.49    | 1.76    | 8.04    |
| S-157                   | 520215   | SJRWMD | 3.78                      | 1.35    | 1.94    | 1.44    | 0.96    | 2.00    | 1.72    | 2.85    | 3.62    | 6.52    |
| S-164                   | 530225   | SJRWMD | 6.01                      | 0.63    | 1.34    | 2.64    | 2.19    | 1.17    | 1.05    | 1.15    | 1.06    | 9.18    |
| S-251                   | 1103624  | SJRWMD |                           |         |         |         |         |         |         | 1.98    | 2.29    | 8.70    |
| S-252D                  | 1880101  | SJRWMD | 0.08                      |         | 0.72    | 1.13    | 0.55    | 0.89    | 0.84    | 2.43    | 2.47    | 8.35    |
| S-96                    | 510206   | SJRWMD | 4.96                      | 1.62    | 1.05    | 1.30    | 0.76    | 1.27    | 1.36    |         | 1.20    | 6.37    |
| S99_R                   | 16672    | SFWMD  | 3.05                      | 0.35    | 1.63    | 4.58    | 0.32    | 0.40    | 0.97    | 2.74    | 1.67    | 5.90    |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 3.78                      | 1.61    | 1.40    | 3.17    | 1.59    | 2.12    | 1.12    | 1.55    | 1.59    | 6.08    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 3.66                      | 1.30    | 0.74    | 2.86    | 0.71    | 0.64    | 1.54    | 1.94    | 2.14    | 6.98    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | 4.98                      | 0.57    | 1.45    | 3.54    | 0.78    | 1.25    | 2.27    | 2.49    | 3.04    |         |
| SVWX                    | FI273    | SFWMD  |                           |         |         |         |         |         | 0.38    | 1.47    | 0.93    | 7.85    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 4.72                      | 1.80    | 0.96    | 2.98    | 1.61    | 2.86    | 0.87    | 1.42    | 2.22    | 6.17    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 9.08                      | 1.12    | 2.88    | 2.49    | 2.46    | 2.49    | 1.37    | 1.33    | 1.60    | 6.41    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 4.71                      | 0.95    | 1.37    | 1.67    | 0.86    | 1.02    | 1.05    | 1.97    | 2.09    | 6.87    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 6.32                      | 1.17    | 1.97    |         | 1.10    | 1.23    | 1.10    | 2.14    | 2.16    | 7.58    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 5.64                      | 0.98    | 1.12    | 1.89    | 0.76    | 1.10    | 1.04    | 2.16    | 1.97    | 7.31    |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 3.71                      |         | 1.02    | 1.14    | 0.55    | 1.01    | 1.03    | 1.58    | 1.70    | 4.56    |



| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |  |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
|                         |          |        | 2007_07                   | 2007_08 | 2007_09 | 2007_10 | 2007_11 | 2007_12 | 2008_01 | 2008_02 | 2008_03 | 2008_04 |  |
| Barefoot Bay            | 730122   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| BCMCA E                 | 1240511  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Big Flounder            | 1390643  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| C-58                    | 590263   | SJRWMD | 17.77                     | 2.94    | 6.99    | 6.51    | 0.58    | 0.39    | 2.06    | 1.89    | 2.92    | 3.39    |  |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Cananveral Air Strip    |          | SJRWMD | 12.38                     | 2.39    | 8.95    | 7.24    | 0.80    | 0.35    | 2.62    | 1.79    | 2.42    | 3.13    |  |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 10.23                     | 2.88    | 11.36   | 3.49    | 2.32    | 1.84    | 1.30    | 2.12    | 3.20    | 1.34    |  |
| Duda WS                 | 18854247 | SJRWMD | 9.92                      | 1.60    | 5.25    | 8.47    | 1.05    | 0.56    | 3.79    | 1.42    | 1.66    | 3.27    |  |
| Far Reach Rch           | 580260   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   |                           |         |         |         |         |         |         |         |         |         |  |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   |                           | 3.96    | 7.69    | 7.74    |         | 3.64    | 2.47    | 1.68    | 4.79    | 3.00    |  |
| Fox Lk                  | 690313   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Fox Lk Rn               | 30242801 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| FT PIERC_R              | 6116     | SFWMD  | 12.02                     |         |         | 11.02   | 2.06    |         | 3.26    | 2.11    | 5.07    | 2.21    |  |
| Ft. Drum Weather        | 1350579  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| FT. PIER_R              | 6015     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |  |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Haulover Canal          | 2248380  | USGS   | 6.89                      | 1.23    | 10.17   | 10.82   | 2.21    | 0.68    | 2.56    | 1.97    | 3.48    | 2.36    |  |
| I-95 RS                 | 760128   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Kiwanis Pk              | 1500682  | SJRWMD | 16.08                     | 2.68    | 7.91    | 9.67    | 1.40    | 0.67    | 3.18    | 2.43    | 1.32    | 2.54    |  |
| Lk Ashby                | 3200347  | SJRWMD | 10.72                     | 3.45    | 6.96    | 7.01    | 1.32    | 2.19    | 3.68    | 2.18    | 2.56    | 2.38    |  |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| MAXCEY N_R              | 5871     | SFWMD  | 13.32                     | 4.11    | 11.29   | 6.33    | 0.34    | 0.03    |         | 1.90    | 2.73    | 4.61    |  |
| Melbourne Rn            | 4120696  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |  |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 12.39                     | 0.68    | 5.48    | 5.14    | 0.40    | 0.72    | 2.88    | 2.59    | 2.36    | 2.86    |  |
| MELBOURNE WSO           | 85612    | NOAA   | 15.05                     | 1.34    | 8.97    | 5.53    | 1.17    | 1.00    | 3.79    | 2.99    | 2.82    | 2.58    |  |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 6.52                      | 4.47    | 8.96    | 5.41    | 0.42    | 1.05    | 4.10    | 1.65    | 5.15    | 3.21    |  |
| Ormond Bch Rn           | 1070077  | SJRWMD | 10.39                     | 0.56    | 13.19   | 6.08    | 1.19    | 1.68    | 1.43    | 1.71    | 3.47    | 1.28    |  |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 12.52                     | 3.18    | 8.00    | 5.91    | 0.40    | 0.74    | 1.63    | 2.49    | 1.83    | 3.12    |  |
| Palm Bay STP            | 1000410  | SJRWMD | 8.11                      | 1.65    | 5.37    | 6.70    | 0.38    | 0.55    | 2.72    | 0.99    | 2.20    | 2.14    |  |
| Parrish Pk Rn           | 1480674  | SJRWMD | 9.48                      | 3.95    | 15.84   | 6.84    | 0.98    | 1.17    | 2.24    | 2.16    | 3.80    | 3.83    |  |
| Patrick Air Force Base  | 747950   |        | 12.39                     | 0.68    | 5.48    | 5.14    | 0.40    | 0.72    | 2.88    | 2.59    | 2.36    | 2.86    |  |
| Playalinda              | 1490678  | SJRWMD | 7.19                      | 1.39    | 11.29   | 5.24    | 0.69    | 1.38    | 2.63    | 1.12    | 2.50    | 2.82    |  |
| Ponce Inlet Weather     | 18073682 | SJRWMD | 8.08                      | 0.41    | 9.27    | 5.11    | 1.40    | 1.79    | 2.99    | 1.78    | 3.15    | 1.69    |  |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2007_07                   | 2007_08 | 2007_09 | 2007_10 | 2007_11 | 2007_12 | 2008_01 | 2008_02 | 2008_03 | 2008_04 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 14.00                     | 1.38    | 8.28    | 7.27    | 2.28    | 0.54    | 4.13    | 2.16    | 2.39    | 2.29    |
| S-157                   | 520215   | SJRWMD | 9.08                      | 2.66    | 4.11    | 7.65    | 0.49    | 0.65    | 2.18    | 0.50    | 2.18    | 4.78    |
| S-164                   | 530225   | SJRWMD | 7.29                      | 1.84    | 9.53    | 5.85    | 1.55    | 0.65    | 4.47    | 1.35    | 1.56    | 1.86    |
| S-251                   | 1103624  | SJRWMD | 14.83                     | 1.87    | 5.89    | 7.22    | 0.87    | 0.32    | 1.18    | 0.86    | 2.83    | 3.81    |
| S-252D                  | 1880101  | SJRWMD | 11.03                     | 6.57    | 5.97    | 5.68    | 0.94    | 0.30    | 0.98    | 1.14    | 3.34    | 4.05    |
| S-96                    | 510206   | SJRWMD | 9.09                      | 2.43    | 8.21    | 8.22    | 0.49    | 0.68    | 1.29    | 1.22    | 1.75    | 5.28    |
| S99_R                   | 16672    | SFWMD  | 8.06                      | 3.03    | 7.47    | 6.14    | 1.05    |         | 1.02    | 1.17    | 2.58    | 2.95    |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 9.10                      | 2.86    | 9.82    | 5.14    | 1.26    | 1.79    | 2.17    | 2.09    | 3.18    | 2.31    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 9.54                      | 4.52    | 8.76    | 7.34    | 1.05    | 1.80    | 1.41    | 1.36    | 4.30    | 2.90    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | 6.82                      | 7.30    | 9.95    | 9.05    |         |         | 2.75    |         |         | 3.78    |
| SVWX                    | FI273    | SFWMD  | 4.78                      | 5.14    | 13.51   | 7.78    | 1.38    |         | 2.27    | 1.48    |         | 1.45    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 11.49                     | 4.30    | 11.26   | 4.03    | 2.10    | 2.20    | 1.54    | 2.29    | 3.02    | 1.25    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 8.64                      | 1.11    | 9.98    | 8.22    | 1.33    |         | 3.38    | 1.75    | 3.63    | 2.60    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 12.54                     | 2.73    | 5.40    | 7.29    | 1.68    | 2.17    | 1.20    | 1.20    | 3.31    | 3.73    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 13.14                     | 3.50    | 6.77    | 8.16    | 2.27    |         |         | 1.83    | 4.12    | 5.21    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 13.72                     | 2.40    | 6.01    | 7.92    | 2.49    | 2.10    | 1.22    | 1.46    | 3.87    | 3.96    |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 11.20                     | 3.07    | 6.58    | 6.15    | 0.17    | 0.35    | 1.17    | 1.06    | 2.50    |         |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2008_05                   | 2008_06 | 2008_07 | 2008_08 | 2008_09 | 2008_10 | 2008_11 | 2008_12 | 2009_01 | 2009_02 |
| Barefoot Bay            | 730122   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCMCA E                 | 1240511  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Big Flounder            | 1390643  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| C-58                    | 590263   | SJRWMD | 0.72                      | 7.27    | 11.10   | 13.19   | 2.68    | 4.10    | 1.08    | 1.19    | 1.13    | 0.61    |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Cananveral Air Strip    |          | SJRWMD | 1.03                      | 5.94    | 8.88    | 16.59   | 3.71    | 5.69    | 1.27    | 0.75    | 1.29    | 0.68    |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 0.63                      | 3.64    | 9.48    | 10.33   | 4.29    | 4.45    | 0.96    | 0.93    | 0.82    | 0.80    |
| Duda WS                 | 18854247 | SJRWMD | 0.96                      | 7.10    |         |         |         |         |         |         |         |         |
| Far Reach Rch           | 580260   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   |                           |         |         |         |         |         |         |         |         |         |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   |                           | 7.15    | 12.29   |         | 4.69    | 5.68    | 2.38    | 0.97    | 0.43    | 0.77    |
| Fox Lk                  | 690313   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Fox Lk Rn               | 30242801 | SJRWMD |                           |         |         |         |         |         | 1.32    | 0.63    | 1.79    | 0.48    |
| FT PIERC_R              | 6116     | SFWMD  | 2.52                      | 5.80    | 9.07    | 6.61    | 1.50    | 8.91    | 1.01    | 1.45    | 0.41    | 0.25    |
| Ft. Drum Weather        | 1350579  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FT. PIER_R              | 6015     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Haulover Canal          | 2248380  | USGS   | 0.61                      | 6.96    | 5.40    | 11.59   | 3.12    | 5.65    | 0.85    |         | 2.21    | 0.70    |
| I-95 RS                 | 760128   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Kiwanis Pk              | 1500682  | SJRWMD | 0.39                      | 7.43    | 7.52    | 21.64   | 3.52    | 5.53    | 0.84    | 0.76    | 1.20    | 0.60    |
| Lk Ashby                | 3200347  | SJRWMD | 0.48                      | 8.47    | 13.23   | 22.41   | 4.69    | 4.66    | 0.87    | 1.43    | 1.46    | 0.73    |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| MAXCEY N_R              | 5871     | SFWMD  | 0.71                      | 5.96    | 13.92   | 11.27   | 1.40    | 2.67    | 0.68    | 0.91    | 1.16    | 0.65    |
| Melbourne Rn            | 4120696  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 1.24                      | 7.56    | 8.71    | 20.09   | 3.40    | 7.39    | 2.03    | 0.75    | 0.94    | 0.69    |
| MELBOURNE WSO           | 85612    | NOAA   | 1.16                      | 6.72    | 11.15   | 26.87   | 4.24    | 10.24   | 2.35    | 1.19    | 0.97    | 0.84    |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 3.48                      | 9.73    | 7.35    | 10.71   | 4.02    | 2.65    | 1.09    | 0.66    | 2.08    | 0.62    |
| Ormond Bch Rn           | 1070077  | SJRWMD | 0.48                      | 2.96    | 9.58    | 10.89   | 3.28    | 4.55    | 0.46    | 0.95    | 0.66    | 0.90    |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 1.34                      | 5.83    | 17.11   | 18.95   | 3.88    | 5.38    |         |         | 1.19    | 0.59    |
| Palm Bay STP            | 1000410  | SJRWMD | 1.39                      | 6.11    | 9.68    | 19.52   | 4.09    | 7.92    | 2.33    | 0.76    | 1.10    | 0.39    |
| Parrish Pk Rn           | 1480674  | SJRWMD | 0.89                      | 4.78    | 10.75   | 14.26   | 2.72    | 4.34    | 0.79    | 0.58    | 1.69    | 0.45    |
| Patrick Air Force Base  | 747950   |        | 1.24                      | 7.56    | 8.71    | 20.09   | 3.40    | 7.39    | 2.03    | 0.75    | 0.94    | 0.69    |
| Playalinda              | 1490678  | SJRWMD | 0.11                      | 5.51    | 7.51    | 13.19   | 2.16    | 7.00    | 0.73    | 0.53    | 1.89    | 0.83    |
| Ponce Inlet Weather     | 18073682 | SJRWMD | 0.05                      | 6.01    | 2.93    | 9.35    | 2.41    | 3.56    | 0.39    | 0.74    | 1.05    | 0.82    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2008_05                   | 2008_06 | 2008_07 | 2008_08 | 2008_09 | 2008_10 | 2008_11 | 2008_12 | 2009_01 | 2009_02 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 1.23                      | 6.54    | 9.78    | 17.76   | 6.63    | 8.82    | 1.35    | 1.03    | 1.51    | 0.59    |
| S-157                   | 520215   | SJRWMD | 1.37                      | 5.98    | 9.66    | 14.85   | 5.49    | 3.57    | 1.53    | 0.80    | 0.96    | 0.76    |
| S-164                   | 530225   | SJRWMD | 1.35                      | 8.16    | 9.05    | 12.01   | 3.15    | 4.17    | 0.55    | 0.61    | 1.36    | 0.71    |
| S-251                   | 1103624  | SJRWMD | 2.59                      | 5.62    | 11.50   | 16.90   | 2.73    | 4.94    | 1.08    | 0.98    | 0.70    | 0.46    |
| S-252D                  | 1880101  | SJRWMD | 3.03                      | 4.45    | 8.67    | 20.10   | 3.55    | 2.81    | 1.00    | 1.00    | 0.91    | 0.19    |
| S-96                    | 510206   | SJRWMD | 1.03                      | 2.86    | 12.35   | 14.29   | 3.92    | 1.95    | 1.52    | 0.74    | 1.16    | 0.51    |
| S99_R                   | 16672    | SFWMD  | 1.08                      | 4.22    | 7.91    |         | 3.44    | 6.98    | 1.21    |         | 0.61    | 0.33    |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 0.62                      | 6.68    | 10.40   | 15.09   | 3.96    | 4.89    | 0.86    | 0.87    | 1.44    | 0.87    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 2.34                      | 6.52    | 8.27    | 18.33   | 3.83    | 4.31    | 1.39    | 0.98    | 0.47    | 0.41    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   |                           | 5.18    | 14.42   | 19.33   |         | 9.12    | 1.84    | 1.61    | 0.31    | 0.10    |
| SVWX                    | FI273    | SFWMD  | 2.30                      |         | 7.57    | 16.92   | 4.50    | 2.73    | 2.26    | 0.43    | 0.40    | 0.15    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 0.19                      | 7.24    | 11.35   | 13.38   | 4.77    | 4.59    | 0.69    | 0.90    | 0.96    | 0.80    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 0.84                      | 3.73    | 6.96    | 16.09   | 2.95    | 7.83    | 0.20    |         | 1.81    | 0.58    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 1.87                      | 3.27    | 7.04    | 16.94   | 2.42    | 7.11    | 3.19    | 0.38    | 1.41    | 0.16    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 2.45                      |         | 8.15    | 20.26   | 3.21    |         | 3.41    | 1.63    |         | 0.28    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 2.08                      | 3.00    | 6.97    | 18.91   | 2.62    | 7.91    | 3.40    | 0.45    | 1.57    | 0.16    |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 1.26                      | 9.46    | 11.93   | 13.55   | 1.39    | 2.07    | 0.77    | 1.45    | 0.99    | 0.41    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2009_03                   | 2009_04 | 2009_05 | 2009_06 | 2009_07 | 2009_08 | 2009_09 | 2009_10 | 2009_11 | 2009_12 |
| Barefoot Bay            | 730122   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCMCA E                 | 1240511  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Big Flounder            | 1390643  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| C-58                    | 590263   | SJRWMD | 1.06                      | 0.63    | 12.67   | 8.92    | 6.05    | 9.48    | 3.18    | 0.30    | 0.76    | 4.19    |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Cananveral Air Strip    |          | SJRWMD | 1.10                      | 0.93    | 10.15   | 5.44    | 7.08    | 4.47    | 4.64    | 0.74    | 0.52    | 5.50    |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 1.39                      | 1.47    | 22.33   | 5.03    | 5.19    | 3.77    | 3.65    | 1.44    | 0.60    | 3.81    |
| Duda WS                 | 18854247 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Far Reach Rch           | 580260   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   |                           |         |         |         |         |         |         |         |         |         |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | 1.27                      | 1.42    | 9.61    | 2.34    |         | 4.04    | 3.66    | 1.14    | 0.33    | 4.78    |
| Fox Lk                  | 690313   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Fox Lk Rn               | 30242801 | SJRWMD | 1.38                      | 1.29    | 10.76   | 3.33    | 10.34   | 3.95    | 7.65    | 0.48    | 0.80    | 2.96    |
| FT PIERC_R              | 6116     | SFWMD  | 1.44                      | 0.63    | 8.36    | 10.81   | 6.02    | 8.10    | 5.22    | 0.91    | 0.11    | 9.53    |
| Ft. Drum Weather        | 1350579  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FT. PIER_R              | 6015     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Haulover Canal          | 2248380  | USGS   | 0.63                      | 1.10    | 16.21   | 4.49    | 5.29    | 4.49    | 1.62    | 0.79    | 0.89    | 5.93    |
| I-95 RS                 | 760128   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Kiwanis Pk              | 1500682  | SJRWMD | 0.92                      | 0.79    | 6.21    | 3.33    | 8.34    | 2.81    | 3.97    | 1.86    | 0.45    | 5.33    |
| Lk Ashby                | 3200347  | SJRWMD | 0.95                      | 1.41    | 21.08   | 7.37    | 8.44    | 5.64    | 4.51    | 0.49    | 0.61    | 4.22    |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| MAXCEY N_R              | 5871     | SFWMD  | 1.70                      | 1.21    |         | 9.47    | 6.82    | 5.63    | 4.67    | 1.34    | 0.63    | 5.25    |
| Melbourne Rn            | 4120696  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 0.96                      | 0.76    | 11.90   | 6.05    | 5.29    | 3.32    | 6.45    | 1.27    | 0.26    | 6.59    |
| MELBOURNE WSO           | 85612    | NOAA   | 0.98                      | 2.27    | 11.72   | 4.40    | 8.33    | 5.44    | 8.08    | 1.01    | 0.38    | 5.96    |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 0.48                      | 1.06    | 14.56   | 8.05    | 6.05    | 4.74    | 4.58    | 2.85    | 1.02    | 5.39    |
| Ormond Bch Rn           | 1070077  | SJRWMD | 1.40                      | 1.58    | 8.94    | 5.65    | 8.28    | 4.16    | 5.85    | 0.83    | 0.79    | 3.47    |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 0.87                      | 1.34    | 8.35    | 7.19    | 7.89    | 3.70    | 6.36    | 0.50    | 0.32    | 5.31    |
| Palm Bay STP            | 1000410  | SJRWMD | 0.99                      | 0.88    | 6.83    | 6.72    | 7.74    | 3.63    | 6.62    | 1.55    | 0.52    | 5.62    |
| Parrish Pk Rn           | 1480674  | SJRWMD | 0.89                      | 1.10    | 13.78   | 4.06    | 4.38    | 4.82    | 4.58    | 1.37    | 0.56    | 4.34    |
| Patrick Air Force Base  | 747950   |        | 0.96                      | 0.76    | 11.90   | 6.05    | 5.29    | 3.32    | 6.45    | 1.27    | 0.26    | 6.59    |
| Playalinda              | 1490678  | SJRWMD | 0.12                      | 1.25    | 20.03   | 7.01    | 3.91    | 3.94    | 1.56    | 1.25    | 0.60    | 4.36    |
| Ponce Inlet Weather     | 18073682 | SJRWMD |                           | 1.48    | 20.74   | 7.29    | 6.15    | 6.15    | 0.68    | 1.01    | 0.90    | 4.36    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2009_03                   | 2009_04 | 2009_05 | 2009_06 | 2009_07 | 2009_08 | 2009_09 | 2009_10 | 2009_11 | 2009_12 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 1.34                      | 1.56    | 8.87    | 3.69    | 6.86    | 2.89    | 6.79    | 0.55    | 0.55    | 4.64    |
| S-157                   | 520215   | SJRWMD | 0.78                      | 0.54    | 10.89   | 4.47    | 9.68    | 4.69    | 3.81    | 0.45    | 0.41    | 7.06    |
| S-164                   | 530225   | SJRWMD | 1.54                      | 0.14    | 7.86    | 3.06    | 5.39    | 6.03    | 6.48    | 0.64    | 0.63    | 4.98    |
| S-251                   | 1103624  | SJRWMD | 0.52                      | 0.65    | 10.49   | 5.09    | 9.37    | 2.91    | 4.42    | 0.48    | 0.25    | 6.51    |
| S-252D                  | 1880101  | SJRWMD | 0.53                      | 0.76    | 8.49    | 8.49    | 10.34   | 7.59    | 3.62    | 0.12    | 0.31    | 7.10    |
| S-96                    | 510206   | SJRWMD | 1.17                      | 0.40    | 6.41    | 9.08    | 4.70    | 5.58    | 4.19    | 0.27    | 0.38    | 7.66    |
| S99_R                   | 16672    | SFWMD  | 0.71                      |         | 9.40    | 5.85    | 10.48   |         | 5.75    | 2.45    |         |         |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 1.58                      | 1.42    | 18.74   | 6.74    | 7.75    | 6.99    | 3.91    | 0.87    | 0.74    | 3.99    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 1.92                      | 0.43    | 8.09    | 6.21    | 7.95    | 6.52    | 4.46    | 1.28    | 0.44    | 6.99    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | 1.53                      | 1.02    | 6.94    | 2.05    |         | 4.85    |         | 2.33    |         | 6.84    |
| SVWX                    | FI273    | SFWMD  | 1.78                      | 0.18    | 5.21    | 2.44    | 3.89    | 3.77    | 3.92    | 1.82    | 2.34    | 4.07    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 1.24                      | 1.33    | 21.23   | 5.20    | 7.05    | 4.60    | 7.10    | 0.64    | 0.72    | 3.71    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   | 0.83                      | 1.33    | 11.17   |         |         |         |         |         | 0.63    | 4.45    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 1.81                      | 0.45    | 9.19    | 3.99    | 3.96    | 3.77    | 5.06    | 0.51    | 2.55    | 4.85    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   |                           | 1.68    |         | 4.10    |         | 4.21    | 6.04    |         | 2.90    |         |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 2.62                      | 0.44    | 10.52   | 4.50    | 4.76    | 3.66    | 4.79    | 0.48    | 2.89    | 5.58    |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 0.91                      | 1.01    | 6.51    | 11.34   | 5.43    | 6.92    | 7.61    | 0.46    | 0.52    | 5.37    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2010_01                   | 2010_02 | 2010_03 | 2010_04 | 2010_05 | 2010_06 | 2010_07 | 2010_08 | 2010_09 | 2010_10 |
| Barefoot Bay            | 730122   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCMCA E                 | 1240511  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| BCWMA E 1               | 1250526  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Big Flounder            | 1390643  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| C-58                    | 590263   | SJRWMD | 1.16                      | 3.21    | 9.56    | 3.06    | 2.37    | 4.29    | 3.48    | 5.51    | 4.10    | 0.30    |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Cananveral Air Strip    |          | SJRWMD | 1.91                      | 3.69    | 8.11    | 2.46    | 2.02    | 3.97    | 2.17    | 4.93    | 5.78    | 0.21    |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 5.92                      | 3.92    | 6.20    | 1.04    | 4.74    | 2.86    | 3.88    | 5.83    | 3.49    | 0.18    |
| Duda WS                 | 18854247 | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Far Reach Rch           | 580260   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   |                           |         |         |         |         |         |         |         |         | 0.02    |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | 1.30                      | 3.53    | 7.45    | 2.51    | 1.09    | 6.73    | 4.69    | 4.32    |         | 0.32    |
| Fox Lk                  | 690313   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Fox Lk Rn               | 30242801 | SJRWMD | 3.69                      | 4.53    |         | 2.33    | 2.33    | 5.23    | 2.18    | 7.26    | 4.70    | 0.11    |
| FT PIERC_R              | 6116     | SFWMD  | 1.21                      | 2.81    | 5.21    | 3.34    | 1.12    | 5.02    | 3.40    | 5.82    | 4.96    | 0.04    |
| Ft. Drum Weather        | 1350579  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| FT. PIER_R              | 6015     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Harlock Rd              | 3790529  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Haulover Canal          | 2248380  | USGS   | 1.84                      | 5.17    | 7.12    | 5.88    |         |         | 2.09    | 2.28    | 2.17    | 0.14    |
| I-95 RS                 | 760128   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Jane Green Ck S-161A    | 600285   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Kiwanis Pk              | 1500682  | SJRWMD | 2.06                      | 2.92    | 8.47    | 2.24    | 0.20    | 1.46    | 0.64    | 5.77    | 4.50    | 0.10    |
| Lk Ashby                | 3200347  | SJRWMD | 4.50                      | 4.71    | 2.60    | 2.12    | 0.83    | 4.58    | 5.89    | 6.66    | 2.95    | 0.20    |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| MAXCEY N_R              | 5871     | SFWMD  | 1.43                      | 2.72    | 6.94    | 2.88    | 0.61    | 8.06    | 5.43    | 7.53    | 4.58    | 0.02    |
| Melbourne Rn            | 4120696  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 1.18                      | 3.63    | 7.44    | 2.31    | 1.13    | 4.70    | 1.26    | 5.38    | 6.52    | 0.04    |
| MELBOURNE WSO           | 85612    | NOAA   | 0.98                      | 3.19    | 9.50    | 2.60    | 0.30    | 4.85    | 1.35    | 7.32    | 7.07    | 0.13    |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 3.53                      | 4.35    | 8.87    | 4.73    | 3.00    | 3.23    | 4.26    | 5.62    | 5.67    | 0.00    |
| Ormond Bch Rn           | 1070077  | SJRWMD | 5.99                      | 4.28    | 5.85    | 0.53    | 3.98    | 1.53    | 1.74    | 3.30    | 2.31    | 0.10    |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 1.14                      | 2.74    | 8.85    | 2.10    | 2.69    | 4.62    | 3.36    | 5.26    | 4.44    | 0.01    |
| Palm Bay STP            | 1000410  | SJRWMD | 0.85                      | 2.77    | 7.70    | 2.18    | 2.65    | 5.40    | 1.72    | 4.96    | 6.85    | 0.03    |
| Parrish Pk Rn           | 1480674  | SJRWMD | 3.47                      | 5.09    | 7.51    | 1.97    | 5.71    | 3.07    | 1.81    | 3.62    | 4.35    | 0.07    |
| Patrick Air Force Base  | 747950   |        |                           |         |         |         |         |         |         |         |         |         |
| Playalinda              | 1490678  | SJRWMD | 3.19                      | 4.01    | 5.87    | 1.95    | 3.03    | 2.61    | 0.82    | 5.25    | 5.17    | 0.00    |
| Ponce Inlet Weather     | 18073682 | SJRWMD | 3.22                      | 4.14    | 4.61    | 1.40    | 4.19    | 3.06    | 1.44    | 2.92    | 1.76    | 0.00    |

| Station                 | ID       | Source | Monthly Rainfall (inches) |         |         |         |         |         |         |         |         |         |
|-------------------------|----------|--------|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                         |          |        | 2010_01                   | 2010_02 | 2010_03 | 2010_04 | 2010_05 | 2010_06 | 2010_07 | 2010_08 | 2010_09 | 2010_10 |
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 2.65                      | 4.91    | 8.79    | 1.83    | 2.30    | 6.03    | 2.22    | 5.17    | 5.86    | 0.01    |
| S-157                   | 520215   | SJRWMD | 1.42                      | 2.14    | 7.91    | 2.78    | 2.23    | 3.71    | 2.64    | 4.31    | 7.45    | 0.04    |
| S-164                   | 530225   | SJRWMD | 2.10                      | 4.31    | 6.98    | 3.56    | 2.38    | 5.34    | 2.68    | 5.43    | 8.04    | 0.19    |
| S-251                   | 1103624  | SJRWMD | 1.22                      | 1.77    | 8.39    | 2.77    | 3.66    | 5.88    | 6.39    | 4.01    | 6.54    | 0.03    |
| S-252D                  | 1880101  | SJRWMD | 1.52                      | 1.96    | 7.46    | 2.93    | 4.24    |         | 3.92    | 5.44    | 7.56    | 0.05    |
| S-96                    | 510206   | SJRWMD | 1.05                      | 2.52    | 8.36    | 2.85    | 2.91    | 2.21    | 3.17    | 5.71    | 5.63    | 0.12    |
| S99_R                   | 16672    | SFWMD  | 1.22                      | 2.69    | 5.98    | 2.99    | 1.54    | 8.29    | 5.35    | 8.17    | 5.60    | 0.20    |
| Sawgrass Lk             | 4340864  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |                           |         |         |         |         |         |         |         |         |         |
| Seminole Rch            | 670294   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at Beeline          | 630271   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| SJR at SR46             | 640275   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Smyrna Dunes            |          | SJRWMD | 4.66                      | 4.34    | 6.29    | 1.59    | 3.79    | 4.18    | 4.56    | 6.34    | 3.49    | 0.39    |
| Snyder Fish Frm         | 720120   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| South Lk                | 4450882  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Southeast Point         |          | SJRWMD | 1.28                      | 2.73    | 6.27    | 3.47    | 2.16    | 5.83    | 3.67    | 6.39    | 5.47    | 0.28    |
| SR528 SJR               | 1620761  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | 2.50                      | 2.16    | 10.90   |         | 3.53    | 7.00    | 1.65    | 7.54    | 10.12   |         |
| SWWX                    | FI273    | SFWMD  | 1.27                      | 3.62    | 7.12    | 3.16    | 0.81    | 5.53    | 1.78    | 7.23    | 5.48    |         |
| Tiger Bay Rn            | 5190117  | SJRWMD | 5.37                      | 4.48    | 5.81    | 1.16    | 4.50    | 4.71    | 7.51    | 5.18    | 5.31    | 0.59    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   |                           | 5.98    | 8.48    | 2.87    | 1.96    | 1.71    |         | 6.19    | 3.28    | 0.17    |
| Trout Ck Grant          | 780132   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Tucker WS               | 1540705  | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Valkaria Ap             | 750126   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 0.90                      | 1.96    | 8.55    | 3.70    | 3.72    | 5.19    | 1.56    | 3.20    | 5.19    | 0.02    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   | 0.98                      |         | 9.12    | 4.06    | 3.16    | 5.27    |         |         | 5.94    | 0.02    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 0.94                      | 2.14    | 9.42    | 3.91    | 3.16    | 5.11    | 1.67    | 2.89    | 4.80    | 0.01    |
| W Melbourne Rn          | 790135   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| West Cnl                | 870172   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Willowbrook TP          | 740124   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |                           |         |         |         |         |         |         |         |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 0.96                      | 2.53    | 7.46    | 2.24    | 2.34    | 6.13    | 5.41    | 5.68    | 7.51    | 0.01    |



| Station                 | ID       | Source | 2010_11 | 2010_12 |
|-------------------------|----------|--------|---------|---------|
|                         |          |        |         |         |
| Barefoot Bay            | 730122   | SJRWMD |         |         |
| BCMCA E                 | 1240511  | SJRWMD |         |         |
| BCWMA E 1               | 1250526  | SJRWMD |         |         |
| Big Flounder            | 1390643  | SJRWMD |         |         |
| C-58                    | 590263   | SJRWMD | 2.76    | 0.99    |
| C-69 Cnl Eber Rd        | 770130   | SJRWMD |         |         |
| Cananveral Air Strip    |          | SJRWMD | 2.21    | 0.64    |
| DAYTONA BEACH WSO AP    | 82158    | NOAA   | 0.95    | 0.38    |
| Duda WS                 | 18854247 | SJRWMD |         |         |
| Far Reach Rch           | 580260   | SJRWMD |         |         |
| FORT DRUM 5 NW, FLORIDA | 83137    | NOAA   | 2.63    | 0.79    |
| FORT PIERCE, FLORIDA    | 83207    | NOAA   | 1.38    | 0.39    |
| Fox Lk                  | 690313   | SJRWMD |         |         |
| Fox Lk Rn               | 30242801 | SJRWMD | 2.73    | 0.34    |
| FT PIERC R              | 6116     | SFWMD  | 0.31    | 0.13    |
| Ft. Drum Weather        | 1350579  | SJRWMD |         |         |
| FT. PIER R              | 6015     | SFWMD  |         |         |
| Harlock Rd              | 3790529  | SJRWMD |         |         |
| Haulover Canal          | 2248380  | USGS   | 1.17    | 0.27    |
| I-95 RS                 | 760128   | SJRWMD |         |         |
| Jane Green Ck S-161A    | 600285   | SJRWMD |         |         |
| Kiwanis Pk              | 1500682  | SJRWMD | 3.93    | 0.48    |
| Lk Ashby                | 3200347  | SJRWMD | 1.75    | 0.36    |
| Lt Sawgrass Lk          | 1570741  | SJRWMD |         |         |
| MAXCEY N_R              | 5871     | SFWMD  | 2.34    | 1.64    |
| Melbourne Rn            | 4120696  | SJRWMD |         |         |
| Melbourne Wickham Rd    | 100109   | SJRWMD | 1.99    | 1.20    |
| MELBOURNE WSO           | 85612    | NOAA   | 2.31    | 1.95    |
| ORLANDO WSO MCCOY       | 86628    | NOAA   | 1.68    | 0.78    |
| Ormond Bch Rn           | 1070077  | SJRWMD | 1.67    | 0.58    |
| Palm Bay Public Wrks    | 4210749  | SJRWMD | 1.32    | 1.28    |
| Palm Bay STP            | 1000410  | SJRWMD | 1.86    | 0.94    |
| Parrish Pk Rn           | 1480674  | SJRWMD | 2.25    | 0.46    |
| Patrick Air Force Base  | 747950   |        |         |         |
| Playalinda              | 1490678  | SJRWMD | 1.00    | 0.46    |
| Ponce Inlet Weather     | 18073682 | SJRWMD | 0.57    | 0.16    |

| Station                 | ID       | Source | 2010_11 | 2010_12 |
|-------------------------|----------|--------|---------|---------|
| Ransom Rd Pine Is       | 15112758 | SJRWMD | 3.29    | 0.56    |
| S-157                   | 520215   | SJRWMD | 1.13    | 0.59    |
| S-164                   | 530225   | SJRWMD | 1.98    | 0.53    |
| S-251                   | 1103624  | SJRWMD | 2.07    | 0.71    |
| S-252D                  | 1880101  | SJRWMD | 3.25    | 0.82    |
| S-96                    | 510206   | SJRWMD | 2.13    | 0.97    |
| S99_R                   | 16672    | SFWMD  | 1.63    | 0.42    |
| Sawgrass Lk             | 4340864  | SJRWMD |         |         |
| SCOTTO G_R              | 6031     | SFWMD  |         |         |
| Seminole Rch            | 670294   | SJRWMD |         |         |
| SJR at Beeline          | 630271   | SJRWMD |         |         |
| SJR at SR46             | 640275   | SJRWMD |         |         |
| Smyrna Dunes            |          | SJRWMD | 1.38    | 0.31    |
| Snyder Fish Frm         | 720120   | SJRWMD |         |         |
| South Lk                | 4450882  | SJRWMD |         |         |
| Southeast Point         |          | SJRWMD | 1.11    | 0.39    |
| SR528 SJR               | 1620761  | SJRWMD |         |         |
| STUART 1 N, FLORIDA     | 88620    | NOAA   | 2.29    | 0.70    |
| SVWX                    | FI273    | SFWMD  | 2.11    | 0.54    |
| Tiger Bay Rn            | 5190117  | SJRWMD | 1.48    | 0.44    |
| TITUSVILLE, FLORIDA     | 88942    | NOAA   |         | 0.32    |
| Trout Ck Grant          | 780132   | SJRWMD |         |         |
| Tucker WS               | 1540705  | SJRWMD |         |         |
| Valkaria Ap             | 750126   | SJRWMD |         |         |
| Vero Bch AP             | 1510686  | SJRWMD | 2.05    | 0.58    |
| VERO BEACH 4 W, FLORIDA | 89219    | NOAA   |         | 0.68    |
| VERO BEACH MUNI ARPT    | 89214    | NOAA   | 2.43    | 0.56    |
| W Melbourne Rn          | 790135   | SJRWMD |         |         |
| West Cnl                | 870172   | SJRWMD |         |         |
| Willowbrook TP          | 740124   | SJRWMD |         |         |
| Wolf Ck S-163           | 610265   | SJRWMD |         |         |
| Yeehaw Junction         | 1330563  | SJRWMD | 1.00    | 1.82    |

## **APPENDIX B**

### **MODELED MONTHLY RUNOFF COEFFICIENTS AT THE THREE HOURLY METEOROLOGICAL SITES**

- B.1 Daytona Beach
- B.2 Melbourne
- B.3 Vero Beach
- B.4 Combined Mean Values

## **B.1 Daytona Beach**

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of January

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.080 | 0.119 | 0.159 | 0.199 | 0.239 | 0.278 | 0.318 | 0.358 | 0.398 | 0.437 | 0.477 | 0.517 | 0.557 | 0.596 | 0.636 | 0.676 | 0.716 | 0.755 | 0.795 |
| 35          | 0.001        | 0.041 | 0.080 | 0.120 | 0.160 | 0.200 | 0.239 | 0.279 | 0.319 | 0.358 | 0.398 | 0.438 | 0.477 | 0.517 | 0.557 | 0.597 | 0.636 | 0.676 | 0.716 | 0.755 | 0.795 |
| 40          | 0.003        | 0.042 | 0.082 | 0.122 | 0.161 | 0.201 | 0.240 | 0.280 | 0.320 | 0.359 | 0.399 | 0.438 | 0.478 | 0.518 | 0.557 | 0.597 | 0.637 | 0.676 | 0.716 | 0.755 | 0.795 |
| 45          | 0.006        | 0.045 | 0.085 | 0.124 | 0.164 | 0.203 | 0.242 | 0.282 | 0.321 | 0.361 | 0.400 | 0.440 | 0.479 | 0.519 | 0.558 | 0.598 | 0.637 | 0.677 | 0.716 | 0.756 | 0.795 |
| 50          | 0.010        | 0.050 | 0.089 | 0.128 | 0.167 | 0.207 | 0.246 | 0.285 | 0.324 | 0.364 | 0.403 | 0.442 | 0.481 | 0.520 | 0.560 | 0.599 | 0.638 | 0.677 | 0.717 | 0.756 | 0.795 |
| 55          | 0.017        | 0.056 | 0.095 | 0.134 | 0.173 | 0.212 | 0.251 | 0.290 | 0.328 | 0.367 | 0.406 | 0.445 | 0.484 | 0.523 | 0.562 | 0.601 | 0.640 | 0.678 | 0.717 | 0.756 | 0.795 |
| 60          | 0.027        | 0.065 | 0.104 | 0.142 | 0.180 | 0.219 | 0.257 | 0.296 | 0.334 | 0.373 | 0.411 | 0.449 | 0.488 | 0.526 | 0.565 | 0.603 | 0.641 | 0.680 | 0.718 | 0.757 | 0.795 |
| 65          | 0.039        | 0.077 | 0.115 | 0.152 | 0.190 | 0.228 | 0.266 | 0.304 | 0.341 | 0.379 | 0.417 | 0.455 | 0.493 | 0.530 | 0.568 | 0.606 | 0.644 | 0.682 | 0.719 | 0.757 | 0.795 |
| 70          | 0.055        | 0.092 | 0.129 | 0.166 | 0.203 | 0.240 | 0.277 | 0.314 | 0.351 | 0.388 | 0.425 | 0.462 | 0.499 | 0.536 | 0.573 | 0.610 | 0.647 | 0.684 | 0.721 | 0.758 | 0.795 |
| 75          | 0.076        | 0.112 | 0.148 | 0.184 | 0.220 | 0.256 | 0.292 | 0.328 | 0.364 | 0.400 | 0.436 | 0.472 | 0.508 | 0.544 | 0.579 | 0.615 | 0.651 | 0.687 | 0.723 | 0.759 | 0.795 |
| 80          | 0.107        | 0.141 | 0.176 | 0.210 | 0.245 | 0.279 | 0.313 | 0.348 | 0.382 | 0.417 | 0.451 | 0.485 | 0.520 | 0.554 | 0.589 | 0.623 | 0.657 | 0.692 | 0.726 | 0.761 | 0.795 |
| 85          | 0.152        | 0.185 | 0.217 | 0.249 | 0.281 | 0.313 | 0.345 | 0.377 | 0.409 | 0.442 | 0.474 | 0.506 | 0.538 | 0.570 | 0.602 | 0.634 | 0.667 | 0.699 | 0.731 | 0.763 | 0.795 |
| 90          | 0.227        | 0.255 | 0.284 | 0.312 | 0.341 | 0.369 | 0.397 | 0.426 | 0.454 | 0.483 | 0.511 | 0.539 | 0.568 | 0.596 | 0.625 | 0.653 | 0.681 | 0.710 | 0.738 | 0.767 | 0.795 |
| 95          | 0.377        | 0.398 | 0.418 | 0.439 | 0.460 | 0.481 | 0.502 | 0.523 | 0.544 | 0.565 | 0.586 | 0.607 | 0.628 | 0.649 | 0.670 | 0.690 | 0.711 | 0.732 | 0.753 | 0.774 | 0.795 |
| 98          | 0.571        | 0.582 | 0.593 | 0.605 | 0.616 | 0.627 | 0.638 | 0.649 | 0.661 | 0.672 | 0.683 | 0.694 | 0.705 | 0.717 | 0.728 | 0.739 | 0.750 | 0.761 | 0.773 | 0.784 | 0.795 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of February

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.081 | 0.121 | 0.161 | 0.202 | 0.242 | 0.282 | 0.323 | 0.363 | 0.403 | 0.444 | 0.484 | 0.524 | 0.565 | 0.605 | 0.645 | 0.686 | 0.726 | 0.766 | 0.807 |
| 35          | 0.000        | 0.040 | 0.081 | 0.121 | 0.161 | 0.202 | 0.242 | 0.282 | 0.323 | 0.363 | 0.403 | 0.444 | 0.484 | 0.524 | 0.565 | 0.605 | 0.645 | 0.686 | 0.726 | 0.766 | 0.807 |
| 40          | 0.001        | 0.041 | 0.081 | 0.121 | 0.162 | 0.202 | 0.242 | 0.283 | 0.323 | 0.363 | 0.404 | 0.444 | 0.484 | 0.525 | 0.565 | 0.605 | 0.645 | 0.686 | 0.726 | 0.766 | 0.807 |
| 45          | 0.002        | 0.042 | 0.082 | 0.122 | 0.163 | 0.203 | 0.243 | 0.283 | 0.324 | 0.364 | 0.404 | 0.444 | 0.485 | 0.525 | 0.565 | 0.605 | 0.646 | 0.686 | 0.726 | 0.766 | 0.807 |
| 50          | 0.004        | 0.044 | 0.084 | 0.124 | 0.164 | 0.205 | 0.245 | 0.285 | 0.325 | 0.365 | 0.405 | 0.445 | 0.486 | 0.526 | 0.566 | 0.606 | 0.646 | 0.686 | 0.726 | 0.767 | 0.807 |
| 55          | 0.007        | 0.047 | 0.087 | 0.127 | 0.167 | 0.207 | 0.247 | 0.287 | 0.327 | 0.367 | 0.407 | 0.447 | 0.487 | 0.527 | 0.567 | 0.607 | 0.647 | 0.687 | 0.727 | 0.767 | 0.807 |
| 60          | 0.013        | 0.053 | 0.093 | 0.132 | 0.172 | 0.212 | 0.251 | 0.291 | 0.331 | 0.370 | 0.410 | 0.450 | 0.489 | 0.529 | 0.569 | 0.608 | 0.648 | 0.688 | 0.727 | 0.767 | 0.807 |
| 65          | 0.022        | 0.061 | 0.101 | 0.140 | 0.179 | 0.218 | 0.258 | 0.297 | 0.336 | 0.375 | 0.414 | 0.454 | 0.493 | 0.532 | 0.571 | 0.611 | 0.650 | 0.689 | 0.728 | 0.768 | 0.807 |
| 70          | 0.036        | 0.074 | 0.113 | 0.152 | 0.190 | 0.229 | 0.267 | 0.306 | 0.344 | 0.383 | 0.421 | 0.460 | 0.498 | 0.537 | 0.575 | 0.614 | 0.653 | 0.691 | 0.730 | 0.768 | 0.807 |
| 75          | 0.057        | 0.094 | 0.132 | 0.169 | 0.207 | 0.244 | 0.282 | 0.319 | 0.357 | 0.394 | 0.432 | 0.469 | 0.507 | 0.544 | 0.582 | 0.619 | 0.657 | 0.694 | 0.732 | 0.769 | 0.807 |
| 80          | 0.089        | 0.125 | 0.161 | 0.197 | 0.233 | 0.268 | 0.304 | 0.340 | 0.376 | 0.412 | 0.448 | 0.484 | 0.520 | 0.556 | 0.591 | 0.627 | 0.663 | 0.699 | 0.735 | 0.771 | 0.807 |
| 85          | 0.141        | 0.174 | 0.208 | 0.241 | 0.274 | 0.308 | 0.341 | 0.374 | 0.407 | 0.441 | 0.474 | 0.507 | 0.540 | 0.574 | 0.607 | 0.640 | 0.674 | 0.707 | 0.740 | 0.773 | 0.807 |
| 90          | 0.229        | 0.258 | 0.287 | 0.315 | 0.344 | 0.373 | 0.402 | 0.431 | 0.460 | 0.489 | 0.518 | 0.547 | 0.576 | 0.604 | 0.633 | 0.662 | 0.691 | 0.720 | 0.749 | 0.778 | 0.807 |
| 95          | 0.396        | 0.416 | 0.437 | 0.457 | 0.478 | 0.498 | 0.519 | 0.540 | 0.560 | 0.581 | 0.601 | 0.622 | 0.642 | 0.663 | 0.683 | 0.704 | 0.725 | 0.745 | 0.766 | 0.786 | 0.807 |
| 98          | 0.590        | 0.601 | 0.611 | 0.622 | 0.633 | 0.644 | 0.655 | 0.666 | 0.676 | 0.687 | 0.698 | 0.709 | 0.720 | 0.731 | 0.742 | 0.752 | 0.763 | 0.774 | 0.785 | 0.796 | 0.807 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of March

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.003        | 0.045 | 0.087 | 0.129 | 0.171 | 0.213 | 0.255 | 0.297 | 0.339 | 0.381 | 0.423 | 0.465 | 0.507 | 0.549 | 0.591 | 0.633 | 0.675 | 0.717 | 0.759 | 0.801 | 0.843 |
| 35          | 0.006        | 0.047 | 0.089 | 0.131 | 0.173 | 0.215 | 0.257 | 0.299 | 0.341 | 0.382 | 0.424 | 0.466 | 0.508 | 0.550 | 0.592 | 0.634 | 0.676 | 0.718 | 0.759 | 0.801 | 0.843 |
| 40          | 0.009        | 0.051 | 0.093 | 0.134 | 0.176 | 0.218 | 0.259 | 0.301 | 0.343 | 0.385 | 0.426 | 0.468 | 0.510 | 0.551 | 0.593 | 0.635 | 0.676 | 0.718 | 0.760 | 0.802 | 0.843 |
| 45          | 0.014        | 0.056 | 0.097 | 0.139 | 0.180 | 0.222 | 0.263 | 0.305 | 0.346 | 0.387 | 0.429 | 0.470 | 0.512 | 0.553 | 0.595 | 0.636 | 0.677 | 0.719 | 0.760 | 0.802 | 0.843 |
| 50          | 0.021        | 0.062 | 0.103 | 0.144 | 0.186 | 0.227 | 0.268 | 0.309 | 0.350 | 0.391 | 0.432 | 0.473 | 0.514 | 0.555 | 0.597 | 0.638 | 0.679 | 0.720 | 0.761 | 0.802 | 0.843 |
| 55          | 0.030        | 0.070 | 0.111 | 0.152 | 0.192 | 0.233 | 0.274 | 0.314 | 0.355 | 0.396 | 0.436 | 0.477 | 0.518 | 0.558 | 0.599 | 0.640 | 0.681 | 0.721 | 0.762 | 0.803 | 0.843 |
| 60          | 0.041        | 0.081 | 0.121 | 0.161 | 0.201 | 0.241 | 0.281 | 0.322 | 0.362 | 0.402 | 0.442 | 0.482 | 0.522 | 0.562 | 0.602 | 0.643 | 0.683 | 0.723 | 0.763 | 0.803 | 0.843 |
| 65          | 0.054        | 0.094 | 0.133 | 0.173 | 0.212 | 0.252 | 0.291 | 0.331 | 0.370 | 0.409 | 0.449 | 0.488 | 0.528 | 0.567 | 0.607 | 0.646 | 0.685 | 0.725 | 0.764 | 0.804 | 0.843 |
| 70          | 0.072        | 0.110 | 0.149 | 0.187 | 0.226 | 0.265 | 0.303 | 0.342 | 0.380 | 0.419 | 0.457 | 0.496 | 0.535 | 0.573 | 0.612 | 0.650 | 0.689 | 0.727 | 0.766 | 0.805 | 0.843 |
| 75          | 0.094        | 0.131 | 0.169 | 0.206 | 0.244 | 0.281 | 0.319 | 0.356 | 0.394 | 0.431 | 0.469 | 0.506 | 0.544 | 0.581 | 0.618 | 0.656 | 0.693 | 0.731 | 0.768 | 0.806 | 0.843 |
| 80          | 0.125        | 0.161 | 0.197 | 0.232 | 0.268 | 0.304 | 0.340 | 0.376 | 0.412 | 0.448 | 0.484 | 0.520 | 0.556 | 0.592 | 0.628 | 0.664 | 0.700 | 0.735 | 0.771 | 0.807 | 0.843 |
| 85          | 0.171        | 0.205 | 0.238 | 0.272 | 0.305 | 0.339 | 0.373 | 0.406 | 0.440 | 0.474 | 0.507 | 0.541 | 0.574 | 0.608 | 0.642 | 0.675 | 0.709 | 0.742 | 0.776 | 0.810 | 0.843 |
| 90          | 0.251        | 0.281 | 0.310 | 0.340 | 0.369 | 0.399 | 0.429 | 0.458 | 0.488 | 0.517 | 0.547 | 0.577 | 0.606 | 0.636 | 0.666 | 0.695 | 0.725 | 0.754 | 0.784 | 0.814 | 0.843 |
| 95          | 0.413        | 0.434 | 0.456 | 0.477 | 0.499 | 0.520 | 0.542 | 0.563 | 0.585 | 0.606 | 0.628 | 0.650 | 0.671 | 0.693 | 0.714 | 0.736 | 0.757 | 0.779 | 0.800 | 0.822 | 0.843 |
| 98          | 0.616        | 0.627 | 0.639 | 0.650 | 0.662 | 0.673 | 0.684 | 0.696 | 0.707 | 0.718 | 0.730 | 0.741 | 0.752 | 0.764 | 0.775 | 0.786 | 0.798 | 0.809 | 0.821 | 0.832 | 0.843 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of April

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.041 | 0.083 | 0.124 | 0.165 | 0.206 | 0.248 | 0.289 | 0.330 | 0.371 | 0.413 | 0.454 | 0.495 | 0.536 | 0.578 | 0.619 | 0.660 | 0.701 | 0.742 | 0.784 | 0.825 |
| 35          | 0.001        | 0.042 | 0.083 | 0.124 | 0.165 | 0.207 | 0.248 | 0.289 | 0.330 | 0.372 | 0.413 | 0.454 | 0.495 | 0.536 | 0.578 | 0.619 | 0.660 | 0.701 | 0.743 | 0.784 | 0.825 |
| 40          | 0.001        | 0.042 | 0.084 | 0.125 | 0.166 | 0.207 | 0.248 | 0.290 | 0.331 | 0.372 | 0.413 | 0.454 | 0.495 | 0.537 | 0.578 | 0.619 | 0.660 | 0.701 | 0.743 | 0.784 | 0.825 |
| 45          | 0.002        | 0.043 | 0.084 | 0.126 | 0.167 | 0.208 | 0.249 | 0.290 | 0.331 | 0.372 | 0.414 | 0.455 | 0.496 | 0.537 | 0.578 | 0.619 | 0.660 | 0.702 | 0.743 | 0.784 | 0.825 |
| 50          | 0.003        | 0.044 | 0.085 | 0.127 | 0.168 | 0.209 | 0.250 | 0.291 | 0.332 | 0.373 | 0.414 | 0.455 | 0.496 | 0.537 | 0.578 | 0.620 | 0.661 | 0.702 | 0.743 | 0.784 | 0.825 |
| 55          | 0.005        | 0.046 | 0.087 | 0.128 | 0.169 | 0.210 | 0.251 | 0.292 | 0.333 | 0.374 | 0.415 | 0.456 | 0.497 | 0.538 | 0.579 | 0.620 | 0.661 | 0.702 | 0.743 | 0.784 | 0.825 |
| 60          | 0.008        | 0.049 | 0.090 | 0.131 | 0.172 | 0.212 | 0.253 | 0.294 | 0.335 | 0.376 | 0.417 | 0.457 | 0.498 | 0.539 | 0.580 | 0.621 | 0.662 | 0.702 | 0.743 | 0.784 | 0.825 |
| 65          | 0.015        | 0.055 | 0.096 | 0.136 | 0.177 | 0.217 | 0.258 | 0.298 | 0.339 | 0.379 | 0.420 | 0.460 | 0.501 | 0.541 | 0.582 | 0.622 | 0.663 | 0.703 | 0.744 | 0.784 | 0.825 |
| 70          | 0.025        | 0.065 | 0.105 | 0.145 | 0.185 | 0.225 | 0.265 | 0.305 | 0.345 | 0.385 | 0.425 | 0.465 | 0.505 | 0.545 | 0.585 | 0.625 | 0.665 | 0.705 | 0.745 | 0.785 | 0.825 |
| 75          | 0.043        | 0.082 | 0.121 | 0.160 | 0.199 | 0.238 | 0.277 | 0.317 | 0.356 | 0.395 | 0.434 | 0.473 | 0.512 | 0.551 | 0.590 | 0.629 | 0.669 | 0.708 | 0.747 | 0.786 | 0.825 |
| 80          | 0.072        | 0.110 | 0.147 | 0.185 | 0.223 | 0.260 | 0.298 | 0.336 | 0.373 | 0.411 | 0.448 | 0.486 | 0.524 | 0.561 | 0.599 | 0.637 | 0.674 | 0.712 | 0.750 | 0.787 | 0.825 |
| 85          | 0.121        | 0.156 | 0.191 | 0.226 | 0.262 | 0.297 | 0.332 | 0.367 | 0.402 | 0.438 | 0.473 | 0.508 | 0.543 | 0.578 | 0.614 | 0.649 | 0.684 | 0.719 | 0.755 | 0.790 | 0.825 |
| 90          | 0.207        | 0.237 | 0.268 | 0.299 | 0.330 | 0.361 | 0.392 | 0.423 | 0.454 | 0.485 | 0.516 | 0.547 | 0.578 | 0.609 | 0.639 | 0.670 | 0.701 | 0.732 | 0.763 | 0.794 | 0.825 |
| 95          | 0.376        | 0.398 | 0.421 | 0.443 | 0.466 | 0.488 | 0.511 | 0.533 | 0.556 | 0.578 | 0.600 | 0.623 | 0.645 | 0.668 | 0.690 | 0.713 | 0.735 | 0.758 | 0.780 | 0.803 | 0.825 |
| 98          | 0.587        | 0.599 | 0.611 | 0.623 | 0.635 | 0.647 | 0.659 | 0.670 | 0.682 | 0.694 | 0.706 | 0.718 | 0.730 | 0.742 | 0.754 | 0.766 | 0.777 | 0.789 | 0.801 | 0.813 | 0.825 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of May

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.039 | 0.077 | 0.116 | 0.154 | 0.193 | 0.231 | 0.270 | 0.308 | 0.347 | 0.386 | 0.424 | 0.463 | 0.501 | 0.540 | 0.578 | 0.617 | 0.655 | 0.694 | 0.732 | 0.771 |
| 35          | 0.000        | 0.039 | 0.077 | 0.116 | 0.154 | 0.193 | 0.231 | 0.270 | 0.308 | 0.347 | 0.386 | 0.424 | 0.463 | 0.501 | 0.540 | 0.578 | 0.617 | 0.655 | 0.694 | 0.732 | 0.771 |
| 40          | 0.000        | 0.039 | 0.077 | 0.116 | 0.154 | 0.193 | 0.231 | 0.270 | 0.308 | 0.347 | 0.386 | 0.424 | 0.463 | 0.501 | 0.540 | 0.578 | 0.617 | 0.655 | 0.694 | 0.732 | 0.771 |
| 45          | 0.000        | 0.039 | 0.077 | 0.116 | 0.154 | 0.193 | 0.232 | 0.270 | 0.309 | 0.347 | 0.386 | 0.424 | 0.463 | 0.501 | 0.540 | 0.578 | 0.617 | 0.655 | 0.694 | 0.732 | 0.771 |
| 50          | 0.001        | 0.040 | 0.078 | 0.117 | 0.155 | 0.194 | 0.232 | 0.271 | 0.309 | 0.348 | 0.386 | 0.425 | 0.463 | 0.502 | 0.540 | 0.579 | 0.617 | 0.656 | 0.694 | 0.733 | 0.771 |
| 55          | 0.002        | 0.041 | 0.079 | 0.118 | 0.156 | 0.195 | 0.233 | 0.271 | 0.310 | 0.348 | 0.387 | 0.425 | 0.464 | 0.502 | 0.540 | 0.579 | 0.617 | 0.656 | 0.694 | 0.733 | 0.771 |
| 60          | 0.005        | 0.043 | 0.082 | 0.120 | 0.158 | 0.196 | 0.235 | 0.273 | 0.311 | 0.350 | 0.388 | 0.426 | 0.465 | 0.503 | 0.541 | 0.579 | 0.618 | 0.656 | 0.694 | 0.733 | 0.771 |
| 65          | 0.009        | 0.047 | 0.085 | 0.123 | 0.162 | 0.200 | 0.238 | 0.276 | 0.314 | 0.352 | 0.390 | 0.428 | 0.466 | 0.504 | 0.542 | 0.581 | 0.619 | 0.657 | 0.695 | 0.733 | 0.771 |
| 70          | 0.016        | 0.054 | 0.091 | 0.129 | 0.167 | 0.205 | 0.242 | 0.280 | 0.318 | 0.356 | 0.393 | 0.431 | 0.469 | 0.507 | 0.544 | 0.582 | 0.620 | 0.658 | 0.695 | 0.733 | 0.771 |
| 75          | 0.027        | 0.064 | 0.101 | 0.138 | 0.175 | 0.213 | 0.250 | 0.287 | 0.324 | 0.362 | 0.399 | 0.436 | 0.473 | 0.510 | 0.548 | 0.585 | 0.622 | 0.659 | 0.697 | 0.734 | 0.771 |
| 80          | 0.045        | 0.082 | 0.118 | 0.154 | 0.190 | 0.227 | 0.263 | 0.299 | 0.336 | 0.372 | 0.408 | 0.444 | 0.481 | 0.517 | 0.553 | 0.590 | 0.626 | 0.662 | 0.698 | 0.735 | 0.771 |
| 85          | 0.080        | 0.115 | 0.149 | 0.184 | 0.218 | 0.253 | 0.287 | 0.322 | 0.356 | 0.391 | 0.425 | 0.460 | 0.495 | 0.529 | 0.564 | 0.598 | 0.633 | 0.667 | 0.702 | 0.736 | 0.771 |
| 90          | 0.148        | 0.179 | 0.210 | 0.241 | 0.273 | 0.304 | 0.335 | 0.366 | 0.397 | 0.428 | 0.459 | 0.491 | 0.522 | 0.553 | 0.584 | 0.615 | 0.646 | 0.678 | 0.709 | 0.740 | 0.771 |
| 95          | 0.300        | 0.324 | 0.347 | 0.371 | 0.394 | 0.418 | 0.441 | 0.465 | 0.488 | 0.512 | 0.536 | 0.559 | 0.583 | 0.606 | 0.630 | 0.653 | 0.677 | 0.700 | 0.724 | 0.747 | 0.771 |
| 98          | 0.511        | 0.524 | 0.537 | 0.550 | 0.563 | 0.576 | 0.589 | 0.602 | 0.615 | 0.628 | 0.641 | 0.654 | 0.667 | 0.680 | 0.693 | 0.706 | 0.719 | 0.732 | 0.745 | 0.758 | 0.771 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of June

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.003        | 0.044 | 0.085 | 0.126 | 0.168 | 0.209 | 0.250 | 0.291 | 0.333 | 0.374 | 0.415 | 0.456 | 0.498 | 0.539 | 0.580 | 0.621 | 0.663 | 0.704 | 0.745 | 0.786 | 0.828 |
| 35          | 0.004        | 0.046 | 0.087 | 0.128 | 0.169 | 0.210 | 0.251 | 0.293 | 0.334 | 0.375 | 0.416 | 0.457 | 0.498 | 0.540 | 0.581 | 0.622 | 0.663 | 0.704 | 0.745 | 0.787 | 0.828 |
| 40          | 0.007        | 0.048 | 0.089 | 0.130 | 0.171 | 0.212 | 0.253 | 0.294 | 0.335 | 0.376 | 0.417 | 0.458 | 0.499 | 0.540 | 0.582 | 0.623 | 0.664 | 0.705 | 0.746 | 0.787 | 0.828 |
| 45          | 0.011        | 0.052 | 0.093 | 0.134 | 0.174 | 0.215 | 0.256 | 0.297 | 0.338 | 0.379 | 0.419 | 0.460 | 0.501 | 0.542 | 0.583 | 0.624 | 0.664 | 0.705 | 0.746 | 0.787 | 0.828 |
| 50          | 0.017        | 0.057 | 0.098 | 0.139 | 0.179 | 0.220 | 0.260 | 0.301 | 0.341 | 0.382 | 0.422 | 0.463 | 0.503 | 0.544 | 0.584 | 0.625 | 0.666 | 0.706 | 0.747 | 0.787 | 0.828 |
| 55          | 0.025        | 0.065 | 0.105 | 0.145 | 0.186 | 0.226 | 0.266 | 0.306 | 0.346 | 0.386 | 0.426 | 0.467 | 0.507 | 0.547 | 0.587 | 0.627 | 0.667 | 0.707 | 0.747 | 0.788 | 0.828 |
| 60          | 0.036        | 0.076 | 0.115 | 0.155 | 0.195 | 0.234 | 0.274 | 0.313 | 0.353 | 0.392 | 0.432 | 0.472 | 0.511 | 0.551 | 0.590 | 0.630 | 0.669 | 0.709 | 0.749 | 0.788 | 0.828 |
| 65          | 0.051        | 0.090 | 0.129 | 0.168 | 0.206 | 0.245 | 0.284 | 0.323 | 0.362 | 0.401 | 0.439 | 0.478 | 0.517 | 0.556 | 0.595 | 0.634 | 0.672 | 0.711 | 0.750 | 0.789 | 0.828 |
| 70          | 0.071        | 0.109 | 0.147 | 0.184 | 0.222 | 0.260 | 0.298 | 0.336 | 0.374 | 0.412 | 0.449 | 0.487 | 0.525 | 0.563 | 0.601 | 0.639 | 0.676 | 0.714 | 0.752 | 0.790 | 0.828 |
| 75          | 0.098        | 0.134 | 0.171 | 0.207 | 0.244 | 0.280 | 0.317 | 0.353 | 0.390 | 0.426 | 0.463 | 0.499 | 0.536 | 0.572 | 0.609 | 0.645 | 0.682 | 0.718 | 0.755 | 0.791 | 0.828 |
| 80          | 0.135        | 0.170 | 0.204 | 0.239 | 0.274 | 0.308 | 0.343 | 0.378 | 0.412 | 0.447 | 0.481 | 0.516 | 0.551 | 0.585 | 0.620 | 0.655 | 0.689 | 0.724 | 0.758 | 0.793 | 0.828 |
| 85          | 0.190        | 0.221 | 0.253 | 0.285 | 0.317 | 0.349 | 0.381 | 0.413 | 0.445 | 0.477 | 0.509 | 0.541 | 0.572 | 0.604 | 0.636 | 0.668 | 0.700 | 0.732 | 0.764 | 0.796 | 0.828 |
| 90          | 0.277        | 0.304 | 0.332 | 0.359 | 0.387 | 0.415 | 0.442 | 0.470 | 0.497 | 0.525 | 0.552 | 0.580 | 0.607 | 0.635 | 0.662 | 0.690 | 0.718 | 0.745 | 0.773 | 0.800 | 0.828 |
| 95          | 0.441        | 0.460 | 0.480 | 0.499 | 0.518 | 0.538 | 0.557 | 0.576 | 0.596 | 0.615 | 0.634 | 0.654 | 0.673 | 0.692 | 0.712 | 0.731 | 0.750 | 0.770 | 0.789 | 0.808 | 0.828 |
| 98          | 0.622        | 0.633 | 0.643 | 0.653 | 0.664 | 0.674 | 0.684 | 0.694 | 0.705 | 0.715 | 0.725 | 0.735 | 0.746 | 0.756 | 0.766 | 0.776 | 0.787 | 0.797 | 0.807 | 0.817 | 0.828 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of July

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.041 | 0.081 | 0.122 | 0.162 | 0.202 | 0.243 | 0.283 | 0.323 | 0.364 | 0.404 | 0.445 | 0.485 | 0.525 | 0.566 | 0.606 | 0.647 | 0.687 | 0.727 | 0.768 | 0.808 |
| 35          | 0.001        | 0.041 | 0.082 | 0.122 | 0.163 | 0.203 | 0.243 | 0.284 | 0.324 | 0.364 | 0.405 | 0.445 | 0.485 | 0.526 | 0.566 | 0.606 | 0.647 | 0.687 | 0.727 | 0.768 | 0.808 |
| 40          | 0.003        | 0.043 | 0.083 | 0.123 | 0.164 | 0.204 | 0.244 | 0.285 | 0.325 | 0.365 | 0.405 | 0.446 | 0.486 | 0.526 | 0.566 | 0.607 | 0.647 | 0.687 | 0.728 | 0.768 | 0.808 |
| 45          | 0.005        | 0.045 | 0.085 | 0.126 | 0.166 | 0.206 | 0.246 | 0.286 | 0.326 | 0.367 | 0.407 | 0.447 | 0.487 | 0.527 | 0.567 | 0.607 | 0.648 | 0.688 | 0.728 | 0.768 | 0.808 |
| 50          | 0.009        | 0.049 | 0.089 | 0.129 | 0.169 | 0.209 | 0.249 | 0.289 | 0.329 | 0.369 | 0.409 | 0.449 | 0.489 | 0.528 | 0.568 | 0.608 | 0.648 | 0.688 | 0.728 | 0.768 | 0.808 |
| 55          | 0.015        | 0.055 | 0.094 | 0.134 | 0.174 | 0.213 | 0.253 | 0.293 | 0.332 | 0.372 | 0.412 | 0.451 | 0.491 | 0.530 | 0.570 | 0.610 | 0.649 | 0.689 | 0.729 | 0.768 | 0.808 |
| 60          | 0.023        | 0.062 | 0.101 | 0.140 | 0.180 | 0.219 | 0.258 | 0.298 | 0.337 | 0.376 | 0.415 | 0.455 | 0.494 | 0.533 | 0.572 | 0.612 | 0.651 | 0.690 | 0.730 | 0.769 | 0.808 |
| 65          | 0.033        | 0.072 | 0.110 | 0.149 | 0.188 | 0.227 | 0.265 | 0.304 | 0.343 | 0.382 | 0.420 | 0.459 | 0.498 | 0.537 | 0.576 | 0.614 | 0.653 | 0.692 | 0.731 | 0.769 | 0.808 |
| 70          | 0.047        | 0.085 | 0.123 | 0.161 | 0.199 | 0.237 | 0.275 | 0.313 | 0.351 | 0.389 | 0.428 | 0.466 | 0.504 | 0.542 | 0.580 | 0.618 | 0.656 | 0.694 | 0.732 | 0.770 | 0.808 |
| 75          | 0.066        | 0.103 | 0.141 | 0.178 | 0.215 | 0.252 | 0.289 | 0.326 | 0.363 | 0.400 | 0.437 | 0.474 | 0.511 | 0.548 | 0.586 | 0.623 | 0.660 | 0.697 | 0.734 | 0.771 | 0.808 |
| 80          | 0.095        | 0.130 | 0.166 | 0.202 | 0.237 | 0.273 | 0.309 | 0.344 | 0.380 | 0.416 | 0.451 | 0.487 | 0.523 | 0.558 | 0.594 | 0.630 | 0.665 | 0.701 | 0.737 | 0.772 | 0.808 |
| 85          | 0.138        | 0.172 | 0.205 | 0.239 | 0.272 | 0.306 | 0.339 | 0.373 | 0.406 | 0.440 | 0.473 | 0.507 | 0.540 | 0.574 | 0.607 | 0.641 | 0.674 | 0.708 | 0.741 | 0.775 | 0.808 |
| 90          | 0.213        | 0.243 | 0.272 | 0.302 | 0.332 | 0.362 | 0.392 | 0.421 | 0.451 | 0.481 | 0.511 | 0.540 | 0.570 | 0.600 | 0.630 | 0.659 | 0.689 | 0.719 | 0.749 | 0.778 | 0.808 |
| 95          | 0.370        | 0.392 | 0.414 | 0.436 | 0.458 | 0.480 | 0.502 | 0.523 | 0.545 | 0.567 | 0.589 | 0.611 | 0.633 | 0.655 | 0.677 | 0.699 | 0.720 | 0.742 | 0.764 | 0.786 | 0.808 |
| 98          | 0.570        | 0.581 | 0.593 | 0.605 | 0.617 | 0.629 | 0.641 | 0.653 | 0.665 | 0.677 | 0.689 | 0.701 | 0.713 | 0.725 | 0.737 | 0.748 | 0.760 | 0.772 | 0.784 | 0.796 | 0.808 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of August

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.002        | 0.042 | 0.083 | 0.123 | 0.164 | 0.205 | 0.245 | 0.286 | 0.327 | 0.367 | 0.408 | 0.448 | 0.489 | 0.530 | 0.570 | 0.611 | 0.651 | 0.692 | 0.733 | 0.773 | 0.814 |
| 35          | 0.003        | 0.044 | 0.084 | 0.125 | 0.165 | 0.206 | 0.246 | 0.287 | 0.328 | 0.368 | 0.409 | 0.449 | 0.490 | 0.530 | 0.571 | 0.611 | 0.652 | 0.692 | 0.733 | 0.773 | 0.814 |
| 40          | 0.006        | 0.047 | 0.087 | 0.127 | 0.168 | 0.208 | 0.249 | 0.289 | 0.329 | 0.370 | 0.410 | 0.450 | 0.491 | 0.531 | 0.572 | 0.612 | 0.652 | 0.693 | 0.733 | 0.773 | 0.814 |
| 45          | 0.011        | 0.051 | 0.091 | 0.131 | 0.172 | 0.212 | 0.252 | 0.292 | 0.332 | 0.372 | 0.412 | 0.453 | 0.493 | 0.533 | 0.573 | 0.613 | 0.653 | 0.693 | 0.734 | 0.774 | 0.814 |
| 50          | 0.018        | 0.057 | 0.097 | 0.137 | 0.177 | 0.217 | 0.256 | 0.296 | 0.336 | 0.376 | 0.416 | 0.456 | 0.495 | 0.535 | 0.575 | 0.615 | 0.655 | 0.694 | 0.734 | 0.774 | 0.814 |
| 55          | 0.026        | 0.065 | 0.105 | 0.144 | 0.184 | 0.223 | 0.262 | 0.302 | 0.341 | 0.381 | 0.420 | 0.459 | 0.499 | 0.538 | 0.578 | 0.617 | 0.656 | 0.696 | 0.735 | 0.774 | 0.814 |
| 60          | 0.037        | 0.076 | 0.114 | 0.153 | 0.192 | 0.231 | 0.270 | 0.309 | 0.348 | 0.386 | 0.425 | 0.464 | 0.503 | 0.542 | 0.581 | 0.620 | 0.658 | 0.697 | 0.736 | 0.775 | 0.814 |
| 65          | 0.050        | 0.088 | 0.126 | 0.165 | 0.203 | 0.241 | 0.279 | 0.317 | 0.356 | 0.394 | 0.432 | 0.470 | 0.508 | 0.547 | 0.585 | 0.623 | 0.661 | 0.699 | 0.737 | 0.776 | 0.814 |
| 70          | 0.067        | 0.104 | 0.142 | 0.179 | 0.216 | 0.254 | 0.291 | 0.328 | 0.366 | 0.403 | 0.440 | 0.478 | 0.515 | 0.552 | 0.590 | 0.627 | 0.664 | 0.702 | 0.739 | 0.777 | 0.814 |
| 75          | 0.089        | 0.125 | 0.162 | 0.198 | 0.234 | 0.270 | 0.307 | 0.343 | 0.379 | 0.415 | 0.451 | 0.488 | 0.524 | 0.560 | 0.596 | 0.633 | 0.669 | 0.705 | 0.741 | 0.778 | 0.814 |
| 80          | 0.120        | 0.155 | 0.190 | 0.224 | 0.259 | 0.294 | 0.328 | 0.363 | 0.398 | 0.432 | 0.467 | 0.502 | 0.536 | 0.571 | 0.606 | 0.641 | 0.675 | 0.710 | 0.745 | 0.779 | 0.814 |
| 85          | 0.168        | 0.200 | 0.232 | 0.265 | 0.297 | 0.329 | 0.362 | 0.394 | 0.426 | 0.459 | 0.491 | 0.523 | 0.555 | 0.588 | 0.620 | 0.652 | 0.685 | 0.717 | 0.749 | 0.782 | 0.814 |
| 90          | 0.248        | 0.276 | 0.304 | 0.333 | 0.361 | 0.389 | 0.418 | 0.446 | 0.474 | 0.502 | 0.531 | 0.559 | 0.587 | 0.616 | 0.644 | 0.672 | 0.701 | 0.729 | 0.757 | 0.786 | 0.814 |
| 95          | 0.407        | 0.427 | 0.448 | 0.468 | 0.488 | 0.509 | 0.529 | 0.549 | 0.570 | 0.590 | 0.610 | 0.631 | 0.651 | 0.671 | 0.692 | 0.712 | 0.733 | 0.753 | 0.773 | 0.794 | 0.814 |
| 98          | 0.595        | 0.606 | 0.617 | 0.628 | 0.639 | 0.650 | 0.660 | 0.671 | 0.682 | 0.693 | 0.704 | 0.715 | 0.726 | 0.737 | 0.748 | 0.759 | 0.770 | 0.781 | 0.792 | 0.803 | 0.814 |



Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of September

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.003        | 0.045 | 0.087 | 0.128 | 0.170 | 0.212 | 0.254 | 0.296 | 0.338 | 0.380 | 0.422 | 0.463 | 0.505 | 0.547 | 0.589 | 0.631 | 0.673 | 0.715 | 0.757 | 0.799 | 0.840 |
| 35          | 0.006        | 0.048 | 0.090 | 0.131 | 0.173 | 0.215 | 0.256 | 0.298 | 0.340 | 0.382 | 0.423 | 0.465 | 0.507 | 0.548 | 0.590 | 0.632 | 0.674 | 0.715 | 0.757 | 0.799 | 0.840 |
| 40          | 0.011        | 0.053 | 0.094 | 0.136 | 0.177 | 0.219 | 0.260 | 0.302 | 0.343 | 0.384 | 0.426 | 0.467 | 0.509 | 0.550 | 0.592 | 0.633 | 0.675 | 0.716 | 0.758 | 0.799 | 0.840 |
| 45          | 0.018        | 0.059 | 0.101 | 0.142 | 0.183 | 0.224 | 0.265 | 0.306 | 0.347 | 0.388 | 0.429 | 0.471 | 0.512 | 0.553 | 0.594 | 0.635 | 0.676 | 0.717 | 0.758 | 0.799 | 0.840 |
| 50          | 0.027        | 0.068 | 0.109 | 0.149 | 0.190 | 0.231 | 0.271 | 0.312 | 0.353 | 0.393 | 0.434 | 0.474 | 0.515 | 0.556 | 0.596 | 0.637 | 0.678 | 0.718 | 0.759 | 0.800 | 0.840 |
| 55          | 0.038        | 0.078 | 0.118 | 0.158 | 0.198 | 0.239 | 0.279 | 0.319 | 0.359 | 0.399 | 0.439 | 0.479 | 0.519 | 0.560 | 0.600 | 0.640 | 0.680 | 0.720 | 0.760 | 0.800 | 0.840 |
| 60          | 0.051        | 0.091 | 0.130 | 0.170 | 0.209 | 0.249 | 0.288 | 0.328 | 0.367 | 0.407 | 0.446 | 0.485 | 0.525 | 0.564 | 0.604 | 0.643 | 0.683 | 0.722 | 0.762 | 0.801 | 0.840 |
| 65          | 0.069        | 0.107 | 0.146 | 0.185 | 0.223 | 0.262 | 0.300 | 0.339 | 0.378 | 0.416 | 0.455 | 0.493 | 0.532 | 0.570 | 0.609 | 0.648 | 0.686 | 0.725 | 0.763 | 0.802 | 0.840 |
| 70          | 0.092        | 0.129 | 0.167 | 0.204 | 0.241 | 0.279 | 0.316 | 0.354 | 0.391 | 0.429 | 0.466 | 0.504 | 0.541 | 0.578 | 0.616 | 0.653 | 0.691 | 0.728 | 0.766 | 0.803 | 0.840 |
| 75          | 0.122        | 0.158 | 0.194 | 0.230 | 0.266 | 0.302 | 0.338 | 0.374 | 0.410 | 0.445 | 0.481 | 0.517 | 0.553 | 0.589 | 0.625 | 0.661 | 0.697 | 0.733 | 0.769 | 0.805 | 0.840 |
| 80          | 0.164        | 0.198 | 0.232 | 0.266 | 0.300 | 0.333 | 0.367 | 0.401 | 0.435 | 0.469 | 0.502 | 0.536 | 0.570 | 0.604 | 0.638 | 0.671 | 0.705 | 0.739 | 0.773 | 0.807 | 0.840 |
| 85          | 0.224        | 0.255 | 0.286 | 0.317 | 0.348 | 0.378 | 0.409 | 0.440 | 0.471 | 0.502 | 0.532 | 0.563 | 0.594 | 0.625 | 0.656 | 0.686 | 0.717 | 0.748 | 0.779 | 0.810 | 0.840 |
| 90          | 0.317        | 0.343 | 0.369 | 0.396 | 0.422 | 0.448 | 0.474 | 0.500 | 0.526 | 0.553 | 0.579 | 0.605 | 0.631 | 0.657 | 0.683 | 0.710 | 0.736 | 0.762 | 0.788 | 0.814 | 0.840 |
| 95          | 0.480        | 0.498 | 0.516 | 0.534 | 0.552 | 0.570 | 0.588 | 0.606 | 0.624 | 0.642 | 0.660 | 0.678 | 0.696 | 0.714 | 0.732 | 0.750 | 0.768 | 0.786 | 0.804 | 0.822 | 0.840 |
| 98          | 0.651        | 0.660 | 0.670 | 0.679 | 0.689 | 0.698 | 0.708 | 0.717 | 0.727 | 0.736 | 0.746 | 0.755 | 0.765 | 0.774 | 0.784 | 0.793 | 0.802 | 0.812 | 0.821 | 0.831 | 0.840 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of October

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.019        | 0.060 | 0.100 | 0.141 | 0.181 | 0.221 | 0.262 | 0.302 | 0.343 | 0.383 | 0.424 | 0.464 | 0.504 | 0.545 | 0.585 | 0.626 | 0.666 | 0.707 | 0.747 | 0.787 | 0.828 |
| 35          | 0.029        | 0.089 | 0.109 | 0.149 | 0.189 | 0.229 | 0.269 | 0.309 | 0.349 | 0.388 | 0.428 | 0.468 | 0.508 | 0.548 | 0.588 | 0.628 | 0.668 | 0.708 | 0.748 | 0.788 | 0.828 |
| 40          | 0.041        | 0.080 | 0.120 | 0.159 | 0.198 | 0.238 | 0.277 | 0.316 | 0.356 | 0.395 | 0.434 | 0.474 | 0.513 | 0.552 | 0.592 | 0.631 | 0.670 | 0.710 | 0.749 | 0.789 | 0.828 |
| 45          | 0.055        | 0.094 | 0.132 | 0.171 | 0.210 | 0.248 | 0.287 | 0.326 | 0.364 | 0.403 | 0.442 | 0.480 | 0.519 | 0.557 | 0.596 | 0.635 | 0.673 | 0.712 | 0.751 | 0.789 | 0.828 |
| 50          | 0.072        | 0.109 | 0.147 | 0.185 | 0.223 | 0.261 | 0.299 | 0.336 | 0.374 | 0.412 | 0.450 | 0.488 | 0.525 | 0.563 | 0.601 | 0.639 | 0.677 | 0.714 | 0.752 | 0.790 | 0.828 |
| 55          | 0.090        | 0.127 | 0.164 | 0.201 | 0.238 | 0.275 | 0.312 | 0.349 | 0.385 | 0.422 | 0.459 | 0.496 | 0.533 | 0.570 | 0.607 | 0.644 | 0.680 | 0.717 | 0.754 | 0.791 | 0.828 |
| 60          | 0.112        | 0.148 | 0.183 | 0.219 | 0.255 | 0.291 | 0.327 | 0.362 | 0.398 | 0.434 | 0.470 | 0.506 | 0.541 | 0.577 | 0.613 | 0.649 | 0.685 | 0.720 | 0.756 | 0.792 | 0.828 |
| 65          | 0.137        | 0.171 | 0.206 | 0.240 | 0.275 | 0.310 | 0.344 | 0.379 | 0.413 | 0.448 | 0.482 | 0.517 | 0.551 | 0.586 | 0.621 | 0.655 | 0.690 | 0.724 | 0.759 | 0.793 | 0.828 |
| 70          | 0.166        | 0.199 | 0.232 | 0.265 | 0.299 | 0.332 | 0.365 | 0.398 | 0.431 | 0.464 | 0.497 | 0.530 | 0.563 | 0.596 | 0.629 | 0.662 | 0.696 | 0.729 | 0.762 | 0.795 | 0.828 |
| 75          | 0.202        | 0.234 | 0.265 | 0.296 | 0.327 | 0.359 | 0.390 | 0.421 | 0.453 | 0.484 | 0.515 | 0.546 | 0.578 | 0.609 | 0.640 | 0.671 | 0.703 | 0.734 | 0.765 | 0.797 | 0.828 |
| 80          | 0.248        | 0.277 | 0.306 | 0.335 | 0.364 | 0.393 | 0.422 | 0.451 | 0.480 | 0.509 | 0.538 | 0.567 | 0.596 | 0.625 | 0.654 | 0.683 | 0.712 | 0.741 | 0.770 | 0.799 | 0.828 |
| 85          | 0.308        | 0.334 | 0.360 | 0.386 | 0.412 | 0.438 | 0.464 | 0.490 | 0.516 | 0.542 | 0.568 | 0.594 | 0.620 | 0.646 | 0.672 | 0.698 | 0.724 | 0.750 | 0.776 | 0.802 | 0.828 |
| 90          | 0.394        | 0.416 | 0.438 | 0.459 | 0.481 | 0.503 | 0.524 | 0.546 | 0.568 | 0.589 | 0.611 | 0.633 | 0.654 | 0.676 | 0.698 | 0.719 | 0.741 | 0.763 | 0.785 | 0.806 | 0.828 |
| 95          | 0.539        | 0.553 | 0.568 | 0.582 | 0.597 | 0.611 | 0.626 | 0.640 | 0.655 | 0.669 | 0.683 | 0.698 | 0.712 | 0.727 | 0.741 | 0.756 | 0.770 | 0.785 | 0.799 | 0.813 | 0.828 |
| 98          | 0.673        | 0.681 | 0.689 | 0.696 | 0.704 | 0.712 | 0.720 | 0.727 | 0.735 | 0.743 | 0.751 | 0.758 | 0.766 | 0.774 | 0.782 | 0.789 | 0.797 | 0.805 | 0.812 | 0.820 | 0.828 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of November

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.025        | 0.064 | 0.103 | 0.142 | 0.181 | 0.220 | 0.259 | 0.298 | 0.337 | 0.376 | 0.415 | 0.454 | 0.493 | 0.532 | 0.571 | 0.610 | 0.649 | 0.688 | 0.727 | 0.766 | 0.805 |
| 35          | 0.032        | 0.070 | 0.109 | 0.148 | 0.186 | 0.225 | 0.264 | 0.302 | 0.341 | 0.380 | 0.418 | 0.457 | 0.496 | 0.534 | 0.573 | 0.612 | 0.650 | 0.689 | 0.728 | 0.766 | 0.805 |
| 40          | 0.040        | 0.078 | 0.116 | 0.155 | 0.193 | 0.231 | 0.269 | 0.308 | 0.346 | 0.384 | 0.422 | 0.461 | 0.499 | 0.537 | 0.575 | 0.614 | 0.652 | 0.690 | 0.728 | 0.767 | 0.805 |
| 45          | 0.049        | 0.087 | 0.124 | 0.162 | 0.200 | 0.238 | 0.276 | 0.313 | 0.351 | 0.389 | 0.427 | 0.465 | 0.502 | 0.540 | 0.578 | 0.616 | 0.654 | 0.691 | 0.729 | 0.767 | 0.805 |
| 50          | 0.059        | 0.097 | 0.134 | 0.171 | 0.208 | 0.246 | 0.283 | 0.320 | 0.358 | 0.395 | 0.432 | 0.469 | 0.507 | 0.544 | 0.581 | 0.619 | 0.656 | 0.693 | 0.730 | 0.768 | 0.805 |
| 55          | 0.072        | 0.109 | 0.145 | 0.182 | 0.219 | 0.255 | 0.292 | 0.329 | 0.365 | 0.402 | 0.438 | 0.475 | 0.512 | 0.548 | 0.585 | 0.622 | 0.658 | 0.695 | 0.732 | 0.768 | 0.805 |
| 60          | 0.087        | 0.123 | 0.159 | 0.195 | 0.231 | 0.266 | 0.302 | 0.338 | 0.374 | 0.410 | 0.446 | 0.482 | 0.518 | 0.554 | 0.590 | 0.625 | 0.661 | 0.697 | 0.733 | 0.769 | 0.805 |
| 65          | 0.104        | 0.139 | 0.174 | 0.209 | 0.244 | 0.280 | 0.315 | 0.350 | 0.385 | 0.420 | 0.455 | 0.490 | 0.525 | 0.560 | 0.595 | 0.630 | 0.665 | 0.700 | 0.735 | 0.770 | 0.805 |
| 70          | 0.125        | 0.159 | 0.193 | 0.227 | 0.261 | 0.295 | 0.329 | 0.363 | 0.397 | 0.431 | 0.465 | 0.499 | 0.533 | 0.567 | 0.601 | 0.635 | 0.669 | 0.703 | 0.737 | 0.771 | 0.805 |
| 75          | 0.151        | 0.184 | 0.217 | 0.249 | 0.282 | 0.315 | 0.347 | 0.380 | 0.413 | 0.445 | 0.478 | 0.511 | 0.543 | 0.576 | 0.609 | 0.642 | 0.674 | 0.707 | 0.740 | 0.772 | 0.805 |
| 80          | 0.185        | 0.216 | 0.247 | 0.278 | 0.309 | 0.340 | 0.371 | 0.402 | 0.433 | 0.464 | 0.495 | 0.526 | 0.557 | 0.588 | 0.619 | 0.650 | 0.681 | 0.712 | 0.743 | 0.774 | 0.805 |
| 85          | 0.231        | 0.260 | 0.289 | 0.317 | 0.346 | 0.375 | 0.403 | 0.432 | 0.461 | 0.490 | 0.518 | 0.547 | 0.576 | 0.604 | 0.633 | 0.662 | 0.690 | 0.719 | 0.748 | 0.776 | 0.805 |
| 90          | 0.303        | 0.328 | 0.353 | 0.378 | 0.403 | 0.428 | 0.454 | 0.479 | 0.504 | 0.529 | 0.554 | 0.579 | 0.604 | 0.629 | 0.654 | 0.679 | 0.705 | 0.730 | 0.755 | 0.780 | 0.805 |
| 95          | 0.438        | 0.457 | 0.475 | 0.493 | 0.512 | 0.530 | 0.548 | 0.567 | 0.585 | 0.603 | 0.622 | 0.640 | 0.658 | 0.677 | 0.695 | 0.713 | 0.732 | 0.750 | 0.768 | 0.787 | 0.805 |
| 98          | 0.606        | 0.616 | 0.626 | 0.636 | 0.646 | 0.656 | 0.666 | 0.676 | 0.686 | 0.695 | 0.705 | 0.715 | 0.725 | 0.735 | 0.745 | 0.755 | 0.765 | 0.775 | 0.785 | 0.795 | 0.805 |

Runoff C Values for DAYTONA BEACH REG AP (2158) for the Month of December

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.001        | 0.041 | 0.080 | 0.119 | 0.159 | 0.198 | 0.237 | 0.277 | 0.316 | 0.355 | 0.395 | 0.434 | 0.473 | 0.513 | 0.552 | 0.591 | 0.631 | 0.670 | 0.709 | 0.749 | 0.788 |
| 35          | 0.003        | 0.043 | 0.082 | 0.121 | 0.160 | 0.200 | 0.239 | 0.278 | 0.317 | 0.357 | 0.396 | 0.435 | 0.474 | 0.513 | 0.553 | 0.592 | 0.631 | 0.670 | 0.710 | 0.749 | 0.788 |
| 40          | 0.006        | 0.045 | 0.084 | 0.123 | 0.162 | 0.202 | 0.241 | 0.280 | 0.319 | 0.358 | 0.397 | 0.436 | 0.475 | 0.514 | 0.553 | 0.593 | 0.632 | 0.671 | 0.710 | 0.749 | 0.788 |
| 45          | 0.009        | 0.048 | 0.087 | 0.126 | 0.165 | 0.204 | 0.243 | 0.282 | 0.321 | 0.360 | 0.399 | 0.438 | 0.477 | 0.516 | 0.554 | 0.593 | 0.632 | 0.671 | 0.710 | 0.749 | 0.788 |
| 50          | 0.014        | 0.052 | 0.091 | 0.130 | 0.169 | 0.207 | 0.246 | 0.285 | 0.323 | 0.362 | 0.401 | 0.440 | 0.478 | 0.517 | 0.556 | 0.594 | 0.633 | 0.672 | 0.711 | 0.749 | 0.788 |
| 55          | 0.019        | 0.058 | 0.096 | 0.135 | 0.173 | 0.212 | 0.250 | 0.288 | 0.327 | 0.365 | 0.404 | 0.442 | 0.481 | 0.519 | 0.557 | 0.596 | 0.634 | 0.673 | 0.711 | 0.750 | 0.788 |
| 60          | 0.027        | 0.065 | 0.103 | 0.141 | 0.179 | 0.217 | 0.255 | 0.293 | 0.331 | 0.369 | 0.407 | 0.446 | 0.484 | 0.522 | 0.560 | 0.598 | 0.636 | 0.674 | 0.712 | 0.750 | 0.788 |
| 65          | 0.037        | 0.075 | 0.112 | 0.150 | 0.187 | 0.225 | 0.262 | 0.300 | 0.337 | 0.375 | 0.413 | 0.450 | 0.488 | 0.525 | 0.563 | 0.600 | 0.638 | 0.675 | 0.713 | 0.750 | 0.788 |
| 70          | 0.051        | 0.088 | 0.125 | 0.162 | 0.199 | 0.235 | 0.272 | 0.309 | 0.346 | 0.383 | 0.420 | 0.456 | 0.493 | 0.530 | 0.567 | 0.604 | 0.641 | 0.677 | 0.714 | 0.751 | 0.788 |
| 75          | 0.071        | 0.107 | 0.143 | 0.179 | 0.214 | 0.250 | 0.286 | 0.322 | 0.358 | 0.394 | 0.430 | 0.465 | 0.501 | 0.537 | 0.573 | 0.609 | 0.645 | 0.680 | 0.716 | 0.752 | 0.788 |
| 80          | 0.100        | 0.134 | 0.169 | 0.203 | 0.237 | 0.272 | 0.306 | 0.341 | 0.375 | 0.409 | 0.444 | 0.478 | 0.513 | 0.547 | 0.582 | 0.616 | 0.650 | 0.685 | 0.719 | 0.754 | 0.788 |
| 85          | 0.144        | 0.176 | 0.209 | 0.241 | 0.273 | 0.305 | 0.337 | 0.370 | 0.402 | 0.434 | 0.466 | 0.498 | 0.531 | 0.563 | 0.595 | 0.627 | 0.659 | 0.691 | 0.724 | 0.756 | 0.788 |
| 90          | 0.220        | 0.249 | 0.277 | 0.305 | 0.334 | 0.362 | 0.391 | 0.419 | 0.447 | 0.476 | 0.504 | 0.533 | 0.561 | 0.589 | 0.618 | 0.646 | 0.674 | 0.703 | 0.731 | 0.760 | 0.788 |
| 95          | 0.374        | 0.395 | 0.416 | 0.436 | 0.457 | 0.478 | 0.499 | 0.519 | 0.540 | 0.561 | 0.581 | 0.602 | 0.623 | 0.643 | 0.664 | 0.685 | 0.705 | 0.726 | 0.747 | 0.767 | 0.788 |
| 98          | 0.566        | 0.578 | 0.589 | 0.600 | 0.611 | 0.622 | 0.633 | 0.644 | 0.655 | 0.666 | 0.677 | 0.688 | 0.699 | 0.710 | 0.722 | 0.733 | 0.744 | 0.755 | 0.766 | 0.777 | 0.788 |

## **B.2 Melbourne**

### Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of January

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.038 | 0.075 | 0.113 | 0.150 | 0.188 | 0.225 | 0.263 | 0.301 | 0.338 | 0.376 | 0.413 | 0.451 | 0.488 | 0.526 | 0.564 | 0.601 | 0.639 | 0.676 | 0.714 | 0.752 |
| 35          | 0.000        | 0.038 | 0.075 | 0.113 | 0.150 | 0.188 | 0.225 | 0.263 | 0.301 | 0.338 | 0.376 | 0.413 | 0.451 | 0.488 | 0.526 | 0.564 | 0.601 | 0.639 | 0.676 | 0.714 | 0.752 |
| 40          | 0.000        | 0.038 | 0.075 | 0.113 | 0.150 | 0.188 | 0.226 | 0.263 | 0.301 | 0.338 | 0.376 | 0.413 | 0.451 | 0.489 | 0.526 | 0.564 | 0.601 | 0.639 | 0.676 | 0.714 | 0.752 |
| 45          | 0.001        | 0.038 | 0.076 | 0.113 | 0.151 | 0.188 | 0.226 | 0.264 | 0.301 | 0.339 | 0.376 | 0.414 | 0.451 | 0.489 | 0.526 | 0.564 | 0.601 | 0.639 | 0.676 | 0.714 | 0.752 |
| 50          | 0.002        | 0.040 | 0.077 | 0.114 | 0.152 | 0.189 | 0.227 | 0.264 | 0.302 | 0.339 | 0.377 | 0.414 | 0.452 | 0.489 | 0.527 | 0.564 | 0.602 | 0.639 | 0.677 | 0.714 | 0.752 |
| 55          | 0.005        | 0.042 | 0.079 | 0.117 | 0.154 | 0.191 | 0.229 | 0.266 | 0.303 | 0.341 | 0.378 | 0.415 | 0.453 | 0.490 | 0.527 | 0.565 | 0.602 | 0.639 | 0.677 | 0.714 | 0.752 |
| 60          | 0.009        | 0.047 | 0.084 | 0.121 | 0.158 | 0.195 | 0.232 | 0.269 | 0.306 | 0.343 | 0.380 | 0.418 | 0.455 | 0.492 | 0.529 | 0.566 | 0.603 | 0.640 | 0.677 | 0.714 | 0.752 |
| 65          | 0.018        | 0.055 | 0.092 | 0.128 | 0.165 | 0.202 | 0.238 | 0.275 | 0.312 | 0.348 | 0.385 | 0.422 | 0.458 | 0.495 | 0.532 | 0.568 | 0.605 | 0.642 | 0.678 | 0.715 | 0.752 |
| 70          | 0.032        | 0.068 | 0.104 | 0.140 | 0.176 | 0.212 | 0.248 | 0.284 | 0.320 | 0.356 | 0.392 | 0.428 | 0.464 | 0.500 | 0.536 | 0.572 | 0.608 | 0.644 | 0.680 | 0.716 | 0.752 |
| 75          | 0.051        | 0.086 | 0.121 | 0.156 | 0.191 | 0.226 | 0.261 | 0.296 | 0.331 | 0.366 | 0.401 | 0.436 | 0.471 | 0.506 | 0.541 | 0.576 | 0.611 | 0.646 | 0.681 | 0.716 | 0.752 |
| 80          | 0.080        | 0.113 | 0.147 | 0.180 | 0.214 | 0.248 | 0.281 | 0.315 | 0.348 | 0.382 | 0.416 | 0.449 | 0.483 | 0.516 | 0.550 | 0.584 | 0.617 | 0.651 | 0.684 | 0.718 | 0.752 |
| 85          | 0.123        | 0.155 | 0.186 | 0.218 | 0.249 | 0.280 | 0.312 | 0.343 | 0.375 | 0.406 | 0.437 | 0.469 | 0.500 | 0.532 | 0.563 | 0.595 | 0.626 | 0.657 | 0.689 | 0.720 | 0.752 |
| 90          | 0.197        | 0.225 | 0.253 | 0.281 | 0.308 | 0.336 | 0.364 | 0.391 | 0.419 | 0.447 | 0.474 | 0.502 | 0.530 | 0.558 | 0.585 | 0.613 | 0.641 | 0.668 | 0.696 | 0.724 | 0.752 |
| 95          | 0.345        | 0.365 | 0.385 | 0.406 | 0.426 | 0.446 | 0.467 | 0.487 | 0.507 | 0.528 | 0.548 | 0.568 | 0.589 | 0.609 | 0.629 | 0.650 | 0.670 | 0.690 | 0.711 | 0.731 | 0.752 |
| 98          | 0.534        | 0.545 | 0.556 | 0.566 | 0.577 | 0.588 | 0.599 | 0.610 | 0.621 | 0.632 | 0.643 | 0.654 | 0.664 | 0.675 | 0.686 | 0.697 | 0.708 | 0.719 | 0.730 | 0.741 | 0.752 |

### Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of February

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.080 | 0.120 | 0.160 | 0.199 | 0.239 | 0.279 | 0.319 | 0.359 | 0.399 | 0.439 | 0.479 | 0.518 | 0.558 | 0.598 | 0.638 | 0.678 | 0.718 | 0.758 | 0.798 |
| 35          | 0.000        | 0.040 | 0.080 | 0.120 | 0.160 | 0.200 | 0.240 | 0.279 | 0.319 | 0.359 | 0.399 | 0.439 | 0.479 | 0.519 | 0.558 | 0.598 | 0.638 | 0.678 | 0.718 | 0.758 | 0.798 |
| 40          | 0.001        | 0.041 | 0.081 | 0.121 | 0.160 | 0.200 | 0.240 | 0.280 | 0.320 | 0.360 | 0.399 | 0.439 | 0.479 | 0.519 | 0.559 | 0.599 | 0.638 | 0.678 | 0.718 | 0.758 | 0.798 |
| 45          | 0.003        | 0.042 | 0.082 | 0.122 | 0.162 | 0.201 | 0.241 | 0.281 | 0.321 | 0.360 | 0.400 | 0.440 | 0.480 | 0.519 | 0.559 | 0.599 | 0.639 | 0.678 | 0.718 | 0.758 | 0.798 |
| 50          | 0.004        | 0.044 | 0.084 | 0.123 | 0.163 | 0.203 | 0.242 | 0.282 | 0.322 | 0.361 | 0.401 | 0.441 | 0.480 | 0.520 | 0.560 | 0.599 | 0.639 | 0.679 | 0.718 | 0.758 | 0.798 |
| 55          | 0.007        | 0.047 | 0.086 | 0.126 | 0.165 | 0.205 | 0.244 | 0.284 | 0.323 | 0.363 | 0.402 | 0.442 | 0.481 | 0.521 | 0.560 | 0.600 | 0.640 | 0.679 | 0.719 | 0.758 | 0.798 |
| 60          | 0.012        | 0.051 | 0.090 | 0.129 | 0.169 | 0.208 | 0.247 | 0.287 | 0.326 | 0.365 | 0.405 | 0.444 | 0.483 | 0.522 | 0.562 | 0.601 | 0.640 | 0.680 | 0.719 | 0.758 | 0.798 |
| 65          | 0.019        | 0.058 | 0.096 | 0.135 | 0.174 | 0.213 | 0.252 | 0.291 | 0.330 | 0.369 | 0.408 | 0.447 | 0.486 | 0.525 | 0.564 | 0.603 | 0.642 | 0.681 | 0.720 | 0.759 | 0.798 |
| 70          | 0.029        | 0.068 | 0.106 | 0.145 | 0.183 | 0.222 | 0.260 | 0.298 | 0.337 | 0.375 | 0.414 | 0.452 | 0.490 | 0.529 | 0.567 | 0.606 | 0.644 | 0.682 | 0.721 | 0.759 | 0.798 |
| 75          | 0.046        | 0.084 | 0.121 | 0.159 | 0.197 | 0.234 | 0.272 | 0.309 | 0.347 | 0.384 | 0.422 | 0.460 | 0.497 | 0.535 | 0.572 | 0.610 | 0.647 | 0.685 | 0.722 | 0.760 | 0.798 |
| 80          | 0.074        | 0.110 | 0.146 | 0.182 | 0.218 | 0.255 | 0.291 | 0.327 | 0.363 | 0.399 | 0.436 | 0.472 | 0.508 | 0.544 | 0.580 | 0.617 | 0.653 | 0.689 | 0.725 | 0.761 | 0.798 |
| 85          | 0.119        | 0.153 | 0.187 | 0.221 | 0.255 | 0.289 | 0.323 | 0.357 | 0.391 | 0.425 | 0.459 | 0.492 | 0.526 | 0.560 | 0.594 | 0.628 | 0.662 | 0.696 | 0.730 | 0.764 | 0.798 |
| 90          | 0.201        | 0.231 | 0.261 | 0.291 | 0.320 | 0.350 | 0.380 | 0.410 | 0.440 | 0.470 | 0.499 | 0.529 | 0.559 | 0.589 | 0.619 | 0.648 | 0.678 | 0.708 | 0.738 | 0.768 | 0.798 |
| 95          | 0.370        | 0.392 | 0.413 | 0.434 | 0.456 | 0.477 | 0.498 | 0.520 | 0.541 | 0.563 | 0.584 | 0.605 | 0.627 | 0.648 | 0.669 | 0.691 | 0.712 | 0.734 | 0.755 | 0.776 | 0.798 |
| 98          | 0.582        | 0.592 | 0.603 | 0.614 | 0.625 | 0.636 | 0.646 | 0.657 | 0.668 | 0.679 | 0.690 | 0.700 | 0.711 | 0.722 | 0.733 | 0.744 | 0.754 | 0.765 | 0.776 | 0.787 | 0.798 |

Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of March

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.081 | 0.121 | 0.162 | 0.202 | 0.243 | 0.283 | 0.324 | 0.364 | 0.405 | 0.445 | 0.486 | 0.526 | 0.567 | 0.607 | 0.648 | 0.688 | 0.729 | 0.769 | 0.810 |
| 35          | 0.000        | 0.041 | 0.081 | 0.121 | 0.162 | 0.202 | 0.243 | 0.283 | 0.324 | 0.364 | 0.405 | 0.445 | 0.486 | 0.526 | 0.567 | 0.607 | 0.648 | 0.688 | 0.729 | 0.769 | 0.810 |
| 40          | 0.000        | 0.041 | 0.081 | 0.122 | 0.162 | 0.203 | 0.243 | 0.284 | 0.324 | 0.365 | 0.405 | 0.445 | 0.486 | 0.526 | 0.567 | 0.607 | 0.648 | 0.688 | 0.729 | 0.769 | 0.810 |
| 45          | 0.001        | 0.041 | 0.082 | 0.122 | 0.163 | 0.203 | 0.243 | 0.284 | 0.324 | 0.365 | 0.405 | 0.446 | 0.486 | 0.527 | 0.567 | 0.608 | 0.648 | 0.688 | 0.729 | 0.769 | 0.810 |
| 50          | 0.002        | 0.042 | 0.082 | 0.123 | 0.163 | 0.204 | 0.244 | 0.284 | 0.325 | 0.365 | 0.406 | 0.446 | 0.486 | 0.527 | 0.567 | 0.608 | 0.648 | 0.689 | 0.729 | 0.769 | 0.810 |
| 55          | 0.003        | 0.043 | 0.084 | 0.124 | 0.164 | 0.205 | 0.245 | 0.285 | 0.326 | 0.366 | 0.406 | 0.447 | 0.487 | 0.527 | 0.568 | 0.608 | 0.648 | 0.689 | 0.729 | 0.769 | 0.810 |
| 60          | 0.005        | 0.045 | 0.086 | 0.126 | 0.166 | 0.206 | 0.247 | 0.287 | 0.327 | 0.367 | 0.408 | 0.448 | 0.488 | 0.528 | 0.568 | 0.609 | 0.649 | 0.689 | 0.729 | 0.770 | 0.810 |
| 65          | 0.009        | 0.049 | 0.089 | 0.129 | 0.169 | 0.209 | 0.249 | 0.289 | 0.329 | 0.369 | 0.409 | 0.449 | 0.489 | 0.529 | 0.570 | 0.610 | 0.650 | 0.690 | 0.730 | 0.770 | 0.810 |
| 70          | 0.015        | 0.054 | 0.094 | 0.134 | 0.174 | 0.213 | 0.253 | 0.293 | 0.333 | 0.372 | 0.412 | 0.452 | 0.492 | 0.531 | 0.571 | 0.611 | 0.651 | 0.691 | 0.730 | 0.770 | 0.810 |
| 75          | 0.025        | 0.064 | 0.104 | 0.143 | 0.182 | 0.221 | 0.261 | 0.300 | 0.339 | 0.378 | 0.417 | 0.457 | 0.496 | 0.535 | 0.574 | 0.614 | 0.653 | 0.692 | 0.731 | 0.771 | 0.810 |
| 80          | 0.045        | 0.083 | 0.122 | 0.160 | 0.198 | 0.236 | 0.275 | 0.313 | 0.351 | 0.389 | 0.427 | 0.466 | 0.504 | 0.542 | 0.580 | 0.619 | 0.657 | 0.695 | 0.733 | 0.772 | 0.810 |
| 85          | 0.085        | 0.121 | 0.157 | 0.193 | 0.230 | 0.266 | 0.302 | 0.338 | 0.375 | 0.411 | 0.447 | 0.484 | 0.520 | 0.556 | 0.592 | 0.629 | 0.665 | 0.701 | 0.737 | 0.774 | 0.810 |
| 90          | 0.165        | 0.197 | 0.229 | 0.261 | 0.294 | 0.326 | 0.358 | 0.390 | 0.423 | 0.455 | 0.487 | 0.519 | 0.552 | 0.584 | 0.616 | 0.648 | 0.681 | 0.713 | 0.745 | 0.778 | 0.810 |
| 95          | 0.340        | 0.364 | 0.387 | 0.410 | 0.434 | 0.457 | 0.481 | 0.504 | 0.528 | 0.551 | 0.575 | 0.598 | 0.622 | 0.645 | 0.669 | 0.692 | 0.716 | 0.739 | 0.763 | 0.786 | 0.810 |
| 98          | 0.568        | 0.580 | 0.592 | 0.604 | 0.616 | 0.628 | 0.640 | 0.652 | 0.665 | 0.677 | 0.689 | 0.701 | 0.713 | 0.725 | 0.737 | 0.749 | 0.761 | 0.773 | 0.786 | 0.798 | 0.810 |

Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of April

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.079 | 0.119 | 0.159 | 0.198 | 0.238 | 0.278 | 0.317 | 0.357 | 0.397 | 0.437 | 0.476 | 0.516 | 0.556 | 0.595 | 0.635 | 0.675 | 0.714 | 0.754 | 0.794 |
| 35          | 0.000        | 0.040 | 0.080 | 0.119 | 0.159 | 0.199 | 0.238 | 0.278 | 0.318 | 0.357 | 0.397 | 0.437 | 0.476 | 0.516 | 0.556 | 0.595 | 0.635 | 0.675 | 0.714 | 0.754 | 0.794 |
| 40          | 0.001        | 0.041 | 0.080 | 0.120 | 0.160 | 0.199 | 0.239 | 0.279 | 0.318 | 0.358 | 0.397 | 0.437 | 0.477 | 0.516 | 0.556 | 0.596 | 0.635 | 0.675 | 0.714 | 0.754 | 0.794 |
| 45          | 0.002        | 0.042 | 0.081 | 0.121 | 0.160 | 0.200 | 0.240 | 0.279 | 0.319 | 0.358 | 0.398 | 0.438 | 0.477 | 0.517 | 0.556 | 0.596 | 0.635 | 0.675 | 0.715 | 0.754 | 0.794 |
| 50          | 0.004        | 0.043 | 0.083 | 0.122 | 0.162 | 0.201 | 0.241 | 0.280 | 0.320 | 0.359 | 0.399 | 0.438 | 0.478 | 0.517 | 0.557 | 0.596 | 0.636 | 0.675 | 0.715 | 0.754 | 0.794 |
| 55          | 0.006        | 0.046 | 0.085 | 0.125 | 0.164 | 0.203 | 0.243 | 0.282 | 0.321 | 0.361 | 0.400 | 0.439 | 0.479 | 0.518 | 0.558 | 0.597 | 0.636 | 0.676 | 0.715 | 0.754 | 0.794 |
| 60          | 0.010        | 0.050 | 0.089 | 0.128 | 0.167 | 0.206 | 0.245 | 0.285 | 0.324 | 0.363 | 0.402 | 0.441 | 0.480 | 0.520 | 0.559 | 0.598 | 0.637 | 0.676 | 0.715 | 0.755 | 0.794 |
| 65          | 0.016        | 0.055 | 0.094 | 0.133 | 0.172 | 0.211 | 0.249 | 0.288 | 0.327 | 0.366 | 0.405 | 0.444 | 0.483 | 0.522 | 0.560 | 0.599 | 0.638 | 0.677 | 0.716 | 0.755 | 0.794 |
| 70          | 0.024        | 0.063 | 0.101 | 0.140 | 0.178 | 0.217 | 0.255 | 0.294 | 0.332 | 0.371 | 0.409 | 0.447 | 0.486 | 0.524 | 0.563 | 0.601 | 0.640 | 0.678 | 0.717 | 0.755 | 0.794 |
| 75          | 0.037        | 0.074 | 0.112 | 0.150 | 0.188 | 0.226 | 0.264 | 0.302 | 0.339 | 0.377 | 0.415 | 0.453 | 0.491 | 0.529 | 0.567 | 0.604 | 0.642 | 0.680 | 0.718 | 0.756 | 0.794 |
| 80          | 0.056        | 0.093 | 0.130 | 0.166 | 0.203 | 0.240 | 0.277 | 0.314 | 0.351 | 0.388 | 0.425 | 0.462 | 0.498 | 0.535 | 0.572 | 0.609 | 0.646 | 0.683 | 0.720 | 0.757 | 0.794 |
| 85          | 0.088        | 0.123 | 0.159 | 0.194 | 0.229 | 0.265 | 0.300 | 0.335 | 0.370 | 0.406 | 0.441 | 0.476 | 0.511 | 0.547 | 0.582 | 0.617 | 0.653 | 0.688 | 0.723 | 0.758 | 0.794 |
| 90          | 0.153        | 0.185 | 0.217 | 0.249 | 0.281 | 0.313 | 0.345 | 0.377 | 0.409 | 0.441 | 0.473 | 0.505 | 0.537 | 0.569 | 0.601 | 0.633 | 0.666 | 0.698 | 0.730 | 0.762 | 0.794 |
| 95          | 0.305        | 0.329 | 0.354 | 0.378 | 0.403 | 0.427 | 0.452 | 0.476 | 0.500 | 0.525 | 0.549 | 0.574 | 0.598 | 0.623 | 0.647 | 0.671 | 0.696 | 0.720 | 0.745 | 0.769 | 0.794 |
| 98          | 0.525        | 0.539 | 0.552 | 0.565 | 0.579 | 0.592 | 0.606 | 0.619 | 0.633 | 0.646 | 0.659 | 0.673 | 0.686 | 0.700 | 0.713 | 0.727 | 0.740 | 0.753 | 0.767 | 0.780 | 0.794 |

Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of May

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.080 | 0.119 | 0.159 | 0.199 | 0.239 | 0.279 | 0.319 | 0.358 | 0.398 | 0.438 | 0.478 | 0.518 | 0.558 | 0.597 | 0.637 | 0.677 | 0.717 | 0.757 | 0.796 |
| 35          | 0.000        | 0.040 | 0.080 | 0.120 | 0.159 | 0.199 | 0.239 | 0.279 | 0.319 | 0.358 | 0.398 | 0.438 | 0.478 | 0.518 | 0.558 | 0.597 | 0.637 | 0.677 | 0.717 | 0.757 | 0.796 |
| 40          | 0.000        | 0.040 | 0.080 | 0.120 | 0.160 | 0.199 | 0.239 | 0.279 | 0.319 | 0.359 | 0.398 | 0.438 | 0.478 | 0.518 | 0.558 | 0.597 | 0.637 | 0.677 | 0.717 | 0.757 | 0.796 |
| 45          | 0.001        | 0.041 | 0.081 | 0.120 | 0.160 | 0.200 | 0.240 | 0.279 | 0.319 | 0.359 | 0.399 | 0.438 | 0.478 | 0.518 | 0.558 | 0.598 | 0.637 | 0.677 | 0.717 | 0.757 | 0.796 |
| 50          | 0.002        | 0.042 | 0.082 | 0.121 | 0.161 | 0.201 | 0.240 | 0.280 | 0.320 | 0.360 | 0.399 | 0.439 | 0.479 | 0.518 | 0.558 | 0.598 | 0.638 | 0.677 | 0.717 | 0.757 | 0.796 |
| 55          | 0.005        | 0.045 | 0.084 | 0.124 | 0.163 | 0.203 | 0.242 | 0.282 | 0.322 | 0.361 | 0.401 | 0.440 | 0.480 | 0.519 | 0.559 | 0.599 | 0.638 | 0.678 | 0.717 | 0.757 | 0.796 |
| 60          | 0.010        | 0.049 | 0.088 | 0.128 | 0.167 | 0.206 | 0.246 | 0.285 | 0.324 | 0.364 | 0.403 | 0.442 | 0.482 | 0.521 | 0.560 | 0.600 | 0.639 | 0.678 | 0.718 | 0.757 | 0.796 |
| 65          | 0.017        | 0.056 | 0.095 | 0.134 | 0.173 | 0.212 | 0.251 | 0.290 | 0.329 | 0.368 | 0.407 | 0.446 | 0.485 | 0.524 | 0.563 | 0.602 | 0.641 | 0.679 | 0.718 | 0.757 | 0.796 |
| 70          | 0.027        | 0.066 | 0.104 | 0.143 | 0.181 | 0.220 | 0.258 | 0.297 | 0.335 | 0.373 | 0.412 | 0.450 | 0.489 | 0.527 | 0.566 | 0.604 | 0.643 | 0.681 | 0.720 | 0.758 | 0.796 |
| 75          | 0.044        | 0.082 | 0.119 | 0.157 | 0.194 | 0.232 | 0.270 | 0.307 | 0.345 | 0.383 | 0.420 | 0.458 | 0.495 | 0.533 | 0.571 | 0.608 | 0.646 | 0.684 | 0.721 | 0.759 | 0.796 |
| 80          | 0.070        | 0.107 | 0.143 | 0.179 | 0.216 | 0.252 | 0.288 | 0.325 | 0.361 | 0.397 | 0.433 | 0.470 | 0.506 | 0.542 | 0.579 | 0.615 | 0.651 | 0.688 | 0.724 | 0.760 | 0.796 |
| 85          | 0.114        | 0.148 | 0.182 | 0.216 | 0.251 | 0.285 | 0.319 | 0.353 | 0.387 | 0.421 | 0.455 | 0.489 | 0.523 | 0.558 | 0.592 | 0.626 | 0.660 | 0.694 | 0.728 | 0.762 | 0.796 |
| 90          | 0.190        | 0.221 | 0.251 | 0.281 | 0.312 | 0.342 | 0.372 | 0.402 | 0.433 | 0.463 | 0.493 | 0.524 | 0.554 | 0.584 | 0.615 | 0.645 | 0.675 | 0.706 | 0.736 | 0.766 | 0.796 |
| 95          | 0.348        | 0.370 | 0.393 | 0.415 | 0.438 | 0.460 | 0.482 | 0.505 | 0.527 | 0.550 | 0.572 | 0.595 | 0.617 | 0.639 | 0.662 | 0.684 | 0.707 | 0.729 | 0.752 | 0.774 | 0.796 |
| 98          | 0.553        | 0.565 | 0.577 | 0.590 | 0.602 | 0.614 | 0.626 | 0.638 | 0.650 | 0.663 | 0.675 | 0.687 | 0.699 | 0.711 | 0.723 | 0.736 | 0.748 | 0.760 | 0.772 | 0.784 | 0.796 |

Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of June

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.001        | 0.041 | 0.081 | 0.121 | 0.161 | 0.201 | 0.241 | 0.281 | 0.321 | 0.361 | 0.401 | 0.441 | 0.481 | 0.522 | 0.562 | 0.602 | 0.642 | 0.682 | 0.722 | 0.762 | 0.802 |
| 35          | 0.002        | 0.042 | 0.082 | 0.122 | 0.162 | 0.202 | 0.242 | 0.282 | 0.322 | 0.362 | 0.402 | 0.442 | 0.482 | 0.522 | 0.562 | 0.602 | 0.642 | 0.682 | 0.722 | 0.762 | 0.802 |
| 40          | 0.004        | 0.043 | 0.083 | 0.123 | 0.163 | 0.203 | 0.243 | 0.283 | 0.323 | 0.363 | 0.403 | 0.442 | 0.482 | 0.522 | 0.562 | 0.602 | 0.642 | 0.682 | 0.722 | 0.762 | 0.802 |
| 45          | 0.006        | 0.046 | 0.085 | 0.125 | 0.165 | 0.205 | 0.245 | 0.284 | 0.324 | 0.364 | 0.404 | 0.444 | 0.483 | 0.523 | 0.563 | 0.603 | 0.643 | 0.682 | 0.722 | 0.762 | 0.802 |
| 50          | 0.010        | 0.050 | 0.089 | 0.129 | 0.168 | 0.208 | 0.248 | 0.287 | 0.327 | 0.366 | 0.406 | 0.445 | 0.485 | 0.525 | 0.564 | 0.604 | 0.643 | 0.683 | 0.723 | 0.762 | 0.802 |
| 55          | 0.017        | 0.056 | 0.095 | 0.134 | 0.174 | 0.213 | 0.252 | 0.291 | 0.331 | 0.370 | 0.409 | 0.448 | 0.488 | 0.527 | 0.566 | 0.605 | 0.645 | 0.684 | 0.723 | 0.762 | 0.802 |
| 60          | 0.026        | 0.065 | 0.104 | 0.142 | 0.181 | 0.220 | 0.259 | 0.298 | 0.336 | 0.375 | 0.414 | 0.453 | 0.491 | 0.530 | 0.569 | 0.608 | 0.647 | 0.685 | 0.724 | 0.763 | 0.802 |
| 65          | 0.039        | 0.077 | 0.115 | 0.153 | 0.192 | 0.230 | 0.268 | 0.306 | 0.344 | 0.382 | 0.420 | 0.458 | 0.497 | 0.535 | 0.573 | 0.611 | 0.649 | 0.687 | 0.725 | 0.764 | 0.802 |
| 70          | 0.056        | 0.094 | 0.131 | 0.168 | 0.205 | 0.243 | 0.280 | 0.317 | 0.355 | 0.392 | 0.429 | 0.466 | 0.504 | 0.541 | 0.578 | 0.615 | 0.653 | 0.690 | 0.727 | 0.764 | 0.802 |
| 75          | 0.080        | 0.117 | 0.153 | 0.189 | 0.225 | 0.261 | 0.297 | 0.333 | 0.369 | 0.405 | 0.441 | 0.477 | 0.513 | 0.549 | 0.585 | 0.621 | 0.657 | 0.693 | 0.730 | 0.766 | 0.802 |
| 80          | 0.115        | 0.149 | 0.184 | 0.218 | 0.252 | 0.287 | 0.321 | 0.355 | 0.390 | 0.424 | 0.458 | 0.493 | 0.527 | 0.561 | 0.596 | 0.630 | 0.664 | 0.699 | 0.733 | 0.767 | 0.802 |
| 85          | 0.167        | 0.199 | 0.231 | 0.262 | 0.294 | 0.326 | 0.357 | 0.389 | 0.421 | 0.453 | 0.484 | 0.516 | 0.548 | 0.580 | 0.611 | 0.643 | 0.675 | 0.706 | 0.738 | 0.770 | 0.802 |
| 90          | 0.253        | 0.280 | 0.308 | 0.335 | 0.363 | 0.390 | 0.417 | 0.445 | 0.472 | 0.500 | 0.527 | 0.555 | 0.582 | 0.610 | 0.637 | 0.664 | 0.692 | 0.719 | 0.747 | 0.774 | 0.802 |
| 95          | 0.416        | 0.435 | 0.454 | 0.474 | 0.493 | 0.512 | 0.532 | 0.551 | 0.570 | 0.589 | 0.609 | 0.628 | 0.647 | 0.667 | 0.686 | 0.705 | 0.725 | 0.744 | 0.763 | 0.782 | 0.802 |
| 98          | 0.595        | 0.605 | 0.615 | 0.626 | 0.636 | 0.647 | 0.657 | 0.667 | 0.678 | 0.688 | 0.698 | 0.709 | 0.719 | 0.729 | 0.740 | 0.750 | 0.760 | 0.771 | 0.781 | 0.791 | 0.802 |

Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of July

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.079 | 0.119 | 0.159 | 0.198 | 0.238 | 0.277 | 0.317 | 0.357 | 0.396 | 0.436 | 0.475 | 0.515 | 0.554 | 0.594 | 0.634 | 0.673 | 0.713 | 0.752 | 0.792 |
| 35          | 0.001        | 0.041 | 0.080 | 0.120 | 0.159 | 0.199 | 0.238 | 0.278 | 0.317 | 0.357 | 0.397 | 0.436 | 0.476 | 0.515 | 0.555 | 0.594 | 0.634 | 0.673 | 0.713 | 0.752 | 0.792 |
| 40          | 0.003        | 0.042 | 0.082 | 0.121 | 0.161 | 0.200 | 0.240 | 0.279 | 0.318 | 0.358 | 0.397 | 0.437 | 0.476 | 0.516 | 0.555 | 0.595 | 0.634 | 0.674 | 0.713 | 0.752 | 0.792 |
| 45          | 0.005        | 0.045 | 0.084 | 0.123 | 0.163 | 0.202 | 0.241 | 0.281 | 0.320 | 0.359 | 0.399 | 0.438 | 0.477 | 0.517 | 0.556 | 0.595 | 0.635 | 0.674 | 0.713 | 0.753 | 0.792 |
| 50          | 0.009        | 0.048 | 0.087 | 0.127 | 0.166 | 0.205 | 0.244 | 0.283 | 0.322 | 0.361 | 0.401 | 0.440 | 0.479 | 0.518 | 0.557 | 0.596 | 0.635 | 0.674 | 0.714 | 0.753 | 0.792 |
| 55          | 0.014        | 0.053 | 0.092 | 0.131 | 0.170 | 0.208 | 0.247 | 0.286 | 0.325 | 0.364 | 0.403 | 0.442 | 0.481 | 0.520 | 0.559 | 0.597 | 0.636 | 0.675 | 0.714 | 0.753 | 0.792 |
| 60          | 0.020        | 0.059 | 0.097 | 0.136 | 0.174 | 0.213 | 0.252 | 0.290 | 0.329 | 0.367 | 0.406 | 0.445 | 0.483 | 0.522 | 0.560 | 0.599 | 0.638 | 0.676 | 0.715 | 0.753 | 0.792 |
| 65          | 0.028        | 0.067 | 0.105 | 0.143 | 0.181 | 0.219 | 0.258 | 0.296 | 0.334 | 0.372 | 0.410 | 0.448 | 0.487 | 0.525 | 0.563 | 0.601 | 0.639 | 0.677 | 0.716 | 0.754 | 0.792 |
| 70          | 0.040        | 0.077 | 0.115 | 0.153 | 0.190 | 0.228 | 0.265 | 0.303 | 0.341 | 0.378 | 0.416 | 0.453 | 0.491 | 0.529 | 0.566 | 0.604 | 0.641 | 0.679 | 0.717 | 0.754 | 0.792 |
| 75          | 0.056        | 0.093 | 0.130 | 0.167 | 0.203 | 0.240 | 0.277 | 0.314 | 0.351 | 0.387 | 0.424 | 0.461 | 0.498 | 0.534 | 0.571 | 0.608 | 0.645 | 0.682 | 0.718 | 0.755 | 0.792 |
| 80          | 0.081        | 0.117 | 0.152 | 0.188 | 0.223 | 0.259 | 0.294 | 0.330 | 0.365 | 0.401 | 0.436 | 0.472 | 0.508 | 0.543 | 0.579 | 0.614 | 0.650 | 0.685 | 0.721 | 0.756 | 0.792 |
| 85          | 0.122        | 0.156 | 0.189 | 0.223 | 0.256 | 0.290 | 0.323 | 0.357 | 0.390 | 0.424 | 0.457 | 0.491 | 0.524 | 0.558 | 0.591 | 0.625 | 0.658 | 0.691 | 0.725 | 0.758 | 0.792 |
| 90          | 0.200        | 0.229 | 0.259 | 0.289 | 0.318 | 0.348 | 0.377 | 0.407 | 0.437 | 0.466 | 0.496 | 0.525 | 0.555 | 0.585 | 0.614 | 0.644 | 0.673 | 0.703 | 0.733 | 0.762 | 0.792 |
| 95          | 0.365        | 0.386 | 0.408 | 0.429 | 0.450 | 0.472 | 0.493 | 0.514 | 0.536 | 0.557 | 0.578 | 0.600 | 0.621 | 0.642 | 0.664 | 0.685 | 0.706 | 0.728 | 0.749 | 0.771 | 0.792 |
| 98          | 0.565        | 0.577 | 0.588 | 0.599 | 0.611 | 0.622 | 0.633 | 0.645 | 0.656 | 0.667 | 0.679 | 0.690 | 0.701 | 0.713 | 0.724 | 0.735 | 0.747 | 0.758 | 0.769 | 0.781 | 0.792 |

Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of August

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.039 | 0.079 | 0.118 | 0.157 | 0.196 | 0.236 | 0.275 | 0.314 | 0.353 | 0.393 | 0.432 | 0.471 | 0.510 | 0.550 | 0.589 | 0.628 | 0.667 | 0.707 | 0.746 | 0.785 |
| 35          | 0.000        | 0.040 | 0.079 | 0.118 | 0.157 | 0.197 | 0.236 | 0.275 | 0.314 | 0.354 | 0.393 | 0.432 | 0.471 | 0.510 | 0.550 | 0.589 | 0.628 | 0.667 | 0.707 | 0.746 | 0.785 |
| 40          | 0.001        | 0.040 | 0.080 | 0.119 | 0.158 | 0.197 | 0.236 | 0.276 | 0.315 | 0.354 | 0.393 | 0.432 | 0.472 | 0.511 | 0.550 | 0.589 | 0.628 | 0.667 | 0.707 | 0.746 | 0.785 |
| 45          | 0.003        | 0.042 | 0.081 | 0.120 | 0.159 | 0.198 | 0.237 | 0.277 | 0.316 | 0.355 | 0.394 | 0.433 | 0.472 | 0.511 | 0.550 | 0.589 | 0.629 | 0.668 | 0.707 | 0.746 | 0.785 |
| 50          | 0.006        | 0.045 | 0.084 | 0.123 | 0.162 | 0.201 | 0.239 | 0.278 | 0.317 | 0.356 | 0.395 | 0.434 | 0.473 | 0.512 | 0.551 | 0.590 | 0.629 | 0.668 | 0.707 | 0.746 | 0.785 |
| 55          | 0.010        | 0.049 | 0.088 | 0.126 | 0.165 | 0.204 | 0.243 | 0.281 | 0.320 | 0.359 | 0.398 | 0.436 | 0.475 | 0.514 | 0.553 | 0.591 | 0.630 | 0.669 | 0.708 | 0.746 | 0.785 |
| 60          | 0.016        | 0.055 | 0.093 | 0.132 | 0.170 | 0.209 | 0.247 | 0.285 | 0.324 | 0.362 | 0.401 | 0.439 | 0.478 | 0.516 | 0.554 | 0.593 | 0.631 | 0.670 | 0.708 | 0.747 | 0.785 |
| 65          | 0.025        | 0.063 | 0.101 | 0.139 | 0.177 | 0.215 | 0.253 | 0.291 | 0.329 | 0.367 | 0.405 | 0.443 | 0.481 | 0.519 | 0.557 | 0.595 | 0.633 | 0.671 | 0.709 | 0.747 | 0.785 |
| 70          | 0.037        | 0.075 | 0.112 | 0.150 | 0.187 | 0.224 | 0.262 | 0.299 | 0.336 | 0.374 | 0.411 | 0.449 | 0.486 | 0.523 | 0.561 | 0.598 | 0.635 | 0.673 | 0.710 | 0.748 | 0.785 |
| 75          | 0.055        | 0.092 | 0.128 | 0.165 | 0.201 | 0.238 | 0.274 | 0.311 | 0.347 | 0.384 | 0.420 | 0.457 | 0.493 | 0.530 | 0.566 | 0.603 | 0.639 | 0.676 | 0.712 | 0.749 | 0.785 |
| 80          | 0.082        | 0.117 | 0.152 | 0.187 | 0.223 | 0.258 | 0.293 | 0.328 | 0.363 | 0.398 | 0.434 | 0.469 | 0.504 | 0.539 | 0.574 | 0.609 | 0.644 | 0.680 | 0.715 | 0.750 | 0.785 |
| 85          | 0.125        | 0.158 | 0.191 | 0.224 | 0.257 | 0.290 | 0.323 | 0.356 | 0.389 | 0.422 | 0.455 | 0.488 | 0.521 | 0.554 | 0.587 | 0.620 | 0.653 | 0.686 | 0.719 | 0.752 | 0.785 |
| 90          | 0.202        | 0.231 | 0.260 | 0.289 | 0.319 | 0.348 | 0.377 | 0.406 | 0.435 | 0.464 | 0.493 | 0.523 | 0.552 | 0.581 | 0.610 | 0.639 | 0.668 | 0.698 | 0.727 | 0.756 | 0.785 |
| 95          | 0.361        | 0.382 | 0.404 | 0.425 | 0.446 | 0.467 | 0.488 | 0.510 | 0.531 | 0.552 | 0.573 | 0.594 | 0.616 | 0.637 | 0.658 | 0.679 | 0.700 | 0.721 | 0.743 | 0.764 | 0.785 |
| 98          | 0.556        | 0.568 | 0.579 | 0.591 | 0.602 | 0.614 | 0.625 | 0.636 | 0.648 | 0.659 | 0.671 | 0.682 | 0.694 | 0.705 | 0.716 | 0.728 | 0.739 | 0.751 | 0.762 | 0.774 | 0.785 |



### Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of September

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.010        | 0.051 | 0.092 | 0.132 | 0.173 | 0.214 | 0.255 | 0.296 | 0.336 | 0.377 | 0.418 | 0.459 | 0.500 | 0.540 | 0.581 | 0.622 | 0.663 | 0.704 | 0.744 | 0.785 | 0.826 |
| 35          | 0.016        | 0.056 | 0.097 | 0.137 | 0.178 | 0.218 | 0.259 | 0.299 | 0.340 | 0.380 | 0.421 | 0.461 | 0.502 | 0.542 | 0.583 | 0.623 | 0.664 | 0.704 | 0.745 | 0.785 | 0.826 |
| 40          | 0.022        | 0.063 | 0.103 | 0.143 | 0.183 | 0.223 | 0.263 | 0.304 | 0.344 | 0.384 | 0.424 | 0.464 | 0.505 | 0.545 | 0.585 | 0.625 | 0.665 | 0.705 | 0.746 | 0.786 | 0.826 |
| 45          | 0.031        | 0.070 | 0.110 | 0.150 | 0.190 | 0.229 | 0.269 | 0.309 | 0.349 | 0.388 | 0.428 | 0.468 | 0.508 | 0.548 | 0.587 | 0.627 | 0.667 | 0.707 | 0.746 | 0.786 | 0.826 |
| 50          | 0.040        | 0.079 | 0.119 | 0.158 | 0.197 | 0.237 | 0.276 | 0.315 | 0.354 | 0.394 | 0.433 | 0.472 | 0.512 | 0.551 | 0.590 | 0.629 | 0.669 | 0.708 | 0.747 | 0.787 | 0.826 |
| 55          | 0.051        | 0.090 | 0.129 | 0.167 | 0.206 | 0.245 | 0.284 | 0.322 | 0.361 | 0.400 | 0.439 | 0.477 | 0.516 | 0.555 | 0.593 | 0.632 | 0.671 | 0.710 | 0.748 | 0.787 | 0.826 |
| 60          | 0.065        | 0.103 | 0.141 | 0.179 | 0.217 | 0.255 | 0.293 | 0.331 | 0.369 | 0.407 | 0.445 | 0.483 | 0.521 | 0.560 | 0.598 | 0.636 | 0.674 | 0.712 | 0.750 | 0.788 | 0.826 |
| 65          | 0.082        | 0.119 | 0.156 | 0.193 | 0.230 | 0.268 | 0.305 | 0.342 | 0.379 | 0.417 | 0.454 | 0.491 | 0.528 | 0.565 | 0.603 | 0.640 | 0.677 | 0.714 | 0.751 | 0.789 | 0.826 |
| 70          | 0.103        | 0.139 | 0.175 | 0.211 | 0.247 | 0.284 | 0.320 | 0.356 | 0.392 | 0.428 | 0.464 | 0.501 | 0.537 | 0.573 | 0.609 | 0.645 | 0.681 | 0.717 | 0.754 | 0.790 | 0.826 |
| 75          | 0.130        | 0.165 | 0.200 | 0.235 | 0.270 | 0.304 | 0.339 | 0.374 | 0.409 | 0.443 | 0.478 | 0.513 | 0.548 | 0.582 | 0.617 | 0.652 | 0.687 | 0.722 | 0.756 | 0.791 | 0.826 |
| 80          | 0.168        | 0.201 | 0.234 | 0.267 | 0.300 | 0.333 | 0.366 | 0.398 | 0.431 | 0.464 | 0.497 | 0.530 | 0.563 | 0.596 | 0.629 | 0.661 | 0.694 | 0.727 | 0.760 | 0.793 | 0.826 |
| 85          | 0.223        | 0.253 | 0.283 | 0.313 | 0.344 | 0.374 | 0.404 | 0.434 | 0.464 | 0.494 | 0.524 | 0.555 | 0.585 | 0.615 | 0.645 | 0.675 | 0.705 | 0.735 | 0.766 | 0.796 | 0.826 |
| 90          | 0.308        | 0.334 | 0.359 | 0.385 | 0.411 | 0.437 | 0.463 | 0.489 | 0.515 | 0.541 | 0.567 | 0.593 | 0.619 | 0.645 | 0.670 | 0.696 | 0.722 | 0.748 | 0.774 | 0.800 | 0.826 |
| 95          | 0.462        | 0.480 | 0.498 | 0.517 | 0.535 | 0.553 | 0.571 | 0.589 | 0.608 | 0.626 | 0.644 | 0.662 | 0.680 | 0.699 | 0.717 | 0.735 | 0.753 | 0.771 | 0.790 | 0.808 | 0.826 |
| 98          | 0.635        | 0.644 | 0.654 | 0.663 | 0.673 | 0.682 | 0.692 | 0.702 | 0.711 | 0.721 | 0.730 | 0.740 | 0.749 | 0.759 | 0.769 | 0.778 | 0.788 | 0.797 | 0.807 | 0.816 | 0.826 |

### Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of October

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.009        | 0.049 | 0.088 | 0.128 | 0.167 | 0.207 | 0.246 | 0.286 | 0.325 | 0.365 | 0.404 | 0.444 | 0.483 | 0.523 | 0.562 | 0.602 | 0.641 | 0.681 | 0.720 | 0.760 | 0.799 |
| 35          | 0.015        | 0.054 | 0.093 | 0.133 | 0.172 | 0.211 | 0.250 | 0.289 | 0.329 | 0.368 | 0.407 | 0.446 | 0.485 | 0.525 | 0.564 | 0.603 | 0.642 | 0.682 | 0.721 | 0.760 | 0.799 |
| 40          | 0.023        | 0.061 | 0.100 | 0.139 | 0.178 | 0.217 | 0.256 | 0.294 | 0.333 | 0.372 | 0.411 | 0.450 | 0.488 | 0.527 | 0.566 | 0.605 | 0.644 | 0.683 | 0.721 | 0.760 | 0.799 |
| 45          | 0.032        | 0.071 | 0.109 | 0.147 | 0.186 | 0.224 | 0.262 | 0.301 | 0.339 | 0.377 | 0.416 | 0.454 | 0.492 | 0.531 | 0.569 | 0.607 | 0.646 | 0.684 | 0.722 | 0.761 | 0.799 |
| 50          | 0.045        | 0.082 | 0.120 | 0.158 | 0.196 | 0.233 | 0.271 | 0.309 | 0.346 | 0.384 | 0.422 | 0.460 | 0.497 | 0.535 | 0.573 | 0.611 | 0.648 | 0.686 | 0.724 | 0.761 | 0.799 |
| 55          | 0.060        | 0.097 | 0.134 | 0.171 | 0.208 | 0.245 | 0.282 | 0.319 | 0.356 | 0.393 | 0.430 | 0.466 | 0.503 | 0.540 | 0.577 | 0.614 | 0.651 | 0.688 | 0.725 | 0.762 | 0.799 |
| 60          | 0.079        | 0.115 | 0.151 | 0.187 | 0.223 | 0.259 | 0.295 | 0.331 | 0.367 | 0.403 | 0.439 | 0.475 | 0.511 | 0.547 | 0.583 | 0.619 | 0.655 | 0.691 | 0.727 | 0.763 | 0.799 |
| 65          | 0.102        | 0.137 | 0.172 | 0.206 | 0.241 | 0.276 | 0.311 | 0.346 | 0.381 | 0.416 | 0.451 | 0.485 | 0.520 | 0.555 | 0.590 | 0.625 | 0.660 | 0.695 | 0.729 | 0.764 | 0.799 |
| 70          | 0.131        | 0.165 | 0.198 | 0.231 | 0.265 | 0.298 | 0.332 | 0.365 | 0.398 | 0.432 | 0.465 | 0.499 | 0.532 | 0.565 | 0.599 | 0.632 | 0.666 | 0.699 | 0.732 | 0.766 | 0.799 |
| 75          | 0.168        | 0.200 | 0.231 | 0.263 | 0.294 | 0.326 | 0.357 | 0.389 | 0.420 | 0.452 | 0.484 | 0.515 | 0.547 | 0.578 | 0.610 | 0.641 | 0.673 | 0.704 | 0.736 | 0.768 | 0.799 |
| 80          | 0.216        | 0.245 | 0.274 | 0.303 | 0.332 | 0.362 | 0.391 | 0.420 | 0.449 | 0.478 | 0.507 | 0.537 | 0.566 | 0.595 | 0.624 | 0.653 | 0.682 | 0.712 | 0.741 | 0.770 | 0.799 |
| 85          | 0.280        | 0.306 | 0.332 | 0.358 | 0.384 | 0.410 | 0.436 | 0.462 | 0.488 | 0.514 | 0.540 | 0.566 | 0.591 | 0.617 | 0.643 | 0.669 | 0.695 | 0.721 | 0.747 | 0.773 | 0.799 |
| 90          | 0.373        | 0.394 | 0.415 | 0.437 | 0.458 | 0.479 | 0.501 | 0.522 | 0.543 | 0.565 | 0.586 | 0.607 | 0.629 | 0.650 | 0.671 | 0.692 | 0.714 | 0.735 | 0.756 | 0.778 | 0.799 |
| 95          | 0.525        | 0.538 | 0.552 | 0.566 | 0.580 | 0.593 | 0.607 | 0.621 | 0.635 | 0.648 | 0.662 | 0.676 | 0.689 | 0.703 | 0.717 | 0.731 | 0.744 | 0.758 | 0.772 | 0.785 | 0.799 |
| 98          | 0.654        | 0.662 | 0.669 | 0.676 | 0.683 | 0.691 | 0.698 | 0.705 | 0.712 | 0.720 | 0.727 | 0.734 | 0.741 | 0.748 | 0.756 | 0.763 | 0.770 | 0.777 | 0.785 | 0.792 | 0.799 |



Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of November

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.008        | 0.048 | 0.087 | 0.126 | 0.166 | 0.205 | 0.244 | 0.283 | 0.323 | 0.362 | 0.401 | 0.440 | 0.480 | 0.519 | 0.558 | 0.598 | 0.637 | 0.676 | 0.715 | 0.755 | 0.794 |
| 35          | 0.014        | 0.053 | 0.092 | 0.131 | 0.170 | 0.209 | 0.248 | 0.287 | 0.326 | 0.365 | 0.404 | 0.443 | 0.482 | 0.521 | 0.560 | 0.599 | 0.638 | 0.677 | 0.716 | 0.755 | 0.794 |
| 40          | 0.022        | 0.061 | 0.099 | 0.138 | 0.176 | 0.215 | 0.254 | 0.292 | 0.331 | 0.369 | 0.408 | 0.447 | 0.485 | 0.524 | 0.562 | 0.601 | 0.640 | 0.678 | 0.717 | 0.755 | 0.794 |
| 45          | 0.031        | 0.069 | 0.107 | 0.145 | 0.183 | 0.222 | 0.260 | 0.298 | 0.336 | 0.374 | 0.412 | 0.451 | 0.489 | 0.527 | 0.565 | 0.603 | 0.641 | 0.679 | 0.718 | 0.756 | 0.794 |
| 50          | 0.041        | 0.078 | 0.116 | 0.154 | 0.191 | 0.229 | 0.267 | 0.304 | 0.342 | 0.380 | 0.417 | 0.455 | 0.493 | 0.530 | 0.568 | 0.606 | 0.643 | 0.681 | 0.719 | 0.756 | 0.794 |
| 55          | 0.052        | 0.089 | 0.126 | 0.163 | 0.200 | 0.238 | 0.275 | 0.312 | 0.349 | 0.386 | 0.423 | 0.460 | 0.497 | 0.534 | 0.571 | 0.608 | 0.646 | 0.683 | 0.720 | 0.757 | 0.794 |
| 60          | 0.066        | 0.102 | 0.139 | 0.175 | 0.211 | 0.248 | 0.284 | 0.321 | 0.357 | 0.393 | 0.430 | 0.466 | 0.503 | 0.539 | 0.575 | 0.612 | 0.648 | 0.685 | 0.721 | 0.758 | 0.794 |
| 65          | 0.083        | 0.118 | 0.154 | 0.189 | 0.225 | 0.261 | 0.296 | 0.332 | 0.367 | 0.403 | 0.438 | 0.474 | 0.509 | 0.545 | 0.581 | 0.616 | 0.652 | 0.687 | 0.723 | 0.758 | 0.794 |
| 70          | 0.104        | 0.138 | 0.173 | 0.207 | 0.242 | 0.276 | 0.311 | 0.345 | 0.380 | 0.414 | 0.449 | 0.483 | 0.518 | 0.552 | 0.587 | 0.621 | 0.656 | 0.690 | 0.725 | 0.759 | 0.794 |
| 75          | 0.129        | 0.163 | 0.196 | 0.229 | 0.262 | 0.295 | 0.329 | 0.362 | 0.395 | 0.428 | 0.462 | 0.495 | 0.528 | 0.561 | 0.595 | 0.628 | 0.661 | 0.694 | 0.727 | 0.761 | 0.794 |
| 80          | 0.164        | 0.195 | 0.227 | 0.258 | 0.290 | 0.321 | 0.353 | 0.384 | 0.416 | 0.447 | 0.479 | 0.510 | 0.542 | 0.573 | 0.605 | 0.636 | 0.668 | 0.699 | 0.731 | 0.762 | 0.794 |
| 85          | 0.213        | 0.242 | 0.271 | 0.300 | 0.329 | 0.358 | 0.387 | 0.416 | 0.445 | 0.474 | 0.503 | 0.532 | 0.561 | 0.590 | 0.620 | 0.649 | 0.678 | 0.707 | 0.736 | 0.765 | 0.794 |
| 90          | 0.288        | 0.313 | 0.338 | 0.364 | 0.389 | 0.414 | 0.440 | 0.465 | 0.490 | 0.516 | 0.541 | 0.566 | 0.591 | 0.617 | 0.642 | 0.667 | 0.693 | 0.718 | 0.743 | 0.769 | 0.794 |
| 95          | 0.429        | 0.447 | 0.466 | 0.484 | 0.502 | 0.520 | 0.539 | 0.557 | 0.575 | 0.593 | 0.612 | 0.630 | 0.648 | 0.666 | 0.684 | 0.703 | 0.721 | 0.739 | 0.757 | 0.776 | 0.794 |
| 98          | 0.603        | 0.613 | 0.622 | 0.632 | 0.641 | 0.651 | 0.660 | 0.670 | 0.679 | 0.689 | 0.699 | 0.708 | 0.718 | 0.727 | 0.737 | 0.746 | 0.756 | 0.765 | 0.775 | 0.784 | 0.794 |

Runoff C Values for MELBOURNE REGIONL AP (5612) for the Month of December

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.002        | 0.039 | 0.076 | 0.113 | 0.150 | 0.187 | 0.224 | 0.261 | 0.298 | 0.335 | 0.372 | 0.409 | 0.446 | 0.482 | 0.519 | 0.556 | 0.593 | 0.630 | 0.667 | 0.704 | 0.741 |
| 35          | 0.005        | 0.042 | 0.079 | 0.116 | 0.153 | 0.189 | 0.226 | 0.263 | 0.300 | 0.336 | 0.373 | 0.410 | 0.447 | 0.484 | 0.520 | 0.557 | 0.594 | 0.631 | 0.667 | 0.704 | 0.741 |
| 40          | 0.009        | 0.046 | 0.082 | 0.119 | 0.156 | 0.192 | 0.229 | 0.265 | 0.302 | 0.339 | 0.375 | 0.412 | 0.448 | 0.485 | 0.521 | 0.558 | 0.595 | 0.631 | 0.668 | 0.704 | 0.741 |
| 45          | 0.014        | 0.050 | 0.086 | 0.123 | 0.159 | 0.196 | 0.232 | 0.268 | 0.305 | 0.341 | 0.377 | 0.414 | 0.450 | 0.486 | 0.523 | 0.559 | 0.596 | 0.632 | 0.668 | 0.705 | 0.741 |
| 50          | 0.019        | 0.055 | 0.091 | 0.127 | 0.163 | 0.199 | 0.235 | 0.272 | 0.308 | 0.344 | 0.380 | 0.416 | 0.452 | 0.488 | 0.524 | 0.560 | 0.597 | 0.633 | 0.669 | 0.705 | 0.741 |
| 55          | 0.024        | 0.060 | 0.096 | 0.132 | 0.168 | 0.204 | 0.239 | 0.275 | 0.311 | 0.347 | 0.383 | 0.419 | 0.454 | 0.490 | 0.526 | 0.562 | 0.598 | 0.633 | 0.669 | 0.705 | 0.741 |
| 60          | 0.031        | 0.066 | 0.102 | 0.137 | 0.173 | 0.208 | 0.244 | 0.279 | 0.315 | 0.350 | 0.386 | 0.421 | 0.457 | 0.492 | 0.528 | 0.563 | 0.599 | 0.634 | 0.670 | 0.705 | 0.741 |
| 65          | 0.039        | 0.074 | 0.109 | 0.144 | 0.180 | 0.215 | 0.250 | 0.285 | 0.320 | 0.355 | 0.390 | 0.425 | 0.460 | 0.495 | 0.530 | 0.566 | 0.601 | 0.636 | 0.671 | 0.706 | 0.741 |
| 70          | 0.051        | 0.085 | 0.120 | 0.154 | 0.189 | 0.223 | 0.258 | 0.292 | 0.327 | 0.361 | 0.396 | 0.430 | 0.465 | 0.499 | 0.534 | 0.568 | 0.603 | 0.637 | 0.672 | 0.706 | 0.741 |
| 75          | 0.067        | 0.101 | 0.134 | 0.168 | 0.202 | 0.235 | 0.269 | 0.303 | 0.337 | 0.370 | 0.404 | 0.438 | 0.471 | 0.505 | 0.539 | 0.572 | 0.606 | 0.640 | 0.674 | 0.707 | 0.741 |
| 80          | 0.090        | 0.122 | 0.155 | 0.188 | 0.220 | 0.253 | 0.285 | 0.318 | 0.350 | 0.383 | 0.415 | 0.448 | 0.481 | 0.513 | 0.546 | 0.578 | 0.611 | 0.643 | 0.676 | 0.708 | 0.741 |
| 85          | 0.126        | 0.157 | 0.188 | 0.219 | 0.249 | 0.280 | 0.311 | 0.341 | 0.372 | 0.403 | 0.434 | 0.464 | 0.495 | 0.526 | 0.557 | 0.587 | 0.618 | 0.649 | 0.680 | 0.710 | 0.741 |
| 90          | 0.192        | 0.220 | 0.247 | 0.275 | 0.302 | 0.329 | 0.357 | 0.384 | 0.412 | 0.439 | 0.467 | 0.494 | 0.521 | 0.549 | 0.576 | 0.604 | 0.631 | 0.659 | 0.686 | 0.714 | 0.741 |
| 95          | 0.334        | 0.354 | 0.374 | 0.395 | 0.415 | 0.435 | 0.456 | 0.476 | 0.497 | 0.517 | 0.537 | 0.558 | 0.578 | 0.598 | 0.619 | 0.639 | 0.659 | 0.680 | 0.700 | 0.721 | 0.741 |
| 98          | 0.522        | 0.533 | 0.544 | 0.555 | 0.566 | 0.577 | 0.588 | 0.599 | 0.610 | 0.621 | 0.632 | 0.643 | 0.654 | 0.664 | 0.675 | 0.686 | 0.697 | 0.708 | 0.719 | 0.730 | 0.741 |

### **B.3 Vero Beach**

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of January

| NDC/A<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.039 | 0.077 | 0.116 | 0.155 | 0.193 | 0.232 | 0.271 | 0.309 | 0.348 | 0.387 | 0.425 | 0.464 | 0.503 | 0.541 | 0.580 | 0.619 | 0.657 | 0.696 | 0.735 | 0.773 |
| 35          | 0.000        | 0.039 | 0.077 | 0.116 | 0.155 | 0.193 | 0.232 | 0.271 | 0.309 | 0.348 | 0.387 | 0.425 | 0.464 | 0.503 | 0.541 | 0.580 | 0.619 | 0.657 | 0.696 | 0.735 | 0.773 |
| 40          | 0.001        | 0.039 | 0.078 | 0.117 | 0.155 | 0.194 | 0.233 | 0.271 | 0.310 | 0.348 | 0.387 | 0.426 | 0.464 | 0.503 | 0.542 | 0.580 | 0.619 | 0.657 | 0.696 | 0.735 | 0.773 |
| 45          | 0.003        | 0.042 | 0.080 | 0.119 | 0.157 | 0.196 | 0.234 | 0.273 | 0.311 | 0.350 | 0.388 | 0.427 | 0.465 | 0.504 | 0.542 | 0.581 | 0.619 | 0.658 | 0.696 | 0.735 | 0.773 |
| 50          | 0.008        | 0.046 | 0.084 | 0.123 | 0.161 | 0.199 | 0.238 | 0.276 | 0.314 | 0.352 | 0.391 | 0.429 | 0.467 | 0.505 | 0.544 | 0.582 | 0.620 | 0.659 | 0.697 | 0.735 | 0.773 |
| 55          | 0.015        | 0.053 | 0.090 | 0.128 | 0.166 | 0.204 | 0.242 | 0.280 | 0.318 | 0.356 | 0.394 | 0.432 | 0.470 | 0.508 | 0.546 | 0.584 | 0.622 | 0.660 | 0.697 | 0.735 | 0.773 |
| 60          | 0.024        | 0.061 | 0.099 | 0.136 | 0.173 | 0.211 | 0.248 | 0.286 | 0.323 | 0.361 | 0.398 | 0.436 | 0.473 | 0.511 | 0.548 | 0.586 | 0.623 | 0.661 | 0.698 | 0.736 | 0.773 |
| 65          | 0.035        | 0.072 | 0.109 | 0.146 | 0.183 | 0.220 | 0.256 | 0.293 | 0.330 | 0.367 | 0.404 | 0.441 | 0.478 | 0.515 | 0.552 | 0.589 | 0.626 | 0.663 | 0.700 | 0.736 | 0.773 |
| 70          | 0.050        | 0.086 | 0.123 | 0.159 | 0.195 | 0.231 | 0.267 | 0.303 | 0.339 | 0.376 | 0.412 | 0.448 | 0.484 | 0.520 | 0.556 | 0.593 | 0.629 | 0.665 | 0.701 | 0.737 | 0.773 |
| 75          | 0.071        | 0.106 | 0.141 | 0.177 | 0.212 | 0.247 | 0.282 | 0.317 | 0.352 | 0.387 | 0.422 | 0.457 | 0.493 | 0.528 | 0.563 | 0.598 | 0.633 | 0.668 | 0.703 | 0.738 | 0.773 |
| 80          | 0.101        | 0.135 | 0.168 | 0.202 | 0.235 | 0.269 | 0.303 | 0.336 | 0.370 | 0.404 | 0.437 | 0.471 | 0.504 | 0.538 | 0.572 | 0.605 | 0.639 | 0.672 | 0.706 | 0.740 | 0.773 |
| 85          | 0.146        | 0.177 | 0.209 | 0.240 | 0.271 | 0.303 | 0.334 | 0.366 | 0.397 | 0.428 | 0.460 | 0.491 | 0.522 | 0.554 | 0.585 | 0.617 | 0.648 | 0.679 | 0.711 | 0.742 | 0.773 |
| 90          | 0.222        | 0.249 | 0.277 | 0.304 | 0.332 | 0.360 | 0.387 | 0.415 | 0.442 | 0.470 | 0.498 | 0.525 | 0.553 | 0.580 | 0.608 | 0.635 | 0.663 | 0.691 | 0.718 | 0.746 | 0.773 |
| 95          | 0.373        | 0.393 | 0.413 | 0.433 | 0.453 | 0.473 | 0.493 | 0.513 | 0.533 | 0.553 | 0.573 | 0.593 | 0.613 | 0.633 | 0.653 | 0.673 | 0.693 | 0.713 | 0.733 | 0.753 | 0.773 |
| 98          | 0.559        | 0.570 | 0.581 | 0.592 | 0.602 | 0.613 | 0.624 | 0.634 | 0.645 | 0.656 | 0.666 | 0.677 | 0.688 | 0.698 | 0.709 | 0.720 | 0.731 | 0.741 | 0.752 | 0.763 | 0.773 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of February

| NDC/A<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.002        | 0.042 | 0.083 | 0.123 | 0.163 | 0.203 | 0.243 | 0.284 | 0.324 | 0.364 | 0.404 | 0.445 | 0.485 | 0.525 | 0.565 | 0.605 | 0.646 | 0.686 | 0.726 | 0.766 | 0.806 |
| 35          | 0.005        | 0.045 | 0.085 | 0.125 | 0.165 | 0.205 | 0.245 | 0.286 | 0.326 | 0.366 | 0.406 | 0.446 | 0.486 | 0.526 | 0.566 | 0.606 | 0.646 | 0.686 | 0.726 | 0.766 | 0.806 |
| 40          | 0.009        | 0.049 | 0.089 | 0.129 | 0.169 | 0.208 | 0.248 | 0.288 | 0.328 | 0.368 | 0.408 | 0.448 | 0.487 | 0.527 | 0.567 | 0.607 | 0.647 | 0.687 | 0.727 | 0.767 | 0.806 |
| 45          | 0.014        | 0.054 | 0.093 | 0.133 | 0.172 | 0.212 | 0.252 | 0.291 | 0.331 | 0.371 | 0.410 | 0.450 | 0.489 | 0.529 | 0.569 | 0.608 | 0.648 | 0.688 | 0.727 | 0.767 | 0.806 |
| 50          | 0.020        | 0.059 | 0.098 | 0.138 | 0.177 | 0.216 | 0.256 | 0.295 | 0.334 | 0.374 | 0.413 | 0.452 | 0.492 | 0.531 | 0.570 | 0.610 | 0.649 | 0.688 | 0.728 | 0.767 | 0.806 |
| 55          | 0.026        | 0.065 | 0.104 | 0.143 | 0.182 | 0.221 | 0.260 | 0.299 | 0.338 | 0.377 | 0.416 | 0.455 | 0.494 | 0.533 | 0.572 | 0.611 | 0.650 | 0.689 | 0.728 | 0.767 | 0.806 |
| 60          | 0.034        | 0.073 | 0.111 | 0.150 | 0.188 | 0.227 | 0.266 | 0.304 | 0.343 | 0.382 | 0.420 | 0.459 | 0.497 | 0.536 | 0.575 | 0.613 | 0.652 | 0.691 | 0.729 | 0.768 | 0.806 |
| 65          | 0.044        | 0.082 | 0.120 | 0.158 | 0.196 | 0.234 | 0.273 | 0.311 | 0.349 | 0.387 | 0.425 | 0.463 | 0.501 | 0.539 | 0.578 | 0.616 | 0.654 | 0.692 | 0.730 | 0.768 | 0.806 |
| 70          | 0.057        | 0.094 | 0.132 | 0.169 | 0.207 | 0.244 | 0.282 | 0.319 | 0.357 | 0.394 | 0.432 | 0.469 | 0.507 | 0.544 | 0.582 | 0.619 | 0.656 | 0.694 | 0.731 | 0.769 | 0.806 |
| 75          | 0.074        | 0.111 | 0.148 | 0.184 | 0.221 | 0.257 | 0.294 | 0.331 | 0.367 | 0.404 | 0.440 | 0.477 | 0.514 | 0.550 | 0.587 | 0.623 | 0.660 | 0.697 | 0.733 | 0.770 | 0.806 |
| 80          | 0.101        | 0.136 | 0.172 | 0.207 | 0.242 | 0.277 | 0.313 | 0.348 | 0.383 | 0.418 | 0.454 | 0.489 | 0.524 | 0.560 | 0.595 | 0.630 | 0.665 | 0.701 | 0.736 | 0.771 | 0.806 |
| 85          | 0.144        | 0.178 | 0.211 | 0.244 | 0.277 | 0.310 | 0.343 | 0.376 | 0.409 | 0.442 | 0.475 | 0.509 | 0.542 | 0.575 | 0.608 | 0.641 | 0.674 | 0.707 | 0.740 | 0.773 | 0.806 |
| 90          | 0.223        | 0.252 | 0.281 | 0.310 | 0.340 | 0.369 | 0.398 | 0.427 | 0.456 | 0.486 | 0.515 | 0.544 | 0.573 | 0.602 | 0.631 | 0.661 | 0.690 | 0.719 | 0.748 | 0.777 | 0.806 |
| 95          | 0.387        | 0.408 | 0.429 | 0.450 | 0.471 | 0.492 | 0.513 | 0.534 | 0.555 | 0.576 | 0.597 | 0.618 | 0.639 | 0.660 | 0.681 | 0.702 | 0.723 | 0.744 | 0.765 | 0.786 | 0.806 |
| 98          | 0.587        | 0.598 | 0.609 | 0.620 | 0.631 | 0.642 | 0.653 | 0.664 | 0.675 | 0.686 | 0.697 | 0.708 | 0.719 | 0.730 | 0.741 | 0.752 | 0.763 | 0.774 | 0.785 | 0.795 | 0.806 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of March

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.008        | 0.048 | 0.088 | 0.129 | 0.169 | 0.209 | 0.250 | 0.290 | 0.331 | 0.371 | 0.411 | 0.452 | 0.492 | 0.532 | 0.573 | 0.613 | 0.653 | 0.694 | 0.734 | 0.774 | 0.815 |
| 35          | 0.010        | 0.051 | 0.091 | 0.131 | 0.171 | 0.212 | 0.252 | 0.292 | 0.332 | 0.372 | 0.413 | 0.453 | 0.493 | 0.533 | 0.573 | 0.614 | 0.654 | 0.694 | 0.734 | 0.775 | 0.815 |
| 40          | 0.013        | 0.053 | 0.094 | 0.134 | 0.174 | 0.214 | 0.254 | 0.294 | 0.334 | 0.374 | 0.414 | 0.454 | 0.494 | 0.534 | 0.574 | 0.614 | 0.655 | 0.695 | 0.735 | 0.775 | 0.815 |
| 45          | 0.017        | 0.057 | 0.097 | 0.136 | 0.176 | 0.216 | 0.256 | 0.296 | 0.336 | 0.376 | 0.416 | 0.456 | 0.496 | 0.536 | 0.575 | 0.615 | 0.655 | 0.695 | 0.735 | 0.775 | 0.815 |
| 50          | 0.020        | 0.060 | 0.100 | 0.140 | 0.179 | 0.219 | 0.259 | 0.298 | 0.338 | 0.378 | 0.418 | 0.457 | 0.497 | 0.537 | 0.577 | 0.616 | 0.656 | 0.696 | 0.735 | 0.775 | 0.815 |
| 55          | 0.025        | 0.064 | 0.104 | 0.143 | 0.183 | 0.222 | 0.262 | 0.301 | 0.341 | 0.380 | 0.420 | 0.459 | 0.499 | 0.538 | 0.578 | 0.617 | 0.657 | 0.696 | 0.736 | 0.775 | 0.815 |
| 60          | 0.031        | 0.070 | 0.109 | 0.148 | 0.187 | 0.227 | 0.266 | 0.305 | 0.344 | 0.383 | 0.423 | 0.462 | 0.501 | 0.540 | 0.580 | 0.619 | 0.658 | 0.697 | 0.736 | 0.776 | 0.815 |
| 65          | 0.038        | 0.077 | 0.116 | 0.155 | 0.194 | 0.233 | 0.271 | 0.310 | 0.349 | 0.388 | 0.427 | 0.465 | 0.504 | 0.543 | 0.582 | 0.621 | 0.660 | 0.698 | 0.737 | 0.776 | 0.815 |
| 70          | 0.049        | 0.087 | 0.126 | 0.164 | 0.202 | 0.240 | 0.279 | 0.317 | 0.355 | 0.394 | 0.432 | 0.470 | 0.508 | 0.547 | 0.585 | 0.623 | 0.662 | 0.700 | 0.738 | 0.777 | 0.815 |
| 75          | 0.065        | 0.103 | 0.140 | 0.178 | 0.215 | 0.253 | 0.290 | 0.328 | 0.365 | 0.402 | 0.440 | 0.477 | 0.515 | 0.552 | 0.590 | 0.627 | 0.665 | 0.702 | 0.740 | 0.777 | 0.815 |
| 80          | 0.091        | 0.127 | 0.163 | 0.199 | 0.236 | 0.272 | 0.308 | 0.344 | 0.380 | 0.417 | 0.453 | 0.489 | 0.525 | 0.561 | 0.598 | 0.634 | 0.670 | 0.706 | 0.742 | 0.779 | 0.815 |
| 85          | 0.133        | 0.167 | 0.201 | 0.235 | 0.270 | 0.304 | 0.338 | 0.372 | 0.406 | 0.440 | 0.474 | 0.508 | 0.542 | 0.576 | 0.610 | 0.644 | 0.678 | 0.713 | 0.747 | 0.781 | 0.815 |
| 90          | 0.209        | 0.239 | 0.269 | 0.300 | 0.330 | 0.360 | 0.391 | 0.421 | 0.451 | 0.482 | 0.512 | 0.542 | 0.572 | 0.603 | 0.633 | 0.663 | 0.694 | 0.724 | 0.754 | 0.785 | 0.815 |
| 95          | 0.368        | 0.391 | 0.413 | 0.435 | 0.458 | 0.480 | 0.502 | 0.525 | 0.547 | 0.569 | 0.592 | 0.614 | 0.636 | 0.659 | 0.681 | 0.703 | 0.726 | 0.748 | 0.770 | 0.793 | 0.815 |
| 98          | 0.578        | 0.590 | 0.601 | 0.613 | 0.625 | 0.637 | 0.649 | 0.661 | 0.673 | 0.684 | 0.696 | 0.708 | 0.720 | 0.732 | 0.744 | 0.756 | 0.767 | 0.779 | 0.791 | 0.803 | 0.815 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of April

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.039 | 0.079 | 0.118 | 0.157 | 0.197 | 0.236 | 0.275 | 0.315 | 0.354 | 0.393 | 0.433 | 0.472 | 0.511 | 0.551 | 0.590 | 0.629 | 0.669 | 0.708 | 0.747 | 0.787 |
| 35          | 0.000        | 0.040 | 0.079 | 0.118 | 0.157 | 0.197 | 0.236 | 0.275 | 0.315 | 0.354 | 0.393 | 0.433 | 0.472 | 0.511 | 0.551 | 0.590 | 0.629 | 0.669 | 0.708 | 0.747 | 0.787 |
| 40          | 0.001        | 0.040 | 0.079 | 0.119 | 0.158 | 0.197 | 0.236 | 0.276 | 0.315 | 0.354 | 0.394 | 0.433 | 0.472 | 0.512 | 0.551 | 0.590 | 0.629 | 0.669 | 0.708 | 0.747 | 0.787 |
| 45          | 0.001        | 0.040 | 0.080 | 0.119 | 0.158 | 0.198 | 0.237 | 0.276 | 0.315 | 0.355 | 0.394 | 0.433 | 0.472 | 0.512 | 0.551 | 0.590 | 0.630 | 0.669 | 0.708 | 0.747 | 0.787 |
| 50          | 0.002        | 0.041 | 0.080 | 0.120 | 0.159 | 0.198 | 0.237 | 0.277 | 0.316 | 0.355 | 0.394 | 0.434 | 0.473 | 0.512 | 0.551 | 0.590 | 0.630 | 0.669 | 0.708 | 0.747 | 0.787 |
| 55          | 0.003        | 0.042 | 0.081 | 0.120 | 0.160 | 0.199 | 0.238 | 0.277 | 0.316 | 0.356 | 0.395 | 0.434 | 0.473 | 0.512 | 0.552 | 0.591 | 0.630 | 0.669 | 0.708 | 0.747 | 0.787 |
| 60          | 0.005        | 0.044 | 0.083 | 0.122 | 0.161 | 0.200 | 0.239 | 0.278 | 0.318 | 0.357 | 0.396 | 0.435 | 0.474 | 0.513 | 0.552 | 0.591 | 0.630 | 0.669 | 0.708 | 0.748 | 0.787 |
| 65          | 0.008        | 0.047 | 0.086 | 0.125 | 0.164 | 0.203 | 0.242 | 0.281 | 0.320 | 0.359 | 0.398 | 0.436 | 0.475 | 0.514 | 0.553 | 0.592 | 0.631 | 0.670 | 0.709 | 0.748 | 0.787 |
| 70          | 0.014        | 0.053 | 0.092 | 0.130 | 0.169 | 0.207 | 0.246 | 0.285 | 0.323 | 0.362 | 0.401 | 0.439 | 0.478 | 0.516 | 0.555 | 0.594 | 0.632 | 0.671 | 0.709 | 0.748 | 0.787 |
| 75          | 0.024        | 0.062 | 0.100 | 0.138 | 0.176 | 0.215 | 0.253 | 0.291 | 0.329 | 0.367 | 0.405 | 0.443 | 0.482 | 0.520 | 0.558 | 0.596 | 0.634 | 0.672 | 0.710 | 0.749 | 0.787 |
| 80          | 0.042        | 0.079 | 0.116 | 0.153 | 0.191 | 0.228 | 0.265 | 0.302 | 0.340 | 0.377 | 0.414 | 0.451 | 0.489 | 0.526 | 0.563 | 0.600 | 0.638 | 0.675 | 0.712 | 0.749 | 0.787 |
| 85          | 0.076        | 0.112 | 0.147 | 0.183 | 0.218 | 0.254 | 0.289 | 0.325 | 0.361 | 0.396 | 0.432 | 0.467 | 0.503 | 0.538 | 0.574 | 0.609 | 0.645 | 0.680 | 0.716 | 0.751 | 0.787 |
| 90          | 0.146        | 0.178 | 0.210 | 0.242 | 0.274 | 0.306 | 0.338 | 0.370 | 0.402 | 0.434 | 0.466 | 0.498 | 0.530 | 0.562 | 0.594 | 0.626 | 0.659 | 0.691 | 0.723 | 0.755 | 0.787 |
| 95          | 0.305        | 0.329 | 0.353 | 0.377 | 0.401 | 0.425 | 0.449 | 0.474 | 0.498 | 0.522 | 0.546 | 0.570 | 0.594 | 0.618 | 0.642 | 0.666 | 0.690 | 0.714 | 0.738 | 0.763 | 0.787 |
| 98          | 0.530        | 0.543 | 0.556 | 0.569 | 0.581 | 0.594 | 0.607 | 0.620 | 0.633 | 0.646 | 0.658 | 0.671 | 0.684 | 0.697 | 0.710 | 0.723 | 0.735 | 0.748 | 0.761 | 0.774 | 0.787 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of May

| NDC/A<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.039 | 0.078 | 0.117 | 0.156 | 0.195 | 0.234 | 0.272 | 0.311 | 0.350 | 0.389 | 0.428 | 0.467 | 0.506 | 0.545 | 0.584 | 0.623 | 0.662 | 0.701 | 0.740 | 0.778 |
| 35          | 0.000        | 0.039 | 0.078 | 0.117 | 0.156 | 0.195 | 0.234 | 0.272 | 0.311 | 0.350 | 0.389 | 0.428 | 0.467 | 0.506 | 0.545 | 0.584 | 0.623 | 0.662 | 0.701 | 0.740 | 0.778 |
| 40          | 0.000        | 0.039 | 0.078 | 0.117 | 0.156 | 0.195 | 0.234 | 0.273 | 0.311 | 0.350 | 0.389 | 0.428 | 0.467 | 0.506 | 0.545 | 0.584 | 0.623 | 0.662 | 0.701 | 0.740 | 0.778 |
| 45          | 0.001        | 0.040 | 0.079 | 0.117 | 0.156 | 0.195 | 0.234 | 0.273 | 0.312 | 0.351 | 0.390 | 0.428 | 0.467 | 0.506 | 0.545 | 0.584 | 0.623 | 0.662 | 0.701 | 0.740 | 0.778 |
| 50          | 0.002        | 0.041 | 0.080 | 0.119 | 0.157 | 0.196 | 0.235 | 0.274 | 0.313 | 0.351 | 0.390 | 0.429 | 0.468 | 0.507 | 0.546 | 0.584 | 0.623 | 0.662 | 0.701 | 0.740 | 0.778 |
| 55          | 0.005        | 0.043 | 0.082 | 0.121 | 0.159 | 0.198 | 0.237 | 0.275 | 0.314 | 0.353 | 0.392 | 0.430 | 0.469 | 0.508 | 0.546 | 0.585 | 0.624 | 0.662 | 0.701 | 0.740 | 0.778 |
| 60          | 0.008        | 0.047 | 0.085 | 0.124 | 0.162 | 0.201 | 0.239 | 0.278 | 0.316 | 0.355 | 0.393 | 0.432 | 0.470 | 0.509 | 0.547 | 0.586 | 0.624 | 0.663 | 0.701 | 0.740 | 0.778 |
| 65          | 0.014        | 0.052 | 0.090 | 0.129 | 0.167 | 0.205 | 0.243 | 0.282 | 0.320 | 0.358 | 0.396 | 0.434 | 0.473 | 0.511 | 0.549 | 0.587 | 0.626 | 0.664 | 0.702 | 0.740 | 0.778 |
| 70          | 0.022        | 0.060 | 0.098 | 0.136 | 0.174 | 0.211 | 0.249 | 0.287 | 0.325 | 0.363 | 0.400 | 0.438 | 0.476 | 0.514 | 0.552 | 0.589 | 0.627 | 0.665 | 0.703 | 0.741 | 0.778 |
| 75          | 0.036        | 0.073 | 0.110 | 0.147 | 0.184 | 0.222 | 0.259 | 0.296 | 0.333 | 0.370 | 0.407 | 0.444 | 0.481 | 0.519 | 0.556 | 0.593 | 0.630 | 0.667 | 0.704 | 0.741 | 0.778 |
| 80          | 0.058        | 0.094 | 0.130 | 0.166 | 0.202 | 0.238 | 0.274 | 0.310 | 0.346 | 0.382 | 0.418 | 0.454 | 0.490 | 0.526 | 0.562 | 0.598 | 0.634 | 0.670 | 0.706 | 0.742 | 0.778 |
| 85          | 0.097        | 0.131 | 0.165 | 0.199 | 0.233 | 0.267 | 0.301 | 0.335 | 0.369 | 0.404 | 0.438 | 0.472 | 0.506 | 0.540 | 0.574 | 0.608 | 0.642 | 0.676 | 0.710 | 0.744 | 0.778 |
| 90          | 0.167        | 0.198 | 0.229 | 0.259 | 0.290 | 0.320 | 0.351 | 0.381 | 0.412 | 0.442 | 0.473 | 0.504 | 0.534 | 0.565 | 0.595 | 0.626 | 0.656 | 0.687 | 0.717 | 0.748 | 0.778 |
| 95          | 0.323        | 0.346 | 0.368 | 0.391 | 0.414 | 0.437 | 0.460 | 0.482 | 0.505 | 0.528 | 0.551 | 0.573 | 0.596 | 0.619 | 0.642 | 0.665 | 0.687 | 0.710 | 0.733 | 0.756 | 0.778 |
| 98          | 0.530        | 0.542 | 0.555 | 0.567 | 0.580 | 0.592 | 0.604 | 0.617 | 0.629 | 0.642 | 0.654 | 0.667 | 0.679 | 0.691 | 0.704 | 0.716 | 0.729 | 0.741 | 0.754 | 0.766 | 0.778 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of June

| NDC/A<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.001        | 0.041 | 0.081 | 0.121 | 0.161 | 0.201 | 0.241 | 0.282 | 0.322 | 0.362 | 0.402 | 0.442 | 0.482 | 0.522 | 0.562 | 0.602 | 0.642 | 0.682 | 0.722 | 0.762 | 0.802 |
| 35          | 0.003        | 0.043 | 0.083 | 0.123 | 0.163 | 0.203 | 0.243 | 0.283 | 0.323 | 0.363 | 0.403 | 0.443 | 0.483 | 0.523 | 0.563 | 0.603 | 0.643 | 0.683 | 0.723 | 0.762 | 0.802 |
| 40          | 0.006        | 0.046 | 0.086 | 0.126 | 0.166 | 0.205 | 0.245 | 0.285 | 0.325 | 0.365 | 0.404 | 0.444 | 0.484 | 0.524 | 0.564 | 0.603 | 0.643 | 0.683 | 0.723 | 0.763 | 0.802 |
| 45          | 0.011        | 0.051 | 0.090 | 0.130 | 0.169 | 0.209 | 0.248 | 0.288 | 0.328 | 0.367 | 0.407 | 0.446 | 0.486 | 0.525 | 0.565 | 0.605 | 0.644 | 0.684 | 0.723 | 0.763 | 0.802 |
| 50          | 0.017        | 0.057 | 0.096 | 0.135 | 0.174 | 0.214 | 0.253 | 0.292 | 0.331 | 0.371 | 0.410 | 0.449 | 0.488 | 0.528 | 0.567 | 0.606 | 0.645 | 0.685 | 0.724 | 0.763 | 0.802 |
| 55          | 0.026        | 0.064 | 0.103 | 0.142 | 0.181 | 0.220 | 0.259 | 0.297 | 0.336 | 0.375 | 0.414 | 0.453 | 0.492 | 0.531 | 0.569 | 0.608 | 0.647 | 0.686 | 0.725 | 0.764 | 0.802 |
| 60          | 0.036        | 0.075 | 0.113 | 0.151 | 0.190 | 0.228 | 0.266 | 0.305 | 0.343 | 0.381 | 0.419 | 0.458 | 0.496 | 0.534 | 0.573 | 0.611 | 0.649 | 0.688 | 0.726 | 0.764 | 0.802 |
| 65          | 0.051        | 0.088 | 0.126 | 0.163 | 0.201 | 0.239 | 0.276 | 0.314 | 0.351 | 0.389 | 0.426 | 0.464 | 0.502 | 0.539 | 0.577 | 0.614 | 0.652 | 0.690 | 0.727 | 0.765 | 0.802 |
| 70          | 0.069        | 0.106 | 0.142 | 0.179 | 0.216 | 0.252 | 0.289 | 0.326 | 0.362 | 0.399 | 0.436 | 0.472 | 0.509 | 0.546 | 0.582 | 0.619 | 0.656 | 0.692 | 0.729 | 0.766 | 0.802 |
| 75          | 0.093        | 0.128 | 0.164 | 0.199 | 0.235 | 0.270 | 0.306 | 0.341 | 0.377 | 0.412 | 0.448 | 0.483 | 0.519 | 0.554 | 0.590 | 0.625 | 0.661 | 0.696 | 0.731 | 0.767 | 0.802 |
| 80          | 0.126        | 0.160 | 0.193 | 0.227 | 0.261 | 0.295 | 0.329 | 0.363 | 0.396 | 0.430 | 0.464 | 0.498 | 0.532 | 0.566 | 0.599 | 0.633 | 0.667 | 0.701 | 0.735 | 0.769 | 0.802 |
| 85          | 0.174        | 0.206 | 0.237 | 0.268 | 0.300 | 0.331 | 0.363 | 0.394 | 0.425 | 0.457 | 0.488 | 0.520 | 0.551 | 0.583 | 0.614 | 0.645 | 0.677 | 0.708 | 0.740 | 0.771 | 0.802 |
| 90          | 0.254        | 0.281 | 0.308 | 0.336 | 0.363 | 0.391 | 0.418 | 0.446 | 0.473 | 0.501 | 0.528 | 0.555 | 0.583 | 0.610 | 0.638 | 0.665 | 0.693 | 0.720 | 0.748 | 0.775 | 0.802 |
| 95          | 0.410        | 0.430 | 0.449 | 0.469 | 0.488 | 0.508 | 0.528 | 0.547 | 0.567 | 0.587 | 0.606 | 0.626 | 0.645 | 0.665 | 0.685 | 0.704 | 0.724 | 0.744 | 0.763 | 0.783 | 0.802 |
| 98          | 0.592        | 0.602 | 0.613 | 0.623 | 0.634 | 0.644 | 0.655 | 0.665 | 0.676 | 0.686 | 0.697 | 0.708 | 0.718 | 0.729 | 0.739 | 0.750 | 0.760 | 0.771 | 0.781 | 0.792 | 0.802 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of July

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.080 | 0.119 | 0.159 | 0.199 | 0.239 | 0.279 | 0.318 | 0.358 | 0.398 | 0.438 | 0.478 | 0.517 | 0.557 | 0.597 | 0.637 | 0.676 | 0.716 | 0.756 | 0.796 |
| 35          | 0.001        | 0.041 | 0.080 | 0.120 | 0.160 | 0.200 | 0.239 | 0.279 | 0.319 | 0.359 | 0.398 | 0.438 | 0.478 | 0.518 | 0.557 | 0.597 | 0.637 | 0.677 | 0.716 | 0.756 | 0.796 |
| 40          | 0.002        | 0.042 | 0.082 | 0.121 | 0.161 | 0.201 | 0.240 | 0.280 | 0.320 | 0.359 | 0.399 | 0.439 | 0.478 | 0.518 | 0.558 | 0.597 | 0.637 | 0.677 | 0.716 | 0.756 | 0.796 |
| 45          | 0.005        | 0.044 | 0.084 | 0.123 | 0.163 | 0.203 | 0.242 | 0.282 | 0.321 | 0.361 | 0.400 | 0.440 | 0.479 | 0.519 | 0.558 | 0.598 | 0.638 | 0.677 | 0.717 | 0.756 | 0.796 |
| 50          | 0.008        | 0.048 | 0.087 | 0.126 | 0.166 | 0.205 | 0.245 | 0.284 | 0.323 | 0.363 | 0.402 | 0.441 | 0.481 | 0.520 | 0.560 | 0.599 | 0.638 | 0.678 | 0.717 | 0.756 | 0.796 |
| 55          | 0.013        | 0.052 | 0.091 | 0.130 | 0.170 | 0.209 | 0.248 | 0.287 | 0.326 | 0.365 | 0.404 | 0.444 | 0.483 | 0.522 | 0.561 | 0.600 | 0.639 | 0.679 | 0.718 | 0.757 | 0.796 |
| 60          | 0.019        | 0.058 | 0.097 | 0.136 | 0.174 | 0.213 | 0.252 | 0.291 | 0.330 | 0.369 | 0.407 | 0.446 | 0.485 | 0.524 | 0.563 | 0.602 | 0.640 | 0.679 | 0.718 | 0.757 | 0.796 |
| 65          | 0.028        | 0.066 | 0.105 | 0.143 | 0.181 | 0.220 | 0.258 | 0.297 | 0.335 | 0.373 | 0.412 | 0.450 | 0.489 | 0.527 | 0.565 | 0.604 | 0.642 | 0.681 | 0.719 | 0.757 | 0.796 |
| 70          | 0.041        | 0.078 | 0.116 | 0.154 | 0.192 | 0.229 | 0.267 | 0.305 | 0.343 | 0.380 | 0.418 | 0.456 | 0.494 | 0.531 | 0.569 | 0.607 | 0.645 | 0.683 | 0.720 | 0.758 | 0.796 |
| 75          | 0.060        | 0.097 | 0.134 | 0.171 | 0.207 | 0.244 | 0.281 | 0.318 | 0.354 | 0.391 | 0.428 | 0.465 | 0.502 | 0.538 | 0.575 | 0.612 | 0.649 | 0.685 | 0.722 | 0.759 | 0.796 |
| 80          | 0.091        | 0.126 | 0.161 | 0.196 | 0.232 | 0.267 | 0.302 | 0.337 | 0.373 | 0.408 | 0.443 | 0.478 | 0.514 | 0.549 | 0.584 | 0.619 | 0.655 | 0.690 | 0.725 | 0.761 | 0.796 |
| 85          | 0.139        | 0.172 | 0.204 | 0.237 | 0.270 | 0.303 | 0.336 | 0.369 | 0.402 | 0.434 | 0.467 | 0.500 | 0.533 | 0.566 | 0.599 | 0.632 | 0.664 | 0.697 | 0.730 | 0.763 | 0.796 |
| 90          | 0.221        | 0.249 | 0.278 | 0.307 | 0.336 | 0.364 | 0.393 | 0.422 | 0.451 | 0.479 | 0.508 | 0.537 | 0.566 | 0.594 | 0.623 | 0.652 | 0.681 | 0.710 | 0.738 | 0.767 | 0.796 |
| 95          | 0.382        | 0.403 | 0.424 | 0.444 | 0.465 | 0.486 | 0.506 | 0.527 | 0.548 | 0.568 | 0.589 | 0.610 | 0.630 | 0.651 | 0.672 | 0.692 | 0.713 | 0.734 | 0.754 | 0.775 | 0.796 |
| 98          | 0.571        | 0.583 | 0.594 | 0.605 | 0.616 | 0.627 | 0.639 | 0.650 | 0.661 | 0.672 | 0.684 | 0.695 | 0.706 | 0.717 | 0.728 | 0.740 | 0.751 | 0.762 | 0.773 | 0.785 | 0.796 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of August

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.001        | 0.041 | 0.081 | 0.121 | 0.161 | 0.201 | 0.241 | 0.281 | 0.321 | 0.361 | 0.401 | 0.440 | 0.480 | 0.520 | 0.560 | 0.600 | 0.640 | 0.680 | 0.720 | 0.760 | 0.800 |
| 35          | 0.002        | 0.042 | 0.082 | 0.122 | 0.162 | 0.202 | 0.241 | 0.281 | 0.321 | 0.361 | 0.401 | 0.441 | 0.481 | 0.521 | 0.561 | 0.601 | 0.641 | 0.681 | 0.720 | 0.760 | 0.800 |
| 40          | 0.004        | 0.044 | 0.083 | 0.123 | 0.163 | 0.203 | 0.243 | 0.283 | 0.322 | 0.362 | 0.402 | 0.442 | 0.482 | 0.522 | 0.561 | 0.601 | 0.641 | 0.681 | 0.721 | 0.760 | 0.800 |
| 45          | 0.007        | 0.046 | 0.086 | 0.126 | 0.165 | 0.205 | 0.245 | 0.284 | 0.324 | 0.364 | 0.403 | 0.443 | 0.483 | 0.522 | 0.562 | 0.602 | 0.642 | 0.681 | 0.721 | 0.761 | 0.800 |
| 50          | 0.010        | 0.050 | 0.089 | 0.129 | 0.168 | 0.208 | 0.247 | 0.287 | 0.326 | 0.366 | 0.405 | 0.445 | 0.484 | 0.524 | 0.563 | 0.603 | 0.642 | 0.682 | 0.721 | 0.761 | 0.800 |
| 55          | 0.015        | 0.054 | 0.094 | 0.133 | 0.172 | 0.211 | 0.251 | 0.290 | 0.329 | 0.368 | 0.408 | 0.447 | 0.486 | 0.525 | 0.565 | 0.604 | 0.643 | 0.683 | 0.722 | 0.761 | 0.800 |
| 60          | 0.022        | 0.061 | 0.100 | 0.139 | 0.178 | 0.217 | 0.256 | 0.295 | 0.333 | 0.372 | 0.411 | 0.450 | 0.489 | 0.528 | 0.567 | 0.606 | 0.645 | 0.684 | 0.723 | 0.761 | 0.800 |
| 65          | 0.032        | 0.071 | 0.109 | 0.148 | 0.186 | 0.224 | 0.263 | 0.301 | 0.340 | 0.378 | 0.416 | 0.455 | 0.493 | 0.532 | 0.570 | 0.608 | 0.647 | 0.685 | 0.724 | 0.762 | 0.800 |
| 70          | 0.047        | 0.084 | 0.122 | 0.160 | 0.197 | 0.235 | 0.273 | 0.310 | 0.348 | 0.386 | 0.423 | 0.461 | 0.499 | 0.537 | 0.574 | 0.612 | 0.650 | 0.687 | 0.725 | 0.763 | 0.800 |
| 75          | 0.067        | 0.104 | 0.140 | 0.177 | 0.214 | 0.250 | 0.287 | 0.324 | 0.360 | 0.397 | 0.434 | 0.470 | 0.507 | 0.544 | 0.580 | 0.617 | 0.654 | 0.690 | 0.727 | 0.764 | 0.800 |
| 80          | 0.098        | 0.133 | 0.168 | 0.203 | 0.238 | 0.273 | 0.308 | 0.344 | 0.379 | 0.414 | 0.449 | 0.484 | 0.519 | 0.554 | 0.590 | 0.625 | 0.660 | 0.695 | 0.730 | 0.765 | 0.800 |
| 85          | 0.146        | 0.178 | 0.211 | 0.244 | 0.277 | 0.309 | 0.342 | 0.375 | 0.408 | 0.440 | 0.473 | 0.506 | 0.538 | 0.571 | 0.604 | 0.637 | 0.669 | 0.702 | 0.735 | 0.768 | 0.800 |
| 90          | 0.227        | 0.256 | 0.285 | 0.313 | 0.342 | 0.371 | 0.399 | 0.428 | 0.457 | 0.485 | 0.514 | 0.542 | 0.571 | 0.600 | 0.628 | 0.657 | 0.686 | 0.714 | 0.743 | 0.772 | 0.800 |
| 95          | 0.387        | 0.408 | 0.429 | 0.449 | 0.470 | 0.491 | 0.511 | 0.532 | 0.553 | 0.573 | 0.594 | 0.614 | 0.635 | 0.656 | 0.676 | 0.697 | 0.718 | 0.738 | 0.759 | 0.780 | 0.800 |
| 98          | 0.579        | 0.590 | 0.601 | 0.612 | 0.623 | 0.634 | 0.645 | 0.657 | 0.668 | 0.679 | 0.690 | 0.701 | 0.712 | 0.723 | 0.734 | 0.745 | 0.756 | 0.767 | 0.778 | 0.789 | 0.800 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of September

| NDC/A<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.006        | 0.046 | 0.087 | 0.127 | 0.168 | 0.209 | 0.249 | 0.290 | 0.330 | 0.371 | 0.411 | 0.452 | 0.493 | 0.533 | 0.574 | 0.614 | 0.655 | 0.695 | 0.736 | 0.777 | 0.817 |
| 35          | 0.009        | 0.050 | 0.090 | 0.130 | 0.171 | 0.211 | 0.252 | 0.292 | 0.332 | 0.373 | 0.413 | 0.454 | 0.494 | 0.534 | 0.575 | 0.615 | 0.656 | 0.696 | 0.736 | 0.777 | 0.817 |
| 40          | 0.014        | 0.054 | 0.095 | 0.135 | 0.175 | 0.215 | 0.255 | 0.295 | 0.335 | 0.376 | 0.416 | 0.456 | 0.496 | 0.536 | 0.576 | 0.616 | 0.657 | 0.697 | 0.737 | 0.777 | 0.817 |
| 45          | 0.021        | 0.061 | 0.101 | 0.141 | 0.180 | 0.220 | 0.260 | 0.300 | 0.340 | 0.379 | 0.419 | 0.459 | 0.499 | 0.539 | 0.578 | 0.618 | 0.658 | 0.698 | 0.738 | 0.777 | 0.817 |
| 50          | 0.030        | 0.069 | 0.109 | 0.148 | 0.187 | 0.227 | 0.266 | 0.305 | 0.345 | 0.384 | 0.424 | 0.463 | 0.502 | 0.542 | 0.581 | 0.620 | 0.660 | 0.699 | 0.738 | 0.778 | 0.817 |
| 55          | 0.041        | 0.080 | 0.119 | 0.157 | 0.196 | 0.235 | 0.274 | 0.313 | 0.351 | 0.390 | 0.429 | 0.468 | 0.507 | 0.545 | 0.584 | 0.623 | 0.662 | 0.701 | 0.739 | 0.778 | 0.817 |
| 60          | 0.055        | 0.093 | 0.131 | 0.169 | 0.207 | 0.245 | 0.283 | 0.321 | 0.360 | 0.398 | 0.436 | 0.474 | 0.512 | 0.550 | 0.588 | 0.626 | 0.665 | 0.703 | 0.741 | 0.779 | 0.817 |
| 65          | 0.071        | 0.108 | 0.146 | 0.183 | 0.220 | 0.258 | 0.295 | 0.332 | 0.370 | 0.407 | 0.444 | 0.481 | 0.519 | 0.556 | 0.593 | 0.631 | 0.668 | 0.705 | 0.743 | 0.780 | 0.817 |
| 70          | 0.092        | 0.129 | 0.165 | 0.201 | 0.237 | 0.274 | 0.310 | 0.346 | 0.382 | 0.419 | 0.455 | 0.491 | 0.527 | 0.563 | 0.600 | 0.636 | 0.672 | 0.708 | 0.745 | 0.781 | 0.817 |
| 75          | 0.120        | 0.155 | 0.190 | 0.225 | 0.260 | 0.295 | 0.329 | 0.364 | 0.399 | 0.434 | 0.469 | 0.504 | 0.538 | 0.573 | 0.608 | 0.643 | 0.678 | 0.713 | 0.747 | 0.782 | 0.817 |
| 80          | 0.158        | 0.191 | 0.224 | 0.257 | 0.290 | 0.323 | 0.356 | 0.389 | 0.422 | 0.455 | 0.487 | 0.520 | 0.553 | 0.586 | 0.619 | 0.652 | 0.685 | 0.718 | 0.751 | 0.784 | 0.817 |
| 85          | 0.212        | 0.242 | 0.272 | 0.303 | 0.333 | 0.363 | 0.394 | 0.424 | 0.454 | 0.484 | 0.515 | 0.545 | 0.575 | 0.605 | 0.636 | 0.666 | 0.696 | 0.726 | 0.757 | 0.787 | 0.817 |
| 90          | 0.296        | 0.322 | 0.348 | 0.374 | 0.400 | 0.426 | 0.453 | 0.479 | 0.505 | 0.531 | 0.557 | 0.583 | 0.609 | 0.635 | 0.661 | 0.687 | 0.713 | 0.739 | 0.765 | 0.791 | 0.817 |
| 95          | 0.450        | 0.469 | 0.487 | 0.505 | 0.524 | 0.542 | 0.560 | 0.579 | 0.597 | 0.615 | 0.634 | 0.652 | 0.670 | 0.689 | 0.707 | 0.725 | 0.744 | 0.762 | 0.780 | 0.799 | 0.817 |
| 98          | 0.621        | 0.631 | 0.641 | 0.651 | 0.660 | 0.670 | 0.680 | 0.690 | 0.700 | 0.709 | 0.719 | 0.729 | 0.739 | 0.749 | 0.758 | 0.768 | 0.778 | 0.788 | 0.798 | 0.807 | 0.817 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of October

| NDC/A<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.010        | 0.051 | 0.092 | 0.133 | 0.173 | 0.214 | 0.255 | 0.295 | 0.336 | 0.377 | 0.417 | 0.458 | 0.499 | 0.539 | 0.580 | 0.621 | 0.662 | 0.702 | 0.743 | 0.784 | 0.824 |
| 35          | 0.018        | 0.058 | 0.098 | 0.139 | 0.179 | 0.219 | 0.260 | 0.300 | 0.340 | 0.381 | 0.421 | 0.461 | 0.502 | 0.542 | 0.582 | 0.623 | 0.663 | 0.703 | 0.744 | 0.784 | 0.824 |
| 40          | 0.027        | 0.067 | 0.107 | 0.147 | 0.186 | 0.226 | 0.266 | 0.306 | 0.346 | 0.386 | 0.426 | 0.465 | 0.505 | 0.545 | 0.585 | 0.625 | 0.665 | 0.705 | 0.745 | 0.784 | 0.824 |
| 45          | 0.038        | 0.078 | 0.117 | 0.156 | 0.195 | 0.235 | 0.274 | 0.313 | 0.353 | 0.392 | 0.431 | 0.471 | 0.510 | 0.549 | 0.588 | 0.628 | 0.667 | 0.706 | 0.746 | 0.785 | 0.824 |
| 50          | 0.052        | 0.091 | 0.129 | 0.168 | 0.207 | 0.245 | 0.284 | 0.322 | 0.361 | 0.400 | 0.438 | 0.477 | 0.515 | 0.554 | 0.593 | 0.631 | 0.670 | 0.708 | 0.747 | 0.786 | 0.824 |
| 55          | 0.069        | 0.107 | 0.145 | 0.183 | 0.220 | 0.258 | 0.296 | 0.334 | 0.371 | 0.409 | 0.447 | 0.485 | 0.522 | 0.560 | 0.598 | 0.636 | 0.673 | 0.711 | 0.749 | 0.787 | 0.824 |
| 60          | 0.091        | 0.128 | 0.164 | 0.201 | 0.238 | 0.274 | 0.311 | 0.348 | 0.384 | 0.421 | 0.458 | 0.494 | 0.531 | 0.568 | 0.604 | 0.641 | 0.678 | 0.714 | 0.751 | 0.788 | 0.824 |
| 65          | 0.117        | 0.153 | 0.188 | 0.223 | 0.259 | 0.294 | 0.329 | 0.365 | 0.400 | 0.435 | 0.471 | 0.506 | 0.541 | 0.577 | 0.612 | 0.648 | 0.683 | 0.718 | 0.754 | 0.789 | 0.824 |
| 70          | 0.149        | 0.183 | 0.217 | 0.251 | 0.284 | 0.318 | 0.352 | 0.386 | 0.419 | 0.453 | 0.487 | 0.521 | 0.554 | 0.588 | 0.622 | 0.656 | 0.689 | 0.723 | 0.757 | 0.791 | 0.824 |
| 75          | 0.189        | 0.221 | 0.252 | 0.284 | 0.316 | 0.348 | 0.380 | 0.411 | 0.443 | 0.475 | 0.507 | 0.538 | 0.570 | 0.602 | 0.634 | 0.665 | 0.697 | 0.729 | 0.761 | 0.793 | 0.824 |
| 80          | 0.239        | 0.268 | 0.298 | 0.327 | 0.356 | 0.385 | 0.415 | 0.444 | 0.473 | 0.502 | 0.532 | 0.561 | 0.590 | 0.619 | 0.649 | 0.678 | 0.707 | 0.736 | 0.766 | 0.795 | 0.824 |
| 85          | 0.305        | 0.331 | 0.357 | 0.383 | 0.409 | 0.435 | 0.461 | 0.487 | 0.513 | 0.539 | 0.565 | 0.591 | 0.617 | 0.642 | 0.668 | 0.694 | 0.720 | 0.746 | 0.772 | 0.798 | 0.824 |
| 90          | 0.397        | 0.419 | 0.440 | 0.461 | 0.483 | 0.504 | 0.525 | 0.547 | 0.568 | 0.589 | 0.611 | 0.632 | 0.653 | 0.675 | 0.696 | 0.718 | 0.739 | 0.760 | 0.782 | 0.803 | 0.824 |
| 95          | 0.547        | 0.561 | 0.575 | 0.589 | 0.603 | 0.617 | 0.631 | 0.644 | 0.658 | 0.672 | 0.686 | 0.700 | 0.714 | 0.727 | 0.741 | 0.755 | 0.769 | 0.783 | 0.797 | 0.810 | 0.824 |
| 98          | 0.678        | 0.685 | 0.692 | 0.700 | 0.707 | 0.714 | 0.722 | 0.729 | 0.736 | 0.744 | 0.751 | 0.758 | 0.766 | 0.773 | 0.780 | 0.788 | 0.795 | 0.802 | 0.810 | 0.817 | 0.824 |



Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of November

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.005        | 0.043 | 0.082 | 0.121 | 0.160 | 0.198 | 0.237 | 0.276 | 0.314 | 0.353 | 0.392 | 0.430 | 0.469 | 0.508 | 0.546 | 0.585 | 0.624 | 0.662 | 0.701 | 0.740 | 0.778 |
| 35          | 0.010        | 0.048 | 0.086 | 0.125 | 0.163 | 0.202 | 0.240 | 0.279 | 0.317 | 0.356 | 0.394 | 0.432 | 0.471 | 0.509 | 0.548 | 0.586 | 0.625 | 0.663 | 0.702 | 0.740 | 0.778 |
| 40          | 0.016        | 0.054 | 0.092 | 0.130 | 0.168 | 0.206 | 0.245 | 0.283 | 0.321 | 0.359 | 0.397 | 0.435 | 0.473 | 0.512 | 0.550 | 0.588 | 0.626 | 0.664 | 0.702 | 0.740 | 0.778 |
| 45          | 0.023        | 0.061 | 0.099 | 0.136 | 0.174 | 0.212 | 0.250 | 0.288 | 0.325 | 0.363 | 0.401 | 0.439 | 0.476 | 0.514 | 0.552 | 0.590 | 0.627 | 0.665 | 0.703 | 0.741 | 0.778 |
| 50          | 0.033        | 0.070 | 0.107 | 0.145 | 0.182 | 0.219 | 0.256 | 0.294 | 0.331 | 0.368 | 0.406 | 0.443 | 0.480 | 0.517 | 0.555 | 0.592 | 0.629 | 0.667 | 0.704 | 0.741 | 0.778 |
| 55          | 0.044        | 0.081 | 0.118 | 0.154 | 0.191 | 0.228 | 0.264 | 0.301 | 0.338 | 0.375 | 0.411 | 0.448 | 0.485 | 0.521 | 0.558 | 0.595 | 0.632 | 0.668 | 0.705 | 0.742 | 0.778 |
| 60          | 0.058        | 0.094 | 0.130 | 0.166 | 0.202 | 0.238 | 0.274 | 0.310 | 0.346 | 0.382 | 0.418 | 0.454 | 0.490 | 0.526 | 0.562 | 0.598 | 0.634 | 0.670 | 0.706 | 0.742 | 0.778 |
| 65          | 0.074        | 0.110 | 0.145 | 0.180 | 0.215 | 0.250 | 0.286 | 0.321 | 0.356 | 0.391 | 0.426 | 0.462 | 0.497 | 0.532 | 0.567 | 0.602 | 0.638 | 0.673 | 0.708 | 0.743 | 0.778 |
| 70          | 0.095        | 0.130 | 0.164 | 0.198 | 0.232 | 0.266 | 0.300 | 0.334 | 0.369 | 0.403 | 0.437 | 0.471 | 0.505 | 0.539 | 0.574 | 0.608 | 0.642 | 0.676 | 0.710 | 0.744 | 0.778 |
| 75          | 0.123        | 0.155 | 0.188 | 0.221 | 0.254 | 0.287 | 0.319 | 0.352 | 0.385 | 0.418 | 0.451 | 0.483 | 0.516 | 0.549 | 0.582 | 0.615 | 0.647 | 0.680 | 0.713 | 0.746 | 0.778 |
| 80          | 0.159        | 0.190 | 0.221 | 0.252 | 0.283 | 0.314 | 0.345 | 0.376 | 0.407 | 0.438 | 0.469 | 0.500 | 0.531 | 0.562 | 0.593 | 0.624 | 0.655 | 0.686 | 0.717 | 0.748 | 0.778 |
| 85          | 0.211        | 0.240 | 0.268 | 0.296 | 0.325 | 0.353 | 0.382 | 0.410 | 0.438 | 0.467 | 0.495 | 0.523 | 0.552 | 0.580 | 0.608 | 0.637 | 0.665 | 0.693 | 0.722 | 0.750 | 0.778 |
| 90          | 0.291        | 0.315 | 0.340 | 0.364 | 0.388 | 0.413 | 0.437 | 0.461 | 0.486 | 0.510 | 0.535 | 0.559 | 0.583 | 0.608 | 0.632 | 0.657 | 0.681 | 0.705 | 0.730 | 0.754 | 0.778 |
| 95          | 0.434        | 0.451 | 0.469 | 0.486 | 0.503 | 0.520 | 0.538 | 0.555 | 0.572 | 0.589 | 0.606 | 0.624 | 0.641 | 0.658 | 0.675 | 0.692 | 0.710 | 0.727 | 0.744 | 0.761 | 0.778 |
| 98          | 0.596        | 0.606 | 0.615 | 0.624 | 0.633 | 0.642 | 0.651 | 0.660 | 0.669 | 0.678 | 0.687 | 0.697 | 0.706 | 0.715 | 0.724 | 0.733 | 0.742 | 0.751 | 0.760 | 0.769 | 0.778 |

Runoff C Values for VERO BEACH MUNI AP (9214) for the Month of December

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.004        | 0.041 | 0.079 | 0.117 | 0.154 | 0.192 | 0.230 | 0.268 | 0.305 | 0.343 | 0.381 | 0.419 | 0.456 | 0.494 | 0.532 | 0.569 | 0.607 | 0.645 | 0.683 | 0.720 | 0.758 |
| 35          | 0.008        | 0.045 | 0.083 | 0.120 | 0.158 | 0.195 | 0.233 | 0.271 | 0.308 | 0.346 | 0.383 | 0.421 | 0.458 | 0.496 | 0.533 | 0.571 | 0.608 | 0.646 | 0.683 | 0.721 | 0.758 |
| 40          | 0.014        | 0.051 | 0.088 | 0.125 | 0.163 | 0.200 | 0.237 | 0.274 | 0.312 | 0.349 | 0.386 | 0.423 | 0.460 | 0.498 | 0.535 | 0.572 | 0.609 | 0.646 | 0.684 | 0.721 | 0.758 |
| 45          | 0.021        | 0.058 | 0.095 | 0.131 | 0.168 | 0.205 | 0.242 | 0.279 | 0.316 | 0.353 | 0.389 | 0.426 | 0.463 | 0.500 | 0.537 | 0.574 | 0.611 | 0.648 | 0.684 | 0.721 | 0.758 |
| 50          | 0.029        | 0.065 | 0.102 | 0.138 | 0.175 | 0.211 | 0.248 | 0.284 | 0.321 | 0.357 | 0.393 | 0.430 | 0.466 | 0.503 | 0.539 | 0.576 | 0.612 | 0.649 | 0.685 | 0.722 | 0.758 |
| 55          | 0.038        | 0.074 | 0.110 | 0.146 | 0.182 | 0.218 | 0.254 | 0.290 | 0.326 | 0.362 | 0.398 | 0.434 | 0.470 | 0.506 | 0.542 | 0.578 | 0.614 | 0.650 | 0.686 | 0.722 | 0.758 |
| 60          | 0.048        | 0.083 | 0.119 | 0.154 | 0.190 | 0.225 | 0.261 | 0.296 | 0.332 | 0.367 | 0.403 | 0.439 | 0.474 | 0.510 | 0.545 | 0.581 | 0.616 | 0.652 | 0.687 | 0.723 | 0.758 |
| 65          | 0.060        | 0.095 | 0.130 | 0.165 | 0.200 | 0.234 | 0.269 | 0.304 | 0.339 | 0.374 | 0.409 | 0.444 | 0.479 | 0.514 | 0.549 | 0.584 | 0.618 | 0.653 | 0.688 | 0.723 | 0.758 |
| 70          | 0.074        | 0.109 | 0.143 | 0.177 | 0.211 | 0.245 | 0.280 | 0.314 | 0.348 | 0.382 | 0.416 | 0.450 | 0.485 | 0.519 | 0.553 | 0.587 | 0.621 | 0.656 | 0.690 | 0.724 | 0.758 |
| 75          | 0.093        | 0.126 | 0.159 | 0.192 | 0.226 | 0.259 | 0.292 | 0.326 | 0.359 | 0.392 | 0.425 | 0.459 | 0.492 | 0.525 | 0.558 | 0.592 | 0.625 | 0.658 | 0.692 | 0.725 | 0.758 |
| 80          | 0.117        | 0.149 | 0.181 | 0.214 | 0.246 | 0.278 | 0.310 | 0.342 | 0.374 | 0.406 | 0.438 | 0.470 | 0.502 | 0.534 | 0.566 | 0.598 | 0.630 | 0.662 | 0.694 | 0.726 | 0.758 |
| 85          | 0.155        | 0.185 | 0.215 | 0.246 | 0.276 | 0.306 | 0.336 | 0.366 | 0.396 | 0.426 | 0.457 | 0.487 | 0.517 | 0.547 | 0.577 | 0.607 | 0.638 | 0.668 | 0.698 | 0.728 | 0.758 |
| 90          | 0.219        | 0.246 | 0.273 | 0.300 | 0.327 | 0.354 | 0.381 | 0.408 | 0.435 | 0.462 | 0.489 | 0.516 | 0.543 | 0.570 | 0.596 | 0.623 | 0.650 | 0.677 | 0.704 | 0.731 | 0.758 |
| 95          | 0.354        | 0.374 | 0.394 | 0.414 | 0.434 | 0.455 | 0.475 | 0.495 | 0.515 | 0.536 | 0.556 | 0.576 | 0.596 | 0.617 | 0.637 | 0.657 | 0.677 | 0.697 | 0.718 | 0.738 | 0.758 |
| 98          | 0.536        | 0.547 | 0.558 | 0.569 | 0.580 | 0.591 | 0.602 | 0.613 | 0.625 | 0.636 | 0.647 | 0.658 | 0.669 | 0.680 | 0.691 | 0.702 | 0.714 | 0.725 | 0.736 | 0.747 | 0.758 |



#### **B.4 Combined Mean Values**

Combined Runoff C Values for the IRL Watershed for the Month of January

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.039 | 0.077 | 0.116 | 0.155 | 0.193 | 0.232 | 0.271 | 0.309 | 0.348 | 0.387 | 0.425 | 0.464 | 0.503 | 0.541 | 0.580 | 0.619 | 0.657 | 0.696 | 0.735 | 0.773 |
| 35          | 0.000        | 0.039 | 0.078 | 0.116 | 0.155 | 0.194 | 0.232 | 0.271 | 0.310 | 0.348 | 0.387 | 0.425 | 0.464 | 0.503 | 0.541 | 0.580 | 0.619 | 0.657 | 0.696 | 0.735 | 0.773 |
| 40          | 0.001        | 0.040 | 0.078 | 0.117 | 0.156 | 0.194 | 0.233 | 0.271 | 0.310 | 0.349 | 0.387 | 0.426 | 0.464 | 0.503 | 0.542 | 0.580 | 0.619 | 0.657 | 0.696 | 0.735 | 0.773 |
| 45          | 0.003        | 0.042 | 0.080 | 0.119 | 0.157 | 0.196 | 0.234 | 0.273 | 0.311 | 0.350 | 0.388 | 0.427 | 0.465 | 0.504 | 0.542 | 0.581 | 0.619 | 0.658 | 0.696 | 0.735 | 0.773 |
| 50          | 0.007        | 0.045 | 0.083 | 0.122 | 0.160 | 0.198 | 0.237 | 0.275 | 0.313 | 0.352 | 0.390 | 0.428 | 0.467 | 0.505 | 0.543 | 0.582 | 0.620 | 0.658 | 0.697 | 0.735 | 0.773 |
| 55          | 0.012        | 0.050 | 0.088 | 0.126 | 0.164 | 0.202 | 0.241 | 0.279 | 0.317 | 0.355 | 0.393 | 0.431 | 0.469 | 0.507 | 0.545 | 0.583 | 0.621 | 0.659 | 0.697 | 0.735 | 0.773 |
| 60          | 0.020        | 0.058 | 0.095 | 0.133 | 0.171 | 0.208 | 0.246 | 0.284 | 0.321 | 0.359 | 0.397 | 0.434 | 0.472 | 0.510 | 0.547 | 0.585 | 0.623 | 0.660 | 0.698 | 0.736 | 0.773 |
| 65          | 0.031        | 0.068 | 0.105 | 0.142 | 0.179 | 0.216 | 0.253 | 0.291 | 0.328 | 0.365 | 0.402 | 0.439 | 0.476 | 0.513 | 0.551 | 0.588 | 0.625 | 0.662 | 0.699 | 0.736 | 0.773 |
| 70          | 0.046        | 0.082 | 0.118 | 0.155 | 0.191 | 0.228 | 0.264 | 0.300 | 0.337 | 0.373 | 0.409 | 0.446 | 0.482 | 0.519 | 0.555 | 0.591 | 0.628 | 0.664 | 0.701 | 0.737 | 0.773 |
| 75          | 0.066        | 0.102 | 0.137 | 0.172 | 0.208 | 0.243 | 0.278 | 0.314 | 0.349 | 0.384 | 0.420 | 0.455 | 0.491 | 0.526 | 0.561 | 0.597 | 0.632 | 0.667 | 0.703 | 0.738 | 0.773 |
| 80          | 0.096        | 0.130 | 0.164 | 0.197 | 0.231 | 0.265 | 0.299 | 0.333 | 0.367 | 0.401 | 0.435 | 0.468 | 0.502 | 0.536 | 0.570 | 0.604 | 0.638 | 0.672 | 0.706 | 0.739 | 0.773 |
| 85          | 0.141        | 0.172 | 0.204 | 0.236 | 0.267 | 0.299 | 0.330 | 0.362 | 0.394 | 0.425 | 0.457 | 0.489 | 0.520 | 0.552 | 0.584 | 0.615 | 0.647 | 0.678 | 0.710 | 0.742 | 0.773 |
| 90          | 0.215        | 0.243 | 0.271 | 0.299 | 0.327 | 0.355 | 0.383 | 0.411 | 0.439 | 0.466 | 0.494 | 0.522 | 0.550 | 0.578 | 0.606 | 0.634 | 0.662 | 0.690 | 0.718 | 0.745 | 0.773 |
| 95          | 0.365        | 0.385 | 0.405 | 0.426 | 0.446 | 0.467 | 0.487 | 0.508 | 0.528 | 0.549 | 0.569 | 0.589 | 0.610 | 0.630 | 0.651 | 0.671 | 0.692 | 0.712 | 0.732 | 0.753 | 0.773 |
| 98          | 0.555        | 0.566 | 0.577 | 0.588 | 0.598 | 0.609 | 0.620 | 0.631 | 0.642 | 0.653 | 0.664 | 0.675 | 0.686 | 0.697 | 0.708 | 0.719 | 0.730 | 0.741 | 0.751 | 0.762 | 0.773 |

Combined Runoff C Values for the IRL Watershed for the Month of February

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.001        | 0.041 | 0.081 | 0.121 | 0.161 | 0.201 | 0.242 | 0.282 | 0.322 | 0.362 | 0.402 | 0.442 | 0.482 | 0.523 | 0.563 | 0.603 | 0.643 | 0.683 | 0.723 | 0.763 | 0.804 |
| 35          | 0.002        | 0.042 | 0.082 | 0.122 | 0.162 | 0.202 | 0.242 | 0.282 | 0.323 | 0.363 | 0.403 | 0.443 | 0.483 | 0.523 | 0.563 | 0.603 | 0.643 | 0.683 | 0.723 | 0.764 | 0.804 |
| 40          | 0.004        | 0.044 | 0.084 | 0.124 | 0.164 | 0.204 | 0.244 | 0.284 | 0.324 | 0.364 | 0.404 | 0.444 | 0.484 | 0.524 | 0.564 | 0.604 | 0.644 | 0.684 | 0.724 | 0.764 | 0.804 |
| 45          | 0.006        | 0.046 | 0.086 | 0.126 | 0.166 | 0.205 | 0.245 | 0.285 | 0.325 | 0.365 | 0.405 | 0.445 | 0.485 | 0.524 | 0.564 | 0.604 | 0.644 | 0.684 | 0.724 | 0.764 | 0.804 |
| 50          | 0.009        | 0.049 | 0.089 | 0.128 | 0.168 | 0.208 | 0.248 | 0.287 | 0.327 | 0.367 | 0.406 | 0.446 | 0.486 | 0.526 | 0.565 | 0.605 | 0.645 | 0.684 | 0.724 | 0.764 | 0.804 |
| 55          | 0.014        | 0.053 | 0.093 | 0.132 | 0.172 | 0.211 | 0.251 | 0.290 | 0.330 | 0.369 | 0.409 | 0.448 | 0.488 | 0.527 | 0.567 | 0.606 | 0.646 | 0.685 | 0.725 | 0.764 | 0.804 |
| 60          | 0.020        | 0.059 | 0.098 | 0.137 | 0.176 | 0.216 | 0.255 | 0.294 | 0.333 | 0.372 | 0.412 | 0.451 | 0.490 | 0.529 | 0.568 | 0.608 | 0.647 | 0.686 | 0.725 | 0.764 | 0.804 |
| 65          | 0.028        | 0.067 | 0.106 | 0.144 | 0.183 | 0.222 | 0.261 | 0.300 | 0.338 | 0.377 | 0.416 | 0.455 | 0.493 | 0.532 | 0.571 | 0.610 | 0.649 | 0.687 | 0.726 | 0.765 | 0.804 |
| 70          | 0.041        | 0.079 | 0.117 | 0.155 | 0.193 | 0.231 | 0.270 | 0.308 | 0.346 | 0.384 | 0.422 | 0.460 | 0.498 | 0.537 | 0.575 | 0.613 | 0.651 | 0.689 | 0.727 | 0.765 | 0.804 |
| 75          | 0.059        | 0.096 | 0.134 | 0.171 | 0.208 | 0.245 | 0.283 | 0.320 | 0.357 | 0.394 | 0.431 | 0.469 | 0.506 | 0.543 | 0.580 | 0.618 | 0.655 | 0.692 | 0.729 | 0.766 | 0.804 |
| 80          | 0.088        | 0.124 | 0.159 | 0.195 | 0.231 | 0.267 | 0.303 | 0.338 | 0.374 | 0.410 | 0.446 | 0.482 | 0.517 | 0.553 | 0.589 | 0.625 | 0.660 | 0.696 | 0.732 | 0.768 | 0.804 |
| 85          | 0.135        | 0.168 | 0.202 | 0.235 | 0.269 | 0.302 | 0.336 | 0.369 | 0.402 | 0.436 | 0.469 | 0.503 | 0.536 | 0.570 | 0.603 | 0.636 | 0.670 | 0.703 | 0.737 | 0.770 | 0.804 |
| 90          | 0.218        | 0.247 | 0.276 | 0.306 | 0.335 | 0.364 | 0.393 | 0.423 | 0.452 | 0.481 | 0.511 | 0.540 | 0.569 | 0.599 | 0.628 | 0.657 | 0.686 | 0.716 | 0.745 | 0.774 | 0.804 |
| 95          | 0.384        | 0.405 | 0.426 | 0.447 | 0.468 | 0.489 | 0.510 | 0.531 | 0.552 | 0.573 | 0.594 | 0.615 | 0.636 | 0.657 | 0.678 | 0.699 | 0.720 | 0.741 | 0.762 | 0.783 | 0.804 |
| 98          | 0.586        | 0.597 | 0.608 | 0.619 | 0.630 | 0.640 | 0.651 | 0.662 | 0.673 | 0.684 | 0.695 | 0.706 | 0.717 | 0.727 | 0.738 | 0.749 | 0.760 | 0.771 | 0.782 | 0.793 | 0.804 |

Combined Runoff C Values for the IRL Watershed for the Month of March

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.003        | 0.044 | 0.085 | 0.126 | 0.167 | 0.208 | 0.249 | 0.290 | 0.331 | 0.372 | 0.413 | 0.454 | 0.495 | 0.536 | 0.577 | 0.618 | 0.659 | 0.700 | 0.741 | 0.782 | 0.823 |
| 35          | 0.005        | 0.046 | 0.087 | 0.128 | 0.169 | 0.210 | 0.251 | 0.291 | 0.332 | 0.373 | 0.414 | 0.455 | 0.496 | 0.537 | 0.577 | 0.618 | 0.659 | 0.700 | 0.741 | 0.782 | 0.823 |
| 40          | 0.008        | 0.048 | 0.089 | 0.130 | 0.171 | 0.211 | 0.252 | 0.293 | 0.334 | 0.374 | 0.415 | 0.456 | 0.497 | 0.537 | 0.578 | 0.619 | 0.660 | 0.700 | 0.741 | 0.782 | 0.823 |
| 45          | 0.011        | 0.051 | 0.092 | 0.132 | 0.173 | 0.214 | 0.254 | 0.295 | 0.335 | 0.376 | 0.417 | 0.457 | 0.498 | 0.538 | 0.579 | 0.620 | 0.660 | 0.701 | 0.741 | 0.782 | 0.823 |
| 50          | 0.014        | 0.055 | 0.095 | 0.136 | 0.176 | 0.216 | 0.257 | 0.297 | 0.338 | 0.378 | 0.418 | 0.459 | 0.499 | 0.540 | 0.580 | 0.621 | 0.661 | 0.701 | 0.742 | 0.782 | 0.823 |
| 55          | 0.019        | 0.059 | 0.100 | 0.140 | 0.180 | 0.220 | 0.260 | 0.300 | 0.341 | 0.381 | 0.421 | 0.461 | 0.501 | 0.541 | 0.582 | 0.622 | 0.662 | 0.702 | 0.742 | 0.782 | 0.823 |
| 60          | 0.026        | 0.065 | 0.105 | 0.145 | 0.185 | 0.225 | 0.265 | 0.305 | 0.344 | 0.384 | 0.424 | 0.464 | 0.504 | 0.544 | 0.583 | 0.623 | 0.663 | 0.703 | 0.743 | 0.783 | 0.823 |
| 65          | 0.034        | 0.073 | 0.113 | 0.152 | 0.192 | 0.231 | 0.271 | 0.310 | 0.349 | 0.389 | 0.428 | 0.468 | 0.507 | 0.547 | 0.586 | 0.625 | 0.665 | 0.704 | 0.744 | 0.783 | 0.823 |
| 70          | 0.045        | 0.084 | 0.123 | 0.162 | 0.201 | 0.239 | 0.278 | 0.317 | 0.356 | 0.395 | 0.434 | 0.473 | 0.512 | 0.550 | 0.589 | 0.628 | 0.667 | 0.706 | 0.745 | 0.784 | 0.823 |
| 75          | 0.061        | 0.099 | 0.138 | 0.176 | 0.214 | 0.252 | 0.290 | 0.328 | 0.366 | 0.404 | 0.442 | 0.480 | 0.518 | 0.556 | 0.594 | 0.632 | 0.670 | 0.708 | 0.746 | 0.785 | 0.823 |
| 80          | 0.087        | 0.124 | 0.160 | 0.197 | 0.234 | 0.271 | 0.308 | 0.344 | 0.381 | 0.418 | 0.455 | 0.492 | 0.528 | 0.565 | 0.602 | 0.639 | 0.675 | 0.712 | 0.749 | 0.786 | 0.823 |
| 85          | 0.130        | 0.164 | 0.199 | 0.234 | 0.268 | 0.303 | 0.338 | 0.372 | 0.407 | 0.441 | 0.476 | 0.511 | 0.545 | 0.580 | 0.615 | 0.649 | 0.684 | 0.719 | 0.753 | 0.788 | 0.823 |
| 90          | 0.208        | 0.239 | 0.270 | 0.300 | 0.331 | 0.362 | 0.392 | 0.423 | 0.454 | 0.485 | 0.515 | 0.546 | 0.577 | 0.608 | 0.638 | 0.669 | 0.700 | 0.730 | 0.761 | 0.792 | 0.823 |
| 95          | 0.374        | 0.396 | 0.419 | 0.441 | 0.464 | 0.486 | 0.508 | 0.531 | 0.553 | 0.576 | 0.598 | 0.621 | 0.643 | 0.666 | 0.688 | 0.710 | 0.733 | 0.755 | 0.778 | 0.800 | 0.823 |
| 98          | 0.587        | 0.599 | 0.611 | 0.622 | 0.634 | 0.646 | 0.658 | 0.670 | 0.681 | 0.693 | 0.705 | 0.717 | 0.728 | 0.740 | 0.752 | 0.764 | 0.776 | 0.787 | 0.799 | 0.811 | 0.823 |

Combined Runoff C Values for the IRL Watershed for the Month of April

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.080 | 0.120 | 0.160 | 0.200 | 0.241 | 0.281 | 0.321 | 0.361 | 0.401 | 0.441 | 0.481 | 0.521 | 0.561 | 0.601 | 0.641 | 0.682 | 0.722 | 0.762 | 0.802 |
| 35          | 0.000        | 0.040 | 0.081 | 0.121 | 0.161 | 0.201 | 0.241 | 0.281 | 0.321 | 0.361 | 0.401 | 0.441 | 0.481 | 0.521 | 0.561 | 0.601 | 0.641 | 0.682 | 0.722 | 0.762 | 0.802 |
| 40          | 0.001        | 0.041 | 0.081 | 0.121 | 0.161 | 0.201 | 0.241 | 0.281 | 0.321 | 0.361 | 0.401 | 0.441 | 0.481 | 0.521 | 0.562 | 0.602 | 0.642 | 0.682 | 0.722 | 0.762 | 0.802 |
| 45          | 0.002        | 0.042 | 0.082 | 0.122 | 0.162 | 0.202 | 0.242 | 0.282 | 0.322 | 0.362 | 0.402 | 0.442 | 0.482 | 0.522 | 0.562 | 0.602 | 0.642 | 0.682 | 0.722 | 0.762 | 0.802 |
| 50          | 0.003        | 0.043 | 0.083 | 0.123 | 0.163 | 0.203 | 0.243 | 0.283 | 0.323 | 0.362 | 0.402 | 0.442 | 0.482 | 0.522 | 0.562 | 0.602 | 0.642 | 0.682 | 0.722 | 0.762 | 0.802 |
| 55          | 0.005        | 0.045 | 0.084 | 0.124 | 0.164 | 0.204 | 0.244 | 0.284 | 0.324 | 0.363 | 0.403 | 0.443 | 0.483 | 0.523 | 0.563 | 0.603 | 0.642 | 0.682 | 0.722 | 0.762 | 0.802 |
| 60          | 0.008        | 0.048 | 0.087 | 0.127 | 0.167 | 0.206 | 0.246 | 0.286 | 0.325 | 0.365 | 0.405 | 0.445 | 0.484 | 0.524 | 0.564 | 0.603 | 0.643 | 0.683 | 0.722 | 0.762 | 0.802 |
| 65          | 0.013        | 0.053 | 0.092 | 0.131 | 0.171 | 0.210 | 0.250 | 0.289 | 0.329 | 0.368 | 0.407 | 0.447 | 0.486 | 0.526 | 0.565 | 0.605 | 0.644 | 0.683 | 0.723 | 0.762 | 0.802 |
| 70          | 0.021        | 0.060 | 0.099 | 0.138 | 0.177 | 0.216 | 0.255 | 0.294 | 0.334 | 0.373 | 0.412 | 0.451 | 0.490 | 0.529 | 0.568 | 0.607 | 0.646 | 0.685 | 0.724 | 0.763 | 0.802 |
| 75          | 0.034        | 0.073 | 0.111 | 0.150 | 0.188 | 0.226 | 0.265 | 0.303 | 0.341 | 0.380 | 0.418 | 0.456 | 0.495 | 0.533 | 0.572 | 0.610 | 0.648 | 0.687 | 0.725 | 0.763 | 0.802 |
| 80          | 0.056        | 0.094 | 0.131 | 0.168 | 0.206 | 0.243 | 0.280 | 0.317 | 0.355 | 0.392 | 0.429 | 0.466 | 0.504 | 0.541 | 0.578 | 0.615 | 0.653 | 0.690 | 0.727 | 0.764 | 0.802 |
| 85          | 0.095        | 0.130 | 0.166 | 0.201 | 0.236 | 0.272 | 0.307 | 0.342 | 0.378 | 0.413 | 0.448 | 0.484 | 0.519 | 0.554 | 0.590 | 0.625 | 0.660 | 0.696 | 0.731 | 0.766 | 0.802 |
| 90          | 0.168        | 0.200 | 0.232 | 0.263 | 0.295 | 0.327 | 0.358 | 0.390 | 0.422 | 0.453 | 0.485 | 0.517 | 0.548 | 0.580 | 0.612 | 0.643 | 0.675 | 0.707 | 0.738 | 0.770 | 0.802 |
| 95          | 0.329        | 0.352 | 0.376 | 0.400 | 0.423 | 0.447 | 0.471 | 0.494 | 0.518 | 0.542 | 0.565 | 0.589 | 0.613 | 0.636 | 0.660 | 0.683 | 0.707 | 0.731 | 0.754 | 0.778 | 0.802 |
| 98          | 0.547        | 0.560 | 0.573 | 0.586 | 0.598 | 0.611 | 0.624 | 0.636 | 0.649 | 0.662 | 0.675 | 0.687 | 0.700 | 0.713 | 0.725 | 0.738 | 0.751 | 0.764 | 0.776 | 0.789 | 0.802 |

Combined Runoff C Values for the IRL Watershed for the Month of May

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.039 | 0.078 | 0.117 | 0.156 | 0.195 | 0.235 | 0.274 | 0.313 | 0.352 | 0.391 | 0.430 | 0.469 | 0.508 | 0.547 | 0.586 | 0.626 | 0.665 | 0.704 | 0.743 | 0.782 |
| 35          | 0.000        | 0.039 | 0.078 | 0.117 | 0.156 | 0.196 | 0.235 | 0.274 | 0.313 | 0.352 | 0.391 | 0.430 | 0.469 | 0.508 | 0.547 | 0.586 | 0.626 | 0.665 | 0.704 | 0.743 | 0.782 |
| 40          | 0.000        | 0.039 | 0.078 | 0.117 | 0.157 | 0.196 | 0.235 | 0.274 | 0.313 | 0.352 | 0.391 | 0.430 | 0.469 | 0.508 | 0.547 | 0.587 | 0.626 | 0.665 | 0.704 | 0.743 | 0.782 |
| 45          | 0.001        | 0.040 | 0.079 | 0.118 | 0.157 | 0.196 | 0.235 | 0.274 | 0.313 | 0.352 | 0.391 | 0.430 | 0.469 | 0.509 | 0.548 | 0.587 | 0.626 | 0.665 | 0.704 | 0.743 | 0.782 |
| 50          | 0.002        | 0.041 | 0.080 | 0.119 | 0.158 | 0.197 | 0.236 | 0.275 | 0.314 | 0.353 | 0.392 | 0.431 | 0.470 | 0.509 | 0.548 | 0.587 | 0.626 | 0.665 | 0.704 | 0.743 | 0.782 |
| 55          | 0.004        | 0.043 | 0.082 | 0.121 | 0.160 | 0.198 | 0.237 | 0.276 | 0.315 | 0.354 | 0.393 | 0.432 | 0.471 | 0.510 | 0.549 | 0.587 | 0.626 | 0.665 | 0.704 | 0.743 | 0.782 |
| 60          | 0.008        | 0.046 | 0.085 | 0.124 | 0.163 | 0.201 | 0.240 | 0.279 | 0.317 | 0.356 | 0.395 | 0.434 | 0.472 | 0.511 | 0.550 | 0.588 | 0.627 | 0.666 | 0.705 | 0.743 | 0.782 |
| 65          | 0.013        | 0.052 | 0.090 | 0.129 | 0.167 | 0.205 | 0.244 | 0.282 | 0.321 | 0.359 | 0.398 | 0.436 | 0.474 | 0.513 | 0.551 | 0.590 | 0.628 | 0.667 | 0.705 | 0.744 | 0.782 |
| 70          | 0.022        | 0.060 | 0.098 | 0.136 | 0.174 | 0.212 | 0.250 | 0.288 | 0.326 | 0.364 | 0.402 | 0.440 | 0.478 | 0.516 | 0.554 | 0.592 | 0.630 | 0.668 | 0.706 | 0.744 | 0.782 |
| 75          | 0.035        | 0.073 | 0.110 | 0.147 | 0.185 | 0.222 | 0.259 | 0.297 | 0.334 | 0.371 | 0.409 | 0.446 | 0.483 | 0.521 | 0.558 | 0.595 | 0.633 | 0.670 | 0.707 | 0.745 | 0.782 |
| 80          | 0.058        | 0.094 | 0.130 | 0.167 | 0.203 | 0.239 | 0.275 | 0.311 | 0.348 | 0.384 | 0.420 | 0.456 | 0.492 | 0.529 | 0.565 | 0.601 | 0.637 | 0.673 | 0.710 | 0.746 | 0.782 |
| 85          | 0.097        | 0.131 | 0.165 | 0.200 | 0.234 | 0.268 | 0.302 | 0.337 | 0.371 | 0.405 | 0.439 | 0.474 | 0.508 | 0.542 | 0.576 | 0.611 | 0.645 | 0.679 | 0.713 | 0.748 | 0.782 |
| 90          | 0.169        | 0.199 | 0.230 | 0.261 | 0.291 | 0.322 | 0.353 | 0.383 | 0.414 | 0.445 | 0.475 | 0.506 | 0.537 | 0.567 | 0.598 | 0.629 | 0.659 | 0.690 | 0.721 | 0.751 | 0.782 |
| 95          | 0.324        | 0.347 | 0.369 | 0.392 | 0.415 | 0.438 | 0.461 | 0.484 | 0.507 | 0.530 | 0.553 | 0.576 | 0.599 | 0.622 | 0.644 | 0.667 | 0.690 | 0.713 | 0.736 | 0.759 | 0.782 |
| 98          | 0.531        | 0.544 | 0.556 | 0.569 | 0.582 | 0.594 | 0.607 | 0.619 | 0.632 | 0.644 | 0.657 | 0.669 | 0.682 | 0.694 | 0.707 | 0.719 | 0.732 | 0.744 | 0.757 | 0.769 | 0.782 |

Combined Runoff C Values for the IRL Watershed for the Month of June

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.002        | 0.042 | 0.082 | 0.123 | 0.163 | 0.204 | 0.244 | 0.285 | 0.325 | 0.366 | 0.406 | 0.447 | 0.487 | 0.527 | 0.568 | 0.608 | 0.649 | 0.689 | 0.730 | 0.770 | 0.811 |
| 35          | 0.003        | 0.044 | 0.084 | 0.124 | 0.165 | 0.205 | 0.245 | 0.286 | 0.326 | 0.367 | 0.407 | 0.447 | 0.488 | 0.528 | 0.568 | 0.609 | 0.649 | 0.689 | 0.730 | 0.770 | 0.811 |
| 40          | 0.006        | 0.046 | 0.086 | 0.126 | 0.167 | 0.207 | 0.247 | 0.287 | 0.328 | 0.368 | 0.408 | 0.448 | 0.489 | 0.529 | 0.569 | 0.609 | 0.650 | 0.690 | 0.730 | 0.770 | 0.811 |
| 45          | 0.009        | 0.049 | 0.089 | 0.130 | 0.170 | 0.210 | 0.250 | 0.290 | 0.330 | 0.370 | 0.410 | 0.450 | 0.490 | 0.530 | 0.570 | 0.610 | 0.650 | 0.690 | 0.730 | 0.771 | 0.811 |
| 50          | 0.015        | 0.055 | 0.094 | 0.134 | 0.174 | 0.214 | 0.254 | 0.293 | 0.333 | 0.373 | 0.413 | 0.452 | 0.492 | 0.532 | 0.572 | 0.612 | 0.651 | 0.691 | 0.731 | 0.771 | 0.811 |
| 55          | 0.022        | 0.062 | 0.101 | 0.141 | 0.180 | 0.219 | 0.259 | 0.298 | 0.338 | 0.377 | 0.417 | 0.456 | 0.495 | 0.535 | 0.574 | 0.614 | 0.653 | 0.692 | 0.732 | 0.771 | 0.811 |
| 60          | 0.033        | 0.072 | 0.111 | 0.150 | 0.189 | 0.227 | 0.266 | 0.305 | 0.344 | 0.383 | 0.422 | 0.461 | 0.500 | 0.538 | 0.577 | 0.616 | 0.655 | 0.694 | 0.733 | 0.772 | 0.811 |
| 65          | 0.047        | 0.085 | 0.123 | 0.161 | 0.200 | 0.238 | 0.276 | 0.314 | 0.352 | 0.391 | 0.429 | 0.467 | 0.505 | 0.543 | 0.581 | 0.620 | 0.658 | 0.696 | 0.734 | 0.772 | 0.811 |
| 70          | 0.065        | 0.103 | 0.140 | 0.177 | 0.214 | 0.252 | 0.289 | 0.326 | 0.363 | 0.401 | 0.438 | 0.475 | 0.513 | 0.550 | 0.587 | 0.624 | 0.662 | 0.699 | 0.736 | 0.773 | 0.811 |
| 75          | 0.090        | 0.126 | 0.162 | 0.198 | 0.234 | 0.270 | 0.306 | 0.342 | 0.378 | 0.414 | 0.451 | 0.487 | 0.523 | 0.559 | 0.595 | 0.631 | 0.667 | 0.703 | 0.739 | 0.775 | 0.811 |
| 80          | 0.125        | 0.160 | 0.194 | 0.228 | 0.262 | 0.297 | 0.331 | 0.365 | 0.399 | 0.434 | 0.468 | 0.502 | 0.536 | 0.571 | 0.605 | 0.639 | 0.674 | 0.708 | 0.742 | 0.776 | 0.811 |
| 85          | 0.177        | 0.209 | 0.240 | 0.272 | 0.304 | 0.335 | 0.367 | 0.399 | 0.430 | 0.462 | 0.494 | 0.525 | 0.557 | 0.589 | 0.621 | 0.652 | 0.684 | 0.716 | 0.747 | 0.779 | 0.811 |
| 90          | 0.261        | 0.289 | 0.316 | 0.343 | 0.371 | 0.398 | 0.426 | 0.453 | 0.481 | 0.508 | 0.536 | 0.563 | 0.591 | 0.618 | 0.646 | 0.673 | 0.701 | 0.728 | 0.756 | 0.783 | 0.811 |
| 95          | 0.422        | 0.442 | 0.461 | 0.481 | 0.500 | 0.519 | 0.539 | 0.558 | 0.578 | 0.597 | 0.616 | 0.636 | 0.655 | 0.675 | 0.694 | 0.714 | 0.733 | 0.752 | 0.772 | 0.791 | 0.811 |
| 98          | 0.603        | 0.613 | 0.624 | 0.634 | 0.645 | 0.655 | 0.665 | 0.676 | 0.686 | 0.696 | 0.707 | 0.717 | 0.728 | 0.738 | 0.748 | 0.759 | 0.769 | 0.779 | 0.790 | 0.800 | 0.811 |

Combined Runoff C Values for the IRL Watershed for the Month of July

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.000        | 0.040 | 0.080 | 0.120 | 0.160 | 0.200 | 0.240 | 0.280 | 0.320 | 0.360 | 0.399 | 0.439 | 0.479 | 0.519 | 0.559 | 0.599 | 0.639 | 0.679 | 0.719 | 0.759 | 0.799 |
| 35          | 0.001        | 0.041 | 0.081 | 0.121 | 0.161 | 0.200 | 0.240 | 0.280 | 0.320 | 0.360 | 0.400 | 0.440 | 0.480 | 0.519 | 0.559 | 0.599 | 0.639 | 0.679 | 0.719 | 0.759 | 0.799 |
| 40          | 0.003        | 0.042 | 0.082 | 0.122 | 0.162 | 0.202 | 0.241 | 0.281 | 0.321 | 0.361 | 0.401 | 0.440 | 0.480 | 0.520 | 0.560 | 0.600 | 0.639 | 0.679 | 0.719 | 0.759 | 0.799 |
| 45          | 0.005        | 0.045 | 0.084 | 0.124 | 0.164 | 0.204 | 0.243 | 0.283 | 0.323 | 0.362 | 0.402 | 0.442 | 0.481 | 0.521 | 0.561 | 0.600 | 0.640 | 0.680 | 0.719 | 0.759 | 0.799 |
| 50          | 0.009        | 0.048 | 0.088 | 0.127 | 0.167 | 0.206 | 0.246 | 0.285 | 0.325 | 0.364 | 0.404 | 0.443 | 0.483 | 0.522 | 0.562 | 0.601 | 0.641 | 0.680 | 0.720 | 0.759 | 0.799 |
| 55          | 0.014        | 0.053 | 0.092 | 0.132 | 0.171 | 0.210 | 0.249 | 0.289 | 0.328 | 0.367 | 0.406 | 0.446 | 0.485 | 0.524 | 0.563 | 0.602 | 0.642 | 0.681 | 0.720 | 0.759 | 0.799 |
| 60          | 0.021        | 0.060 | 0.098 | 0.137 | 0.176 | 0.215 | 0.254 | 0.293 | 0.332 | 0.371 | 0.410 | 0.449 | 0.487 | 0.526 | 0.565 | 0.604 | 0.643 | 0.682 | 0.721 | 0.760 | 0.799 |
| 65          | 0.030        | 0.068 | 0.107 | 0.145 | 0.183 | 0.222 | 0.260 | 0.299 | 0.337 | 0.376 | 0.414 | 0.453 | 0.491 | 0.529 | 0.568 | 0.606 | 0.645 | 0.683 | 0.722 | 0.760 | 0.799 |
| 70          | 0.042        | 0.080 | 0.118 | 0.156 | 0.194 | 0.231 | 0.269 | 0.307 | 0.345 | 0.383 | 0.421 | 0.458 | 0.496 | 0.534 | 0.572 | 0.610 | 0.647 | 0.685 | 0.723 | 0.761 | 0.799 |
| 75          | 0.061        | 0.098 | 0.135 | 0.172 | 0.209 | 0.245 | 0.282 | 0.319 | 0.356 | 0.393 | 0.430 | 0.467 | 0.504 | 0.540 | 0.577 | 0.614 | 0.651 | 0.688 | 0.725 | 0.762 | 0.799 |
| 80          | 0.089        | 0.124 | 0.160 | 0.195 | 0.231 | 0.266 | 0.302 | 0.337 | 0.373 | 0.408 | 0.444 | 0.479 | 0.515 | 0.550 | 0.586 | 0.621 | 0.657 | 0.692 | 0.728 | 0.763 | 0.799 |
| 85          | 0.133        | 0.166 | 0.200 | 0.233 | 0.266 | 0.300 | 0.333 | 0.366 | 0.399 | 0.433 | 0.466 | 0.499 | 0.532 | 0.566 | 0.599 | 0.632 | 0.665 | 0.699 | 0.732 | 0.765 | 0.799 |
| 90          | 0.211        | 0.241 | 0.270 | 0.299 | 0.329 | 0.358 | 0.387 | 0.417 | 0.446 | 0.475 | 0.505 | 0.534 | 0.564 | 0.593 | 0.622 | 0.652 | 0.681 | 0.710 | 0.740 | 0.769 | 0.799 |
| 95          | 0.372        | 0.394 | 0.415 | 0.436 | 0.458 | 0.479 | 0.500 | 0.522 | 0.543 | 0.564 | 0.586 | 0.607 | 0.628 | 0.649 | 0.671 | 0.692 | 0.713 | 0.735 | 0.756 | 0.777 | 0.799 |
| 98          | 0.569        | 0.580 | 0.592 | 0.603 | 0.615 | 0.626 | 0.638 | 0.649 | 0.661 | 0.672 | 0.684 | 0.695 | 0.707 | 0.718 | 0.730 | 0.741 | 0.753 | 0.764 | 0.776 | 0.787 | 0.799 |

Combined Runoff C Values for the IRL Watershed for the Month of August

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.001        | 0.041 | 0.081 | 0.121 | 0.161 | 0.201 | 0.240 | 0.280 | 0.320 | 0.360 | 0.400 | 0.440 | 0.480 | 0.520 | 0.560 | 0.600 | 0.640 | 0.680 | 0.720 | 0.760 | 0.800 |
| 35          | 0.002        | 0.042 | 0.082 | 0.122 | 0.161 | 0.201 | 0.241 | 0.281 | 0.321 | 0.361 | 0.401 | 0.441 | 0.481 | 0.521 | 0.560 | 0.600 | 0.640 | 0.680 | 0.720 | 0.760 | 0.800 |
| 40          | 0.004        | 0.044 | 0.083 | 0.123 | 0.163 | 0.203 | 0.243 | 0.282 | 0.322 | 0.362 | 0.402 | 0.442 | 0.481 | 0.521 | 0.561 | 0.601 | 0.641 | 0.680 | 0.720 | 0.760 | 0.800 |
| 45          | 0.007        | 0.046 | 0.086 | 0.126 | 0.165 | 0.205 | 0.245 | 0.284 | 0.324 | 0.364 | 0.403 | 0.443 | 0.483 | 0.522 | 0.562 | 0.602 | 0.641 | 0.681 | 0.720 | 0.760 | 0.800 |
| 50          | 0.011        | 0.051 | 0.090 | 0.129 | 0.169 | 0.208 | 0.248 | 0.287 | 0.327 | 0.366 | 0.405 | 0.445 | 0.484 | 0.524 | 0.563 | 0.603 | 0.642 | 0.681 | 0.721 | 0.760 | 0.800 |
| 55          | 0.017        | 0.056 | 0.095 | 0.134 | 0.174 | 0.213 | 0.252 | 0.291 | 0.330 | 0.369 | 0.408 | 0.448 | 0.487 | 0.526 | 0.565 | 0.604 | 0.643 | 0.682 | 0.721 | 0.761 | 0.800 |
| 60          | 0.025        | 0.064 | 0.103 | 0.141 | 0.180 | 0.219 | 0.257 | 0.296 | 0.335 | 0.374 | 0.412 | 0.451 | 0.490 | 0.529 | 0.567 | 0.606 | 0.645 | 0.684 | 0.722 | 0.761 | 0.800 |
| 65          | 0.036        | 0.074 | 0.112 | 0.150 | 0.189 | 0.227 | 0.265 | 0.303 | 0.341 | 0.380 | 0.418 | 0.456 | 0.494 | 0.532 | 0.571 | 0.609 | 0.647 | 0.685 | 0.723 | 0.762 | 0.800 |
| 70          | 0.050        | 0.088 | 0.125 | 0.163 | 0.200 | 0.238 | 0.275 | 0.313 | 0.350 | 0.388 | 0.425 | 0.462 | 0.500 | 0.537 | 0.575 | 0.612 | 0.650 | 0.687 | 0.725 | 0.762 | 0.800 |
| 75          | 0.070        | 0.107 | 0.143 | 0.180 | 0.216 | 0.253 | 0.289 | 0.326 | 0.362 | 0.399 | 0.435 | 0.472 | 0.508 | 0.544 | 0.581 | 0.617 | 0.654 | 0.690 | 0.727 | 0.763 | 0.800 |
| 80          | 0.100        | 0.135 | 0.170 | 0.205 | 0.240 | 0.275 | 0.310 | 0.345 | 0.380 | 0.415 | 0.450 | 0.485 | 0.520 | 0.555 | 0.590 | 0.625 | 0.660 | 0.695 | 0.730 | 0.765 | 0.800 |
| 85          | 0.146        | 0.179 | 0.212 | 0.244 | 0.277 | 0.310 | 0.342 | 0.375 | 0.408 | 0.440 | 0.473 | 0.506 | 0.538 | 0.571 | 0.604 | 0.636 | 0.669 | 0.702 | 0.734 | 0.767 | 0.800 |
| 90          | 0.226        | 0.254 | 0.283 | 0.312 | 0.340 | 0.369 | 0.398 | 0.427 | 0.455 | 0.484 | 0.513 | 0.541 | 0.570 | 0.599 | 0.628 | 0.656 | 0.685 | 0.714 | 0.742 | 0.771 | 0.800 |
| 95          | 0.385        | 0.406 | 0.427 | 0.447 | 0.468 | 0.489 | 0.510 | 0.530 | 0.551 | 0.572 | 0.592 | 0.613 | 0.634 | 0.655 | 0.675 | 0.696 | 0.717 | 0.738 | 0.758 | 0.779 | 0.800 |
| 98          | 0.577        | 0.588 | 0.599 | 0.610 | 0.621 | 0.633 | 0.644 | 0.655 | 0.666 | 0.677 | 0.688 | 0.699 | 0.711 | 0.722 | 0.733 | 0.744 | 0.755 | 0.766 | 0.777 | 0.789 | 0.800 |

Combined Runoff C Values for the IRL Watershed for the Month of September

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.006        | 0.047 | 0.088 | 0.129 | 0.171 | 0.212 | 0.253 | 0.294 | 0.335 | 0.376 | 0.417 | 0.458 | 0.499 | 0.540 | 0.581 | 0.622 | 0.663 | 0.705 | 0.746 | 0.787 | 0.828 |
| 35          | 0.010        | 0.051 | 0.092 | 0.133 | 0.174 | 0.215 | 0.256 | 0.296 | 0.337 | 0.378 | 0.419 | 0.460 | 0.501 | 0.542 | 0.583 | 0.623 | 0.664 | 0.705 | 0.746 | 0.787 | 0.828 |
| 40          | 0.016        | 0.057 | 0.097 | 0.138 | 0.178 | 0.219 | 0.260 | 0.300 | 0.341 | 0.381 | 0.422 | 0.463 | 0.503 | 0.544 | 0.584 | 0.625 | 0.665 | 0.706 | 0.747 | 0.787 | 0.828 |
| 45          | 0.023        | 0.064 | 0.104 | 0.144 | 0.184 | 0.224 | 0.265 | 0.305 | 0.345 | 0.385 | 0.426 | 0.466 | 0.506 | 0.546 | 0.586 | 0.627 | 0.667 | 0.707 | 0.747 | 0.788 | 0.828 |
| 50          | 0.032        | 0.072 | 0.112 | 0.152 | 0.192 | 0.231 | 0.271 | 0.311 | 0.351 | 0.390 | 0.430 | 0.470 | 0.510 | 0.549 | 0.589 | 0.629 | 0.669 | 0.709 | 0.748 | 0.788 | 0.828 |
| 55          | 0.043        | 0.083 | 0.122 | 0.161 | 0.200 | 0.240 | 0.279 | 0.318 | 0.357 | 0.396 | 0.436 | 0.475 | 0.514 | 0.553 | 0.593 | 0.632 | 0.671 | 0.710 | 0.749 | 0.789 | 0.828 |
| 60          | 0.057        | 0.095 | 0.134 | 0.173 | 0.211 | 0.250 | 0.288 | 0.327 | 0.365 | 0.404 | 0.442 | 0.481 | 0.519 | 0.558 | 0.597 | 0.635 | 0.674 | 0.712 | 0.751 | 0.789 | 0.828 |
| 65          | 0.074        | 0.112 | 0.149 | 0.187 | 0.225 | 0.262 | 0.300 | 0.338 | 0.375 | 0.413 | 0.451 | 0.489 | 0.526 | 0.564 | 0.602 | 0.639 | 0.677 | 0.715 | 0.752 | 0.790 | 0.828 |
| 70          | 0.096        | 0.132 | 0.169 | 0.205 | 0.242 | 0.279 | 0.315 | 0.352 | 0.389 | 0.425 | 0.462 | 0.498 | 0.535 | 0.572 | 0.608 | 0.645 | 0.681 | 0.718 | 0.755 | 0.791 | 0.828 |
| 75          | 0.124        | 0.160 | 0.195 | 0.230 | 0.265 | 0.300 | 0.335 | 0.371 | 0.406 | 0.441 | 0.476 | 0.511 | 0.546 | 0.582 | 0.617 | 0.652 | 0.687 | 0.722 | 0.757 | 0.793 | 0.828 |
| 80          | 0.164        | 0.197 | 0.230 | 0.263 | 0.296 | 0.330 | 0.363 | 0.396 | 0.429 | 0.462 | 0.496 | 0.529 | 0.562 | 0.595 | 0.629 | 0.662 | 0.695 | 0.728 | 0.761 | 0.795 | 0.828 |
| 85          | 0.220        | 0.250 | 0.281 | 0.311 | 0.341 | 0.372 | 0.402 | 0.433 | 0.463 | 0.493 | 0.524 | 0.554 | 0.585 | 0.615 | 0.645 | 0.676 | 0.706 | 0.737 | 0.767 | 0.797 | 0.828 |
| 90          | 0.307        | 0.333 | 0.359 | 0.385 | 0.411 | 0.437 | 0.463 | 0.489 | 0.515 | 0.541 | 0.567 | 0.593 | 0.619 | 0.646 | 0.672 | 0.698 | 0.724 | 0.750 | 0.776 | 0.802 | 0.828 |
| 95          | 0.464        | 0.482 | 0.501 | 0.519 | 0.537 | 0.555 | 0.573 | 0.591 | 0.610 | 0.628 | 0.646 | 0.664 | 0.682 | 0.701 | 0.719 | 0.737 | 0.755 | 0.773 | 0.791 | 0.810 | 0.828 |
| 98          | 0.636        | 0.645 | 0.655 | 0.664 | 0.674 | 0.684 | 0.693 | 0.703 | 0.712 | 0.722 | 0.732 | 0.741 | 0.751 | 0.761 | 0.770 | 0.780 | 0.789 | 0.799 | 0.809 | 0.818 | 0.828 |

Combined Runoff C Values for the IRL Watershed for the Month of October

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.013        | 0.053 | 0.093 | 0.134 | 0.174 | 0.214 | 0.254 | 0.294 | 0.335 | 0.375 | 0.415 | 0.455 | 0.495 | 0.536 | 0.576 | 0.616 | 0.656 | 0.696 | 0.737 | 0.777 | 0.817 |
| 35          | 0.021        | 0.060 | 0.100 | 0.140 | 0.180 | 0.220 | 0.260 | 0.299 | 0.339 | 0.379 | 0.419 | 0.459 | 0.499 | 0.538 | 0.578 | 0.618 | 0.658 | 0.698 | 0.737 | 0.777 | 0.817 |
| 40          | 0.030        | 0.069 | 0.109 | 0.148 | 0.188 | 0.227 | 0.266 | 0.306 | 0.345 | 0.384 | 0.424 | 0.463 | 0.502 | 0.542 | 0.581 | 0.620 | 0.660 | 0.699 | 0.738 | 0.778 | 0.817 |
| 45          | 0.042        | 0.081 | 0.119 | 0.158 | 0.197 | 0.236 | 0.274 | 0.313 | 0.352 | 0.391 | 0.429 | 0.468 | 0.507 | 0.546 | 0.585 | 0.623 | 0.662 | 0.701 | 0.740 | 0.778 | 0.817 |
| 50          | 0.056        | 0.094 | 0.132 | 0.170 | 0.208 | 0.246 | 0.284 | 0.322 | 0.361 | 0.399 | 0.437 | 0.475 | 0.513 | 0.551 | 0.589 | 0.627 | 0.665 | 0.703 | 0.741 | 0.779 | 0.817 |
| 55          | 0.073        | 0.110 | 0.148 | 0.185 | 0.222 | 0.259 | 0.296 | 0.334 | 0.371 | 0.408 | 0.445 | 0.482 | 0.520 | 0.557 | 0.594 | 0.631 | 0.668 | 0.706 | 0.743 | 0.780 | 0.817 |
| 60          | 0.094        | 0.130 | 0.166 | 0.202 | 0.238 | 0.275 | 0.311 | 0.347 | 0.383 | 0.419 | 0.455 | 0.492 | 0.528 | 0.564 | 0.600 | 0.636 | 0.672 | 0.709 | 0.745 | 0.781 | 0.817 |
| 65          | 0.119        | 0.154 | 0.188 | 0.223 | 0.258 | 0.293 | 0.328 | 0.363 | 0.398 | 0.433 | 0.468 | 0.503 | 0.538 | 0.573 | 0.608 | 0.642 | 0.677 | 0.712 | 0.747 | 0.782 | 0.817 |
| 70          | 0.149        | 0.182 | 0.216 | 0.249 | 0.283 | 0.316 | 0.349 | 0.383 | 0.416 | 0.450 | 0.483 | 0.516 | 0.550 | 0.583 | 0.617 | 0.650 | 0.683 | 0.717 | 0.750 | 0.784 | 0.817 |
| 75          | 0.186        | 0.218 | 0.249 | 0.281 | 0.313 | 0.344 | 0.376 | 0.407 | 0.439 | 0.470 | 0.502 | 0.533 | 0.565 | 0.596 | 0.628 | 0.659 | 0.691 | 0.722 | 0.754 | 0.786 | 0.817 |
| 80          | 0.234        | 0.263 | 0.292 | 0.322 | 0.351 | 0.380 | 0.409 | 0.438 | 0.467 | 0.496 | 0.526 | 0.555 | 0.584 | 0.613 | 0.642 | 0.671 | 0.701 | 0.730 | 0.759 | 0.788 | 0.817 |
| 85          | 0.298        | 0.324 | 0.350 | 0.376 | 0.401 | 0.427 | 0.453 | 0.479 | 0.505 | 0.531 | 0.557 | 0.583 | 0.609 | 0.635 | 0.661 | 0.687 | 0.713 | 0.739 | 0.765 | 0.791 | 0.817 |
| 90          | 0.388        | 0.409 | 0.431 | 0.452 | 0.474 | 0.495 | 0.517 | 0.538 | 0.560 | 0.581 | 0.603 | 0.624 | 0.645 | 0.667 | 0.688 | 0.710 | 0.731 | 0.753 | 0.774 | 0.796 | 0.817 |
| 95          | 0.537        | 0.551 | 0.565 | 0.579 | 0.593 | 0.607 | 0.621 | 0.635 | 0.649 | 0.663 | 0.677 | 0.691 | 0.705 | 0.719 | 0.733 | 0.747 | 0.761 | 0.775 | 0.789 | 0.803 | 0.817 |
| 98          | 0.668        | 0.676 | 0.683 | 0.691 | 0.698 | 0.706 | 0.713 | 0.720 | 0.728 | 0.735 | 0.743 | 0.750 | 0.758 | 0.765 | 0.773 | 0.780 | 0.787 | 0.795 | 0.802 | 0.810 | 0.817 |

| NDCIA<br>CN | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|             | 0            | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30          | 0.013        | 0.052 | 0.091 | 0.130 | 0.169 | 0.208 | 0.247 | 0.286 | 0.325 | 0.364 | 0.403 | 0.442 | 0.481 | 0.519 | 0.558 | 0.597 | 0.636 | 0.675 | 0.714 | 0.753 | 0.792 |
| 35          | 0.019        | 0.057 | 0.096 | 0.135 | 0.173 | 0.212 | 0.251 | 0.289 | 0.328 | 0.367 | 0.406 | 0.444 | 0.483 | 0.522 | 0.560 | 0.599 | 0.638 | 0.676 | 0.715 | 0.754 | 0.792 |
| 40          | 0.026        | 0.064 | 0.102 | 0.141 | 0.179 | 0.217 | 0.256 | 0.294 | 0.332 | 0.371 | 0.409 | 0.447 | 0.486 | 0.524 | 0.562 | 0.601 | 0.639 | 0.677 | 0.716 | 0.754 | 0.792 |
| 45          | 0.034        | 0.072 | 0.110 | 0.148 | 0.186 | 0.224 | 0.262 | 0.300 | 0.338 | 0.375 | 0.413 | 0.451 | 0.489 | 0.527 | 0.565 | 0.603 | 0.641 | 0.679 | 0.717 | 0.755 | 0.792 |
| 50          | 0.044        | 0.082 | 0.119 | 0.156 | 0.194 | 0.231 | 0.269 | 0.306 | 0.343 | 0.381 | 0.418 | 0.456 | 0.493 | 0.531 | 0.568 | 0.605 | 0.643 | 0.680 | 0.718 | 0.755 | 0.792 |
| 55          | 0.056        | 0.093 | 0.130 | 0.167 | 0.203 | 0.240 | 0.277 | 0.314 | 0.351 | 0.387 | 0.424 | 0.461 | 0.498 | 0.535 | 0.572 | 0.608 | 0.645 | 0.682 | 0.719 | 0.756 | 0.792 |
| 60          | 0.070        | 0.106 | 0.142 | 0.179 | 0.215 | 0.251 | 0.287 | 0.323 | 0.359 | 0.395 | 0.431 | 0.467 | 0.504 | 0.540 | 0.576 | 0.612 | 0.648 | 0.684 | 0.720 | 0.756 | 0.792 |
| 65          | 0.087        | 0.122 | 0.158 | 0.193 | 0.228 | 0.264 | 0.299 | 0.334 | 0.369 | 0.405 | 0.440 | 0.475 | 0.510 | 0.546 | 0.581 | 0.616 | 0.651 | 0.687 | 0.722 | 0.757 | 0.792 |
| 70          | 0.108        | 0.142 | 0.177 | 0.211 | 0.245 | 0.279 | 0.313 | 0.348 | 0.382 | 0.416 | 0.450 | 0.484 | 0.519 | 0.553 | 0.587 | 0.621 | 0.656 | 0.690 | 0.724 | 0.758 | 0.792 |
| 75          | 0.134        | 0.167 | 0.200 | 0.233 | 0.266 | 0.299 | 0.332 | 0.365 | 0.398 | 0.431 | 0.463 | 0.496 | 0.529 | 0.562 | 0.595 | 0.628 | 0.661 | 0.694 | 0.727 | 0.760 | 0.792 |
| 80          | 0.169        | 0.201 | 0.232 | 0.263 | 0.294 | 0.325 | 0.356 | 0.387 | 0.419 | 0.450 | 0.481 | 0.512 | 0.543 | 0.574 | 0.606 | 0.637 | 0.668 | 0.699 | 0.730 | 0.761 | 0.792 |
| 85          | 0.218        | 0.247 | 0.276 | 0.305 | 0.333 | 0.362 | 0.391 | 0.419 | 0.448 | 0.477 | 0.505 | 0.534 | 0.563 | 0.592 | 0.620 | 0.649 | 0.678 | 0.706 | 0.735 | 0.764 | 0.792 |
| 90          | 0.294        | 0.319 | 0.344 | 0.369 | 0.394 | 0.418 | 0.443 | 0.468 | 0.493 | 0.518 | 0.543 | 0.568 | 0.593 | 0.618 | 0.643 | 0.668 | 0.693 | 0.718 | 0.743 | 0.768 | 0.792 |
| 95          | 0.434        | 0.452 | 0.470 | 0.488 | 0.506 | 0.524 | 0.541 | 0.559 | 0.577 | 0.595 | 0.613 | 0.631 | 0.649 | 0.667 | 0.685 | 0.703 | 0.721 | 0.739 | 0.757 | 0.775 | 0.792 |
| 98          | 0.602        | 0.611 | 0.621 | 0.630 | 0.640 | 0.650 | 0.659 | 0.669 | 0.678 | 0.688 | 0.697 | 0.707 | 0.716 | 0.726 | 0.735 | 0.745 | 0.754 | 0.764 | 0.773 | 0.783 | 0.792 |

| NDClA |       | Percent DCIA |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CN    | 0     | 5            | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 30    | 0.002 | 0.040        | 0.078 | 0.116 | 0.154 | 0.192 | 0.230 | 0.268 | 0.306 | 0.344 | 0.382 | 0.420 | 0.458 | 0.496 | 0.534 | 0.572 | 0.610 | 0.648 | 0.686 | 0.724 | 0.762 |
| 35    | 0.006 | 0.043        | 0.081 | 0.119 | 0.157 | 0.195 | 0.233 | 0.270 | 0.308 | 0.346 | 0.384 | 0.422 | 0.460 | 0.498 | 0.535 | 0.573 | 0.611 | 0.649 | 0.687 | 0.725 | 0.762 |
| 40    | 0.010 | 0.047        | 0.085 | 0.123 | 0.160 | 0.198 | 0.236 | 0.273 | 0.311 | 0.348 | 0.386 | 0.424 | 0.461 | 0.499 | 0.537 | 0.574 | 0.612 | 0.649 | 0.687 | 0.725 | 0.762 |
| 45    | 0.015 | 0.052        | 0.089 | 0.127 | 0.164 | 0.202 | 0.239 | 0.276 | 0.314 | 0.351 | 0.389 | 0.426 | 0.463 | 0.501 | 0.538 | 0.575 | 0.613 | 0.650 | 0.688 | 0.725 | 0.762 |
| 50    | 0.020 | 0.058        | 0.095 | 0.132 | 0.169 | 0.206 | 0.243 | 0.280 | 0.317 | 0.354 | 0.391 | 0.428 | 0.466 | 0.503 | 0.540 | 0.577 | 0.614 | 0.651 | 0.688 | 0.725 | 0.762 |
| 55    | 0.027 | 0.064        | 0.101 | 0.137 | 0.174 | 0.211 | 0.248 | 0.284 | 0.321 | 0.358 | 0.395 | 0.432 | 0.468 | 0.505 | 0.542 | 0.579 | 0.615 | 0.652 | 0.689 | 0.726 | 0.762 |
| 60    | 0.035 | 0.072        | 0.108 | 0.144 | 0.181 | 0.217 | 0.253 | 0.290 | 0.326 | 0.362 | 0.399 | 0.435 | 0.471 | 0.508 | 0.544 | 0.581 | 0.617 | 0.653 | 0.690 | 0.726 | 0.762 |
| 65    | 0.045 | 0.081        | 0.117 | 0.153 | 0.189 | 0.225 | 0.261 | 0.296 | 0.332 | 0.368 | 0.404 | 0.440 | 0.476 | 0.511 | 0.547 | 0.583 | 0.619 | 0.655 | 0.691 | 0.727 | 0.762 |
| 70    | 0.059 | 0.094        | 0.129 | 0.164 | 0.200 | 0.235 | 0.270 | 0.305 | 0.340 | 0.375 | 0.411 | 0.446 | 0.481 | 0.516 | 0.551 | 0.586 | 0.622 | 0.657 | 0.692 | 0.727 | 0.762 |
| 75    | 0.077 | 0.111        | 0.145 | 0.180 | 0.214 | 0.248 | 0.282 | 0.317 | 0.351 | 0.385 | 0.420 | 0.454 | 0.488 | 0.522 | 0.557 | 0.591 | 0.625 | 0.660 | 0.694 | 0.728 | 0.762 |
| 80    | 0.102 | 0.135        | 0.168 | 0.201 | 0.234 | 0.267 | 0.300 | 0.333 | 0.366 | 0.399 | 0.432 | 0.465 | 0.498 | 0.531 | 0.564 | 0.597 | 0.630 | 0.663 | 0.696 | 0.729 | 0.762 |
| 85    | 0.142 | 0.173        | 0.204 | 0.235 | 0.266 | 0.297 | 0.328 | 0.359 | 0.390 | 0.421 | 0.452 | 0.483 | 0.514 | 0.545 | 0.576 | 0.607 | 0.638 | 0.669 | 0.700 | 0.731 | 0.762 |
| 90    | 0.211 | 0.238        | 0.266 | 0.293 | 0.321 | 0.349 | 0.376 | 0.404 | 0.431 | 0.459 | 0.486 | 0.514 | 0.542 | 0.569 | 0.597 | 0.624 | 0.652 | 0.680 | 0.707 | 0.735 | 0.762 |
| 95    | 0.354 | 0.374        | 0.395 | 0.415 | 0.436 | 0.456 | 0.476 | 0.497 | 0.517 | 0.538 | 0.558 | 0.579 | 0.599 | 0.619 | 0.640 | 0.660 | 0.681 | 0.701 | 0.722 | 0.742 | 0.762 |
| 98    | 0.541 | 0.553        | 0.564 | 0.575 | 0.586 | 0.597 | 0.608 | 0.619 | 0.630 | 0.641 | 0.652 | 0.663 | 0.674 | 0.685 | 0.696 | 0.707 | 0.718 | 0.729 | 0.740 | 0.751 | 0.762 |

## **APPENDIX C**

### **OUTPUT FROM THE “WHAT” HYDROLOGIC SEPARATIONS FOR THE FIVE CALIBRATION BASINS**



## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| Sum       | 60299.7    | 18913.29                  | 41386.41           |
| 7/1/2004  | 6.9        | 3.5                       | 3.5                |
| 7/2/2004  | 6.6        | 3.0                       | 3.6                |
| 7/3/2004  | 7.3        | 3.5                       | 3.8                |
| 7/4/2004  | 7.6        | 3.6                       | 4.0                |
| 7/5/2004  | 10.1       | 5.7                       | 4.4                |
| 7/6/2004  | 9          | 4.3                       | 4.7                |
| 7/7/2004  | 9.9        | 4.9                       | 5.0                |
| 7/8/2004  | 11.5       | 6.1                       | 5.4                |
| 7/9/2004  | 10.9       | 5.2                       | 5.7                |
| 7/10/2004 | 11.1       | 5.1                       | 6.0                |
| 7/11/2004 | 11.7       | 5.4                       | 6.3                |
| 7/12/2004 | 12.6       | 6.0                       | 6.6                |
| 7/13/2004 | 11.5       | 4.6                       | 6.9                |
| 7/14/2004 | 11.5       | 4.4                       | 7.1                |
| 7/15/2004 | 10.3       | 3.1                       | 7.2                |
| 7/16/2004 | 8.6        | 1.4                       | 7.2                |
| 7/17/2004 | 6.8        | 0.0                       | 6.8                |
| 7/18/2004 | 7.1        | 0.4                       | 6.7                |
| 7/19/2004 | 5.9        | 0.0                       | 5.9                |
| 7/20/2004 | 7.1        | 1.2                       | 5.9                |
| 7/21/2004 | 9.5        | 3.5                       | 6.0                |
| 7/22/2004 | 10.3       | 4.1                       | 6.2                |
| 7/23/2004 | 9.3        | 2.9                       | 6.4                |
| 7/24/2004 | 8.6        | 2.2                       | 6.4                |
| 7/25/2004 | 8.4        | 2.0                       | 6.4                |
| 7/26/2004 | 7.7        | 1.3                       | 6.4                |
| 7/27/2004 | 6.9        | 0.6                       | 6.3                |
| 7/28/2004 | 7.6        | 1.3                       | 6.3                |
| 7/29/2004 | 6.1        | 0.0                       | 6.1                |
| 7/30/2004 | 7.3        | 1.2                       | 6.1                |
| 7/31/2004 | 8.6        | 2.4                       | 6.2                |
| 8/1/2004  | 8.1        | 1.9                       | 6.2                |
| 8/2/2004  | 7.1        | 1.0                       | 6.1                |
| 8/3/2004  | 13         | 6.5                       | 6.5                |
| 8/4/2004  | 13.3       | 6.4                       | 6.9                |
| 8/5/2004  | 14.2       | 6.9                       | 7.3                |
| 8/6/2004  | 14.9       | 7.2                       | 7.7                |
| 8/7/2004  | 19.5       | 11.0                      | 8.5                |
| 8/8/2004  | 29.6       | 19.7                      | 9.9                |
| 8/9/2004  | 29.6       | 18.4                      | 11.2               |
| 8/10/2004 | 22.9       | 11.1                      | 11.8               |
| 8/11/2004 | 19.8       | 7.6                       | 12.2               |
| 8/12/2004 | 17.5       | 5.1                       | 12.4               |
| 8/13/2004 | 16.7       | 4.2                       | 12.5               |
| 8/14/2004 | 22.6       | 9.6                       | 13.0               |
| 8/15/2004 | 22.6       | 9.2                       | 13.4               |
| 8/16/2004 | 17         | 3.5                       | 13.5               |
| 8/17/2004 | 14         | 0.7                       | 13.3               |
| 8/18/2004 | 39.5       | 24.5                      | 15.0               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| Sum       | 39009.3    | 11352.26                  | 27657.04           |
| 1/1/1995  | 16         | 8.0                       | 8.0                |
| 1/2/1995  | 15         | 6.6                       | 8.4                |
| 1/3/1995  | 13         | 4.4                       | 8.6                |
| 1/4/1995  | 12         | 3.3                       | 8.7                |
| 1/5/1995  | 11         | 2.3                       | 8.7                |
| 1/6/1995  | 12         | 3.2                       | 8.8                |
| 1/7/1995  | 10         | 1.3                       | 8.7                |
| 1/8/1995  | 9.6        | 1.0                       | 8.6                |
| 1/9/1995  | 9          | 0.5                       | 8.5                |
| 1/10/1995 | 8.6        | 0.3                       | 8.3                |
| 1/11/1995 | 8.4        | 0.2                       | 8.2                |
| 1/12/1995 | 8.2        | 0.2                       | 8.0                |
| 1/13/1995 | 7.6        | 0.0                       | 7.6                |
| 1/14/1995 | 20         | 11.6                      | 8.4                |
| 1/15/1995 | 17         | 8.1                       | 8.9                |
| 1/16/1995 | 15         | 5.8                       | 9.2                |
| 1/17/1995 | 13         | 3.7                       | 9.3                |
| 1/18/1995 | 11         | 1.8                       | 9.2                |
| 1/19/1995 | 10         | 0.9                       | 9.1                |
| 1/20/1995 | 9.8        | 0.8                       | 9.0                |
| 1/21/1995 | 9.7        | 0.8                       | 8.9                |
| 1/22/1995 | 9.3        | 0.6                       | 8.7                |
| 1/23/1995 | 9.1        | 0.5                       | 8.6                |
| 1/24/1995 | 8.7        | 0.2                       | 8.5                |
| 1/25/1995 | 8.4        | 0.1                       | 8.3                |
| 1/26/1995 | 8.4        | 0.2                       | 8.2                |
| 1/27/1995 | 8.3        | 0.3                       | 8.0                |
| 1/28/1995 | 8.8        | 0.9                       | 7.9                |
| 1/29/1995 | 16         | 7.6                       | 8.4                |
| 1/30/1995 | 17         | 8.1                       | 8.9                |
| 1/31/1995 | 12         | 3.1                       | 8.9                |
| 2/1/1995  | 11         | 2.1                       | 8.9                |
| 2/2/1995  | 9.9        | 1.1                       | 8.8                |
| 2/3/1995  | 9.3        | 0.6                       | 8.7                |
| 2/4/1995  | 9.1        | 0.5                       | 8.6                |
| 2/5/1995  | 8.6        | 0.2                       | 8.4                |
| 2/6/1995  | 8.3        | 0.1                       | 8.2                |
| 2/7/1995  | 8.1        | 0.0                       | 8.1                |
| 2/8/1995  | 8.2        | 0.3                       | 7.9                |
| 2/9/1995  | 7.6        | 0.0                       | 7.6                |
| 2/10/1995 | 7.6        | 0.1                       | 7.5                |
| 2/11/1995 | 7.5        | 0.2                       | 7.3                |
| 2/12/1995 | 8.9        | 1.6                       | 7.3                |
| 2/13/1995 | 9.1        | 1.8                       | 7.3                |
| 2/14/1995 | 9.6        | 2.3                       | 7.3                |
| 2/15/1995 | 8.1        | 0.8                       | 7.3                |
| 2/16/1995 | 7.7        | 0.5                       | 7.2                |
| 2/17/1995 | 7.3        | 0.3                       | 7.0                |
| 2/18/1995 | 7.4        | 0.5                       | 6.9                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| Sum       | 560516.4   | 172289                    | 388227.4           |
| 1/1/1995  | 86         | 43.0                      | 43.0               |
| 1/2/1995  | 84         | 36.8                      | 47.2               |
| 1/3/1995  | 89         | 37.7                      | 51.3               |
| 1/4/1995  | 98         | 42.0                      | 56.0               |
| 1/5/1995  | 107        | 45.9                      | 61.1               |
| 1/6/1995  | 103        | 38.2                      | 64.8               |
| 1/7/1995  | 78         | 13.6                      | 64.4               |
| 1/8/1995  | 72         | 8.8                       | 63.2               |
| 1/9/1995  | 72         | 9.8                       | 62.2               |
| 1/10/1995 | 75         | 13.2                      | 61.8               |
| 1/11/1995 | 76         | 14.3                      | 61.7               |
| 1/12/1995 | 68         | 7.6                       | 60.4               |
| 1/13/1995 | 67         | 7.8                       | 59.2               |
| 1/14/1995 | 127        | 60.5                      | 66.5               |
| 1/15/1995 | 158        | 81.1                      | 76.9               |
| 1/16/1995 | 107        | 28.6                      | 78.4               |
| 1/17/1995 | 85         | 8.4                       | 76.6               |
| 1/18/1995 | 79         | 4.7                       | 74.3               |
| 1/19/1995 | 79         | 6.6                       | 72.4               |
| 1/20/1995 | 73         | 3.0                       | 70.0               |
| 1/21/1995 | 68         | 0.7                       | 67.3               |
| 1/22/1995 | 65         | 0.4                       | 64.6               |
| 1/23/1995 | 67         | 4.3                       | 62.7               |
| 1/24/1995 | 67         | 5.8                       | 61.2               |
| 1/25/1995 | 60         | 1.1                       | 58.9               |
| 1/26/1995 | 51         | 0.0                       | 51.0               |
| 1/27/1995 | 48         | 0.0                       | 48.0               |
| 1/28/1995 | 47         | 0.8                       | 46.2               |
| 1/29/1995 | 48         | 3.1                       | 44.9               |
| 1/30/1995 | 65         | 18.9                      | 46.1               |
| 1/31/1995 | 84         | 34.3                      | 49.7               |
| 2/1/1995  | 68         | 17.5                      | 50.5               |
| 2/2/1995  | 50         | 1.3                       | 48.7               |
| 2/3/1995  | 47         | 0.2                       | 46.8               |
| 2/4/1995  | 46         | 0.9                       | 45.1               |
| 2/5/1995  | 46         | 2.3                       | 43.7               |
| 2/6/1995  | 45         | 2.7                       | 42.3               |
| 2/7/1995  | 44         | 2.9                       | 41.1               |
| 2/8/1995  | 44         | 3.9                       | 40.1               |
| 2/9/1995  | 46         | 6.5                       | 39.5               |
| 2/10/1995 | 47         | 7.8                       | 39.2               |
| 2/11/1995 | 58         | 17.6                      | 40.4               |
| 2/12/1995 | 184        | 125.2                     | 58.8               |
| 2/13/1995 | 311        | 219.4                     | 91.6               |
| 2/14/1995 | 322        | 201.8                     | 120.2              |
| 2/15/1995 | 224        | 93.6                      | 130.4              |
| 2/16/1995 | 146        | 18.0                      | 128.0              |
| 2/17/1995 | 113        | 0.0                       | 113.0              |
| 2/18/1995 | 98         | 0.0                       | 98.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| Sum       | 276247.9   | 113518                    | 164729.9           |
| 1/1/1995  | 61         | 30.5                      | 30.5               |
| 1/2/1995  | 58         | 26.7                      | 31.3               |
| 1/3/1995  | 56         | 24.1                      | 31.9               |
| 1/4/1995  | 58         | 25.4                      | 32.6               |
| 1/5/1995  | 60         | 26.6                      | 33.4               |
| 1/6/1995  | 57         | 23.1                      | 33.9               |
| 1/7/1995  | 63         | 28.3                      | 34.7               |
| 1/8/1995  | 69         | 33.3                      | 35.7               |
| 1/9/1995  | 65         | 28.5                      | 36.5               |
| 1/10/1995 | 57         | 20.1                      | 36.9               |
| 1/11/1995 | 51         | 13.9                      | 37.1               |
| 1/12/1995 | 49         | 11.8                      | 37.2               |
| 1/13/1995 | 48         | 10.7                      | 37.3               |
| 1/14/1995 | 65         | 27.0                      | 38.0               |
| 1/15/1995 | 111        | 70.6                      | 40.4               |
| 1/16/1995 | 103        | 60.6                      | 42.4               |
| 1/17/1995 | 85         | 41.3                      | 43.7               |
| 1/18/1995 | 69         | 24.8                      | 44.2               |
| 1/19/1995 | 61         | 16.6                      | 44.4               |
| 1/20/1995 | 57         | 12.5                      | 44.5               |
| 1/21/1995 | 53         | 8.6                       | 44.4               |
| 1/22/1995 | 49         | 4.8                       | 44.2               |
| 1/23/1995 | 47         | 3.2                       | 43.8               |
| 1/24/1995 | 45         | 1.5                       | 43.5               |
| 1/25/1995 | 42         | 0.0                       | 42.0               |
| 1/26/1995 | 41         | 0.0                       | 41.0               |
| 1/27/1995 | 40         | 0.0                       | 40.0               |
| 1/28/1995 | 38         | 0.0                       | 38.0               |
| 1/29/1995 | 38         | 0.4                       | 37.6               |
| 1/30/1995 | 40         | 2.6                       | 37.4               |
| 1/31/1995 | 40         | 2.9                       | 37.1               |
| 2/1/1995  | 38         | 1.2                       | 36.8               |
| 2/2/1995  | 36         | 0.0                       | 36.0               |
| 2/3/1995  | 36         | 0.3                       | 35.7               |
| 2/4/1995  | 36         | 0.7                       | 35.3               |
| 2/5/1995  | 35         | 0.0                       | 35.0               |
| 2/6/1995  | 33         | 0.0                       | 33.0               |
| 2/7/1995  | 37         | 4.2                       | 32.8               |
| 2/8/1995  | 36         | 3.4                       | 32.6               |
| 2/9/1995  | 38         | 5.5                       | 32.5               |
| 2/10/1995 | 43         | 10.4                      | 32.6               |
| 2/11/1995 | 34         | 1.6                       | 32.4               |
| 2/12/1995 | 38         | 5.7                       | 32.3               |
| 2/13/1995 | 39         | 6.8                       | 32.2               |
| 2/14/1995 | 47         | 14.5                      | 32.5               |
| 2/15/1995 | 46         | 13.3                      | 32.7               |
| 2/16/1995 | 43         | 10.2                      | 32.8               |
| 2/17/1995 | 39         | 6.3                       | 32.7               |
| 2/18/1995 | 36         | 3.5                       | 32.5               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| Sum       | 523847     | 181013                    | 342834             |
| 1/1/1995  | 71         | 35.5                      | 35.5               |
| 1/2/1995  | 70         | 32.6                      | 37.4               |
| 1/3/1995  | 70         | 30.9                      | 39.1               |
| 1/4/1995  | 71         | 30.2                      | 40.8               |
| 1/5/1995  | 71         | 28.8                      | 42.2               |
| 1/6/1995  | 68         | 24.6                      | 43.4               |
| 1/7/1995  | 74         | 29.2                      | 44.8               |
| 1/8/1995  | 77         | 30.6                      | 46.4               |
| 1/9/1995  | 86         | 37.5                      | 48.5               |
| 1/10/1995 | 99         | 47.7                      | 51.3               |
| 1/11/1995 | 79         | 26.6                      | 52.4               |
| 1/12/1995 | 71         | 18.2                      | 52.8               |
| 1/13/1995 | 70         | 16.9                      | 53.1               |
| 1/14/1995 | 98         | 42.5                      | 55.5               |
| 1/15/1995 | 202        | 136.7                     | 65.3               |
| 1/16/1995 | 164        | 92.6                      | 71.4               |
| 1/17/1995 | 129        | 54.7                      | 74.3               |
| 1/18/1995 | 104        | 28.8                      | 75.2               |
| 1/19/1995 | 94         | 18.8                      | 75.2               |
| 1/20/1995 | 72         | 0.0                       | 72.0               |
| 1/21/1995 | 66         | 0.0                       | 66.0               |
| 1/22/1995 | 65         | 0.3                       | 64.7               |
| 1/23/1995 | 66         | 2.4                       | 63.6               |
| 1/24/1995 | 63         | 0.6                       | 62.4               |
| 1/25/1995 | 62         | 0.8                       | 61.2               |
| 1/26/1995 | 53         | 0.0                       | 53.0               |
| 1/27/1995 | 51         | 0.0                       | 51.0               |
| 1/28/1995 | 50         | 0.0                       | 50.0               |
| 1/29/1995 | 52         | 2.8                       | 49.2               |
| 1/30/1995 | 54         | 5.4                       | 48.6               |
| 1/31/1995 | 62         | 13.3                      | 48.7               |
| 2/1/1995  | 59         | 10.4                      | 48.6               |
| 2/2/1995  | 56         | 7.8                       | 48.2               |
| 2/3/1995  | 52         | 4.4                       | 47.6               |
| 2/4/1995  | 41         | 0.0                       | 41.0               |
| 2/5/1995  | 40         | 0.0                       | 40.0               |
| 2/6/1995  | 39         | 0.0                       | 39.0               |
| 2/7/1995  | 42         | 3.5                       | 38.5               |
| 2/8/1995  | 40         | 2.1                       | 37.9               |
| 2/9/1995  | 39         | 1.7                       | 37.3               |
| 2/10/1995 | 62         | 23.6                      | 38.4               |
| 2/11/1995 | 58         | 18.8                      | 39.2               |
| 2/12/1995 | 98         | 55.2                      | 42.8               |
| 2/13/1995 | 140        | 90.8                      | 49.2               |
| 2/14/1995 | 152        | 96.1                      | 55.9               |
| 2/15/1995 | 124        | 64.1                      | 59.9               |
| 2/16/1995 | 94         | 32.7                      | 61.3               |
| 2/17/1995 | 79         | 17.5                      | 61.5               |
| 2/18/1995 | 68         | 7.2                       | 60.8               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/19/2004 | 34.7       | 18.6                      | 16.1               |
| 8/20/2004 | 17.8       | 1.8                       | 16.0               |
| 8/21/2004 | 14.4       | 0.0                       | 14.4               |
| 8/22/2004 | 13         | 0.0                       | 13.0               |
| 8/23/2004 | 38.6       | 23.9                      | 14.7               |
| 8/24/2004 | 48.7       | 31.8                      | 16.9               |
| 8/25/2004 | 26.6       | 9.3                       | 17.3               |
| 8/26/2004 | 22.6       | 5.2                       | 17.4               |
| 8/27/2004 | 25.9       | 8.2                       | 17.7               |
| 8/28/2004 | 42.8       | 23.6                      | 19.2               |
| 8/29/2004 | 33.5       | 13.6                      | 19.9               |
| 8/30/2004 | 60.9       | 38.3                      | 22.6               |
| 8/31/2004 | 27         | 4.5                       | 22.5               |
| 9/1/2004  | 22.9       | 0.8                       | 22.1               |
| 9/2/2004  | 21.3       | 0.0                       | 21.3               |
| 9/3/2004  | 25.6       | 4.4                       | 21.2               |
| 9/4/2004  | 123        | 94.6                      | 28.4               |
| 9/5/2004  | 614.9      | 543.6                     | 71.3               |
| 9/6/2004  | 231.2      | 149.4                     | 81.8               |
| 9/7/2004  | 98.2       | 16.7                      | 81.5               |
| 9/8/2004  | 71.5       | 0.0                       | 71.5               |
| 9/9/2004  | 58         | 0.0                       | 58.0               |
| 9/10/2004 | 48.2       | 0.0                       | 48.2               |
| 9/11/2004 | 43.3       | 0.0                       | 43.3               |
| 9/12/2004 | 40.5       | 0.0                       | 40.5               |
| 9/13/2004 | 38.6       | 0.0                       | 38.6               |
| 9/14/2004 | 39.1       | 1.2                       | 37.9               |
| 9/15/2004 | 36.4       | 0.0                       | 36.4               |
| 9/16/2004 | 33.1       | 0.0                       | 33.1               |
| 9/17/2004 | 34.3       | 1.7                       | 32.6               |
| 9/18/2004 | 34.7       | 2.6                       | 32.1               |
| 9/19/2004 | 36.4       | 4.5                       | 31.9               |
| 9/20/2004 | 63.9       | 30.3                      | 33.6               |
| 9/21/2004 | 91.2       | 53.9                      | 37.3               |
| 9/22/2004 | 63.9       | 25.3                      | 38.6               |
| 9/23/2004 | 59.7       | 20.3                      | 39.4               |
| 9/24/2004 | 57.4       | 17.4                      | 40.0               |
| 9/25/2004 | 76.8       | 34.8                      | 42.0               |
| 9/26/2004 | 766        | 671.2                     | 94.8               |
| 9/27/2004 | 236.6      | 133.0                     | 103.6              |
| 9/28/2004 | 141.1      | 36.6                      | 104.5              |
| 9/29/2004 | 104.7      | 2.2                       | 102.5              |
| 9/30/2004 | 86.8       | 0.0                       | 86.8               |
| 10/1/2004 | 75.5       | 0.0                       | 75.5               |
| 10/2/2004 | 66.4       | 0.0                       | 66.4               |
| 10/3/2004 | 59.1       | 0.0                       | 59.1               |
| 10/4/2004 | 54.6       | 0.0                       | 54.6               |
| 10/5/2004 | 51.9       | 0.0                       | 51.9               |
| 10/6/2004 | 139.2      | 81.8                      | 57.4               |
| 10/7/2004 | 88.2       | 29.6                      | 58.6               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/19/1995 | 7.4        | 0.6                       | 6.8                |
| 2/20/1995 | 10         | 3.1                       | 6.9                |
| 2/21/1995 | 10         | 3.0                       | 7.0                |
| 2/22/1995 | 8          | 1.0                       | 7.0                |
| 2/23/1995 | 7.5        | 0.6                       | 6.9                |
| 2/24/1995 | 7.3        | 0.5                       | 6.8                |
| 2/25/1995 | 7          | 0.3                       | 6.7                |
| 2/26/1995 | 8.1        | 1.4                       | 6.7                |
| 2/27/1995 | 7.1        | 0.5                       | 6.6                |
| 2/28/1995 | 7.4        | 0.9                       | 6.5                |
| 3/1/1995  | 10         | 3.3                       | 6.7                |
| 3/2/1995  | 8.5        | 1.8                       | 6.7                |
| 3/3/1995  | 7.7        | 1.1                       | 6.6                |
| 3/4/1995  | 7.4        | 0.8                       | 6.6                |
| 3/5/1995  | 7.2        | 0.7                       | 6.5                |
| 3/6/1995  | 6.9        | 0.5                       | 6.4                |
| 3/7/1995  | 6.7        | 0.4                       | 6.3                |
| 3/8/1995  | 7.5        | 1.2                       | 6.3                |
| 3/9/1995  | 9.7        | 3.3                       | 6.4                |
| 3/10/1995 | 7.9        | 1.5                       | 6.4                |
| 3/11/1995 | 7          | 0.7                       | 6.3                |
| 3/12/1995 | 6.9        | 0.7                       | 6.3                |
| 3/13/1995 | 6.9        | 0.7                       | 6.2                |
| 3/14/1995 | 6.6        | 0.5                       | 6.1                |
| 3/15/1995 | 6.4        | 0.4                       | 6.0                |
| 3/16/1995 | 6.3        | 0.4                       | 5.9                |
| 3/17/1995 | 12         | 5.7                       | 6.3                |
| 3/18/1995 | 16         | 9.1                       | 6.9                |
| 3/19/1995 | 12         | 4.9                       | 7.1                |
| 3/20/1995 | 9.4        | 2.2                       | 7.2                |
| 3/21/1995 | 8.7        | 1.6                       | 7.1                |
| 3/22/1995 | 8.2        | 1.1                       | 7.1                |
| 3/23/1995 | 7.8        | 0.8                       | 7.0                |
| 3/24/1995 | 7.5        | 0.6                       | 6.9                |
| 3/25/1995 | 7.2        | 0.4                       | 6.8                |
| 3/26/1995 | 6.9        | 0.2                       | 6.7                |
| 3/27/1995 | 6.7        | 0.1                       | 6.6                |
| 3/28/1995 | 6.6        | 0.2                       | 6.4                |
| 3/29/1995 | 6.4        | 0.1                       | 6.3                |
| 3/30/1995 | 6.3        | 0.1                       | 6.2                |
| 3/31/1995 | 6.2        | 0.1                       | 6.1                |
| 4/1/1995  | 6.4        | 0.4                       | 6.0                |
| 4/2/1995  | 6.1        | 0.2                       | 5.9                |
| 4/3/1995  | 5.8        | 0.0                       | 5.8                |
| 4/4/1995  | 5.6        | 0.0                       | 5.6                |
| 4/5/1995  | 6.3        | 0.8                       | 5.5                |
| 4/6/1995  | 15         | 8.9                       | 6.1                |
| 4/7/1995  | 9.1        | 2.8                       | 6.3                |
| 4/8/1995  | 8.4        | 2.1                       | 6.3                |
| 4/9/1995  | 8.6        | 2.3                       | 6.3                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/19/1995 | 92         | 0.0                       | 92.0               |
| 2/20/1995 | 95         | 5.8                       | 89.2               |
| 2/21/1995 | 99         | 11.5                      | 87.5               |
| 2/22/1995 | 98         | 12.1                      | 85.9               |
| 2/23/1995 | 96         | 11.6                      | 84.4               |
| 2/24/1995 | 77         | 0.0                       | 77.0               |
| 2/25/1995 | 59         | 0.0                       | 59.0               |
| 2/26/1995 | 55         | 0.0                       | 55.0               |
| 2/27/1995 | 61         | 7.1                       | 53.9               |
| 2/28/1995 | 70         | 15.7                      | 54.3               |
| 3/1/1995  | 93         | 35.2                      | 57.8               |
| 3/2/1995  | 91         | 30.7                      | 60.3               |
| 3/3/1995  | 68         | 8.7                       | 59.3               |
| 3/4/1995  | 60         | 2.6                       | 57.4               |
| 3/5/1995  | 55         | 0.0                       | 55.0               |
| 3/6/1995  | 52         | 0.0                       | 52.0               |
| 3/7/1995  | 51         | 0.9                       | 50.1               |
| 3/8/1995  | 69         | 18.0                      | 51.0               |
| 3/9/1995  | 106        | 49.2                      | 56.8               |
| 3/10/1995 | 77         | 19.4                      | 57.6               |
| 3/11/1995 | 51         | 0.0                       | 51.0               |
| 3/12/1995 | 46         | 0.0                       | 46.0               |
| 3/13/1995 | 45         | 0.7                       | 44.3               |
| 3/14/1995 | 47         | 3.9                       | 43.1               |
| 3/15/1995 | 51         | 8.3                       | 42.7               |
| 3/16/1995 | 50         | 7.7                       | 42.3               |
| 3/17/1995 | 52         | 9.9                       | 42.1               |
| 3/18/1995 | 62         | 18.6                      | 43.4               |
| 3/19/1995 | 72         | 26.1                      | 45.9               |
| 3/20/1995 | 67         | 19.8                      | 47.2               |
| 3/21/1995 | 56         | 9.2                       | 46.8               |
| 3/22/1995 | 50         | 4.4                       | 45.6               |
| 3/23/1995 | 47         | 2.8                       | 44.2               |
| 3/24/1995 | 44         | 1.3                       | 42.7               |
| 3/25/1995 | 44         | 2.6                       | 41.4               |
| 3/26/1995 | 43         | 2.8                       | 40.2               |
| 3/27/1995 | 39         | 0.4                       | 38.6               |
| 3/28/1995 | 34         | 0.0                       | 34.0               |
| 3/29/1995 | 32         | 0.0                       | 32.0               |
| 3/30/1995 | 33         | 2.0                       | 31.0               |
| 3/31/1995 | 34         | 3.6                       | 30.4               |
| 4/1/1995  | 41         | 10.2                      | 30.8               |
| 4/2/1995  | 46         | 14.2                      | 31.8               |
| 4/3/1995  | 43         | 10.7                      | 32.3               |
| 4/4/1995  | 41         | 8.6                       | 32.4               |
| 4/5/1995  | 58         | 23.2                      | 34.8               |
| 4/6/1995  | 83         | 42.8                      | 40.2               |
| 4/7/1995  | 76         | 32.2                      | 43.8               |
| 4/8/1995  | 60         | 15.5                      | 44.5               |
| 4/9/1995  | 45         | 2.0                       | 43.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/19/1995 | 35         | 2.7                       | 32.3               |
| 2/20/1995 | 37         | 4.8                       | 32.2               |
| 2/21/1995 | 44         | 11.7                      | 32.3               |
| 2/22/1995 | 42         | 9.6                       | 32.4               |
| 2/23/1995 | 36         | 3.8                       | 32.2               |
| 2/24/1995 | 34         | 2.0                       | 32.0               |
| 2/25/1995 | 32         | 0.4                       | 31.6               |
| 2/26/1995 | 42         | 10.3                      | 31.7               |
| 2/27/1995 | 45         | 13.1                      | 31.9               |
| 2/28/1995 | 41         | 9.0                       | 32.0               |
| 3/1/1995  | 62         | 29.2                      | 32.8               |
| 3/2/1995  | 60         | 26.4                      | 33.6               |
| 3/3/1995  | 48         | 14.2                      | 33.8               |
| 3/4/1995  | 41         | 7.3                       | 33.7               |
| 3/5/1995  | 37         | 3.5                       | 33.6               |
| 3/6/1995  | 34         | 0.8                       | 33.2               |
| 3/7/1995  | 34         | 1.0                       | 33.0               |
| 3/8/1995  | 34         | 1.3                       | 32.7               |
| 3/9/1995  | 40         | 7.4                       | 32.6               |
| 3/10/1995 | 42         | 9.3                       | 32.7               |
| 3/11/1995 | 40         | 7.3                       | 32.7               |
| 3/12/1995 | 36         | 3.5                       | 32.5               |
| 3/13/1995 | 32         | 0.0                       | 32.0               |
| 3/14/1995 | 36         | 4.2                       | 31.8               |
| 3/15/1995 | 34         | 2.4                       | 31.6               |
| 3/16/1995 | 31         | 0.0                       | 31.0               |
| 3/17/1995 | 35         | 4.1                       | 30.9               |
| 3/18/1995 | 50         | 18.7                      | 31.3               |
| 3/19/1995 | 55         | 23.1                      | 31.9               |
| 3/20/1995 | 48         | 15.8                      | 32.2               |
| 3/21/1995 | 42         | 9.7                       | 32.3               |
| 3/22/1995 | 37         | 4.8                       | 32.2               |
| 3/23/1995 | 34         | 2.1                       | 31.9               |
| 3/24/1995 | 31         | 0.0                       | 31.0               |
| 3/25/1995 | 29         | 0.0                       | 29.0               |
| 3/26/1995 | 28         | 0.0                       | 28.0               |
| 3/27/1995 | 27         | 0.0                       | 27.0               |
| 3/28/1995 | 26         | 0.0                       | 26.0               |
| 3/29/1995 | 25         | 0.0                       | 25.0               |
| 3/30/1995 | 24         | 0.0                       | 24.0               |
| 3/31/1995 | 24         | 0.2                       | 23.8               |
| 4/1/1995  | 27         | 3.3                       | 23.7               |
| 4/2/1995  | 30         | 6.3                       | 23.7               |
| 4/3/1995  | 27         | 3.4                       | 23.6               |
| 4/4/1995  | 26         | 2.6                       | 23.4               |
| 4/5/1995  | 26         | 2.7                       | 23.3               |
| 4/6/1995  | 51         | 26.8                      | 24.2               |
| 4/7/1995  | 65         | 39.5                      | 25.5               |
| 4/8/1995  | 57         | 30.5                      | 26.5               |
| 4/9/1995  | 61         | 33.5                      | 27.5               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/19/1995 | 51         | 0.0                       | 51.0               |
| 2/20/1995 | 100        | 46.3                      | 53.7               |
| 2/21/1995 | 150        | 90.2                      | 59.8               |
| 2/22/1995 | 104        | 42.0                      | 62.0               |
| 2/23/1995 | 71         | 9.5                       | 61.5               |
| 2/24/1995 | 66         | 5.3                       | 60.7               |
| 2/25/1995 | 63         | 3.3                       | 59.7               |
| 2/26/1995 | 62         | 3.2                       | 58.8               |
| 2/27/1995 | 61         | 3.1                       | 57.9               |
| 2/28/1995 | 54         | 0.0                       | 54.0               |
| 3/1/1995  | 102        | 45.4                      | 56.6               |
| 3/2/1995  | 121        | 60.7                      | 60.3               |
| 3/3/1995  | 82         | 21.2                      | 60.8               |
| 3/4/1995  | 70         | 9.7                       | 60.3               |
| 3/5/1995  | 71         | 11.0                      | 60.0               |
| 3/6/1995  | 67         | 7.6                       | 59.4               |
| 3/7/1995  | 62         | 3.5                       | 58.5               |
| 3/8/1995  | 85         | 25.6                      | 59.4               |
| 3/9/1995  | 123        | 60.0                      | 63.0               |
| 3/10/1995 | 93         | 28.9                      | 64.1               |
| 3/11/1995 | 62         | 0.0                       | 62.0               |
| 3/12/1995 | 59         | 0.0                       | 59.0               |
| 3/13/1995 | 60         | 2.0                       | 58.0               |
| 3/14/1995 | 57         | 0.2                       | 56.8               |
| 3/15/1995 | 57         | 1.2                       | 55.8               |
| 3/16/1995 | 54         | 0.0                       | 54.0               |
| 3/17/1995 | 71         | 16.7                      | 54.3               |
| 3/18/1995 | 111        | 53.5                      | 57.5               |
| 3/19/1995 | 103        | 43.2                      | 59.8               |
| 3/20/1995 | 79         | 18.9                      | 60.1               |
| 3/21/1995 | 57         | 0.0                       | 57.0               |
| 3/22/1995 | 52         | 0.0                       | 52.0               |
| 3/23/1995 | 49         | 0.0                       | 49.0               |
| 3/24/1995 | 45         | 0.0                       | 45.0               |
| 3/25/1995 | 40         | 0.0                       | 40.0               |
| 3/26/1995 | 40         | 0.7                       | 39.3               |
| 3/27/1995 | 38         | 0.0                       | 38.0               |
| 3/28/1995 | 37         | 0.0                       | 37.0               |
| 3/29/1995 | 34         | 0.0                       | 34.0               |
| 3/30/1995 | 35         | 1.6                       | 33.4               |
| 3/31/1995 | 34         | 1.1                       | 32.9               |
| 4/1/1995  | 64         | 29.4                      | 34.6               |
| 4/2/1995  | 86         | 48.3                      | 37.7               |
| 4/3/1995  | 72         | 32.4                      | 39.6               |
| 4/4/1995  | 62         | 21.5                      | 40.5               |
| 4/5/1995  | 58         | 17.0                      | 41.0               |
| 4/6/1995  | 119        | 72.9                      | 46.1               |
| 4/7/1995  | 130        | 78.6                      | 51.4               |
| 4/8/1995  | 95         | 41.3                      | 53.7               |
| 4/9/1995  | 83         | 28.1                      | 54.9               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/8/2004  | 62.7       | 4.9                       | 57.8               |
| 10/9/2004  | 59.1       | 2.2                       | 56.9               |
| 10/10/2004 | 56.8       | 1.0                       | 55.8               |
| 10/11/2004 | 55.7       | 0.9                       | 54.8               |
| 10/12/2004 | 56.3       | 2.4                       | 53.9               |
| 10/13/2004 | 54.1       | 1.2                       | 52.9               |
| 10/14/2004 | 53         | 1.1                       | 51.9               |
| 10/15/2004 | 50.3       | 0.0                       | 50.3               |
| 10/16/2004 | 48.7       | 0.0                       | 48.7               |
| 10/17/2004 | 40.5       | 0.0                       | 40.5               |
| 10/18/2004 | 33.9       | 0.0                       | 33.9               |
| 10/19/2004 | 31.9       | 0.0                       | 31.9               |
| 10/20/2004 | 31.1       | 0.0                       | 31.1               |
| 10/21/2004 | 33.9       | 3.2                       | 30.7               |
| 10/22/2004 | 39.5       | 8.7                       | 30.8               |
| 10/23/2004 | 53         | 21.1                      | 31.9               |
| 10/24/2004 | 46.2       | 13.8                      | 32.4               |
| 10/25/2004 | 47.7       | 14.8                      | 32.9               |
| 10/26/2004 | 51.9       | 18.2                      | 33.7               |
| 10/27/2004 | 53         | 18.5                      | 34.5               |
| 10/28/2004 | 50.3       | 15.3                      | 35.0               |
| 10/29/2004 | 46.2       | 11.0                      | 35.2               |
| 10/30/2004 | 42.3       | 7.2                       | 35.1               |
| 10/31/2004 | 40         | 5.2                       | 34.8               |
| 11/1/2004  | 34.3       | 0.2                       | 34.1               |
| 11/2/2004  | 30.7       | 0.0                       | 30.7               |
| 11/3/2004  | 28.8       | 0.0                       | 28.8               |
| 11/4/2004  | 24.6       | 0.0                       | 24.6               |
| 11/5/2004  | 27.7       | 3.3                       | 24.4               |
| 11/6/2004  | 30.7       | 6.3                       | 24.4               |
| 11/7/2004  | 25.9       | 1.8                       | 24.1               |
| 11/8/2004  | 23.2       | 0.0                       | 23.2               |
| 11/9/2004  | 27         | 3.9                       | 23.1               |
| 11/10/2004 | 32.3       | 9.0                       | 23.3               |
| 11/11/2004 | 27.4       | 4.2                       | 23.2               |
| 11/12/2004 | 27         | 4.0                       | 23.0               |
| 11/13/2004 | 27.7       | 4.7                       | 23.0               |
| 11/14/2004 | 38.6       | 14.9                      | 23.7               |
| 11/15/2004 | 38.6       | 14.2                      | 24.4               |
| 11/16/2004 | 37.8       | 12.9                      | 24.9               |
| 11/17/2004 | 36.9       | 11.6                      | 25.3               |
| 11/18/2004 | 30         | 4.8                       | 25.2               |
| 11/19/2004 | 28.5       | 3.5                       | 25.0               |
| 11/20/2004 | 25.6       | 1.0                       | 24.6               |
| 11/21/2004 | 24.9       | 0.8                       | 24.1               |
| 11/22/2004 | 23.9       | 0.2                       | 23.7               |
| 11/23/2004 | 22.6       | 0.0                       | 22.6               |
| 11/24/2004 | 19.2       | 0.0                       | 19.2               |
| 11/25/2004 | 20.4       | 1.5                       | 18.9               |
| 11/26/2004 | 24.6       | 5.6                       | 19.0               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/10/1995 | 7.3        | 1.0                       | 6.3                |
| 4/11/1995 | 6.7        | 0.5                       | 6.2                |
| 4/12/1995 | 6.2        | 0.1                       | 6.1                |
| 4/13/1995 | 5.9        | 0.0                       | 5.9                |
| 4/14/1995 | 5.7        | 0.0                       | 5.7                |
| 4/15/1995 | 5.3        | 0.0                       | 5.3                |
| 4/16/1995 | 4.9        | 0.0                       | 4.9                |
| 4/17/1995 | 4.9        | 0.1                       | 4.8                |
| 4/18/1995 | 5.8        | 1.0                       | 4.8                |
| 4/19/1995 | 5.8        | 1.0                       | 4.8                |
| 4/20/1995 | 6.1        | 1.3                       | 4.8                |
| 4/21/1995 | 6.1        | 1.3                       | 4.8                |
| 4/22/1995 | 6          | 1.2                       | 4.8                |
| 4/23/1995 | 5.7        | 0.9                       | 4.8                |
| 4/24/1995 | 5.5        | 0.8                       | 4.7                |
| 4/25/1995 | 5.4        | 0.7                       | 4.7                |
| 4/26/1995 | 5.9        | 1.2                       | 4.7                |
| 4/27/1995 | 5.7        | 1.0                       | 4.7                |
| 4/28/1995 | 5.8        | 1.1                       | 4.7                |
| 4/29/1995 | 5.6        | 0.9                       | 4.7                |
| 4/30/1995 | 5.5        | 0.9                       | 4.6                |
| 5/1/1995  | 6.6        | 1.9                       | 4.7                |
| 5/2/1995  | 7.8        | 3.0                       | 4.8                |
| 5/3/1995  | 7          | 2.1                       | 4.9                |
| 5/4/1995  | 7.8        | 2.8                       | 5.0                |
| 5/5/1995  | 7          | 1.9                       | 5.1                |
| 5/6/1995  | 6.8        | 1.7                       | 5.1                |
| 5/7/1995  | 6.4        | 1.3                       | 5.1                |
| 5/8/1995  | 6.1        | 1.0                       | 5.1                |
| 5/9/1995  | 6.3        | 1.2                       | 5.1                |
| 5/10/1995 | 6.2        | 1.1                       | 5.1                |
| 5/11/1995 | 5.6        | 0.6                       | 5.0                |
| 5/12/1995 | 6          | 1.0                       | 5.0                |
| 5/13/1995 | 7.2        | 2.1                       | 5.1                |
| 5/14/1995 | 5.7        | 0.7                       | 5.0                |
| 5/15/1995 | 5.6        | 0.6                       | 5.0                |
| 5/16/1995 | 5.3        | 0.4                       | 4.9                |
| 5/17/1995 | 5.1        | 0.3                       | 4.8                |
| 5/18/1995 | 4.7        | 0.0                       | 4.7                |
| 5/19/1995 | 4.4        | 0.0                       | 4.4                |
| 5/20/1995 | 6.5        | 2.0                       | 4.5                |
| 5/21/1995 | 6.1        | 1.6                       | 4.5                |
| 5/22/1995 | 5          | 0.5                       | 4.5                |
| 5/23/1995 | 8.7        | 4.0                       | 4.7                |
| 5/24/1995 | 8.8        | 3.9                       | 4.9                |
| 5/25/1995 | 5.6        | 0.7                       | 4.9                |
| 5/26/1995 | 4.8        | 0.0                       | 4.8                |
| 5/27/1995 | 4.6        | 0.0                       | 4.6                |
| 5/28/1995 | 6.9        | 2.2                       | 4.7                |
| 5/29/1995 | 6          | 1.3                       | 4.7                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/10/1995 | 40         | 0.0                       | 40.0               |
| 4/11/1995 | 37         | 0.0                       | 37.0               |
| 4/12/1995 | 35         | 0.0                       | 35.0               |
| 4/13/1995 | 32         | 0.0                       | 32.0               |
| 4/14/1995 | 27         | 0.0                       | 27.0               |
| 4/15/1995 | 29         | 2.7                       | 26.3               |
| 4/16/1995 | 34         | 7.5                       | 26.5               |
| 4/17/1995 | 33         | 6.5                       | 26.5               |
| 4/18/1995 | 31         | 4.8                       | 26.9               |
| 4/19/1995 | 31         | 5.1                       | 25.9               |
| 4/20/1995 | 32         | 6.1                       | 25.9               |
| 4/21/1995 | 30         | 4.4                       | 25.6               |
| 4/22/1995 | 30         | 4.7                       | 25.3               |
| 4/23/1995 | 30         | 4.9                       | 25.1               |
| 4/24/1995 | 28         | 3.4                       | 24.6               |
| 4/25/1995 | 28         | 3.8                       | 24.2               |
| 4/26/1995 | 33         | 8.4                       | 24.6               |
| 4/27/1995 | 31         | 6.4                       | 24.6               |
| 4/28/1995 | 33         | 8.1                       | 24.9               |
| 4/29/1995 | 33         | 7.8                       | 25.2               |
| 4/30/1995 | 31         | 5.9                       | 25.1               |
| 5/1/1995  | 30         | 5.1                       | 24.9               |
| 5/2/1995  | 28         | 3.5                       | 24.5               |
| 5/3/1995  | 29         | 4.7                       | 24.3               |
| 5/4/1995  | 29         | 4.9                       | 24.1               |
| 5/5/1995  | 28         | 4.2                       | 23.8               |
| 5/6/1995  | 29         | 5.3                       | 23.7               |
| 5/7/1995  | 29         | 5.4                       | 23.6               |
| 5/8/1995  | 27         | 3.7                       | 23.3               |
| 5/9/1995  | 27         | 4.0                       | 23.0               |
| 5/10/1995 | 25         | 2.5                       | 22.5               |
| 5/11/1995 | 25         | 3.0                       | 22.0               |
| 5/12/1995 | 26         | 4.2                       | 21.8               |
| 5/13/1995 | 25         | 3.5                       | 21.5               |
| 5/14/1995 | 23         | 2.0                       | 21.0               |
| 5/15/1995 | 21         | 0.7                       | 20.3               |
| 5/16/1995 | 18         | 0.0                       | 18.0               |
| 5/17/1995 | 19         | 1.5                       | 17.5               |
| 5/18/1995 | 19         | 1.9                       | 17.1               |
| 5/19/1995 | 22         | 4.8                       | 17.2               |
| 5/20/1995 | 28         | 9.9                       | 18.1               |
| 5/21/1995 | 30         | 10.9                      | 19.1               |
| 5/22/1995 | 43         | 21.2                      | 21.8               |
| 5/23/1995 | 43         | 19.1                      | 23.9               |
| 5/24/1995 | 23         | 0.0                       | 23.0               |
| 5/25/1995 | 16         | 0.0                       | 16.0               |
| 5/26/1995 | 14         | 0.0                       | 14.0               |
| 5/27/1995 | 17         | 3.1                       | 13.9               |
| 5/28/1995 | 20         | 5.7                       | 14.3               |
| 5/29/1995 | 21         | 6.3                       | 14.7               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/10/1995 | 51         | 22.8                      | 28.2               |
| 4/11/1995 | 44         | 15.5                      | 28.5               |
| 4/12/1995 | 38         | 9.4                       | 28.6               |
| 4/13/1995 | 35         | 6.4                       | 28.6               |
| 4/14/1995 | 32         | 3.6                       | 28.4               |
| 4/15/1995 | 29         | 0.8                       | 28.2               |
| 4/16/1995 | 28         | 0.1                       | 27.9               |
| 4/17/1995 | 26         | 0.0                       | 26.0               |
| 4/18/1995 | 25         | 0.0                       | 25.0               |
| 4/19/1995 | 25         | 0.2                       | 24.8               |
| 4/20/1995 | 24         | 0.0                       | 24.0               |
| 4/21/1995 | 24         | 0.2                       | 23.8               |
| 4/22/1995 | 23         | 0.0                       | 23.0               |
| 4/23/1995 | 22         | 0.0                       | 22.0               |
| 4/24/1995 | 22         | 0.2                       | 21.8               |
| 4/25/1995 | 22         | 0.4                       | 21.6               |
| 4/26/1995 | 22         | 0.6                       | 21.4               |
| 4/27/1995 | 22         | 0.8                       | 21.2               |
| 4/28/1995 | 24         | 2.9                       | 21.1               |
| 4/29/1995 | 26         | 4.9                       | 21.1               |
| 4/30/1995 | 24         | 3.0                       | 21.0               |
| 5/1/1995  | 21         | 0.2                       | 20.8               |
| 5/2/1995  | 20         | 0.0                       | 20.0               |
| 5/3/1995  | 20         | 0.2                       | 19.8               |
| 5/4/1995  | 21         | 1.3                       | 19.7               |
| 5/5/1995  | 30         | 10.1                      | 19.9               |
| 5/6/1995  | 25         | 5.1                       | 19.9               |
| 5/7/1995  | 22         | 2.2                       | 19.8               |
| 5/8/1995  | 20         | 0.4                       | 19.6               |
| 5/9/1995  | 19         | 0.0                       | 19.0               |
| 5/10/1995 | 18         | 0.0                       | 18.0               |
| 5/11/1995 | 18         | 0.2                       | 17.8               |
| 5/12/1995 | 18         | 0.3                       | 17.7               |
| 5/13/1995 | 17         | 0.0                       | 17.0               |
| 5/14/1995 | 17         | 0.2                       | 16.8               |
| 5/15/1995 | 17         | 0.3                       | 16.7               |
| 5/16/1995 | 15         | 0.0                       | 15.0               |
| 5/17/1995 | 14         | 0.0                       | 14.0               |
| 5/18/1995 | 14         | 0.1                       | 13.9               |
| 5/19/1995 | 13         | 0.0                       | 13.0               |
| 5/20/1995 | 17         | 4.0                       | 13.0               |
| 5/21/1995 | 18         | 4.9                       | 13.1               |
| 5/22/1995 | 17         | 3.9                       | 13.1               |
| 5/23/1995 | 17         | 3.9                       | 13.1               |
| 5/24/1995 | 17         | 3.8                       | 13.2               |
| 5/25/1995 | 15         | 1.9                       | 13.1               |
| 5/26/1995 | 15         | 1.9                       | 13.1               |
| 5/27/1995 | 15         | 2.0                       | 13.0               |
| 5/28/1995 | 14         | 1.1                       | 12.9               |
| 5/29/1995 | 14         | 1.2                       | 12.8               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/10/1995 | 65         | 10.4                      | 54.6               |
| 4/11/1995 | 40         | 0.0                       | 40.0               |
| 4/12/1995 | 37         | 0.0                       | 37.0               |
| 4/13/1995 | 36         | 0.0                       | 36.0               |
| 4/14/1995 | 32         | 0.0                       | 32.0               |
| 4/15/1995 | 30         | 0.0                       | 30.0               |
| 4/16/1995 | 30         | 0.6                       | 29.4               |
| 4/17/1995 | 23         | 0.0                       | 23.0               |
| 4/18/1995 | 23         | 0.4                       | 22.6               |
| 4/19/1995 | 23         | 0.8                       | 22.2               |
| 4/20/1995 | 19         | 0.0                       | 19.0               |
| 4/21/1995 | 18         | 0.0                       | 18.0               |
| 4/22/1995 | 18         | 0.3                       | 17.7               |
| 4/23/1995 | 21         | 3.4                       | 17.6               |
| 4/24/1995 | 20         | 2.6                       | 17.4               |
| 4/25/1995 | 23         | 5.5                       | 17.5               |
| 4/26/1995 | 32         | 13.7                      | 18.3               |
| 4/27/1995 | 55         | 34.3                      | 20.7               |
| 4/28/1995 | 66         | 42.4                      | 23.6               |
| 4/29/1995 | 110        | 80.4                      | 29.6               |
| 4/30/1995 | 74         | 41.7                      | 32.3               |
| 5/1/1995  | 56         | 22.5                      | 33.5               |
| 5/2/1995  | 37         | 3.9                       | 33.1               |
| 5/3/1995  | 33         | 0.5                       | 32.5               |
| 5/4/1995  | 35         | 2.9                       | 32.1               |
| 5/5/1995  | 60         | 26.4                      | 33.6               |
| 5/6/1995  | 38         | 4.7                       | 33.3               |
| 5/7/1995  | 31         | 0.0                       | 31.0               |
| 5/8/1995  | 27         | 0.0                       | 27.0               |
| 5/9/1995  | 27         | 0.5                       | 26.5               |
| 5/10/1995 | 27         | 1.0                       | 26.0               |
| 5/11/1995 | 25         | 0.0                       | 25.0               |
| 5/12/1995 | 23         | 0.0                       | 23.0               |
| 5/13/1995 | 23         | 0.4                       | 22.6               |
| 5/14/1995 | 25         | 2.7                       | 22.3               |
| 5/15/1995 | 20         | 0.0                       | 20.0               |
| 5/16/1995 | 20         | 0.4                       | 19.6               |
| 5/17/1995 | 19         | 0.0                       | 19.0               |
| 5/18/1995 | 19         | 0.4                       | 18.6               |
| 5/19/1995 | 20         | 1.6                       | 18.4               |
| 5/20/1995 | 31         | 12.0                      | 19.0               |
| 5/21/1995 | 44         | 23.5                      | 20.5               |
| 5/22/1995 | 37         | 15.7                      | 21.3               |
| 5/23/1995 | 37         | 14.9                      | 22.1               |
| 5/24/1995 | 33         | 10.5                      | 22.5               |
| 5/25/1995 | 29         | 6.4                       | 22.6               |
| 5/26/1995 | 29         | 6.4                       | 22.6               |
| 5/27/1995 | 32         | 9.1                       | 22.9               |
| 5/28/1995 | 27         | 4.2                       | 22.8               |
| 5/29/1995 | 24         | 1.6                       | 22.4               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/27/2004 | 19.2       | 0.5                       | 18.7               |
| 11/28/2004 | 22         | 3.4                       | 18.6               |
| 11/29/2004 | 19.8       | 1.5                       | 18.3               |
| 11/30/2004 | 16.5       | 0.0                       | 16.5               |
| 12/1/2004  | 14.9       | 0.0                       | 14.9               |
| 12/2/2004  | 14.9       | 0.3                       | 14.6               |
| 12/3/2004  | 14.7       | 0.3                       | 14.4               |
| 12/4/2004  | 14         | 0.0                       | 14.0               |
| 12/5/2004  | 11.9       | 0.0                       | 11.9               |
| 12/6/2004  | 10.1       | 0.0                       | 10.1               |
| 12/7/2004  | 9.9        | 0.0                       | 9.9                |
| 12/8/2004  | 9.3        | 0.0                       | 9.3                |
| 12/9/2004  | 8.4        | 0.0                       | 8.4                |
| 12/10/2004 | 6.6        | 0.0                       | 6.6                |
| 12/11/2004 | 8.8        | 2.2                       | 6.6                |
| 12/12/2004 | 8.2        | 1.6                       | 6.6                |
| 12/13/2004 | 5.9        | 0.0                       | 5.9                |
| 12/14/2004 | 7.4        | 1.5                       | 5.9                |
| 12/15/2004 | 10.3       | 4.2                       | 6.1                |
| 12/16/2004 | 6.5        | 0.5                       | 6.0                |
| 12/17/2004 | 6.6        | 0.6                       | 6.0                |
| 12/18/2004 | 8.6        | 2.6                       | 6.0                |
| 12/19/2004 | 9          | 2.8                       | 6.2                |
| 12/20/2004 | 10.3       | 4.0                       | 6.3                |
| 12/21/2004 | 8.1        | 1.7                       | 6.4                |
| 12/22/2004 | 7.3        | 1.0                       | 6.3                |
| 12/23/2004 | 6.9        | 0.7                       | 6.2                |
| 12/24/2004 | 10.5       | 4.1                       | 6.4                |
| 12/25/2004 | 33.9       | 25.5                      | 8.4                |
| 12/26/2004 | 29.6       | 19.8                      | 9.8                |
| 12/27/2004 | 23.9       | 13.3                      | 10.6               |
| 12/28/2004 | 17         | 6.1                       | 10.9               |
| 12/29/2004 | 15.9       | 4.8                       | 11.1               |
| 12/30/2004 | 15.4       | 4.2                       | 11.2               |
| 12/31/2004 | 13.7       | 2.5                       | 11.2               |
| 1/1/2005   | 12.8       | 1.7                       | 11.1               |
| 1/2/2005   | 12.1       | 1.1                       | 11.0               |
| 1/3/2005   | 12.1       | 1.3                       | 10.8               |
| 1/4/2005   | 11.5       | 0.8                       | 10.7               |
| 1/5/2005   | 10.5       | 0.0                       | 10.5               |
| 1/6/2005   | 9.7        | 0.0                       | 9.7                |
| 1/7/2005   | 9.1        | 0.0                       | 9.1                |
| 1/8/2005   | 9          | 0.1                       | 8.9                |
| 1/9/2005   | 9.1        | 0.3                       | 8.8                |
| 1/10/2005  | 9          | 0.4                       | 8.6                |
| 1/11/2005  | 10.3       | 1.7                       | 8.6                |
| 1/12/2005  | 10.3       | 1.7                       | 8.6                |
| 1/13/2005  | 9.3        | 0.8                       | 8.5                |
| 1/14/2005  | 23.6       | 14.2                      | 9.4                |
| 1/15/2005  | 30         | 19.2                      | 10.8               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/30/1995 | 4.9        | 0.3                       | 4.6                |
| 5/31/1995 | 4.6        | 0.1                       | 4.5                |
| 6/1/1995  | 4.6        | 0.1                       | 4.5                |
| 6/2/1995  | 4.6        | 0.2                       | 4.4                |
| 6/3/1995  | 4.7        | 0.4                       | 4.3                |
| 6/4/1995  | 9.8        | 5.1                       | 4.7                |
| 6/5/1995  | 8.8        | 3.9                       | 4.9                |
| 6/6/1995  | 6.9        | 2.0                       | 4.9                |
| 6/7/1995  | 5.7        | 0.8                       | 4.9                |
| 6/8/1995  | 5.2        | 0.4                       | 4.8                |
| 6/9/1995  | 4.8        | 0.1                       | 4.7                |
| 6/10/1995 | 4.5        | 0.0                       | 4.5                |
| 6/11/1995 | 4.3        | 0.0                       | 4.3                |
| 6/12/1995 | 4.7        | 0.5                       | 4.3                |
| 6/13/1995 | 5.5        | 1.2                       | 4.3                |
| 6/14/1995 | 4.6        | 0.4                       | 4.2                |
| 6/15/1995 | 4          | 0.0                       | 4.0                |
| 6/16/1995 | 4          | 0.1                       | 3.9                |
| 6/17/1995 | 4          | 0.1                       | 3.9                |
| 6/18/1995 | 4.4        | 0.6                       | 3.8                |
| 6/19/1995 | 3.7        | 0.0                       | 3.7                |
| 6/20/1995 | 3.6        | 0.0                       | 3.6                |
| 6/21/1995 | 10         | 6.0                       | 4.0                |
| 6/22/1995 | 12         | 7.5                       | 4.5                |
| 6/23/1995 | 33         | 26.4                      | 6.6                |
| 6/24/1995 | 32         | 23.7                      | 8.3                |
| 6/25/1995 | 38         | 27.6                      | 10.4               |
| 6/26/1995 | 59         | 45.2                      | 13.8               |
| 6/27/1995 | 28         | 13.4                      | 14.6               |
| 6/28/1995 | 25         | 9.9                       | 15.1               |
| 6/29/1995 | 22         | 6.7                       | 15.3               |
| 6/30/1995 | 22         | 6.5                       | 15.5               |
| 7/1/1995  | 17         | 1.7                       | 15.3               |
| 7/2/1995  | 16         | 0.9                       | 15.1               |
| 7/3/1995  | 13         | 0.0                       | 13.0               |
| 7/4/1995  | 13         | 0.2                       | 12.8               |
| 7/5/1995  | 14         | 1.4                       | 12.6               |
| 7/6/1995  | 12         | 0.0                       | 12.0               |
| 7/7/1995  | 12         | 0.2                       | 11.8               |
| 7/8/1995  | 12         | 0.4                       | 11.6               |
| 7/9/1995  | 11         | 0.0                       | 11.0               |
| 7/10/1995 | 15         | 3.9                       | 11.1               |
| 7/11/1995 | 35         | 22.3                      | 12.7               |
| 7/12/1995 | 30         | 16.3                      | 13.7               |
| 7/13/1995 | 22         | 7.9                       | 14.1               |
| 7/14/1995 | 17         | 3.0                       | 14.0               |
| 7/15/1995 | 15         | 1.2                       | 13.8               |
| 7/16/1995 | 13         | 0.0                       | 13.0               |
| 7/17/1995 | 31         | 16.9                      | 14.1               |
| 7/18/1995 | 39         | 23.3                      | 15.7               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/30/1995 | 21         | 5.9                       | 15.1               |
| 5/31/1995 | 20         | 4.8                       | 15.2               |
| 6/1/1995  | 20         | 4.6                       | 15.4               |
| 6/2/1995  | 20         | 4.5                       | 15.5               |
| 6/3/1995  | 21         | 5.3                       | 15.7               |
| 6/4/1995  | 30         | 12.9                      | 17.1               |
| 6/5/1995  | 55         | 33.2                      | 21.8               |
| 6/6/1995  | 48         | 23.4                      | 24.6               |
| 6/7/1995  | 31         | 6.3                       | 24.7               |
| 6/8/1995  | 27         | 2.9                       | 24.1               |
| 6/9/1995  | 26         | 2.4                       | 23.6               |
| 6/10/1995 | 24         | 1.2                       | 22.8               |
| 6/11/1995 | 23         | 1.0                       | 22.0               |
| 6/12/1995 | 22         | 0.7                       | 21.3               |
| 6/13/1995 | 20         | 0.0                       | 20.0               |
| 6/14/1995 | 20         | 0.7                       | 19.3               |
| 6/15/1995 | 21         | 2.1                       | 18.9               |
| 6/16/1995 | 20         | 1.6                       | 18.4               |
| 6/17/1995 | 18         | 0.3                       | 17.7               |
| 6/18/1995 | 15         | 0.0                       | 15.0               |
| 6/19/1995 | 16         | 1.4                       | 14.6               |
| 6/20/1995 | 18         | 3.4                       | 14.6               |
| 6/21/1995 | 23         | 7.8                       | 15.2               |
| 6/22/1995 | 26         | 9.8                       | 16.2               |
| 6/23/1995 | 37         | 18.5                      | 18.5               |
| 6/24/1995 | 44         | 22.6                      | 21.4               |
| 6/25/1995 | 84         | 54.7                      | 29.3               |
| 6/26/1995 | 107        | 68.0                      | 39.0               |
| 6/27/1995 | 73         | 30.7                      | 42.3               |
| 6/28/1995 | 46         | 4.6                       | 41.4               |
| 6/29/1995 | 32         | 0.0                       | 32.0               |
| 6/30/1995 | 27         | 0.0                       | 27.0               |
| 7/1/1995  | 26         | 0.1                       | 25.9               |
| 7/2/1995  | 26         | 1.0                       | 25.0               |
| 7/3/1995  | 26         | 1.7                       | 24.3               |
| 7/4/1995  | 26         | 2.3                       | 23.7               |
| 7/5/1995  | 24         | 1.1                       | 22.9               |
| 7/6/1995  | 20         | 0.0                       | 20.0               |
| 7/7/1995  | 19         | 0.0                       | 19.0               |
| 7/8/1995  | 20         | 1.5                       | 18.5               |
| 7/9/1995  | 23         | 4.5                       | 18.5               |
| 7/10/1995 | 28         | 8.9                       | 19.1               |
| 7/11/1995 | 42         | 20.4                      | 21.6               |
| 7/12/1995 | 50         | 25.2                      | 24.8               |
| 7/13/1995 | 39         | 13.1                      | 25.9               |
| 7/14/1995 | 32         | 6.1                       | 25.9               |
| 7/15/1995 | 28         | 2.7                       | 25.3               |
| 7/16/1995 | 28         | 3.2                       | 24.8               |
| 7/17/1995 | 60         | 31.2                      | 28.8               |
| 7/18/1995 | 130        | 88.3                      | 41.7               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/30/1995 | 13         | 0.3                       | 12.7               |
| 5/31/1995 | 13         | 0.4                       | 12.6               |
| 6/1/1995  | 12         | 0.0                       | 12.0               |
| 6/2/1995  | 12         | 0.1                       | 11.9               |
| 6/3/1995  | 12         | 0.2                       | 11.8               |
| 6/4/1995  | 13         | 1.3                       | 11.7               |
| 6/5/1995  | 14         | 2.3                       | 11.7               |
| 6/6/1995  | 13         | 1.4                       | 11.6               |
| 6/7/1995  | 12         | 0.5                       | 11.5               |
| 6/8/1995  | 12         | 0.6                       | 11.4               |
| 6/9/1995  | 11         | 0.0                       | 11.0               |
| 6/10/1995 | 11         | 0.1                       | 10.9               |
| 6/11/1995 | 10         | 0.0                       | 10.0               |
| 6/12/1995 | 11         | 1.1                       | 9.9                |
| 6/13/1995 | 12         | 2.1                       | 9.9                |
| 6/14/1995 | 12         | 2.1                       | 9.9                |
| 6/15/1995 | 11         | 1.1                       | 9.9                |
| 6/16/1995 | 11         | 1.2                       | 9.8                |
| 6/17/1995 | 10         | 0.3                       | 9.7                |
| 6/18/1995 | 10         | 0.4                       | 9.6                |
| 6/19/1995 | 10         | 0.5                       | 9.5                |
| 6/20/1995 | 10         | 0.5                       | 9.5                |
| 6/21/1995 | 11         | 1.5                       | 9.5                |
| 6/22/1995 | 27         | 16.9                      | 10.1               |
| 6/23/1995 | 46         | 34.7                      | 11.3               |
| 6/24/1995 | 42         | 29.6                      | 12.4               |
| 6/25/1995 | 66         | 51.6                      | 14.4               |
| 6/26/1995 | 91         | 73.8                      | 17.2               |
| 6/27/1995 | 64         | 45.2                      | 18.8               |
| 6/28/1995 | 46         | 26.3                      | 19.7               |
| 6/29/1995 | 39         | 18.8                      | 20.2               |
| 6/30/1995 | 34         | 13.4                      | 20.6               |
| 7/1/1995  | 32         | 11.2                      | 20.8               |
| 7/2/1995  | 31         | 10.0                      | 21.0               |
| 7/3/1995  | 44         | 22.3                      | 21.7               |
| 7/4/1995  | 37         | 14.9                      | 22.1               |
| 7/5/1995  | 31         | 8.8                       | 22.2               |
| 7/6/1995  | 27         | 4.8                       | 22.2               |
| 7/7/1995  | 25         | 2.9                       | 22.1               |
| 7/8/1995  | 23         | 1.1                       | 21.9               |
| 7/9/1995  | 21         | 0.0                       | 21.0               |
| 7/10/1995 | 19         | 0.0                       | 19.0               |
| 7/11/1995 | 19         | 0.2                       | 18.8               |
| 7/12/1995 | 25         | 6.1                       | 18.9               |
| 7/13/1995 | 28         | 9.0                       | 19.0               |
| 7/14/1995 | 26         | 6.9                       | 19.1               |
| 7/15/1995 | 24         | 4.9                       | 19.1               |
| 7/16/1995 | 22         | 2.9                       | 19.1               |
| 7/17/1995 | 22         | 3.0                       | 19.0               |
| 7/18/1995 | 28         | 8.8                       | 19.2               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/30/1995 | 23         | 0.9                       | 22.1               |
| 5/31/1995 | 24         | 2.2                       | 21.8               |
| 6/1/1995  | 24         | 2.4                       | 21.6               |
| 6/2/1995  | 27         | 5.4                       | 21.6               |
| 6/3/1995  | 27         | 5.4                       | 21.6               |
| 6/4/1995  | 23         | 1.7                       | 21.3               |
| 6/5/1995  | 25         | 3.8                       | 21.2               |
| 6/6/1995  | 28         | 6.7                       | 21.3               |
| 6/7/1995  | 27         | 5.7                       | 21.3               |
| 6/8/1995  | 29         | 7.5                       | 21.5               |
| 6/9/1995  | 43         | 20.3                      | 22.7               |
| 6/10/1995 | 35         | 11.8                      | 23.2               |
| 6/11/1995 | 23         | 0.3                       | 22.7               |
| 6/12/1995 | 29         | 6.2                       | 22.8               |
| 6/13/1995 | 37         | 13.6                      | 23.4               |
| 6/14/1995 | 32         | 8.4                       | 23.6               |
| 6/15/1995 | 26         | 2.7                       | 23.3               |
| 6/16/1995 | 26         | 2.9                       | 23.1               |
| 6/17/1995 | 26         | 3.1                       | 22.9               |
| 6/18/1995 | 25         | 2.4                       | 22.6               |
| 6/19/1995 | 25         | 2.6                       | 22.4               |
| 6/20/1995 | 26         | 3.8                       | 22.2               |
| 6/21/1995 | 27         | 4.8                       | 22.2               |
| 6/22/1995 | 43         | 19.7                      | 23.3               |
| 6/23/1995 | 161        | 127.9                     | 33.1               |
| 6/24/1995 | 127        | 87.6                      | 39.4               |
| 6/25/1995 | 140        | 93.9                      | 46.1               |
| 6/26/1995 | 178        | 122.9                     | 55.1               |
| 6/27/1995 | 133        | 73.2                      | 59.8               |
| 6/28/1995 | 85         | 24.4                      | 60.6               |
| 6/29/1995 | 50         | 0.0                       | 50.0               |
| 6/30/1995 | 42         | 0.0                       | 42.0               |
| 7/1/1995  | 39         | 0.0                       | 39.0               |
| 7/2/1995  | 39         | 0.7                       | 38.3               |
| 7/3/1995  | 91         | 49.5                      | 41.5               |
| 7/4/1995  | 58         | 16.1                      | 41.9               |
| 7/5/1995  | 44         | 2.7                       | 41.3               |
| 7/6/1995  | 41         | 0.5                       | 40.5               |
| 7/7/1995  | 38         | 0.0                       | 38.0               |
| 7/8/1995  | 34         | 0.0                       | 34.0               |
| 7/9/1995  | 33         | 0.0                       | 33.0               |
| 7/10/1995 | 33         | 0.6                       | 32.4               |
| 7/11/1995 | 35         | 3.0                       | 32.0               |
| 7/12/1995 | 35         | 3.4                       | 31.6               |
| 7/13/1995 | 36         | 4.6                       | 31.4               |
| 7/14/1995 | 37         | 5.8                       | 31.2               |
| 7/15/1995 | 39         | 7.8                       | 31.2               |
| 7/16/1995 | 61         | 28.2                      | 32.8               |
| 7/17/1995 | 58         | 23.9                      | 34.1               |
| 7/18/1995 | 103        | 64.4                      | 38.6               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/16/2005 | 42.3       | 28.4                      | 12.9               |
| 1/17/2005 | 27.7       | 13.9                      | 13.8               |
| 1/18/2005 | 25.6       | 11.2                      | 14.4               |
| 1/19/2005 | 17.5       | 3.2                       | 14.3               |
| 1/20/2005 | 16.2       | 2.0                       | 14.2               |
| 1/21/2005 | 16.5       | 2.4                       | 14.1               |
| 1/22/2005 | 14.9       | 1.0                       | 13.9               |
| 1/23/2005 | 19.8       | 5.7                       | 14.1               |
| 1/24/2005 | 21         | 6.7                       | 14.3               |
| 1/25/2005 | 15.4       | 1.2                       | 14.2               |
| 1/26/2005 | 14.9       | 0.9                       | 14.0               |
| 1/27/2005 | 15.9       | 2.1                       | 13.8               |
| 1/28/2005 | 22.3       | 8.1                       | 14.2               |
| 1/29/2005 | 21         | 6.6                       | 14.4               |
| 1/30/2005 | 22.6       | 7.8                       | 14.8               |
| 1/31/2005 | 28.2       | 13.6                      | 15.6               |
| 2/1/2005  | 27.4       | 11.2                      | 16.2               |
| 2/2/2005  | 28.1       | 11.3                      | 16.8               |
| 2/3/2005  | 25.2       | 8.1                       | 17.1               |
| 2/4/2005  | 42.3       | 23.7                      | 18.6               |
| 2/5/2005  | 38.6       | 18.8                      | 19.8               |
| 2/6/2005  | 29.6       | 9.5                       | 20.1               |
| 2/7/2005  | 28.5       | 8.1                       | 20.4               |
| 2/8/2005  | 30.3       | 9.6                       | 20.7               |
| 2/9/2005  | 27.4       | 6.6                       | 20.8               |
| 2/10/2005 | 27         | 6.1                       | 20.9               |
| 2/11/2005 | 32.7       | 11.3                      | 21.4               |
| 2/12/2005 | 25.6       | 4.3                       | 21.3               |
| 2/13/2005 | 21.3       | 0.4                       | 20.9               |
| 2/14/2005 | 18.7       | 0.0                       | 18.7               |
| 2/15/2005 | 17.3       | 0.0                       | 17.3               |
| 2/16/2005 | 14.4       | 0.0                       | 14.4               |
| 2/17/2005 | 14.4       | 0.3                       | 14.1               |
| 2/18/2005 | 18.1       | 3.9                       | 14.2               |
| 2/19/2005 | 13.7       | 0.0                       | 13.7               |
| 2/20/2005 | 8.6        | 0.0                       | 8.6                |
| 2/21/2005 | 7.4        | 0.0                       | 7.4                |
| 2/22/2005 | 7.4        | 0.1                       | 7.3                |
| 2/23/2005 | 7.4        | 0.3                       | 7.1                |
| 2/24/2005 | 6.3        | 0.0                       | 6.3                |
| 2/25/2005 | 10.1       | 3.6                       | 6.5                |
| 2/26/2005 | 16.2       | 9.1                       | 7.1                |
| 2/27/2005 | 75.5       | 63.5                      | 12.0               |
| 2/28/2005 | 56.8       | 41.7                      | 15.1               |
| 3/1/2005  | 26.3       | 10.6                      | 15.7               |
| 3/2/2005  | 21.3       | 5.5                       | 15.8               |
| 3/3/2005  | 18.9       | 3.2                       | 15.7               |
| 3/4/2005  | 18.4       | 2.8                       | 15.6               |
| 3/5/2005  | 12.4       | 0.0                       | 12.4               |
| 3/6/2005  | 10.7       | 0.0                       | 10.7               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/19/1995 | 22         | 6.1                       | 15.9               |
| 7/20/1995 | 157        | 131.0                     | 26.0               |
| 7/21/1995 | 87         | 56.9                      | 30.1               |
| 7/22/1995 | 44         | 13.5                      | 30.5               |
| 7/23/1995 | 31         | 1.0                       | 30.0               |
| 7/24/1995 | 27         | 0.0                       | 27.0               |
| 7/25/1995 | 38         | 10.7                      | 27.3               |
| 7/26/1995 | 27         | 0.2                       | 26.8               |
| 7/27/1995 | 23         | 0.0                       | 23.0               |
| 7/28/1995 | 26         | 3.2                       | 22.8               |
| 7/29/1995 | 36         | 12.6                      | 23.4               |
| 7/30/1995 | 24         | 1.0                       | 23.0               |
| 7/31/1995 | 21         | 0.0                       | 21.0               |
| 8/1/1995  | 20         | 0.0                       | 20.0               |
| 8/2/1995  | 442        | 394.1                     | 50.9               |
| 8/3/1995  | 246        | 181.6                     | 64.4               |
| 8/4/1995  | 76         | 11.9                      | 64.1               |
| 8/5/1995  | 40         | 0.0                       | 40.0               |
| 8/6/1995  | 29         | 0.0                       | 29.0               |
| 8/7/1995  | 26         | 0.0                       | 26.0               |
| 8/8/1995  | 23         | 0.0                       | 23.0               |
| 8/9/1995  | 20         | 0.0                       | 20.0               |
| 8/10/1995 | 20         | 0.4                       | 19.6               |
| 8/11/1995 | 17         | 0.0                       | 17.0               |
| 8/12/1995 | 66         | 45.7                      | 20.3               |
| 8/13/1995 | 50         | 27.9                      | 22.1               |
| 8/14/1995 | 31         | 8.6                       | 22.4               |
| 8/15/1995 | 25         | 2.8                       | 22.2               |
| 8/16/1995 | 20         | 0.0                       | 20.0               |
| 8/17/1995 | 18         | 0.0                       | 18.0               |
| 8/18/1995 | 18         | 0.3                       | 17.7               |
| 8/19/1995 | 17         | 0.0                       | 17.0               |
| 8/20/1995 | 40         | 21.6                      | 18.4               |
| 8/21/1995 | 27         | 8.3                       | 18.7               |
| 8/22/1995 | 20         | 1.6                       | 18.4               |
| 8/23/1995 | 18         | 0.0                       | 18.0               |
| 8/24/1995 | 50         | 30.0                      | 20.0               |
| 8/25/1995 | 29         | 8.7                       | 20.3               |
| 8/26/1995 | 20         | 0.1                       | 19.9               |
| 8/27/1995 | 18         | 0.0                       | 18.0               |
| 8/28/1995 | 17         | 0.0                       | 17.0               |
| 8/29/1995 | 17         | 0.3                       | 16.7               |
| 8/30/1995 | 25         | 8.0                       | 17.0               |
| 8/31/1995 | 26         | 8.7                       | 17.3               |
| 9/1/1995  | 25         | 7.4                       | 17.6               |
| 9/2/1995  | 30         | 11.8                      | 18.2               |
| 9/3/1995  | 26         | 7.6                       | 18.4               |
| 9/4/1995  | 23         | 4.6                       | 18.4               |
| 9/5/1995  | 22         | 3.7                       | 18.3               |
| 9/6/1995  | 21         | 2.8                       | 18.2               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/19/1995 | 112        | 62.0                      | 50.0               |
| 7/20/1995 | 55         | 6.0                       | 49.0               |
| 7/21/1995 | 50         | 2.6                       | 47.4               |
| 7/22/1995 | 48         | 2.1                       | 45.9               |
| 7/23/1995 | 44         | 0.0                       | 44.0               |
| 7/24/1995 | 40         | 0.0                       | 40.0               |
| 7/25/1995 | 39         | 0.5                       | 38.5               |
| 7/26/1995 | 57         | 17.3                      | 39.7               |
| 7/27/1995 | 154        | 99.9                      | 54.1               |
| 7/28/1995 | 185        | 114.7                     | 70.3               |
| 7/29/1995 | 122        | 47.0                      | 75.0               |
| 7/30/1995 | 143        | 61.2                      | 81.8               |
| 7/31/1995 | 144        | 56.4                      | 87.6               |
| 8/1/1995  | 180        | 82.7                      | 97.3               |
| 8/2/1995  | 462        | 317.8                     | 144.2              |
| 8/3/1995  | 713        | 495.3                     | 217.7              |
| 8/4/1995  | 689        | 413.8                     | 275.2              |
| 8/5/1995  | 525        | 224.8                     | 300.2              |
| 8/6/1995  | 249        | 0.0                       | 249.0              |
| 8/7/1995  | 121        | 0.0                       | 121.0              |
| 8/8/1995  | 72         | 0.0                       | 72.0               |
| 8/9/1995  | 81         | 10.2                      | 70.8               |
| 8/10/1995 | 105        | 32.0                      | 73.0               |
| 8/11/1995 | 148        | 67.1                      | 80.9               |
| 8/12/1995 | 165        | 75.3                      | 89.7               |
| 8/13/1995 | 123        | 31.8                      | 91.2               |
| 8/14/1995 | 111        | 20.2                      | 90.8               |
| 8/15/1995 | 101        | 11.9                      | 89.1               |
| 8/16/1995 | 76         | 0.0                       | 76.0               |
| 8/17/1995 | 57         | 0.0                       | 57.0               |
| 8/18/1995 | 45         | 0.0                       | 45.0               |
| 8/19/1995 | 45         | 1.6                       | 43.4               |
| 8/20/1995 | 52         | 8.9                       | 43.1               |
| 8/21/1995 | 65         | 20.3                      | 44.7               |
| 8/22/1995 | 76         | 28.6                      | 47.4               |
| 8/23/1995 | 232        | 160.7                     | 71.3               |
| 8/24/1995 | 644        | 496.2                     | 147.8              |
| 8/25/1995 | 846        | 607.0                     | 239.0              |
| 8/26/1995 | 703        | 408.2                     | 294.8              |
| 8/27/1995 | 559        | 238.0                     | 321.0              |
| 8/28/1995 | 353        | 38.6                      | 314.4              |
| 8/29/1995 | 186        | 0.0                       | 186.0              |
| 8/30/1995 | 166        | 0.0                       | 166.0              |
| 8/31/1995 | 303        | 123.8                     | 179.2              |
| 9/1/1995  | 505        | 287.1                     | 217.9              |
| 9/2/1995  | 494        | 245.5                     | 248.5              |
| 9/3/1995  | 336        | 84.0                      | 252.0              |
| 9/4/1995  | 180        | 0.0                       | 180.0              |
| 9/5/1995  | 162        | 0.0                       | 162.0              |
| 9/6/1995  | 395        | 206.4                     | 188.6              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/19/1995 | 31         | 11.6                      | 19.4               |
| 7/20/1995 | 32         | 12.3                      | 19.7               |
| 7/21/1995 | 33         | 13.0                      | 20.0               |
| 7/22/1995 | 33         | 12.7                      | 20.3               |
| 7/23/1995 | 32         | 11.4                      | 20.6               |
| 7/24/1995 | 29         | 8.3                       | 20.7               |
| 7/25/1995 | 27         | 6.2                       | 20.8               |
| 7/26/1995 | 38         | 16.8                      | 21.2               |
| 7/27/1995 | 41         | 19.2                      | 21.8               |
| 7/28/1995 | 47         | 24.5                      | 22.5               |
| 7/29/1995 | 49         | 25.7                      | 23.3               |
| 7/30/1995 | 52         | 27.8                      | 24.2               |
| 7/31/1995 | 47         | 22.1                      | 24.9               |
| 8/1/1995  | 44         | 18.6                      | 25.4               |
| 8/2/1995  | 189        | 157.6                     | 31.4               |
| 8/3/1995  | 355        | 311.4                     | 43.6               |
| 8/4/1995  | 335        | 280.7                     | 54.3               |
| 8/5/1995  | 280        | 217.5                     | 62.5               |
| 8/6/1995  | 228        | 159.7                     | 68.3               |
| 8/7/1995  | 185        | 112.9                     | 72.1               |
| 8/8/1995  | 158        | 83.3                      | 74.7               |
| 8/9/1995  | 189        | 110.6                     | 78.4               |
| 8/10/1995 | 157        | 76.3                      | 80.7               |
| 8/11/1995 | 161        | 78.0                      | 83.0               |
| 8/12/1995 | 189        | 102.7                     | 86.3               |
| 8/13/1995 | 204        | 114.0                     | 90.0               |
| 8/14/1995 | 138        | 47.1                      | 90.9               |
| 8/15/1995 | 109        | 18.2                      | 90.8               |
| 8/16/1995 | 90         | 0.1                       | 89.9               |
| 8/17/1995 | 75         | 0.0                       | 75.0               |
| 8/18/1995 | 66         | 0.0                       | 66.0               |
| 8/19/1995 | 59         | 0.0                       | 59.0               |
| 8/20/1995 | 56         | 0.0                       | 56.0               |
| 8/21/1995 | 53         | 0.0                       | 53.0               |
| 8/22/1995 | 52         | 0.0                       | 52.0               |
| 8/23/1995 | 67         | 14.9                      | 52.1               |
| 8/24/1995 | 197        | 139.8                     | 57.2               |
| 8/25/1995 | 248        | 184.1                     | 63.9               |
| 8/26/1995 | 191        | 122.8                     | 68.2               |
| 8/27/1995 | 150        | 79.3                      | 70.7               |
| 8/28/1995 | 131        | 58.7                      | 72.3               |
| 8/29/1995 | 109        | 35.9                      | 73.1               |
| 8/30/1995 | 94         | 20.8                      | 73.2               |
| 8/31/1995 | 167        | 90.9                      | 76.1               |
| 9/1/1995  | 208        | 127.6                     | 80.4               |
| 9/2/1995  | 197        | 112.9                     | 84.1               |
| 9/3/1995  | 167        | 80.5                      | 86.5               |
| 9/4/1995  | 133        | 45.5                      | 87.5               |
| 9/5/1995  | 109        | 21.6                      | 87.4               |
| 9/6/1995  | 139        | 50.4                      | 88.6               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/19/1995 | 80         | 39.1                      | 40.9               |
| 7/20/1995 | 85         | 41.6                      | 43.4               |
| 7/21/1995 | 60         | 16.2                      | 43.8               |
| 7/22/1995 | 52         | 8.4                       | 43.6               |
| 7/23/1995 | 43         | 0.2                       | 42.8               |
| 7/24/1995 | 40         | 0.0                       | 40.0               |
| 7/25/1995 | 53         | 12.8                      | 40.2               |
| 7/26/1995 | 153        | 105.2                     | 47.8               |
| 7/27/1995 | 230        | 169.6                     | 60.4               |
| 7/28/1995 | 147        | 81.3                      | 65.7               |
| 7/29/1995 | 126        | 57.0                      | 69.0               |
| 7/30/1995 | 144        | 70.7                      | 73.3               |
| 7/31/1995 | 116        | 40.9                      | 75.1               |
| 8/1/1995  | 99         | 23.5                      | 75.5               |
| 8/2/1995  | 543        | 434.3                     | 108.7              |
| 8/3/1995  | 558        | 418.0                     | 140.0              |
| 8/4/1995  | 402        | 245.2                     | 156.8              |
| 8/5/1995  | 323        | 156.8                     | 166.2              |
| 8/6/1995  | 192        | 27.0                      | 165.0              |
| 8/7/1995  | 143        | 0.0                       | 143.0              |
| 8/8/1995  | 118        | 0.0                       | 118.0              |
| 8/9/1995  | 107        | 0.0                       | 107.0              |
| 8/10/1995 | 106        | 1.1                       | 104.9              |
| 8/11/1995 | 109        | 5.7                       | 103.3              |
| 8/12/1995 | 102        | 0.7                       | 101.3              |
| 8/13/1995 | 91         | 0.0                       | 91.0               |
| 8/14/1995 | 83         | 0.0                       | 83.0               |
| 8/15/1995 | 79         | 0.0                       | 79.0               |
| 8/16/1995 | 72         | 0.0                       | 72.0               |
| 8/17/1995 | 61         | 0.0                       | 61.0               |
| 8/18/1995 | 60         | 0.2                       | 59.8               |
| 8/19/1995 | 51         | 0.0                       | 51.0               |
| 8/20/1995 | 50         | 0.0                       | 50.0               |
| 8/21/1995 | 139        | 83.4                      | 55.6               |
| 8/22/1995 | 166        | 103.2                     | 62.8               |
| 8/23/1995 | 138        | 70.8                      | 67.2               |
| 8/24/1995 | 554        | 452.0                     | 102.0              |
| 8/25/1995 | 590        | 453.7                     | 136.3              |
| 8/26/1995 | 287        | 142.1                     | 144.9              |
| 8/27/1995 | 200        | 53.7                      | 146.3              |
| 8/28/1995 | 163        | 18.2                      | 144.8              |
| 8/29/1995 | 135        | 0.0                       | 135.0              |
| 8/30/1995 | 131        | 0.0                       | 131.0              |
| 8/31/1995 | 326        | 183.0                     | 143.9              |
| 9/1/1995  | 339        | 184.1                     | 154.9              |
| 9/2/1995  | 368        | 200.2                     | 167.8              |
| 9/3/1995  | 283        | 109.8                     | 173.2              |
| 9/4/1995  | 176        | 5.8                       | 170.2              |
| 9/5/1995  | 137        | 0.0                       | 137.0              |
| 9/6/1995  | 236        | 94.2                      | 141.8              |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/7/2005  | 8.6        | 0.0                       | 8.6                |
| 3/8/2005  | 6.3        | 0.0                       | 6.3                |
| 3/9/2005  | 15.2       | 8.4                       | 6.8                |
| 3/10/2005 | 14.9       | 7.6                       | 7.3                |
| 3/11/2005 | 9.1        | 1.8                       | 7.3                |
| 3/12/2005 | 8.8        | 1.5                       | 7.3                |
| 3/13/2005 | 7.1        | 0.0                       | 7.1                |
| 3/14/2005 | 7.9        | 0.9                       | 7.0                |
| 3/15/2005 | 9          | 2.0                       | 7.0                |
| 3/16/2005 | 8.6        | 1.6                       | 7.0                |
| 3/17/2005 | 34.3       | 25.4                      | 8.9                |
| 3/18/2005 | 31.1       | 20.7                      | 10.4               |
| 3/19/2005 | 21         | 10.0                      | 11.0               |
| 3/20/2005 | 17.5       | 6.2                       | 11.3               |
| 3/21/2005 | 16.2       | 4.8                       | 11.4               |
| 3/22/2005 | 15.2       | 3.7                       | 11.5               |
| 3/23/2005 | 15.9       | 4.3                       | 11.6               |
| 3/24/2005 | 17.8       | 5.9                       | 11.9               |
| 3/25/2005 | 18.4       | 6.3                       | 12.1               |
| 3/26/2005 | 29.2       | 16.0                      | 13.2               |
| 3/27/2005 | 22         | 8.4                       | 13.6               |
| 3/28/2005 | 20.4       | 6.6                       | 13.8               |
| 3/29/2005 | 22.9       | 8.7                       | 14.2               |
| 3/30/2005 | 20.1       | 5.7                       | 14.4               |
| 3/31/2005 | 15.9       | 1.6                       | 14.3               |
| 4/1/2005  | 14.9       | 0.9                       | 14.0               |
| 4/2/2005  | 17.8       | 3.7                       | 14.1               |
| 4/3/2005  | 19.2       | 5.0                       | 14.2               |
| 4/4/2005  | 14.9       | 0.9                       | 14.0               |
| 4/5/2005  | 11.9       | 0.0                       | 11.9               |
| 4/6/2005  | 10.1       | 0.0                       | 10.1               |
| 4/7/2005  | 14.4       | 4.2                       | 10.2               |
| 4/8/2005  | 22.9       | 11.9                      | 11.0               |
| 4/9/2005  | 19.8       | 8.4                       | 11.4               |
| 4/10/2005 | 22         | 10.0                      | 12.0               |
| 4/11/2005 | 19.5       | 7.2                       | 12.3               |
| 4/12/2005 | 16.5       | 4.1                       | 12.4               |
| 4/13/2005 | 15.9       | 3.5                       | 12.4               |
| 4/14/2005 | 20.7       | 7.9                       | 12.8               |
| 4/15/2005 | 29.2       | 15.4                      | 13.8               |
| 4/16/2005 | 31.1       | 16.3                      | 14.8               |
| 4/17/2005 | 25.6       | 10.3                      | 15.3               |
| 4/18/2005 | 19.8       | 4.4                       | 15.4               |
| 4/19/2005 | 18.4       | 3.1                       | 15.3               |
| 4/20/2005 | 17.3       | 2.1                       | 15.2               |
| 4/21/2005 | 16.5       | 1.5                       | 15.0               |
| 4/22/2005 | 14.7       | 0.0                       | 14.7               |
| 4/23/2005 | 13         | 0.0                       | 13.0               |
| 4/24/2005 | 14.9       | 2.0                       | 12.9               |
| 4/25/2005 | 13         | 0.3                       | 12.7               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/7/1995   | 30         | 11.3                      | 18.7               |
| 9/8/1995   | 85         | 61.7                      | 23.3               |
| 9/9/1995   | 130        | 99.2                      | 30.8               |
| 9/10/1995  | 76         | 42.4                      | 33.6               |
| 9/11/1995  | 40         | 6.6                       | 33.4               |
| 9/12/1995  | 32         | 0.0                       | 32.0               |
| 9/13/1995  | 27         | 0.0                       | 27.0               |
| 9/14/1995  | 19         | 0.0                       | 19.0               |
| 9/15/1995  | 18         | 0.0                       | 18.0               |
| 9/16/1995  | 20         | 2.2                       | 17.8               |
| 9/17/1995  | 16         | 0.0                       | 16.0               |
| 9/18/1995  | 16         | 0.3                       | 15.7               |
| 9/19/1995  | 14         | 0.0                       | 14.0               |
| 9/20/1995  | 13         | 0.0                       | 13.0               |
| 9/21/1995  | 14         | 1.2                       | 12.8               |
| 9/22/1995  | 16         | 3.2                       | 12.8               |
| 9/23/1995  | 14         | 1.3                       | 12.7               |
| 9/24/1995  | 14         | 1.5                       | 12.5               |
| 9/25/1995  | 14         | 1.6                       | 12.4               |
| 9/26/1995  | 13         | 0.8                       | 12.2               |
| 9/27/1995  | 14         | 1.9                       | 12.1               |
| 9/28/1995  | 15         | 2.9                       | 12.1               |
| 9/29/1995  | 13         | 1.0                       | 12.0               |
| 9/30/1995  | 13         | 1.2                       | 11.8               |
| 10/1/1995  | 12         | 0.4                       | 11.6               |
| 10/2/1995  | 13         | 1.5                       | 11.5               |
| 10/3/1995  | 13         | 1.6                       | 11.4               |
| 10/4/1995  | 12         | 0.8                       | 11.2               |
| 10/5/1995  | 13         | 1.8                       | 11.2               |
| 10/6/1995  | 14         | 2.8                       | 11.2               |
| 10/7/1995  | 14         | 2.8                       | 11.2               |
| 10/8/1995  | 31         | 18.6                      | 12.4               |
| 10/9/1995  | 56         | 40.6                      | 15.4               |
| 10/10/1995 | 41         | 24.0                      | 17.0               |
| 10/11/1995 | 28         | 10.5                      | 17.5               |
| 10/12/1995 | 23         | 5.4                       | 17.6               |
| 10/13/1995 | 21         | 3.5                       | 17.5               |
| 10/14/1995 | 18         | 0.8                       | 17.2               |
| 10/15/1995 | 16         | 0.0                       | 16.0               |
| 10/16/1995 | 18         | 2.1                       | 15.9               |
| 10/17/1995 | 25         | 8.8                       | 16.2               |
| 10/18/1995 | 50         | 31.6                      | 18.4               |
| 10/19/1995 | 60         | 38.8                      | 21.2               |
| 10/20/1995 | 44         | 21.5                      | 22.5               |
| 10/21/1995 | 36         | 12.9                      | 23.1               |
| 10/22/1995 | 29         | 5.9                       | 23.1               |
| 10/23/1995 | 24         | 1.3                       | 22.7               |
| 10/24/1995 | 21         | 0.0                       | 21.0               |
| 10/25/1995 | 19         | 0.0                       | 19.0               |
| 10/26/1995 | 16         | 0.0                       | 16.0               |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/7/1995   | 761        | 500.0                     | 261.0              |
| 9/8/1995   | 806        | 478.8                     | 327.2              |
| 9/9/1995   | 828        | 443.0                     | 385.0              |
| 9/10/1995  | 765        | 340.9                     | 424.1              |
| 9/11/1995  | 710        | 261.1                     | 448.9              |
| 9/12/1995  | 591        | 138.0                     | 453.0              |
| 9/13/1995  | 454        | 16.4                      | 437.6              |
| 9/14/1995  | 308        | 0.0                       | 308.0              |
| 9/15/1995  | 203        | 0.0                       | 203.0              |
| 9/16/1995  | 149        | 0.0                       | 149.0              |
| 9/17/1995  | 116        | 0.0                       | 116.0              |
| 9/18/1995  | 102        | 0.0                       | 102.0              |
| 9/19/1995  | 96         | 0.0                       | 96.0               |
| 9/20/1995  | 89         | 0.0                       | 89.0               |
| 9/21/1995  | 82         | 0.0                       | 82.0               |
| 9/22/1995  | 78         | 0.0                       | 78.0               |
| 9/23/1995  | 80         | 4.4                       | 75.6               |
| 9/24/1995  | 92         | 16.8                      | 75.2               |
| 9/25/1995  | 97         | 21.4                      | 75.7               |
| 9/26/1995  | 93         | 17.6                      | 75.4               |
| 9/27/1995  | 103        | 26.4                      | 76.6               |
| 9/28/1995  | 173        | 85.7                      | 87.3               |
| 9/29/1995  | 187        | 89.0                      | 98.0               |
| 9/30/1995  | 160        | 56.8                      | 103.2              |
| 10/1/1995  | 121        | 18.9                      | 102.1              |
| 10/2/1995  | 101        | 2.6                       | 98.4               |
| 10/3/1995  | 130        | 30.6                      | 99.4               |
| 10/4/1995  | 188        | 79.8                      | 108.2              |
| 10/5/1995  | 191        | 75.1                      | 115.9              |
| 10/6/1995  | 163        | 44.6                      | 118.4              |
| 10/7/1995  | 154        | 34.8                      | 119.2              |
| 10/8/1995  | 147        | 28.1                      | 118.9              |
| 10/9/1995  | 156        | 36.1                      | 119.9              |
| 10/10/1995 | 221        | 91.3                      | 129.7              |
| 10/11/1995 | 184        | 51.2                      | 132.8              |
| 10/12/1995 | 108        | 0.0                       | 108.0              |
| 10/13/1995 | 98         | 0.0                       | 98.0               |
| 10/14/1995 | 252        | 136.1                     | 115.9              |
| 10/15/1995 | 574        | 398.9                     | 175.1              |
| 10/16/1995 | 608        | 379.3                     | 228.7              |
| 10/17/1995 | 677        | 394.3                     | 282.7              |
| 10/18/1995 | 986        | 616.1                     | 369.9              |
| 10/19/1995 | 972        | 531.8                     | 440.2              |
| 10/20/1995 | 760        | 290.8                     | 469.2              |
| 10/21/1995 | 638        | 161.7                     | 476.3              |
| 10/22/1995 | 486        | 24.8                      | 461.2              |
| 10/23/1995 | 313        | 0.0                       | 313.0              |
| 10/24/1995 | 202        | 0.0                       | 202.0              |
| 10/25/1995 | 164        | 0.0                       | 164.0              |
| 10/26/1995 | 150        | 0.0                       | 150.0              |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/7/1995   | 188        | 96.4                      | 91.6               |
| 9/8/1995   | 194        | 99.4                      | 94.6               |
| 9/9/1995   | 258        | 158.0                     | 100.0              |
| 9/10/1995  | 301        | 194.2                     | 106.8              |
| 9/11/1995  | 375        | 258.9                     | 116.1              |
| 9/12/1995  | 301        | 179.0                     | 122.0              |
| 9/13/1995  | 281        | 154.0                     | 127.0              |
| 9/14/1995  | 231        | 101.2                     | 129.8              |
| 9/15/1995  | 193        | 62.0                      | 131.0              |
| 9/16/1995  | 164        | 33.0                      | 131.0              |
| 9/17/1995  | 141        | 10.9                      | 130.1              |
| 9/18/1995  | 123        | 0.0                       | 123.0              |
| 9/19/1995  | 114        | 0.0                       | 114.0              |
| 9/20/1995  | 97         | 0.0                       | 97.0               |
| 9/21/1995  | 83         | 0.0                       | 83.0               |
| 9/22/1995  | 74         | 0.0                       | 74.0               |
| 9/23/1995  | 94         | 19.9                      | 74.1               |
| 9/24/1995  | 150        | 73.7                      | 76.3               |
| 9/25/1995  | 100        | 23.6                      | 76.4               |
| 9/26/1995  | 82         | 6.1                       | 75.9               |
| 9/27/1995  | 70         | 0.0                       | 70.0               |
| 9/28/1995  | 68         | 0.0                       | 68.0               |
| 9/29/1995  | 66         | 0.0                       | 66.0               |
| 9/30/1995  | 69         | 3.5                       | 65.5               |
| 10/1/1995  | 60         | 0.0                       | 60.0               |
| 10/2/1995  | 58         | 0.0                       | 58.0               |
| 10/3/1995  | 58         | 0.6                       | 57.4               |
| 10/4/1995  | 60         | 3.0                       | 57.0               |
| 10/5/1995  | 57         | 0.6                       | 56.4               |
| 10/6/1995  | 58         | 2.0                       | 56.0               |
| 10/7/1995  | 64         | 8.3                       | 55.7               |
| 10/8/1995  | 93         | 36.4                      | 56.6               |
| 10/9/1995  | 124        | 65.3                      | 58.7               |
| 10/10/1995 | 133        | 72.0                      | 61.0               |
| 10/11/1995 | 273        | 204.5                     | 68.5               |
| 10/12/1995 | 250        | 175.1                     | 74.9               |
| 10/13/1995 | 219        | 139.3                     | 79.7               |
| 10/14/1995 | 243        | 157.8                     | 85.2               |
| 10/15/1995 | 358        | 263.1                     | 94.9               |
| 10/16/1995 | 266        | 165.5                     | 100.5              |
| 10/17/1995 | 249        | 143.7                     | 105.3              |
| 10/18/1995 | 762        | 632.5                     | 129.5              |
| 10/19/1995 | 818        | 663.2                     | 154.8              |
| 10/20/1995 | 585        | 415.2                     | 169.8              |
| 10/21/1995 | 532        | 349.9                     | 182.1              |
| 10/22/1995 | 405        | 216.1                     | 188.9              |
| 10/23/1995 | 312        | 120.1                     | 191.9              |
| 10/24/1995 | 265        | 72.2                      | 192.8              |
| 10/25/1995 | 230        | 37.6                      | 192.4              |
| 10/26/1995 | 200        | 9.2                       | 190.8              |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/7/1995   | 491        | 326.0                     | 165.0              |
| 9/8/1995   | 372        | 194.7                     | 177.3              |
| 9/9/1995   | 311        | 127.1                     | 183.9              |
| 9/10/1995  | 276        | 88.7                      | 187.3              |
| 9/11/1995  | 339        | 143.9                     | 195.1              |
| 9/12/1995  | 243        | 48.0                      | 195.0              |
| 9/13/1995  | 528        | 311.9                     | 216.1              |
| 9/14/1995  | 280        | 63.2                      | 216.8              |
| 9/15/1995  | 187        | 0.0                       | 187.0              |
| 9/16/1995  | 157        | 0.0                       | 157.0              |
| 9/17/1995  | 132        | 0.0                       | 132.0              |
| 9/18/1995  | 115        | 0.0                       | 115.0              |
| 9/19/1995  | 110        | 0.0                       | 110.0              |
| 9/20/1995  | 104        | 0.0                       | 104.0              |
| 9/21/1995  | 84         | 0.0                       | 84.0               |
| 9/22/1995  | 79         | 0.0                       | 79.0               |
| 9/23/1995  | 79         | 1.5                       | 77.5               |
| 9/24/1995  | 124        | 44.5                      | 79.5               |
| 9/25/1995  | 110        | 29.7                      | 80.3               |
| 9/26/1995  | 87         | 7.7                       | 79.3               |
| 9/27/1995  | 98         | 18.8                      | 79.2               |
| 9/28/1995  | 84         | 5.9                       | 78.1               |
| 9/29/1995  | 76         | 0.0                       | 76.0               |
| 9/30/1995  | 76         | 1.4                       | 74.6               |
| 10/1/1995  | 70         | 0.0                       | 70.0               |
| 10/2/1995  | 73         | 4.1                       | 68.9               |
| 10/3/1995  | 101        | 31.0                      | 70.0               |
| 10/4/1995  | 146        | 71.6                      | 74.4               |
| 10/5/1995  | 114        | 38.1                      | 75.9               |
| 10/6/1995  | 126        | 47.8                      | 78.2               |
| 10/7/1995  | 199        | 113.3                     | 85.7               |
| 10/8/1995  | 231        | 136.1                     | 94.9               |
| 10/9/1995  | 228        | 125.0                     | 103.0              |
| 10/10/1995 | 346        | 226.9                     | 119.1              |
| 10/11/1995 | 413        | 274.3                     | 138.7              |
| 10/12/1995 | 187        | 47.3                      | 139.7              |
| 10/13/1995 | 126        | 0.0                       | 126.0              |
| 10/14/1995 | 118        | 0.0                       | 118.0              |
| 10/15/1995 | 304        | 174.4                     | 129.6              |
| 10/16/1995 | 169        | 38.9                      | 130.1              |
| 10/17/1995 | 218        | 83.8                      | 134.2              |
| 10/18/1995 | 624        | 456.0                     | 168.0              |
| 10/19/1995 | 716        | 510.5                     | 205.5              |
| 10/20/1995 | 413        | 195.9                     | 217.1              |
| 10/21/1995 | 503        | 268.8                     | 234.2              |
| 10/22/1995 | 283        | 49.5                      | 233.5              |
| 10/23/1995 | 573        | 318.7                     | 254.3              |
| 10/24/1995 | 214        | 0.0                       | 214.0              |
| 10/25/1995 | 163        | 0.0                       | 163.0              |
| 10/26/1995 | 154        | 0.0                       | 154.0              |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/26/2005 | 9.7        | 0.0                       | 9.7                |
| 4/27/2005 | 16.7       | 6.7                       | 10.0               |
| 4/28/2005 | 14.7       | 4.5                       | 10.2               |
| 4/29/2005 | 10.9       | 0.8                       | 10.1               |
| 4/30/2005 | 7.7        | 0.0                       | 7.7                |
| 5/1/2005  | 9.1        | 1.4                       | 7.7                |
| 5/2/2005  | 15.2       | 7.1                       | 8.1                |
| 5/3/2005  | 13.7       | 5.4                       | 8.3                |
| 5/4/2005  | 24.6       | 15.2                      | 9.4                |
| 5/5/2005  | 28.5       | 17.9                      | 10.6               |
| 5/6/2005  | 30.7       | 18.8                      | 11.9               |
| 5/7/2005  | 25.6       | 12.9                      | 12.7               |
| 5/8/2005  | 21         | 7.9                       | 13.1               |
| 5/9/2005  | 18.9       | 5.6                       | 13.3               |
| 5/10/2005 | 17.3       | 4.0                       | 13.3               |
| 5/11/2005 | 16.2       | 2.9                       | 13.3               |
| 5/12/2005 | 17.8       | 4.4                       | 13.4               |
| 5/13/2005 | 17         | 3.6                       | 13.4               |
| 5/14/2005 | 14.9       | 1.6                       | 13.3               |
| 5/15/2005 | 15.4       | 2.2                       | 13.2               |
| 5/16/2005 | 14.2       | 1.2                       | 13.0               |
| 5/17/2005 | 13         | 0.2                       | 12.8               |
| 5/18/2005 | 14.4       | 1.7                       | 12.7               |
| 5/19/2005 | 14.4       | 1.9                       | 12.5               |
| 5/20/2005 | 13         | 0.6                       | 12.4               |
| 5/21/2005 | 15.2       | 2.9                       | 12.3               |
| 5/22/2005 | 18.9       | 6.3                       | 12.6               |
| 5/23/2005 | 17.5       | 4.8                       | 12.7               |
| 5/24/2005 | 18.4       | 5.5                       | 12.9               |
| 5/25/2005 | 21.6       | 8.3                       | 13.3               |
| 5/26/2005 | 22.6       | 8.8                       | 13.8               |
| 5/27/2005 | 20.7       | 6.7                       | 14.0               |
| 5/28/2005 | 19.2       | 5.1                       | 14.1               |
| 5/29/2005 | 20.4       | 6.1                       | 14.3               |
| 5/30/2005 | 18.4       | 4.0                       | 14.4               |
| 5/31/2005 | 36.4       | 20.7                      | 15.7               |
| 6/1/2005  | 83.1       | 62.7                      | 20.4               |
| 6/2/2005  | 39.1       | 17.7                      | 21.4               |
| 6/3/2005  | 33.5       | 11.6                      | 21.9               |
| 6/4/2005  | 38.2       | 15.5                      | 22.7               |
| 6/5/2005  | 44.7       | 20.8                      | 23.9               |
| 6/6/2005  | 94.3       | 65.6                      | 28.7               |
| 6/7/2005  | 39.1       | 10.2                      | 28.9               |
| 6/8/2005  | 28.5       | 0.1                       | 28.4               |
| 6/9/2005  | 30.7       | 2.7                       | 28.0               |
| 6/10/2005 | 28.5       | 1.0                       | 27.5               |
| 6/11/2005 | 60.3       | 30.8                      | 29.5               |
| 6/12/2005 | 35.2       | 5.9                       | 29.3               |
| 6/13/2005 | 29.6       | 0.8                       | 28.8               |
| 6/14/2005 | 26.6       | 0.0                       | 26.6               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/27/1995 | 19         | 3.1                       | 15.9               |
| 10/28/1995 | 17         | 1.3                       | 15.7               |
| 10/29/1995 | 15         | 0.0                       | 15.0               |
| 10/30/1995 | 14         | 0.0                       | 14.0               |
| 10/31/1995 | 13         | 0.0                       | 13.0               |
| 11/1/1995  | 10         | 0.0                       | 10.0               |
| 11/2/1995  | 7          | 0.0                       | 7.0                |
| 11/3/1995  | 10         | 2.9                       | 7.1                |
| 11/4/1995  | 9          | 1.9                       | 7.1                |
| 11/5/1995  | 8.8        | 1.7                       | 7.1                |
| 11/6/1995  | 8.4        | 1.3                       | 7.1                |
| 11/7/1995  | 9          | 1.9                       | 7.1                |
| 11/8/1995  | 12         | 4.7                       | 7.3                |
| 11/9/1995  | 10         | 2.6                       | 7.4                |
| 11/10/1995 | 9.3        | 1.9                       | 7.4                |
| 11/11/1995 | 9.1        | 1.7                       | 7.4                |
| 11/12/1995 | 9          | 1.6                       | 7.4                |
| 11/13/1995 | 9          | 1.7                       | 7.3                |
| 11/14/1995 | 8.9        | 1.6                       | 7.3                |
| 11/15/1995 | 8.9        | 1.6                       | 7.3                |
| 11/16/1995 | 8.7        | 1.4                       | 7.3                |
| 11/17/1995 | 8.8        | 1.6                       | 7.2                |
| 11/18/1995 | 8.5        | 1.3                       | 7.2                |
| 11/19/1995 | 8.4        | 1.2                       | 7.2                |
| 11/20/1995 | 8.5        | 1.4                       | 7.1                |
| 11/21/1995 | 8.1        | 1.0                       | 7.1                |
| 11/22/1995 | 7.8        | 0.8                       | 7.0                |
| 11/23/1995 | 7.7        | 0.8                       | 6.9                |
| 11/24/1995 | 7.8        | 0.9                       | 6.9                |
| 11/25/1995 | 7.7        | 0.9                       | 6.8                |
| 11/26/1995 | 7.5        | 0.8                       | 6.7                |
| 11/27/1995 | 7.5        | 0.9                       | 6.6                |
| 11/28/1995 | 7.5        | 0.9                       | 6.6                |
| 11/29/1995 | 8.6        | 2.0                       | 6.6                |
| 11/30/1995 | 8.2        | 1.6                       | 6.6                |
| 12/1/1995  | 7.9        | 1.3                       | 6.6                |
| 12/2/1995  | 7.3        | 0.8                       | 6.5                |
| 12/3/1995  | 6.9        | 0.5                       | 6.4                |
| 12/4/1995  | 6.9        | 0.6                       | 6.3                |
| 12/5/1995  | 7          | 0.7                       | 6.3                |
| 12/6/1995  | 7          | 0.8                       | 6.2                |
| 12/7/1995  | 7.1        | 0.9                       | 6.2                |
| 12/8/1995  | 6.9        | 0.8                       | 6.1                |
| 12/9/1995  | 6.7        | 0.7                       | 6.0                |
| 12/10/1995 | 6.3        | 0.4                       | 5.9                |
| 12/11/1995 | 6.3        | 0.4                       | 5.9                |
| 12/12/1995 | 6.3        | 0.5                       | 5.8                |
| 12/13/1995 | 6.8        | 1.1                       | 5.7                |
| 12/14/1995 | 6.7        | 1.0                       | 5.7                |
| 12/15/1995 | 6.6        | 0.9                       | 5.7                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/27/1995 | 172        | 24.1                      | 147.9              |
| 10/28/1995 | 148        | 5.2                       | 142.8              |
| 10/29/1995 | 101        | 0.0                       | 101.0              |
| 10/30/1995 | 80         | 0.0                       | 80.0               |
| 10/31/1995 | 72         | 0.0                       | 72.0               |
| 11/1/1995  | 68         | 0.0                       | 68.0               |
| 11/2/1995  | 66         | 0.6                       | 65.4               |
| 11/3/1995  | 65         | 1.9                       | 63.1               |
| 11/4/1995  | 64         | 3.0                       | 61.0               |
| 11/5/1995  | 63         | 3.8                       | 59.2               |
| 11/6/1995  | 61         | 3.6                       | 57.4               |
| 11/7/1995  | 64         | 7.7                       | 56.3               |
| 11/8/1995  | 121        | 57.7                      | 63.3               |
| 11/9/1995  | 129        | 58.8                      | 70.2               |
| 11/10/1995 | 76         | 7.4                       | 68.6               |
| 11/11/1995 | 65         | 0.0                       | 65.0               |
| 11/12/1995 | 62         | 0.0                       | 62.0               |
| 11/13/1995 | 60         | 0.4                       | 59.6               |
| 11/14/1995 | 55         | 0.0                       | 55.0               |
| 11/15/1995 | 53         | 0.2                       | 52.8               |
| 11/16/1995 | 52         | 1.1                       | 50.9               |
| 11/17/1995 | 54         | 4.4                       | 49.6               |
| 11/18/1995 | 54         | 5.5                       | 48.5               |
| 11/19/1995 | 51         | 3.9                       | 47.1               |
| 11/20/1995 | 49         | 3.2                       | 45.8               |
| 11/21/1995 | 45         | 0.9                       | 44.1               |
| 11/22/1995 | 41         | 0.0                       | 41.0               |
| 11/23/1995 | 43         | 3.1                       | 39.9               |
| 11/24/1995 | 45         | 5.8                       | 39.2               |
| 11/25/1995 | 41         | 2.9                       | 38.1               |
| 11/26/1995 | 40         | 3.0                       | 37.0               |
| 11/27/1995 | 42         | 5.6                       | 36.4               |
| 11/28/1995 | 42         | 6.0                       | 36.0               |
| 11/29/1995 | 44         | 8.2                       | 35.8               |
| 11/30/1995 | 41         | 5.7                       | 35.3               |
| 12/1/1995  | 38         | 3.5                       | 34.5               |
| 12/2/1995  | 35         | 1.7                       | 33.3               |
| 12/3/1995  | 36         | 3.4                       | 32.6               |
| 12/4/1995  | 36         | 4.1                       | 31.9               |
| 12/5/1995  | 37         | 5.5                       | 31.5               |
| 12/6/1995  | 39         | 7.5                       | 31.5               |
| 12/7/1995  | 38         | 6.7                       | 31.3               |
| 12/8/1995  | 35         | 4.3                       | 30.7               |
| 12/9/1995  | 34         | 3.9                       | 30.1               |
| 12/10/1995 | 29         | 0.1                       | 28.9               |
| 12/11/1995 | 27         | 0.0                       | 27.0               |
| 12/12/1995 | 32         | 5.2                       | 26.8               |
| 12/13/1995 | 34         | 7.2                       | 26.8               |
| 12/14/1995 | 34         | 7.1                       | 26.9               |
| 12/15/1995 | 34         | 7.1                       | 26.9               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/27/1995 | 179        | 0.0                       | 179.0              |
| 10/28/1995 | 163        | 0.0                       | 163.0              |
| 10/29/1995 | 138        | 0.0                       | 138.0              |
| 10/30/1995 | 114        | 0.0                       | 114.0              |
| 10/31/1995 | 97         | 0.0                       | 97.0               |
| 11/1/1995  | 88         | 0.0                       | 88.0               |
| 11/2/1995  | 79         | 0.0                       | 79.0               |
| 11/3/1995  | 70         | 0.0                       | 70.0               |
| 11/4/1995  | 65         | 0.0                       | 65.0               |
| 11/5/1995  | 61         | 0.0                       | 61.0               |
| 11/6/1995  | 59         | 0.0                       | 59.0               |
| 11/7/1995  | 58         | 0.0                       | 58.0               |
| 11/8/1995  | 60         | 2.5                       | 57.5               |
| 11/9/1995  | 57         | 0.1                       | 56.9               |
| 11/10/1995 | 53         | 0.0                       | 53.0               |
| 11/11/1995 | 52         | 0.0                       | 52.0               |
| 11/12/1995 | 49         | 0.0                       | 49.0               |
| 11/13/1995 | 47         | 0.0                       | 47.0               |
| 11/14/1995 | 45         | 0.0                       | 45.0               |
| 11/15/1995 | 42         | 0.0                       | 42.0               |
| 11/16/1995 | 40         | 0.0                       | 40.0               |
| 11/17/1995 | 39         | 0.0                       | 39.0               |
| 11/18/1995 | 37         | 0.0                       | 37.0               |
| 11/19/1995 | 37         | 0.4                       | 36.6               |
| 11/20/1995 | 36         | 0.0                       | 36.0               |
| 11/21/1995 | 35         | 0.0                       | 35.0               |
| 11/22/1995 | 34         | 0.0                       | 34.0               |
| 11/23/1995 | 33         | 0.0                       | 33.0               |
| 11/24/1995 | 31         | 0.0                       | 31.0               |
| 11/25/1995 | 31         | 0.3                       | 30.7               |
| 11/26/1995 | 30         | 0.0                       | 30.0               |
| 11/27/1995 | 30         | 0.3                       | 29.7               |
| 11/28/1995 | 29         | 0.0                       | 29.0               |
| 11/29/1995 | 29         | 0.3                       | 28.7               |
| 11/30/1995 | 29         | 0.5                       | 28.5               |
| 12/1/1995  | 28         | 0.0                       | 28.0               |
| 12/2/1995  | 26         | 0.0                       | 26.0               |
| 12/3/1995  | 26         | 0.3                       | 25.8               |
| 12/4/1995  | 25         | 0.0                       | 25.0               |
| 12/5/1995  | 24         | 0.0                       | 24.0               |
| 12/6/1995  | 23         | 0.0                       | 23.0               |
| 12/7/1995  | 22         | 0.0                       | 22.0               |
| 12/8/1995  | 21         | 0.0                       | 21.0               |
| 12/9/1995  | 20         | 0.0                       | 20.0               |
| 12/10/1995 | 20         | 0.2                       | 19.8               |
| 12/11/1995 | 19         | 0.0                       | 19.0               |
| 12/12/1995 | 18         | 0.0                       | 18.0               |
| 12/13/1995 | 17         | 0.0                       | 17.0               |
| 12/14/1995 | 16         | 0.0                       | 16.0               |
| 12/15/1995 | 16         | 0.2                       | 15.8               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/27/1995 | 166        | 14.0                      | 152.0              |
| 10/28/1995 | 82         | 0.0                       | 82.0               |
| 10/29/1995 | 104        | 21.9                      | 82.1               |
| 10/30/1995 | 84         | 3.3                       | 80.7               |
| 10/31/1995 | 68         | 0.0                       | 68.0               |
| 11/1/1995  | 82         | 14.2                      | 67.8               |
| 11/2/1995  | 41         | 0.0                       | 41.0               |
| 11/3/1995  | 44         | 3.5                       | 40.5               |
| 11/4/1995  | 44         | 4.0                       | 40.0               |
| 11/5/1995  | 41         | 1.7                       | 39.3               |
| 11/6/1995  | 38         | 0.0                       | 38.0               |
| 11/7/1995  | 38         | 0.7                       | 37.3               |
| 11/8/1995  | 68         | 29.1                      | 38.9               |
| 11/9/1995  | 126        | 81.4                      | 44.6               |
| 11/10/1995 | 82         | 35.4                      | 46.6               |
| 11/11/1995 | 73         | 25.3                      | 47.7               |
| 11/12/1995 | 52         | 4.9                       | 47.1               |
| 11/13/1995 | 54         | 7.3                       | 46.7               |
| 11/14/1995 | 54         | 7.6                       | 46.4               |
| 11/16/1995 | 49         | 3.5                       | 45.5               |
| 11/17/1995 | 38         | 0.0                       | 38.0               |
| 11/18/1995 | 38         | 0.7                       | 37.3               |
| 11/19/1995 | 41         | 4.1                       | 36.9               |
| 11/20/1995 | 38         | 1.7                       | 36.3               |
| 11/21/1995 | 38         | 2.3                       | 35.7               |
| 11/22/1995 | 52         | 15.7                      | 36.3               |
| 11/23/1995 | 54         | 17.1                      | 36.9               |
| 11/24/1995 | 53         | 15.6                      | 37.4               |
| 11/25/1995 | 52         | 14.2                      | 37.8               |
| 11/26/1995 | 53         | 14.8                      | 38.2               |
| 11/27/1995 | 54         | 15.3                      | 38.7               |
| 11/28/1995 | 55         | 15.8                      | 39.2               |
| 11/29/1995 | 56         | 16.3                      | 39.7               |
| 11/30/1995 | 55         | 14.9                      | 40.1               |
| 12/1/1995  | 54         | 13.6                      | 40.4               |
| 12/2/1995  | 53         | 12.4                      | 40.6               |
| 12/3/1995  | 54         | 13.2                      | 40.8               |
| 12/4/1995  | 54         | 13.0                      | 41.0               |
| 12/5/1995  | 52         | 10.9                      | 41.1               |
| 12/6/1995  | 54         | 12.7                      | 41.3               |
| 12/7/1995  | 52         | 10.7                      | 41.3               |
| 12/8/1995  | 52         | 10.7                      | 41.3               |
| 12/9/1995  | 50         | 8.8                       | 41.2               |
| 12/10/1995 | 47         | 7.0                       | 41.0               |
| 12/11/1995 | 48         | 6.4                       | 40.6               |
| 12/12/1995 | 45         | 4.8                       | 40.2               |
| 12/13/1995 | 44         | 4.2                       | 39.8               |
| 12/14/1995 | 44         | 4.7                       | 39.3               |
| 12/15/1995 | 44         | 5.1                       | 38.9               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/15/2005 | 29.6       | 3.3                       | 26.3               |
| 6/16/2005 | 40         | 13.1                      | 26.9               |
| 6/17/2005 | 25.6       | 0.0                       | 25.6               |
| 6/18/2005 | 23.2       | 0.0                       | 23.2               |
| 6/19/2005 | 24.6       | 1.7                       | 22.9               |
| 6/20/2005 | 26.6       | 3.9                       | 22.7               |
| 6/21/2005 | 28.5       | 5.8                       | 22.7               |
| 6/22/2005 | 37.8       | 14.4                      | 23.4               |
| 6/23/2005 | 39.5       | 15.3                      | 24.2               |
| 6/24/2005 | 81         | 59.1                      | 21.9               |
| 6/25/2005 | 57.4       | 27.8                      | 29.6               |
| 6/26/2005 | 36.9       | 7.3                       | 29.6               |
| 6/27/2005 | 34.7       | 5.3                       | 29.4               |
| 6/28/2005 | 31.9       | 2.8                       | 29.1               |
| 6/29/2005 | 31.5       | 2.8                       | 28.7               |
| 6/30/2005 | 31.1       | 2.7                       | 28.4               |
| 7/1/2005  | 30         | 2.0                       | 28.0               |
| 7/2/2005  | 27.4       | 0.0                       | 27.4               |
| 7/3/2005  | 42.8       | 14.8                      | 28.0               |
| 7/4/2005  | 32.3       | 4.5                       | 27.8               |
| 7/5/2005  | 22.6       | 0.0                       | 22.6               |
| 7/6/2005  | 19.5       | 0.0                       | 19.5               |
| 7/7/2005  | 19.8       | 0.6                       | 19.2               |
| 7/8/2005  | 17.8       | 0.0                       | 17.8               |
| 7/9/2005  | 17.8       | 0.3                       | 17.5               |
| 7/10/2005 | 35.2       | 16.7                      | 18.5               |
| 7/11/2005 | 22.9       | 4.5                       | 18.4               |
| 7/12/2005 | 21         | 2.7                       | 18.3               |
| 7/13/2005 | 18.1       | 0.2                       | 17.9               |
| 7/14/2005 | 16.7       | 0.0                       | 16.7               |
| 7/15/2005 | 14.4       | 0.0                       | 14.4               |
| 7/16/2005 | 14         | 0.0                       | 14.0               |
| 7/17/2005 | 13.7       | 0.0                       | 13.7               |
| 7/18/2005 | 12.4       | 0.0                       | 12.4               |
| 7/19/2005 | 10.9       | 0.0                       | 10.9               |
| 7/20/2005 | 10.9       | 0.2                       | 10.7               |
| 7/21/2005 | 10.5       | 0.0                       | 10.5               |
| 7/22/2005 | 10.5       | 0.2                       | 10.3               |
| 7/23/2005 | 10.9       | 0.8                       | 10.1               |
| 7/24/2005 | 13.5       | 3.3                       | 10.2               |
| 7/25/2005 | 14.7       | 4.3                       | 10.4               |
| 7/26/2005 | 13.5       | 3.1                       | 10.4               |
| 7/27/2005 | 12.6       | 2.2                       | 10.4               |
| 7/28/2005 | 11.5       | 1.2                       | 10.3               |
| 7/29/2005 | 9.9        | 0.0                       | 9.9                |
| 7/30/2005 | 9.9        | 0.2                       | 9.7                |
| 7/31/2005 | 10.9       | 1.3                       | 9.6                |
| 8/1/2005  | 28.8       | 17.9                      | 10.9               |
| 8/2/2005  | 16.5       | 5.4                       | 11.1               |
| 8/3/2005  | 15.2       | 4.0                       | 11.2               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/16/1995 | 6.5        | 0.9                       | 5.6                |
| 12/17/1995 | 6.2        | 0.6                       | 5.6                |
| 12/18/1995 | 6.1        | 0.6                       | 5.5                |
| 12/19/1995 | 7.1        | 1.6                       | 5.5                |
| 12/20/1995 | 6.7        | 1.2                       | 5.5                |
| 12/21/1995 | 6.2        | 0.7                       | 5.5                |
| 12/22/1995 | 6.2        | 0.8                       | 5.4                |
| 12/23/1995 | 6.4        | 1.0                       | 5.4                |
| 12/24/1995 | 6.3        | 0.9                       | 5.4                |
| 12/25/1995 | 6.3        | 1.0                       | 5.3                |
| 12/26/1995 | 5.9        | 0.6                       | 5.3                |
| 12/27/1995 | 5.8        | 0.6                       | 5.2                |
| 12/28/1995 | 5.7        | 0.6                       | 5.1                |
| 12/29/1995 | 5.7        | 0.6                       | 5.1                |
| 12/30/1995 | 5.8        | 0.7                       | 5.1                |
| 12/31/1995 | 6          | 1.0                       | 5.0                |
| 1/1/1996   | 21         | 14.9                      | 6.1                |
| 1/2/1996   | 22         | 14.8                      | 7.2                |
| 1/3/1996   | 23         | 14.8                      | 8.2                |
| 1/4/1996   | 18         | 9.2                       | 8.8                |
| 1/5/1996   | 15         | 5.9                       | 9.1                |
| 1/6/1996   | 15         | 5.6                       | 9.4                |
| 1/7/1996   | 11         | 1.7                       | 9.3                |
| 1/8/1996   | 11         | 1.7                       | 9.3                |
| 1/9/1996   | 10         | 0.9                       | 9.1                |
| 1/10/1996  | 8.9        | 0.0                       | 8.9                |
| 1/11/1996  | 9.5        | 0.7                       | 8.8                |
| 1/12/1996  | 11         | 2.2                       | 8.8                |
| 1/13/1996  | 7.2        | 0.0                       | 7.2                |
| 1/14/1996  | 6.9        | 0.0                       | 6.9                |
| 1/15/1996  | 6.7        | 0.0                       | 6.7                |
| 1/16/1996  | 6.5        | 0.0                       | 6.5                |
| 1/17/1996  | 6.8        | 0.4                       | 6.4                |
| 1/18/1996  | 6.9        | 0.6                       | 6.3                |
| 1/19/1996  | 7          | 0.7                       | 6.3                |
| 1/20/1996  | 6.7        | 0.5                       | 6.2                |
| 1/21/1996  | 6.3        | 0.2                       | 6.1                |
| 1/22/1996  | 6.1        | 0.1                       | 6.0                |
| 1/23/1996  | 5.9        | 0.1                       | 5.8                |
| 1/24/1996  | 6          | 0.3                       | 5.7                |
| 1/25/1996  | 6.5        | 0.8                       | 5.7                |
| 1/26/1996  | 6.2        | 0.6                       | 5.6                |
| 1/27/1996  | 9.6        | 3.8                       | 5.8                |
| 1/28/1996  | 7          | 1.2                       | 5.8                |
| 1/29/1996  | 6.3        | 0.6                       | 5.7                |
| 1/30/1996  | 6          | 0.4                       | 5.6                |
| 1/31/1996  | 5.9        | 0.3                       | 5.6                |
| 2/1/1996   | 6          | 0.5                       | 5.5                |
| 2/2/1996   | 6.2        | 0.8                       | 5.4                |
| 2/3/1996   | 7.8        | 2.3                       | 5.5                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/16/1995 | 34         | 7.0                       | 27.0               |
| 12/17/1995 | 33         | 6.1                       | 26.9               |
| 12/18/1995 | 33         | 6.2                       | 26.8               |
| 12/19/1995 | 33         | 6.3                       | 26.7               |
| 12/20/1995 | 31         | 4.6                       | 26.4               |
| 12/21/1995 | 26         | 0.6                       | 25.4               |
| 12/22/1995 | 24         | 0.0                       | 24.0               |
| 12/23/1995 | 23         | 0.0                       | 23.0               |
| 12/24/1995 | 25         | 2.5                       | 22.5               |
| 12/25/1995 | 27         | 4.7                       | 22.3               |
| 12/26/1995 | 25         | 3.1                       | 21.9               |
| 12/27/1995 | 25         | 3.4                       | 21.6               |
| 12/28/1995 | 27         | 5.4                       | 21.6               |
| 12/29/1995 | 27         | 5.4                       | 21.6               |
| 12/30/1995 | 29         | 7.1                       | 21.9               |
| 12/31/1995 | 31         | 8.6                       | 22.4               |
| 1/1/1996   | 44         | 19.4                      | 24.6               |
| 1/2/1996   | 98         | 64.1                      | 33.9               |
| 1/3/1996   | 119        | 74.6                      | 44.4               |
| 1/4/1996   | 95         | 45.1                      | 49.9               |
| 1/5/1996   | 64         | 13.9                      | 50.1               |
| 1/6/1996   | 48         | 0.0                       | 48.0               |
| 1/7/1996   | 43         | 0.0                       | 43.0               |
| 1/8/1996   | 41         | 0.0                       | 41.0               |
| 1/9/1996   | 75         | 30.7                      | 44.3               |
| 1/10/1996  | 89         | 40.1                      | 48.9               |
| 1/11/1996  | 43         | 0.0                       | 43.0               |
| 1/12/1996  | 40         | 0.0                       | 40.0               |
| 1/13/1996  | 46         | 6.6                       | 39.4               |
| 1/14/1996  | 44         | 5.3                       | 38.7               |
| 1/15/1996  | 42         | 4.2                       | 37.8               |
| 1/16/1996  | 40         | 3.2                       | 36.8               |
| 1/17/1996  | 39         | 3.1                       | 35.9               |
| 1/18/1996  | 38         | 3.1                       | 34.9               |
| 1/19/1996  | 30         | 0.0                       | 30.0               |
| 1/20/1996  | 22         | 0.0                       | 22.0               |
| 1/21/1996  | 22         | 0.8                       | 21.2               |
| 1/22/1996  | 21         | 0.5                       | 20.5               |
| 1/23/1996  | 22         | 2.0                       | 20.0               |
| 1/24/1996  | 23         | 3.3                       | 19.7               |
| 1/25/1996  | 21         | 1.8                       | 19.2               |
| 1/26/1996  | 26         | 6.5                       | 19.5               |
| 1/27/1996  | 40         | 18.4                      | 21.6               |
| 1/28/1996  | 48         | 23.5                      | 24.5               |
| 1/29/1996  | 86         | 53.8                      | 32.2               |
| 1/30/1996  | 73         | 36.3                      | 36.7               |
| 1/31/1996  | 32         | 0.0                       | 32.0               |
| 2/1/1996   | 27         | 0.0                       | 27.0               |
| 2/2/1996   | 27         | 0.9                       | 26.1               |
| 2/3/1996   | 32         | 6.0                       | 26.0               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/16/1995 | 18         | 2.2                       | 15.8               |
| 12/17/1995 | 20         | 4.2                       | 15.8               |
| 12/18/1995 | 20         | 4.2                       | 15.8               |
| 12/19/1995 | 19         | 3.2                       | 15.8               |
| 12/20/1995 | 19         | 3.3                       | 15.7               |
| 12/21/1995 | 18         | 2.3                       | 15.7               |
| 12/22/1995 | 17         | 1.4                       | 15.6               |
| 12/23/1995 | 17         | 1.5                       | 15.5               |
| 12/24/1995 | 17         | 1.6                       | 15.4               |
| 12/25/1995 | 17         | 1.7                       | 15.3               |
| 12/26/1995 | 17         | 1.8                       | 15.2               |
| 12/27/1995 | 17         | 1.9                       | 15.1               |
| 12/28/1995 | 17         | 1.9                       | 15.1               |
| 12/29/1995 | 17         | 2.0                       | 15.0               |
| 12/30/1995 | 16         | 1.1                       | 14.9               |
| 12/31/1995 | 17         | 2.2                       | 14.8               |
| 1/1/1996   | 31         | 15.7                      | 15.3               |
| 1/2/1996   | 59         | 42.2                      | 16.8               |
| 1/3/1996   | 87         | 67.6                      | 19.4               |
| 1/4/1996   | 74         | 52.7                      | 21.3               |
| 1/5/1996   | 58         | 35.5                      | 22.5               |
| 1/6/1996   | 50         | 26.7                      | 23.3               |
| 1/7/1996   | 46         | 22.0                      | 24.0               |
| 1/8/1996   | 42         | 17.5                      | 24.5               |
| 1/9/1996   | 46         | 21.0                      | 25.0               |
| 1/10/1996  | 39         | 13.7                      | 25.3               |
| 1/11/1996  | 34         | 8.6                       | 25.4               |
| 1/12/1996  | 37         | 11.4                      | 25.6               |
| 1/13/1996  | 35         | 9.3                       | 25.7               |
| 1/14/1996  | 32         | 6.3                       | 25.7               |
| 1/15/1996  | 30         | 4.3                       | 25.7               |
| 1/16/1996  | 29         | 3.5                       | 25.5               |
| 1/17/1996  | 28         | 2.6                       | 25.4               |
| 1/18/1996  | 27         | 1.8                       | 25.2               |
| 1/19/1996  | 27         | 2.0                       | 25.0               |
| 1/20/1996  | 26         | 1.2                       | 24.8               |
| 1/21/1996  | 25         | 0.4                       | 24.6               |
| 1/22/1996  | 24         | 0.0                       | 24.0               |
| 1/23/1996  | 24         | 0.2                       | 23.8               |
| 1/24/1996  | 23         | 0.0                       | 23.0               |
| 1/25/1996  | 23         | 0.2                       | 22.8               |
| 1/26/1996  | 22         | 0.0                       | 22.0               |
| 1/27/1996  | 36         | 13.7                      | 22.3               |
| 1/28/1996  | 29         | 6.6                       | 22.4               |
| 1/29/1996  | 27         | 4.7                       | 22.3               |
| 1/30/1996  | 25         | 2.8                       | 22.2               |
| 1/31/1996  | 25         | 2.9                       | 22.1               |
| 2/1/1996   | 24         | 2.0                       | 22.0               |
| 2/2/1996   | 24         | 2.2                       | 21.8               |
| 2/3/1996   | 32         | 10.0                      | 22.0               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/16/1995 | 44         | 5.4                       | 38.6               |
| 12/17/1995 | 45         | 6.6                       | 38.4               |
| 12/18/1995 | 45         | 6.9                       | 38.1               |
| 12/19/1995 | 44         | 6.1                       | 37.9               |
| 12/20/1995 | 41         | 3.6                       | 37.4               |
| 12/21/1995 | 42         | 5.0                       | 37.0               |
| 12/22/1995 | 41         | 4.3                       | 36.7               |
| 12/23/1995 | 41         | 4.7                       | 36.3               |
| 12/24/1995 | 40         | 4.1                       | 35.9               |
| 12/25/1995 | 39         | 3.5                       | 35.5               |
| 12/26/1995 | 38         | 3.0                       | 35.0               |
| 12/27/1995 | 38         | 3.4                       | 34.6               |
| 12/28/1995 | 38         | 3.8                       | 34.2               |
| 12/29/1995 | 36         | 2.3                       | 33.7               |
| 12/30/1995 | 34         | 0.9                       | 33.1               |
| 12/31/1995 | 37         | 4.2                       | 32.8               |
| 1/1/1996   | 47         | 13.8                      | 33.2               |
| 1/2/1996   | 107        | 68.9                      | 38.1               |
| 1/3/1996   | 146        | 100.6                     | 45.4               |
| 1/4/1996   | 97         | 48.7                      | 48.3               |
| 1/5/1996   | 67         | 18.2                      | 48.8               |
| 1/6/1996   | 39         | 0.0                       | 39.0               |
| 1/7/1996   | 39         | 0.7                       | 38.3               |
| 1/8/1996   | 36         | 0.0                       | 36.0               |
| 1/9/1996   | 48         | 11.8                      | 36.2               |
| 1/10/1996  | 76         | 37.5                      | 38.5               |
| 1/11/1996  | 60         | 20.6                      | 39.4               |
| 1/12/1996  | 57         | 17.0                      | 40.0               |
| 1/13/1996  | 56         | 15.6                      | 40.4               |
| 1/14/1996  | 51         | 10.6                      | 40.4               |
| 1/15/1996  | 50         | 9.6                       | 40.4               |
| 1/16/1996  | 49         | 8.7                       | 40.3               |
| 1/17/1996  | 45         | 5.1                       | 39.9               |
| 1/18/1996  | 43         | 3.6                       | 39.4               |
| 1/19/1996  | 39         | 0.4                       | 38.6               |
| 1/20/1996  | 31         | 0.0                       | 31.0               |
| 1/21/1996  | 30         | 0.0                       | 30.0               |
| 1/22/1996  | 49         | 18.1                      | 30.9               |
| 1/23/1996  | 70         | 36.8                      | 33.2               |
| 1/24/1996  | 50         | 16.2                      | 33.8               |
| 1/25/1996  | 29         | 0.0                       | 29.0               |
| 1/26/1996  | 28         | 0.0                       | 28.0               |
| 1/27/1996  | 32         | 4.2                       | 27.8               |
| 1/28/1996  | 30         | 2.6                       | 27.4               |
| 1/29/1996  | 32         | 4.7                       | 27.3               |
| 1/30/1996  | 40         | 12.3                      | 27.7               |
| 1/31/1996  | 31         | 3.6                       | 27.4               |
| 2/1/1996   | 24         | 0.0                       | 24.0               |
| 2/2/1996   | 25         | 1.4                       | 23.6               |
| 2/3/1996   | 31         | 7.3                       | 23.7               |



## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/4/2005  | 14.9       | 3.6                       | 11.3               |
| 8/5/2005  | 15.9       | 4.5                       | 11.4               |
| 8/6/2005  | 17         | 5.4                       | 11.6               |
| 8/7/2005  | 28.1       | 15.5                      | 12.6               |
| 8/8/2005  | 32.7       | 18.8                      | 13.9               |
| 8/9/2005  | 22.3       | 8.1                       | 14.2               |
| 8/10/2005 | 21         | 6.5                       | 14.5               |
| 8/11/2005 | 23.6       | 8.7                       | 14.9               |
| 8/12/2005 | 23.6       | 8.4                       | 15.2               |
| 8/13/2005 | 21         | 5.6                       | 15.4               |
| 8/14/2005 | 18.7       | 3.4                       | 15.3               |
| 8/15/2005 | 17.8       | 2.6                       | 15.2               |
| 8/16/2005 | 15.9       | 0.9                       | 15.0               |
| 8/17/2005 | 14.7       | 0.0                       | 14.7               |
| 8/18/2005 | 14         | 0.0                       | 14.0               |
| 8/19/2005 | 14.7       | 0.9                       | 13.8               |
| 8/20/2005 | 15.7       | 2.0                       | 13.7               |
| 8/21/2005 | 17.5       | 3.8                       | 13.7               |
| 8/22/2005 | 17.5       | 3.8                       | 13.7               |
| 8/23/2005 | 17         | 3.3                       | 13.7               |
| 8/24/2005 | 19.2       | 5.3                       | 13.9               |
| 8/25/2005 | 28.1       | 13.4                      | 14.7               |
| 8/26/2005 | 22         | 7.1                       | 14.9               |
| 8/27/2005 | 23.6       | 8.3                       | 15.3               |
| 8/28/2005 | 25.9       | 10.1                      | 15.8               |
| 8/29/2005 | 24.6       | 8.4                       | 16.2               |
| 8/30/2005 | 31.9       | 14.9                      | 17.0               |
| 8/31/2005 | 32.7       | 14.8                      | 17.9               |
| 9/1/2005  | 35.2       | 16.4                      | 18.8               |
| 9/2/2005  | 44.2       | 23.8                      | 20.4               |
| 9/3/2005  | 38.2       | 16.9                      | 21.3               |
| 9/4/2005  | 36         | 14.0                      | 22.0               |
| 9/5/2005  | 37.3       | 14.6                      | 22.7               |
| 9/6/2005  | 50.3       | 26.0                      | 24.3               |
| 9/7/2005  | 62.7       | 36.0                      | 26.7               |
| 9/8/2005  | 79.6       | 49.4                      | 30.2               |
| 9/9/2005  | 76.1       | 43.1                      | 33.0               |
| 9/10/2005 | 74.1       | 38.7                      | 35.4               |
| 9/11/2005 | 71.5       | 34.0                      | 37.5               |
| 9/12/2005 | 64.5       | 25.7                      | 38.8               |
| 9/13/2005 | 60.9       | 21.2                      | 39.7               |
| 9/14/2005 | 59.1       | 18.7                      | 40.4               |
| 9/15/2005 | 58.6       | 17.6                      | 41.0               |
| 9/16/2005 | 56.3       | 14.9                      | 41.4               |
| 9/17/2005 | 51.9       | 10.5                      | 41.4               |
| 9/18/2005 | 50.3       | 9.0                       | 41.3               |
| 9/19/2005 | 53.5       | 12.1                      | 41.4               |
| 9/20/2005 | 56.8       | 15.0                      | 41.8               |
| 9/21/2005 | 202.6      | 149.7                     | 52.9               |
| 9/22/2005 | 95.1       | 40.0                      | 55.1               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/4/1996  | 6.9        | 1.4                       | 5.5                |
| 2/5/1996  | 6          | 0.6                       | 5.4                |
| 2/6/1996  | 5.8        | 0.4                       | 5.4                |
| 2/7/1996  | 5.6        | 0.3                       | 5.3                |
| 2/8/1996  | 5.7        | 0.5                       | 5.2                |
| 2/9/1996  | 5.6        | 0.4                       | 5.2                |
| 2/10/1996 | 5.7        | 0.6                       | 5.1                |
| 2/11/1996 | 6          | 0.9                       | 5.1                |
| 2/12/1996 | 5.7        | 0.7                       | 5.0                |
| 2/13/1996 | 5.8        | 0.8                       | 5.0                |
| 2/14/1996 | 5.8        | 0.8                       | 5.0                |
| 2/15/1996 | 5.4        | 0.5                       | 4.9                |
| 2/16/1996 | 5.5        | 0.6                       | 4.9                |
| 2/17/1996 | 5.3        | 0.5                       | 4.8                |
| 2/18/1996 | 5.2        | 0.5                       | 4.7                |
| 2/19/1996 | 5.1        | 0.4                       | 4.7                |
| 2/20/1996 | 4.9        | 0.3                       | 4.6                |
| 2/21/1996 | 4.8        | 0.3                       | 4.5                |
| 2/22/1996 | 4.8        | 0.3                       | 4.5                |
| 2/23/1996 | 5.2        | 0.8                       | 4.4                |
| 2/24/1996 | 5          | 0.6                       | 4.4                |
| 2/25/1996 | 4.8        | 0.5                       | 4.3                |
| 2/26/1996 | 4.4        | 0.1                       | 4.3                |
| 2/27/1996 | 4.4        | 0.2                       | 4.2                |
| 2/28/1996 | 4.7        | 0.5                       | 4.2                |
| 2/29/1996 | 4.7        | 0.6                       | 4.1                |
| 3/1/1996  | 4.7        | 0.6                       | 4.1                |
| 3/2/1996  | 5.3        | 1.2                       | 4.1                |
| 3/3/1996  | 5          | 0.9                       | 4.1                |
| 3/4/1996  | 4.7        | 0.6                       | 4.1                |
| 3/5/1996  | 4.5        | 0.5                       | 4.0                |
| 3/6/1996  | 4.3        | 0.3                       | 4.0                |
| 3/7/1996  | 4.2        | 0.3                       | 3.9                |
| 3/8/1996  | 4.1        | 0.2                       | 3.9                |
| 3/9/1996  | 4.1        | 0.3                       | 3.8                |
| 3/10/1996 | 7.9        | 3.9                       | 4.0                |
| 3/11/1996 | 121        | 108.4                     | 12.6               |
| 3/12/1996 | 69         | 52.4                      | 16.6               |
| 3/13/1996 | 34         | 16.5                      | 17.5               |
| 3/14/1996 | 29         | 10.9                      | 18.1               |
| 3/15/1996 | 24         | 5.8                       | 18.2               |
| 3/16/1996 | 23         | 4.8                       | 18.2               |
| 3/17/1996 | 20         | 2.0                       | 18.0               |
| 3/18/1996 | 21         | 3.1                       | 17.9               |
| 3/19/1996 | 18         | 0.4                       | 17.6               |
| 3/20/1996 | 16         | 0.0                       | 16.0               |
| 3/21/1996 | 13         | 0.0                       | 13.0               |
| 3/22/1996 | 14         | 1.2                       | 12.8               |
| 3/23/1996 | 12         | 0.0                       | 12.0               |
| 3/24/1996 | 12         | 0.2                       | 11.8               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/4/1996  | 35         | 8.7                       | 26.3               |
| 2/5/1996  | 34         | 7.5                       | 26.5               |
| 2/6/1996  | 40         | 12.6                      | 27.4               |
| 2/7/1996  | 79         | 45.4                      | 33.6               |
| 2/8/1996  | 72         | 34.3                      | 37.7               |
| 2/9/1996  | 34         | 0.0                       | 34.0               |
| 2/10/1996 | 28         | 0.0                       | 28.0               |
| 2/11/1996 | 27         | 0.1                       | 26.9               |
| 2/12/1996 | 26         | 0.2                       | 25.8               |
| 2/13/1996 | 25         | 0.2                       | 24.8               |
| 2/14/1996 | 25         | 1.0                       | 24.0               |
| 2/15/1996 | 26         | 2.5                       | 23.5               |
| 2/16/1996 | 26         | 3.0                       | 23.0               |
| 2/17/1996 | 26         | 3.4                       | 22.6               |
| 2/18/1996 | 27         | 4.6                       | 22.4               |
| 2/19/1996 | 27         | 4.7                       | 22.3               |
| 2/20/1996 | 26         | 4.0                       | 22.0               |
| 2/21/1996 | 27         | 5.0                       | 22.0               |
| 2/22/1996 | 27         | 5.1                       | 21.9               |
| 2/23/1996 | 27         | 5.2                       | 21.8               |
| 2/24/1996 | 28         | 6.1                       | 21.9               |
| 2/25/1996 | 29         | 6.8                       | 22.2               |
| 2/26/1996 | 27         | 4.9                       | 22.1               |
| 2/27/1996 | 26         | 4.2                       | 21.8               |
| 2/28/1996 | 27         | 5.2                       | 21.8               |
| 2/29/1996 | 27         | 5.2                       | 21.8               |
| 3/1/1996  | 30         | 7.8                       | 22.2               |
| 3/2/1996  | 44         | 19.6                      | 24.4               |
| 3/3/1996  | 56         | 28.1                      | 27.9               |
| 3/4/1996  | 63         | 31.2                      | 31.8               |
| 3/5/1996  | 67         | 31.4                      | 35.6               |
| 3/6/1996  | 53         | 16.3                      | 36.7               |
| 3/7/1996  | 34         | 0.0                       | 34.0               |
| 3/8/1996  | 28         | 0.0                       | 28.0               |
| 3/9/1996  | 25         | 0.0                       | 25.0               |
| 3/10/1996 | 79         | 47.4                      | 31.6               |
| 3/11/1996 | 531        | 431.6                     | 99.4               |
| 3/12/1996 | 917        | 708.3                     | 208.7              |
| 3/13/1996 | 706        | 435.9                     | 270.1              |
| 3/14/1996 | 388        | 110.9                     | 277.1              |
| 3/15/1996 | 190        | 0.0                       | 190.0              |
| 3/16/1996 | 165        | 0.0                       | 165.0              |
| 3/17/1996 | 140        | 0.0                       | 140.0              |
| 3/18/1996 | 99         | 0.0                       | 99.0               |
| 3/19/1996 | 66         | 0.0                       | 66.0               |
| 3/20/1996 | 57         | 0.0                       | 57.0               |
| 3/21/1996 | 53         | 0.0                       | 53.0               |
| 3/22/1996 | 52         | 1.0                       | 51.0               |
| 3/23/1996 | 53         | 3.5                       | 49.5               |
| 3/24/1996 | 54         | 5.5                       | 48.5               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/4/1996  | 29         | 6.9                       | 22.1               |
| 2/5/1996  | 26         | 4.0                       | 22.0               |
| 2/6/1996  | 27         | 5.0                       | 22.0               |
| 2/7/1996  | 32         | 9.8                       | 22.2               |
| 2/8/1996  | 28         | 5.8                       | 22.2               |
| 2/9/1996  | 26         | 3.9                       | 22.1               |
| 2/10/1996 | 25         | 3.0                       | 22.0               |
| 2/11/1996 | 24         | 2.1                       | 21.9               |
| 2/12/1996 | 23         | 1.3                       | 21.7               |
| 2/13/1996 | 22         | 0.5                       | 21.5               |
| 2/14/1996 | 22         | 0.7                       | 21.3               |
| 2/15/1996 | 23         | 1.8                       | 21.2               |
| 2/16/1996 | 20         | 0.0                       | 20.0               |
| 2/17/1996 | 18         | 0.0                       | 18.0               |
| 2/18/1996 | 19         | 1.1                       | 17.9               |
| 2/19/1996 | 18         | 0.3                       | 17.7               |
| 2/20/1996 | 20         | 2.4                       | 17.6               |
| 2/21/1996 | 20         | 2.5                       | 17.5               |
| 2/22/1996 | 19         | 1.6                       | 17.4               |
| 2/23/1996 | 20         | 2.6                       | 17.4               |
| 2/24/1996 | 19         | 1.7                       | 17.3               |
| 2/25/1996 | 19         | 1.8                       | 17.2               |
| 2/26/1996 | 18         | 1.1                       | 17.0               |
| 2/27/1996 | 18         | 1.1                       | 16.9               |
| 2/28/1996 | 17         | 0.3                       | 16.7               |
| 2/29/1996 | 15         | 0.0                       | 15.0               |
| 3/1/1996  | 16         | 1.1                       | 14.9               |
| 3/2/1996  | 20         | 5.1                       | 14.9               |
| 3/3/1996  | 20         | 5.0                       | 15.0               |
| 3/4/1996  | 18         | 3.0                       | 15.0               |
| 3/5/1996  | 17         | 2.1                       | 14.9               |
| 3/6/1996  | 18         | 3.1                       | 14.9               |
| 3/7/1996  | 20         | 5.1                       | 14.9               |
| 3/8/1996  | 20         | 5.0                       | 15.0               |
| 3/9/1996  | 19         | 4.0                       | 15.0               |
| 3/10/1996 | 25         | 9.8                       | 15.2               |
| 3/11/1996 | 344        | 316.3                     | 27.7               |
| 3/12/1996 | 450        | 406.3                     | 43.7               |
| 3/13/1996 | 255        | 203.6                     | 51.4               |
| 3/14/1996 | 189        | 132.8                     | 56.2               |
| 3/15/1996 | 150        | 90.7                      | 59.3               |
| 3/16/1996 | 123        | 61.8                      | 61.2               |
| 3/17/1996 | 103        | 40.8                      | 62.2               |
| 3/18/1996 | 88         | 25.4                      | 62.6               |
| 3/19/1996 | 75         | 12.5                      | 62.5               |
| 3/20/1996 | 61         | 0.0                       | 61.0               |
| 3/21/1996 | 54         | 0.0                       | 54.0               |
| 3/22/1996 | 49         | 0.0                       | 49.0               |
| 3/23/1996 | 45         | 0.0                       | 45.0               |
| 3/24/1996 | 42         | 0.0                       | 42.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/4/1996  | 33         | 9.0                       | 24.0               |
| 2/5/1996  | 33         | 8.8                       | 24.2               |
| 2/6/1996  | 53         | 27.1                      | 25.9               |
| 2/7/1996  | 46         | 19.1                      | 26.9               |
| 2/8/1996  | 43         | 15.4                      | 27.6               |
| 2/9/1996  | 60         | 30.5                      | 29.5               |
| 2/10/1996 | 31         | 1.9                       | 29.1               |
| 2/11/1996 | 28         | 0.0                       | 28.0               |
| 2/12/1996 | 27         | 0.0                       | 27.0               |
| 2/13/1996 | 27         | 0.5                       | 26.5               |
| 2/14/1996 | 23         | 0.0                       | 23.0               |
| 2/15/1996 | 24         | 1.4                       | 22.6               |
| 2/16/1996 | 24         | 1.7                       | 22.3               |
| 2/17/1996 | 23         | 1.0                       | 22.0               |
| 2/18/1996 | 24         | 2.3                       | 21.7               |
| 2/19/1996 | 23         | 1.6                       | 21.4               |
| 2/20/1996 | 25         | 3.7                       | 21.3               |
| 2/21/1996 | 27         | 5.7                       | 21.3               |
| 2/22/1996 | 27         | 5.7                       | 21.3               |
| 2/23/1996 | 25         | 3.8                       | 21.2               |
| 2/24/1996 | 25         | 3.9                       | 21.1               |
| 2/25/1996 | 25         | 4.0                       | 21.0               |
| 2/26/1996 | 25         | 4.1                       | 20.9               |
| 2/27/1996 | 25         | 4.2                       | 20.8               |
| 2/28/1996 | 25         | 4.3                       | 20.7               |
| 2/29/1996 | 24         | 3.4                       | 20.6               |
| 3/1/1996  | 23         | 2.6                       | 20.4               |
| 3/2/1996  | 29         | 8.3                       | 20.7               |
| 3/3/1996  | 29         | 8.1                       | 20.9               |
| 3/4/1996  | 26         | 5.1                       | 20.9               |
| 3/5/1996  | 33         | 11.6                      | 21.4               |
| 3/6/1996  | 30         | 8.4                       | 21.6               |
| 3/7/1996  | 27         | 5.4                       | 21.6               |
| 3/8/1996  | 23         | 1.7                       | 21.3               |
| 3/9/1996  | 21         | 0.1                       | 20.9               |
| 3/10/1996 | 22         | 1.4                       | 20.6               |
| 3/11/1996 | 199        | 165.6                     | 33.4               |
| 3/12/1996 | 621        | 544.7                     | 76.3               |
| 3/13/1996 | 215        | 129.8                     | 85.2               |
| 3/14/1996 | 98         | 13.4                      | 84.6               |
| 3/15/1996 | 107        | 22.3                      | 84.7               |
| 3/16/1996 | 118        | 32.4                      | 85.6               |
| 3/17/1996 | 83         | 0.0                       | 83.0               |
| 3/18/1996 | 59         | 0.0                       | 59.0               |
| 3/19/1996 | 38         | 0.0                       | 38.0               |
| 3/20/1996 | 35         | 0.0                       | 35.0               |
| 3/21/1996 | 33         | 0.0                       | 33.0               |
| 3/22/1996 | 33         | 0.6                       | 32.4               |
| 3/23/1996 | 31         | 0.0                       | 31.0               |
| 3/24/1996 | 30         | 0.0                       | 30.0               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/23/2005  | 63.3       | 8.6                       | 54.7               |
| 9/24/2005  | 56.3       | 2.5                       | 53.8               |
| 9/25/2005  | 52.4       | 0.0                       | 52.4               |
| 9/26/2005  | 47.2       | 0.0                       | 47.2               |
| 9/27/2005  | 44.2       | 0.0                       | 44.2               |
| 9/28/2005  | 61.5       | 16.8                      | 44.7               |
| 9/29/2005  | 55.2       | 10.6                      | 44.6               |
| 9/30/2005  | 50.3       | 6.1                       | 44.2               |
| 10/1/2005  | 53         | 9.0                       | 44.0               |
| 10/2/2005  | 56.8       | 12.6                      | 44.2               |
| 10/3/2005  | 66.4       | 21.4                      | 45.0               |
| 10/4/2005  | 86         | 38.8                      | 47.2               |
| 10/5/2005  | 87.5       | 38.2                      | 49.3               |
| 10/6/2005  | 80.3       | 29.6                      | 50.7               |
| 10/7/2005  | 90.5       | 37.8                      | 52.7               |
| 10/8/2005  | 79.6       | 25.9                      | 53.7               |
| 10/9/2005  | 72.1       | 18.0                      | 54.1               |
| 10/10/2005 | 65.8       | 11.8                      | 54.0               |
| 10/11/2005 | 60.9       | 7.4                       | 53.5               |
| 10/12/2005 | 64.5       | 11.2                      | 53.3               |
| 10/13/2005 | 156.6      | 96.6                      | 60.0               |
| 10/14/2005 | 150.3      | 84.8                      | 65.5               |
| 10/15/2005 | 99         | 32.2                      | 66.8               |
| 10/16/2005 | 83.8       | 17.0                      | 66.8               |
| 10/17/2005 | 76.1       | 9.8                       | 66.3               |
| 10/18/2005 | 72.8       | 7.3                       | 65.5               |
| 10/19/2005 | 68.3       | 3.8                       | 64.5               |
| 10/20/2005 | 58         | 0.0                       | 58.0               |
| 10/21/2005 | 59.7       | 2.6                       | 57.1               |
| 10/22/2005 | 60.3       | 4.1                       | 56.2               |
| 10/23/2005 | 55.7       | 0.5                       | 55.2               |
| 10/24/2005 | 471        | 386.1                     | 84.9               |
| 10/25/2005 | 225.8      | 132.0                     | 93.8               |
| 10/26/2005 | 108.1      | 15.0                      | 93.1               |
| 10/27/2005 | 76.1       | 0.0                       | 76.1               |
| 10/28/2005 | 68.9       | 0.0                       | 68.9               |
| 10/29/2005 | 64.5       | 0.0                       | 64.5               |
| 10/30/2005 | 58.6       | 0.0                       | 58.6               |
| 10/31/2005 | 50.8       | 0.0                       | 50.8               |
| 11/1/2005  | 54.6       | 4.5                       | 50.1               |
| 11/2/2005  | 70.8       | 20.1                      | 50.7               |
| 11/3/2005  | 56.8       | 6.5                       | 50.3               |
| 11/4/2005  | 49.8       | 0.5                       | 49.3               |
| 11/5/2005  | 45.2       | 0.0                       | 45.2               |
| 11/6/2005  | 43.3       | 0.0                       | 43.3               |
| 11/7/2005  | 40.5       | 0.0                       | 40.5               |
| 11/8/2005  | 38.6       | 0.0                       | 38.6               |
| 11/9/2005  | 36         | 0.0                       | 36.0               |
| 11/10/2005 | 33.1       | 0.0                       | 33.1               |
| 11/11/2005 | 33.9       | 1.4                       | 32.5               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/25/1996 | 13         | 1.3                       | 11.7               |
| 3/26/1996 | 12         | 0.5                       | 11.5               |
| 3/27/1996 | 12         | 0.7                       | 11.3               |
| 3/28/1996 | 20         | 8.3                       | 11.7               |
| 3/29/1996 | 29         | 16.2                      | 12.8               |
| 3/30/1996 | 22         | 8.8                       | 13.2               |
| 3/31/1996 | 35         | 20.4                      | 14.6               |
| 4/1/1996  | 30         | 14.5                      | 15.5               |
| 4/2/1996  | 22         | 6.3                       | 15.7               |
| 4/3/1996  | 17         | 1.5                       | 15.5               |
| 4/4/1996  | 17         | 1.7                       | 15.3               |
| 4/5/1996  | 16         | 0.9                       | 15.1               |
| 4/6/1996  | 16         | 1.1                       | 14.9               |
| 4/7/1996  | 17         | 2.3                       | 14.7               |
| 4/8/1996  | 14         | 0.0                       | 14.0               |
| 4/9/1996  | 14         | 0.3                       | 13.7               |
| 4/10/1996 | 13         | 0.0                       | 13.0               |
| 4/11/1996 | 12         | 0.0                       | 12.0               |
| 4/12/1996 | 13         | 1.1                       | 11.9               |
| 4/13/1996 | 12         | 0.4                       | 11.6               |
| 4/14/1996 | 11         | 0.0                       | 11.0               |
| 4/15/1996 | 12         | 1.1                       | 10.9               |
| 4/16/1996 | 11         | 0.3                       | 10.7               |
| 4/17/1996 | 11         | 0.5                       | 10.5               |
| 4/18/1996 | 11         | 0.7                       | 10.3               |
| 4/19/1996 | 9.8        | 0.0                       | 9.8                |
| 4/20/1996 | 10         | 0.4                       | 9.6                |
| 4/21/1996 | 10         | 0.5                       | 9.5                |
| 4/22/1996 | 10         | 0.7                       | 9.3                |
| 4/23/1996 | 9.4        | 0.2                       | 9.2                |
| 4/24/1996 | 9.4        | 0.4                       | 9.0                |
| 4/25/1996 | 8.9        | 0.1                       | 8.8                |
| 4/26/1996 | 9.5        | 0.8                       | 8.7                |
| 4/27/1996 | 8.2        | 0.0                       | 8.2                |
| 4/28/1996 | 8          | 0.0                       | 8.0                |
| 4/29/1996 | 7.5        | 0.0                       | 7.5                |
| 4/30/1996 | 9.4        | 1.9                       | 7.5                |
| 5/1/1996  | 9.7        | 2.2                       | 7.5                |
| 5/2/1996  | 8.6        | 1.1                       | 7.5                |
| 5/3/1996  | 8.2        | 0.8                       | 7.4                |
| 5/4/1996  | 7.1        | 0.0                       | 7.1                |
| 5/5/1996  | 6.7        | 0.0                       | 6.7                |
| 5/6/1996  | 6.3        | 0.0                       | 6.3                |
| 5/7/1996  | 6.3        | 0.1                       | 6.2                |
| 5/8/1996  | 6          | 0.0                       | 6.0                |
| 5/9/1996  | 5.1        | 0.0                       | 5.1                |
| 5/10/1996 | 4.3        | 0.0                       | 4.3                |
| 5/11/1996 | 5.8        | 1.5                       | 4.3                |
| 5/12/1996 | 5.2        | 0.9                       | 4.3                |
| 5/13/1996 | 4.6        | 0.3                       | 4.3                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/25/1996 | 56         | 8.2                       | 47.8               |
| 3/26/1996 | 57         | 9.6                       | 47.4               |
| 3/27/1996 | 55         | 8.2                       | 46.8               |
| 3/28/1996 | 57         | 10.4                      | 46.6               |
| 3/29/1996 | 65         | 17.4                      | 47.6               |
| 3/30/1996 | 214        | 145.1                     | 68.9               |
| 3/31/1996 | 673        | 523.2                     | 149.8              |
| 4/1/1996  | 813        | 576.9                     | 236.1              |
| 4/2/1996  | 556        | 283.9                     | 272.1              |
| 4/3/1996  | 271        | 8.4                       | 262.6              |
| 4/4/1996  | 136        | 0.0                       | 136.0              |
| 4/5/1996  | 104        | 0.0                       | 104.0              |
| 4/6/1996  | 89         | 0.0                       | 89.0               |
| 4/7/1996  | 85         | 0.0                       | 85.0               |
| 4/8/1996  | 155        | 63.3                      | 91.7               |
| 4/9/1996  | 263        | 150.8                     | 112.2              |
| 4/10/1996 | 182        | 64.1                      | 117.9              |
| 4/11/1996 | 92         | 0.0                       | 92.0               |
| 4/12/1996 | 74         | 0.0                       | 74.0               |
| 4/13/1996 | 67         | 0.0                       | 67.0               |
| 4/14/1996 | 62         | 0.0                       | 62.0               |
| 4/15/1996 | 67         | 6.4                       | 60.6               |
| 4/16/1996 | 91         | 28.3                      | 62.7               |
| 4/17/1996 | 87         | 23.1                      | 63.9               |
| 4/18/1996 | 73         | 10.1                      | 62.9               |
| 4/19/1996 | 53         | 0.0                       | 53.0               |
| 4/20/1996 | 46         | 0.0                       | 46.0               |
| 4/21/1996 | 44         | 0.0                       | 44.0               |
| 4/22/1996 | 41         | 0.0                       | 41.0               |
| 4/23/1996 | 39         | 0.0                       | 39.0               |
| 4/24/1996 | 39         | 1.3                       | 37.7               |
| 4/25/1996 | 39         | 2.5                       | 36.5               |
| 4/26/1996 | 37         | 1.7                       | 35.3               |
| 4/27/1996 | 36         | 1.8                       | 34.2               |
| 4/28/1996 | 36         | 2.7                       | 33.3               |
| 4/29/1996 | 35         | 2.6                       | 32.4               |
| 4/30/1996 | 35         | 3.4                       | 31.6               |
| 5/1/1996  | 37         | 5.7                       | 31.3               |
| 5/2/1996  | 36         | 5.2                       | 30.8               |
| 5/3/1996  | 36         | 5.5                       | 30.5               |
| 5/4/1996  | 35         | 4.9                       | 30.1               |
| 5/5/1996  | 34         | 4.4                       | 29.6               |
| 5/6/1996  | 33         | 4.0                       | 29.0               |
| 5/7/1996  | 32         | 3.6                       | 28.4               |
| 5/8/1996  | 31         | 3.2                       | 27.8               |
| 5/9/1996  | 31         | 3.7                       | 27.3               |
| 5/10/1996 | 30         | 3.3                       | 26.7               |
| 5/11/1996 | 32         | 5.5                       | 26.5               |
| 5/12/1996 | 40         | 12.5                      | 27.5               |
| 5/13/1996 | 92         | 56.6                      | 35.4               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/25/1996 | 39         | 0.0                       | 39.0               |
| 3/26/1996 | 35         | 0.0                       | 35.0               |
| 3/27/1996 | 32         | 0.0                       | 32.0               |
| 3/28/1996 | 38         | 6.1                       | 31.9               |
| 3/29/1996 | 112        | 77.3                      | 34.7               |
| 3/30/1996 | 131        | 92.9                      | 38.1               |
| 3/31/1996 | 550        | 492.6                     | 57.4               |
| 4/1/1996  | 415        | 344.4                     | 70.6               |
| 4/2/1996  | 287        | 208.8                     | 78.2               |
| 4/3/1996  | 219        | 136.1                     | 82.9               |
| 4/4/1996  | 177        | 91.3                      | 85.7               |
| 4/5/1996  | 143        | 55.9                      | 87.1               |
| 4/6/1996  | 116        | 28.6                      | 87.4               |
| 4/7/1996  | 95         | 8.2                       | 86.8               |
| 4/8/1996  | 84         | 0.0                       | 84.0               |
| 4/9/1996  | 73         | 0.0                       | 73.0               |
| 4/10/1996 | 65         | 0.0                       | 65.0               |
| 4/11/1996 | 57         | 0.0                       | 57.0               |
| 4/12/1996 | 50         | 0.0                       | 50.0               |
| 4/13/1996 | 46         | 0.0                       | 46.0               |
| 4/14/1996 | 39         | 0.0                       | 39.0               |
| 4/15/1996 | 43         | 4.2                       | 38.8               |
| 4/16/1996 | 40         | 1.5                       | 38.5               |
| 4/17/1996 | 33         | 0.0                       | 33.0               |
| 4/18/1996 | 33         | 0.3                       | 32.7               |
| 4/19/1996 | 32         | 0.0                       | 32.0               |
| 4/20/1996 | 30         | 0.0                       | 30.0               |
| 4/21/1996 | 28         | 0.0                       | 28.0               |
| 4/22/1996 | 26         | 0.0                       | 26.0               |
| 4/23/1996 | 24         | 0.0                       | 24.0               |
| 4/24/1996 | 24         | 0.2                       | 23.8               |
| 4/25/1996 | 24         | 0.5                       | 23.5               |
| 4/26/1996 | 25         | 1.6                       | 23.4               |
| 4/27/1996 | 24         | 0.8                       | 23.2               |
| 4/28/1996 | 23         | 0.1                       | 22.9               |
| 4/29/1996 | 22         | 0.0                       | 22.0               |
| 4/30/1996 | 37         | 14.6                      | 22.4               |
| 5/1/1996  | 36         | 13.3                      | 22.7               |
| 5/2/1996  | 32         | 9.2                       | 22.8               |
| 5/3/1996  | 31         | 8.1                       | 22.9               |
| 5/4/1996  | 31         | 8.0                       | 23.0               |
| 5/5/1996  | 29         | 6.0                       | 23.0               |
| 5/6/1996  | 27         | 4.1                       | 22.9               |
| 5/7/1996  | 25         | 2.2                       | 22.8               |
| 5/8/1996  | 24         | 1.4                       | 22.6               |
| 5/9/1996  | 23         | 0.6                       | 22.4               |
| 5/10/1996 | 22         | 0.0                       | 22.0               |
| 5/11/1996 | 21         | 0.0                       | 21.0               |
| 5/12/1996 | 21         | 0.2                       | 20.8               |
| 5/13/1996 | 23         | 2.3                       | 20.7               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/25/1996 | 31         | 1.5                       | 29.5               |
| 3/26/1996 | 30         | 1.0                       | 29.0               |
| 3/27/1996 | 31         | 2.4                       | 28.6               |
| 3/28/1996 | 51         | 21.3                      | 29.7               |
| 3/29/1996 | 125        | 88.7                      | 36.3               |
| 3/30/1996 | 86         | 46.7                      | 39.3               |
| 3/31/1996 | 583        | 504.2                     | 78.8               |
| 4/1/1996  | 511        | 401.6                     | 109.4              |
| 4/2/1996  | 284        | 163.7                     | 120.3              |
| 4/3/1996  | 149        | 28.8                      | 120.2              |
| 4/4/1996  | 85         | 0.0                       | 85.0               |
| 4/5/1996  | 79         | 0.0                       | 79.0               |
| 4/6/1996  | 71         | 0.0                       | 71.0               |
| 4/7/1996  | 66         | 0.0                       | 66.0               |
| 4/8/1996  | 79         | 13.3                      | 65.7               |
| 4/9/1996  | 190        | 116.3                     | 73.7               |
| 4/10/1996 | 117        | 41.4                      | 75.6               |
| 4/11/1996 | 72         | 0.0                       | 72.0               |
| 4/12/1996 | 51         | 0.0                       | 51.0               |
| 4/13/1996 | 46         | 0.0                       | 46.0               |
| 4/14/1996 | 43         | 0.0                       | 43.0               |
| 4/15/1996 | 41         | 0.0                       | 41.0               |
| 4/16/1996 | 41         | 0.8                       | 40.2               |
| 4/17/1996 | 38         | 0.0                       | 38.0               |
| 4/18/1996 | 37         | 0.0                       | 37.0               |
| 4/19/1996 | 37         | 0.7                       | 36.3               |
| 4/20/1996 | 36         | 0.4                       | 35.6               |
| 4/21/1996 | 35         | 0.1                       | 34.9               |
| 4/22/1996 | 38         | 3.5                       | 34.5               |
| 4/23/1996 | 43         | 8.5                       | 34.5               |
| 4/24/1996 | 35         | 1.1                       | 33.9               |
| 4/25/1996 | 36         | 2.6                       | 33.4               |
| 4/26/1996 | 35         | 2.1                       | 32.9               |
| 4/27/1996 | 33         | 0.7                       | 32.3               |
| 4/28/1996 | 31         | 0.0                       | 31.0               |
| 4/29/1996 | 36         | 5.2                       | 30.8               |
| 4/30/1996 | 48         | 16.5                      | 31.5               |
| 5/1/1996  | 67         | 33.5                      | 33.5               |
| 5/2/1996  | 51         | 16.8                      | 34.2               |
| 5/3/1996  | 52         | 17.1                      | 34.9               |
| 5/4/1996  | 46         | 10.9                      | 35.1               |
| 5/5/1996  | 41         | 6.1                       | 34.9               |
| 5/6/1996  | 32         | 0.0                       | 32.0               |
| 5/7/1996  | 29         | 0.0                       | 29.0               |
| 5/8/1996  | 28         | 0.0                       | 28.0               |
| 5/9/1996  | 27         | 0.0                       | 27.0               |
| 5/10/1996 | 27         | 0.5                       | 26.5               |
| 5/11/1996 | 32         | 5.6                       | 26.4               |
| 5/12/1996 | 39         | 12.1                      | 27.9               |
| 5/13/1996 | 38         | 10.8                      | 27.2               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/12/2005 | 32.3       | 0.4                       | 31.9               |
| 11/13/2005 | 30.7       | 0.0                       | 30.7               |
| 11/14/2005 | 31.9       | 1.7                       | 30.2               |
| 11/15/2005 | 30.3       | 0.6                       | 29.7               |
| 11/16/2005 | 28.8       | 0.0                       | 28.8               |
| 11/17/2005 | 31.5       | 3.0                       | 28.5               |
| 11/18/2005 | 32.3       | 4.1                       | 28.2               |
| 11/19/2005 | 29.2       | 1.4                       | 27.8               |
| 11/20/2005 | 27.4       | 0.2                       | 27.2               |
| 11/21/2005 | 23.6       | 0.0                       | 23.6               |
| 11/22/2005 | 22.9       | 0.0                       | 22.9               |
| 11/23/2005 | 21         | 0.0                       | 21.0               |
| 11/24/2005 | 14.4       | 0.0                       | 14.4               |
| 11/25/2005 | 14.2       | 0.1                       | 14.1               |
| 11/26/2005 | 13.5       | 0.0                       | 13.5               |
| 11/27/2005 | 12.4       | 0.0                       | 12.4               |
| 11/28/2005 | 13         | 0.8                       | 12.2               |
| 11/29/2005 | 13.5       | 1.4                       | 12.1               |
| 11/30/2005 | 15.7       | 3.6                       | 12.1               |
| 12/1/2005  | 15.2       | 3.1                       | 12.1               |
| 12/2/2005  | 13.7       | 1.7                       | 12.0               |
| 12/3/2005  | 12.6       | 0.8                       | 11.8               |
| 12/4/2005  | 11.3       | 0.0                       | 11.3               |
| 12/5/2005  | 9.5        | 0.0                       | 9.5                |
| 12/6/2005  | 14         | 4.3                       | 9.7                |
| 12/7/2005  | 12.8       | 3.1                       | 9.7                |
| 12/8/2005  | 39.5       | 27.8                      | 11.7               |
| 12/9/2005  | 24.9       | 12.4                      | 12.5               |
| 12/10/2005 | 21.6       | 8.7                       | 12.9               |
| 12/11/2005 | 18.7       | 5.6                       | 13.1               |
| 12/12/2005 | 16.7       | 3.6                       | 13.1               |
| 12/13/2005 | 16.5       | 3.3                       | 13.2               |
| 12/14/2005 | 14         | 1.0                       | 13.0               |
| 12/15/2005 | 12.4       | 0.0                       | 12.4               |
| 12/16/2005 | 17.3       | 4.8                       | 12.5               |
| 12/17/2005 | 17         | 4.4                       | 12.6               |
| 12/18/2005 | 18.1       | 5.3                       | 12.8               |
| 12/19/2005 | 29.6       | 15.8                      | 13.8               |
| 12/20/2005 | 20.1       | 6.1                       | 14.0               |
| 12/21/2005 | 16.5       | 2.6                       | 13.9               |
| 12/22/2005 | 17.8       | 3.8                       | 14.0               |
| 12/23/2005 | 14.4       | 0.7                       | 13.7               |
| 12/24/2005 | 10.7       | 0.0                       | 10.7               |
| 12/25/2005 | 8.4        | 0.0                       | 8.4                |
| 12/26/2005 | 9.5        | 1.2                       | 8.3                |
| 12/27/2005 | 7.4        | 0.0                       | 7.4                |
| 12/28/2005 | 5.4        | 0.0                       | 5.4                |
| 12/29/2005 | 5.1        | 0.0                       | 5.1                |
| 12/30/2005 | 5.8        | 0.7                       | 5.1                |
| 12/31/2005 | 5.2        | 0.2                       | 5.0                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/14/1996 | 4.2        | 0.0                       | 4.2                |
| 5/15/1996 | 4.1        | 0.0                       | 4.1                |
| 5/16/1996 | 3.9        | 0.0                       | 3.9                |
| 5/17/1996 | 3.9        | 0.1                       | 3.8                |
| 5/18/1996 | 3.7        | 0.0                       | 3.7                |
| 5/19/1996 | 3.7        | 0.1                       | 3.6                |
| 5/20/1996 | 3.7        | 0.1                       | 3.6                |
| 5/21/1996 | 4.5        | 0.9                       | 3.6                |
| 5/22/1996 | 4.7        | 1.1                       | 3.6                |
| 5/23/1996 | 4.3        | 0.7                       | 3.6                |
| 5/24/1996 | 4          | 0.5                       | 3.5                |
| 5/25/1996 | 4.4        | 0.9                       | 3.5                |
| 5/26/1996 | 4.3        | 0.8                       | 3.5                |
| 5/27/1996 | 4.1        | 0.6                       | 3.5                |
| 5/28/1996 | 5.6        | 2.0                       | 3.6                |
| 5/29/1996 | 6.8        | 3.0                       | 3.8                |
| 5/30/1996 | 5.9        | 2.0                       | 3.9                |
| 5/31/1996 | 5.3        | 1.4                       | 3.9                |
| 6/1/1996  | 5.1        | 1.2                       | 3.9                |
| 6/2/1996  | 4.8        | 0.9                       | 3.9                |
| 6/3/1996  | 4.4        | 0.5                       | 3.9                |
| 6/4/1996  | 4.2        | 0.4                       | 3.8                |
| 6/5/1996  | 4          | 0.2                       | 3.8                |
| 6/6/1996  | 3.9        | 0.2                       | 3.7                |
| 6/7/1996  | 3.8        | 0.2                       | 3.6                |
| 6/8/1996  | 3.9        | 0.3                       | 3.6                |
| 6/9/1996  | 5.9        | 2.2                       | 3.7                |
| 6/10/1996 | 5.7        | 1.9                       | 3.8                |
| 6/11/1996 | 13         | 8.6                       | 4.4                |
| 6/12/1996 | 18         | 12.7                      | 5.3                |
| 6/13/1996 | 9.4        | 3.9                       | 5.5                |
| 6/14/1996 | 7.7        | 2.1                       | 5.6                |
| 6/15/1996 | 7.3        | 1.7                       | 5.6                |
| 6/16/1996 | 7.4        | 1.8                       | 5.6                |
| 6/17/1996 | 7          | 1.4                       | 5.6                |
| 6/18/1996 | 6.5        | 0.9                       | 5.6                |
| 6/19/1996 | 6.2        | 0.7                       | 5.5                |
| 6/20/1996 | 14         | 7.9                       | 6.1                |
| 6/21/1996 | 17         | 10.2                      | 6.8                |
| 6/22/1996 | 28         | 19.8                      | 8.2                |
| 6/23/1996 | 24         | 14.8                      | 9.2                |
| 6/24/1996 | 17         | 7.4                       | 9.6                |
| 6/25/1996 | 13         | 3.3                       | 9.7                |
| 6/26/1996 | 11         | 1.4                       | 9.6                |
| 6/27/1996 | 23         | 12.6                      | 10.4               |
| 6/28/1996 | 41         | 28.5                      | 12.5               |
| 6/29/1996 | 32         | 18.3                      | 13.7               |
| 6/30/1996 | 23         | 8.9                       | 14.1               |
| 7/1/1996  | 19         | 4.8                       | 14.2               |
| 7/2/1996  | 19         | 4.7                       | 14.3               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/14/1996 | 116        | 70.7                      | 45.3               |
| 5/15/1996 | 70         | 22.8                      | 47.2               |
| 5/16/1996 | 36         | 0.0                       | 36.0               |
| 5/17/1996 | 30         | 0.0                       | 30.0               |
| 5/18/1996 | 28         | 0.0                       | 28.0               |
| 5/19/1996 | 27         | 0.1                       | 26.9               |
| 5/20/1996 | 27         | 1.0                       | 26.0               |
| 5/21/1996 | 34         | 7.8                       | 26.2               |
| 5/22/1996 | 52         | 23.2                      | 28.8               |
| 5/23/1996 | 58         | 26.1                      | 31.9               |
| 5/24/1996 | 45         | 12.4                      | 32.6               |
| 5/25/1996 | 31         | 0.0                       | 31.0               |
| 5/26/1996 | 29         | 0.0                       | 29.0               |
| 5/27/1996 | 27         | 0.0                       | 27.0               |
| 5/28/1996 | 34         | 7.0                       | 27.0               |
| 5/29/1996 | 66         | 34.5                      | 31.5               |
| 5/30/1996 | 88         | 49.8                      | 38.2               |
| 5/31/1996 | 114        | 66.7                      | 47.3               |
| 6/1/1996  | 156        | 95.3                      | 60.7               |
| 6/2/1996  | 158        | 86.0                      | 72.0               |
| 6/3/1996  | 116        | 40.4                      | 75.6               |
| 6/4/1996  | 66         | 0.0                       | 66.0               |
| 6/5/1996  | 56         | 0.0                       | 56.0               |
| 6/6/1996  | 51         | 0.0                       | 51.0               |
| 6/7/1996  | 44         | 0.0                       | 44.0               |
| 6/8/1996  | 47         | 4.1                       | 42.9               |
| 6/9/1996  | 55         | 11.9                      | 43.1               |
| 6/10/1996 | 77         | 30.7                      | 46.3               |
| 6/11/1996 | 76         | 27.2                      | 48.8               |
| 6/12/1996 | 44         | 0.0                       | 44.0               |
| 6/13/1996 | 41         | 0.0                       | 41.0               |
| 6/14/1996 | 36         | 0.0                       | 36.0               |
| 6/15/1996 | 35         | 0.4                       | 34.6               |
| 6/16/1996 | 36         | 2.4                       | 33.6               |
| 6/17/1996 | 36         | 3.2                       | 32.8               |
| 6/18/1996 | 37         | 4.8                       | 32.2               |
| 6/19/1996 | 103        | 62.1                      | 40.9               |
| 6/20/1996 | 361        | 277.4                     | 83.6               |
| 6/21/1996 | 558        | 411.8                     | 146.2              |
| 6/22/1996 | 554        | 356.6                     | 197.4              |
| 6/23/1996 | 486        | 255.6                     | 230.4              |
| 6/24/1996 | 354        | 114.5                     | 239.5              |
| 6/25/1996 | 186        | 0.0                       | 186.0              |
| 6/26/1996 | 117        | 0.0                       | 117.0              |
| 6/27/1996 | 135        | 19.6                      | 115.4              |
| 6/28/1996 | 145        | 29.5                      | 115.5              |
| 6/29/1996 | 190        | 68.2                      | 121.8              |
| 6/30/1996 | 200        | 71.6                      | 128.4              |
| 7/1/1996  | 140        | 14.4                      | 125.6              |
| 7/2/1996  | 90         | 0.0                       | 90.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/14/1996 | 21         | 0.5                       | 20.5               |
| 5/15/1996 | 21         | 0.7                       | 20.3               |
| 5/16/1996 | 19         | 0.0                       | 19.0               |
| 5/17/1996 | 18         | 0.0                       | 18.0               |
| 5/18/1996 | 18         | 0.2                       | 17.8               |
| 5/19/1996 | 17         | 0.0                       | 17.0               |
| 5/20/1996 | 17         | 0.2                       | 16.8               |
| 5/21/1996 | 18         | 1.3                       | 16.7               |
| 5/22/1996 | 20         | 3.3                       | 16.7               |
| 5/23/1996 | 19         | 2.4                       | 16.6               |
| 5/24/1996 | 18         | 1.5                       | 16.5               |
| 5/25/1996 | 29         | 12.2                      | 16.8               |
| 5/26/1996 | 30         | 12.8                      | 17.2               |
| 5/27/1996 | 25         | 7.7                       | 17.3               |
| 5/28/1996 | 26         | 8.5                       | 17.5               |
| 5/29/1996 | 37         | 18.9                      | 18.1               |
| 5/30/1996 | 65         | 45.3                      | 19.7               |
| 5/31/1996 | 127        | 103.4                     | 23.6               |
| 6/1/1996  | 76         | 50.6                      | 25.4               |
| 6/2/1996  | 56         | 29.7                      | 26.3               |
| 6/3/1996  | 48         | 21.1                      | 26.9               |
| 6/4/1996  | 40         | 12.8                      | 27.2               |
| 6/5/1996  | 34         | 6.8                       | 27.2               |
| 6/6/1996  | 30         | 3.0                       | 27.0               |
| 6/7/1996  | 27         | 0.2                       | 26.8               |
| 6/8/1996  | 46         | 18.8                      | 27.2               |
| 6/9/1996  | 51         | 23.1                      | 27.9               |
| 6/10/1996 | 41         | 12.9                      | 28.1               |
| 6/11/1996 | 35         | 6.9                       | 28.1               |
| 6/12/1996 | 32         | 4.0                       | 28.0               |
| 6/13/1996 | 29         | 1.2                       | 27.8               |
| 6/14/1996 | 27         | 0.0                       | 27.0               |
| 6/15/1996 | 25         | 0.0                       | 25.0               |
| 6/16/1996 | 24         | 0.0                       | 24.0               |
| 6/17/1996 | 25         | 1.2                       | 23.8               |
| 6/18/1996 | 24         | 0.4                       | 23.6               |
| 6/19/1996 | 25         | 1.6                       | 23.4               |
| 6/20/1996 | 76         | 50.8                      | 25.2               |
| 6/21/1996 | 114        | 85.6                      | 28.4               |
| 6/22/1996 | 137        | 104.7                     | 32.3               |
| 6/23/1996 | 186        | 148.1                     | 37.9               |
| 6/24/1996 | 164        | 121.6                     | 42.4               |
| 6/25/1996 | 118        | 73.1                      | 44.9               |
| 6/26/1996 | 96         | 49.6                      | 46.4               |
| 6/27/1996 | 98         | 50.1                      | 47.9               |
| 6/28/1996 | 136        | 85.1                      | 50.9               |
| 6/29/1996 | 202        | 145.8                     | 56.2               |
| 6/30/1996 | 153        | 93.6                      | 59.4               |
| 7/1/1996  | 109        | 48.3                      | 60.7               |
| 7/2/1996  | 85         | 23.9                      | 61.1               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/14/1996 | 35         | 7.7                       | 27.3               |
| 5/15/1996 | 31         | 4.0                       | 27.0               |
| 5/16/1996 | 28         | 1.4                       | 26.6               |
| 5/17/1996 | 25         | 0.0                       | 25.0               |
| 5/18/1996 | 24         | 0.0                       | 24.0               |
| 5/19/1996 | 22         | 0.0                       | 22.0               |
| 5/20/1996 | 22         | 0.4                       | 21.6               |
| 5/21/1996 | 24         | 2.6                       | 21.4               |
| 5/22/1996 | 36         | 13.9                      | 22.1               |
| 5/23/1996 | 40         | 17.0                      | 23.0               |
| 5/24/1996 | 29         | 6.0                       | 23.0               |
| 5/25/1996 | 42         | 18.0                      | 24.0               |
| 5/26/1996 | 137        | 105.1                     | 31.9               |
| 5/27/1996 | 67         | 33.1                      | 33.9               |
| 5/28/1996 | 52         | 17.4                      | 34.6               |
| 5/29/1996 | 57         | 21.4                      | 35.6               |
| 5/30/1996 | 108        | 67.7                      | 40.3               |
| 5/31/1996 | 293        | 234.7                     | 58.3               |
| 6/1/1996  | 202        | 134.1                     | 67.9               |
| 6/2/1996  | 143        | 70.8                      | 72.2               |
| 6/3/1996  | 99         | 26.2                      | 72.8               |
| 6/4/1996  | 68         | 0.0                       | 68.0               |
| 6/5/1996  | 44         | 0.0                       | 44.0               |
| 6/6/1996  | 41         | 0.0                       | 41.0               |
| 6/7/1996  | 40         | 0.0                       | 40.0               |
| 6/8/1996  | 44         | 4.4                       | 39.6               |
| 6/9/1996  | 51         | 11.3                      | 39.7               |
| 6/10/1996 | 46         | 6.6                       | 39.4               |
| 6/11/1996 | 36         | 0.0                       | 36.0               |
| 6/12/1996 | 50         | 13.6                      | 36.4               |
| 6/13/1996 | 40         | 4.0                       | 36.0               |
| 6/14/1996 | 33         | 0.0                       | 33.0               |
| 6/15/1996 | 31         | 0.0                       | 31.0               |
| 6/16/1996 | 38         | 7.1                       | 30.9               |
| 6/17/1996 | 40         | 9.0                       | 31.0               |
| 6/18/1996 | 38         | 7.0                       | 31.0               |
| 6/19/1996 | 36         | 5.2                       | 30.8               |
| 6/20/1996 | 164        | 123.9                     | 40.1               |
| 6/21/1996 | 186        | 135.9                     | 50.1               |
| 6/22/1996 | 159        | 101.7                     | 57.3               |
| 6/23/1996 | 163        | 98.9                      | 64.1               |
| 6/24/1996 | 143        | 74.3                      | 68.7               |
| 6/25/1996 | 127        | 55.2                      | 71.8               |
| 6/26/1996 | 71         | 0.6                       | 70.4               |
| 6/27/1996 | 91         | 20.4                      | 70.6               |
| 6/28/1996 | 89         | 18.3                      | 70.7               |
| 6/29/1996 | 266        | 182.2                     | 83.8               |
| 6/30/1996 | 319        | 219.3                     | 99.7               |
| 7/1/1996  | 215        | 108.6                     | 106.4              |
| 7/2/1996  | 145        | 37.7                      | 107.3              |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/1/2006  | 5.5        | 0.6                       | 4.9                |
| 1/2/2006  | 5.1        | 0.3                       | 4.8                |
| 1/3/2006  | 5.1        | 0.3                       | 4.8                |
| 1/4/2006  | 6.8        | 2.0                       | 4.8                |
| 1/5/2006  | 6.8        | 1.9                       | 4.9                |
| 1/6/2006  | 8.6        | 3.5                       | 5.1                |
| 1/7/2006  | 9          | 3.7                       | 5.3                |
| 1/8/2006  | 8.1        | 2.7                       | 5.4                |
| 1/9/2006  | 7.9        | 2.4                       | 5.5                |
| 1/10/2006 | 7.1        | 1.6                       | 5.5                |
| 1/11/2006 | 6.5        | 1.0                       | 5.5                |
| 1/12/2006 | 6.9        | 1.4                       | 5.5                |
| 1/13/2006 | 6.5        | 1.1                       | 5.4                |
| 1/14/2006 | 7.7        | 2.2                       | 5.5                |
| 1/15/2006 | 7.9        | 2.3                       | 5.6                |
| 1/16/2006 | 5.9        | 0.4                       | 5.5                |
| 1/17/2006 | 5.8        | 0.4                       | 5.4                |
| 1/18/2006 | 9.1        | 3.5                       | 5.6                |
| 1/19/2006 | 8.6        | 2.9                       | 5.7                |
| 1/20/2006 | 7.3        | 1.6                       | 5.7                |
| 1/21/2006 | 6.8        | 1.1                       | 5.7                |
| 1/22/2006 | 6.9        | 1.2                       | 5.7                |
| 1/23/2006 | 5.8        | 0.2                       | 5.6                |
| 1/24/2006 | 6.8        | 1.2                       | 5.6                |
| 1/25/2006 | 9.7        | 3.9                       | 5.8                |
| 1/26/2006 | 9.7        | 3.7                       | 6.0                |
| 1/27/2006 | 9.5        | 3.4                       | 6.1                |
| 1/28/2006 | 7.1        | 1.0                       | 6.1                |
| 1/29/2006 | 6.6        | 0.6                       | 6.0                |
| 1/30/2006 | 7.6        | 1.6                       | 6.0                |
| 1/31/2006 | 10.3       | 4.1                       | 6.2                |
| 2/1/2006  | 10.7       | 4.3                       | 6.4                |
| 2/2/2006  | 8.2        | 1.8                       | 6.4                |
| 2/3/2006  | 13         | 6.2                       | 6.8                |
| 2/4/2006  | 18.7       | 11.1                      | 7.6                |
| 2/5/2006  | 16.7       | 8.6                       | 8.1                |
| 2/6/2006  | 12.6       | 4.3                       | 8.3                |
| 2/7/2006  | 9.1        | 0.9                       | 8.2                |
| 2/8/2006  | 12.6       | 4.2                       | 8.4                |
| 2/9/2006  | 9          | 0.7                       | 8.3                |
| 2/10/2006 | 8.2        | 0.1                       | 8.1                |
| 2/11/2006 | 6.3        | 0.0                       | 6.3                |
| 2/12/2006 | 11.5       | 4.9                       | 6.6                |
| 2/13/2006 | 7.7        | 1.2                       | 6.5                |
| 2/14/2006 | 6.5        | 0.1                       | 6.4                |
| 2/15/2006 | 6.1        | 0.0                       | 6.1                |
| 2/16/2006 | 6.1        | 0.1                       | 6.0                |
| 2/17/2006 | 5.6        | 0.0                       | 5.6                |
| 2/18/2006 | 5          | 0.0                       | 5.0                |
| 2/19/2006 | 6.9        | 1.9                       | 5.0                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/3/1996  | 18         | 3.7                       | 14.3               |
| 7/4/1996  | 18         | 3.7                       | 14.3               |
| 7/5/1996  | 22         | 7.4                       | 14.6               |
| 7/6/1996  | 40         | 23.7                      | 16.3               |
| 7/7/1996  | 36         | 18.6                      | 17.4               |
| 7/8/1996  | 20         | 2.7                       | 17.3               |
| 7/9/1996  | 69         | 48.2                      | 20.8               |
| 7/10/1996 | 69         | 45.0                      | 24.0               |
| 7/11/1996 | 34         | 9.7                       | 24.3               |
| 7/12/1996 | 42         | 16.9                      | 25.1               |
| 7/13/1996 | 31         | 5.9                       | 25.1               |
| 7/14/1996 | 23         | 0.0                       | 23.0               |
| 7/15/1996 | 19         | 0.0                       | 19.0               |
| 7/16/1996 | 18         | 0.0                       | 18.0               |
| 7/17/1996 | 17         | 0.0                       | 17.0               |
| 7/18/1996 | 17         | 0.3                       | 16.7               |
| 7/19/1996 | 16         | 0.0                       | 16.0               |
| 7/20/1996 | 14         | 0.0                       | 14.0               |
| 7/21/1996 | 13         | 0.0                       | 13.0               |
| 7/22/1996 | 14         | 1.2                       | 12.8               |
| 7/23/1996 | 13         | 0.4                       | 12.6               |
| 7/24/1996 | 13         | 0.6                       | 12.4               |
| 7/25/1996 | 11         | 0.0                       | 11.0               |
| 7/26/1996 | 11         | 0.2                       | 10.8               |
| 7/27/1996 | 11         | 0.4                       | 10.6               |
| 7/28/1996 | 11         | 0.6                       | 10.4               |
| 7/29/1996 | 9.7        | 0.0                       | 9.7                |
| 7/30/1996 | 11         | 1.4                       | 9.6                |
| 7/31/1996 | 9.9        | 0.4                       | 9.5                |
| 8/1/1996  | 11         | 1.6                       | 9.4                |
| 8/2/1996  | 11         | 1.7                       | 9.3                |
| 8/3/1996  | 14         | 4.5                       | 9.5                |
| 8/4/1996  | 13         | 3.4                       | 9.6                |
| 8/5/1996  | 11         | 1.5                       | 9.5                |
| 8/6/1996  | 11         | 1.5                       | 9.5                |
| 8/7/1996  | 11         | 1.6                       | 9.4                |
| 8/8/1996  | 21         | 10.9                      | 10.1               |
| 8/9/1996  | 20         | 9.4                       | 10.6               |
| 8/10/1996 | 16         | 5.2                       | 10.8               |
| 8/11/1996 | 16         | 5.0                       | 11.0               |
| 8/12/1996 | 18         | 6.7                       | 11.3               |
| 8/13/1996 | 17         | 5.5                       | 11.5               |
| 8/14/1996 | 14         | 2.5                       | 11.5               |
| 8/15/1996 | 13         | 1.6                       | 11.4               |
| 8/16/1996 | 13         | 1.7                       | 11.3               |
| 8/17/1996 | 12         | 0.8                       | 11.2               |
| 8/18/1996 | 11         | 0.1                       | 10.9               |
| 8/19/1996 | 10         | 0.0                       | 10.0               |
| 8/20/1996 | 10         | 0.2                       | 9.8                |
| 8/21/1996 | 9.3        | 0.0                       | 9.3                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/3/1996  | 75         | 0.0                       | 75.0               |
| 7/4/1996  | 75         | 2.6                       | 72.4               |
| 7/5/1996  | 100        | 26.3                      | 73.7               |
| 7/6/1996  | 198        | 109.7                     | 88.3               |
| 7/7/1996  | 253        | 145.0                     | 108.0              |
| 7/8/1996  | 185        | 70.1                      | 114.9              |
| 7/9/1996  | 186        | 65.3                      | 120.7              |
| 7/10/1996 | 312        | 169.0                     | 143.0              |
| 7/11/1996 | 244        | 92.0                      | 152.0              |
| 7/12/1996 | 179        | 28.5                      | 150.5              |
| 7/13/1996 | 193        | 41.9                      | 151.1              |
| 7/14/1996 | 153        | 6.8                       | 146.2              |
| 7/15/1996 | 149        | 7.5                       | 141.5              |
| 7/16/1996 | 135        | 0.0                       | 135.0              |
| 7/17/1996 | 75         | 0.0                       | 75.0               |
| 7/18/1996 | 62         | 0.0                       | 62.0               |
| 7/19/1996 | 60         | 0.4                       | 59.6               |
| 7/20/1996 | 56         | 0.0                       | 56.0               |
| 7/21/1996 | 52         | 0.0                       | 52.0               |
| 7/22/1996 | 45         | 0.0                       | 45.0               |
| 7/23/1996 | 39         | 0.0                       | 39.0               |
| 7/24/1996 | 38         | 0.5                       | 37.3               |
| 7/25/1996 | 38         | 1.7                       | 36.5               |
| 7/26/1996 | 37         | 1.9                       | 35.1               |
| 7/27/1996 | 36         | 2.0                       | 34.0               |
| 7/28/1996 | 35         | 2.0                       | 33.0               |
| 7/29/1996 | 34         | 2.0                       | 32.0               |
| 7/30/1996 | 32         | 1.1                       | 30.9               |
| 7/31/1996 | 32         | 2.0                       | 30.0               |
| 8/1/1996  | 31         | 1.9                       | 29.1               |
| 8/2/1996  | 33         | 4.4                       | 28.6               |
| 8/3/1996  | 42         | 12.5                      | 29.5               |
| 8/4/1996  | 50         | 18.7                      | 31.3               |
| 8/5/1996  | 67         | 31.9                      | 35.1               |
| 8/6/1996  | 62         | 24.4                      | 37.6               |
| 8/7/1996  | 38         | 1.6                       | 36.4               |
| 8/8/1996  | 41         | 5.2                       | 35.8               |
| 8/9/1996  | 48         | 11.8                      | 36.2               |
| 8/10/1996 | 50         | 13.1                      | 36.9               |
| 8/11/1996 | 53         | 15.2                      | 37.8               |
| 8/12/1996 | 60         | 20.4                      | 39.6               |
| 8/13/1996 | 71         | 28.5                      | 42.5               |
| 8/14/1996 | 66         | 21.7                      | 44.3               |
| 8/15/1996 | 52         | 8.2                       | 43.8               |
| 8/16/1996 | 59         | 14.6                      | 44.4               |
| 8/17/1996 | 55         | 10.6                      | 44.4               |
| 8/18/1996 | 47         | 3.8                       | 43.2               |
| 8/19/1996 | 42         | 0.5                       | 41.5               |
| 8/20/1996 | 39         | 0.0                       | 39.0               |
| 8/21/1996 | 36         | 0.0                       | 36.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/3/1996  | 70         | 9.2                       | 60.8               |
| 7/4/1996  | 66         | 5.6                       | 60.4               |
| 7/5/1996  | 88         | 27.1                      | 60.9               |
| 7/6/1996  | 137        | 73.7                      | 63.3               |
| 7/7/1996  | 159        | 92.7                      | 66.3               |
| 7/8/1996  | 129        | 60.9                      | 68.1               |
| 7/9/1996  | 115        | 45.7                      | 69.3               |
| 7/10/1996 | 180        | 107.2                     | 72.8               |
| 7/11/1996 | 157        | 81.6                      | 75.4               |
| 7/12/1996 | 137        | 60.0                      | 77.0               |
| 7/13/1996 | 119        | 41.1                      | 77.9               |
| 7/14/1996 | 100        | 22.0                      | 78.0               |
| 7/15/1996 | 84         | 6.5                       | 77.5               |
| 7/16/1996 | 71         | 0.0                       | 71.0               |
| 7/17/1996 | 61         | 0.0                       | 61.0               |
| 7/18/1996 | 55         | 0.0                       | 55.0               |
| 7/19/1996 | 50         | 0.0                       | 50.0               |
| 7/20/1996 | 45         | 0.0                       | 45.0               |
| 7/21/1996 | 41         | 0.0                       | 41.0               |
| 7/22/1996 | 37         | 0.0                       | 37.0               |
| 7/23/1996 | 34         | 0.0                       | 34.0               |
| 7/24/1996 | 34         | 0.3                       | 33.7               |
| 7/25/1996 | 32         | 0.0                       | 32.0               |
| 7/26/1996 | 33         | 1.3                       | 31.7               |
| 7/27/1996 | 32         | 0.6                       | 31.4               |
| 7/28/1996 | 31         | 0.0                       | 31.0               |
| 7/29/1996 | 30         | 0.0                       | 30.0               |
| 7/30/1996 | 29         | 0.0                       | 29.0               |
| 7/31/1996 | 28         | 0.0                       | 28.0               |
| 8/1/1996  | 27         | 0.0                       | 27.0               |
| 8/2/1996  | 27         | 0.3                       | 26.7               |
| 8/3/1996  | 31         | 4.4                       | 26.6               |
| 8/4/1996  | 31         | 4.4                       | 26.6               |
| 8/5/1996  | 32         | 5.5                       | 26.5               |
| 8/6/1996  | 29         | 2.6                       | 26.4               |
| 8/7/1996  | 28         | 1.8                       | 26.2               |
| 8/8/1996  | 30         | 3.9                       | 26.1               |
| 8/9/1996  | 35         | 8.8                       | 26.2               |
| 8/10/1996 | 45         | 18.4                      | 26.6               |
| 8/11/1996 | 45         | 17.9                      | 27.1               |
| 8/12/1996 | 42         | 14.6                      | 27.4               |
| 8/13/1996 | 42         | 14.3                      | 27.7               |
| 8/14/1996 | 48         | 19.8                      | 28.2               |
| 8/15/1996 | 48         | 19.3                      | 28.7               |
| 8/16/1996 | 53         | 23.6                      | 29.4               |
| 8/17/1996 | 46         | 16.3                      | 29.7               |
| 8/18/1996 | 39         | 9.2                       | 29.8               |
| 8/19/1996 | 35         | 5.3                       | 29.7               |
| 8/20/1996 | 32         | 2.5                       | 29.5               |
| 8/21/1996 | 30         | 0.8                       | 29.2               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/3/1996  | 88         | 0.0                       | 88.0               |
| 7/4/1996  | 102        | 14.6                      | 87.4               |
| 7/5/1996  | 100        | 13.3                      | 86.7               |
| 7/6/1996  | 194        | 100.9                     | 93.1               |
| 7/7/1996  | 253        | 149.8                     | 103.2              |
| 7/8/1996  | 186        | 78.6                      | 107.4              |
| 7/9/1996  | 137        | 29.4                      | 107.6              |
| 7/10/1996 | 197        | 84.8                      | 112.2              |
| 7/11/1996 | 186        | 70.4                      | 115.6              |
| 7/12/1996 | 145        | 29.3                      | 115.7              |
| 7/13/1996 | 130        | 15.4                      | 114.6              |
| 7/14/1996 | 106        | 0.0                       | 106.0              |
| 7/15/1996 | 91         | 0.0                       | 91.0               |
| 7/16/1996 | 80         | 0.0                       | 80.0               |
| 7/17/1996 | 60         | 0.0                       | 60.0               |
| 7/18/1996 | 55         | 0.0                       | 55.0               |
| 7/19/1996 | 52         | 0.0                       | 52.0               |
| 7/20/1996 | 50         | 0.0                       | 50.0               |
| 7/21/1996 | 49         | 0.0                       | 49.0               |
| 7/22/1996 | 47         | 0.0                       | 47.0               |
| 7/23/1996 | 45         | 0.0                       | 45.0               |
| 7/24/1996 | 38         | 0.0                       | 38.0               |
| 7/25/1996 | 35         | 0.0                       | 35.0               |
| 7/26/1996 | 34         | 0.0                       | 34.0               |
| 7/27/1996 | 32         | 0.0                       | 32.0               |
| 7/28/1996 | 33         | 1.5                       | 31.5               |
| 7/29/1996 | 30         | 0.0                       | 30.0               |
| 7/30/1996 | 30         | 0.6                       | 29.4               |
| 7/31/1996 | 33         | 3.8                       | 29.2               |
| 8/1/1996  | 31         | 2.2                       | 28.8               |
| 8/2/1996  | 34         | 5.4                       | 28.6               |
| 8/3/1996  | 122        | 87.0                      | 35.0               |
| 8/4/1996  | 187        | 141.4                     | 45.6               |
| 8/5/1996  | 158        | 104.9                     | 53.1               |
| 8/6/1996  | 120        | 62.9                      | 57.1               |
| 8/7/1996  | 122        | 61.2                      | 60.8               |
| 8/8/1996  | 98         | 35.6                      | 62.4               |
| 8/9/1996  | 151        | 83.2                      | 67.9               |
| 8/10/1996 | 121        | 50.5                      | 70.5               |
| 8/11/1996 | 104        | 32.3                      | 71.7               |
| 8/12/1996 | 105        | 32.2                      | 72.8               |
| 8/13/1996 | 91         | 18.2                      | 72.8               |
| 8/14/1996 | 88         | 15.4                      | 72.6               |
| 8/15/1996 | 69         | 0.0                       | 69.0               |
| 8/16/1996 | 100        | 30.0                      | 70.0               |
| 8/17/1996 | 160        | 84.6                      | 75.4               |
| 8/18/1996 | 128        | 50.1                      | 77.9               |
| 8/19/1996 | 99         | 21.0                      | 78.0               |
| 8/20/1996 | 116        | 36.6                      | 79.4               |
| 8/21/1996 | 90         | 11.3                      | 78.7               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/20/2006 | 5.8        | 0.8                       | 5.0                |
| 2/21/2006 | 5.5        | 0.5                       | 5.0                |
| 2/22/2006 | 4.9        | 0.0                       | 4.9                |
| 2/23/2006 | 4.6        | 0.0                       | 4.6                |
| 2/24/2006 | 7.4        | 2.7                       | 4.7                |
| 2/25/2006 | 4.4        | 0.0                       | 4.4                |
| 2/26/2006 | 10.3       | 5.5                       | 4.8                |
| 2/27/2006 | 11.3       | 6.1                       | 5.2                |
| 2/28/2006 | 6.9        | 1.7                       | 5.2                |
| 3/1/2006  | 7.7        | 2.4                       | 5.3                |
| 3/2/2006  | 7.3        | 2.0                       | 5.3                |
| 3/3/2006  | 8.1        | 2.7                       | 5.4                |
| 3/4/2006  | 12.4       | 6.5                       | 5.9                |
| 3/5/2006  | 10.9       | 4.8                       | 6.1                |
| 3/6/2006  | 7.7        | 1.6                       | 6.1                |
| 3/7/2006  | 11.1       | 4.7                       | 6.4                |
| 3/8/2006  | 9.3        | 2.8                       | 6.5                |
| 3/9/2006  | 5.1        | 0.0                       | 5.1                |
| 3/10/2006 | 5.1        | 0.1                       | 5.0                |
| 3/11/2006 | 6.5        | 1.5                       | 5.0                |
| 3/12/2006 | 6.3        | 1.3                       | 5.0                |
| 3/13/2006 | 6.1        | 1.1                       | 5.0                |
| 3/14/2006 | 6.6        | 1.6                       | 5.0                |
| 3/15/2006 | 14.9       | 9.2                       | 5.7                |
| 3/16/2006 | 7.6        | 1.9                       | 5.7                |
| 3/17/2006 | 7.3        | 1.6                       | 5.7                |
| 3/18/2006 | 10.3       | 4.3                       | 6.0                |
| 3/19/2006 | 9.5        | 3.4                       | 6.1                |
| 3/20/2006 | 6.9        | 0.8                       | 6.1                |
| 3/21/2006 | 5.8        | 0.0                       | 5.8                |
| 3/22/2006 | 11.7       | 5.6                       | 6.1                |
| 3/23/2006 | 10.1       | 3.8                       | 6.3                |
| 3/24/2006 | 12.8       | 6.1                       | 6.7                |
| 3/25/2006 | 14         | 6.9                       | 7.1                |
| 3/26/2006 | 13         | 5.6                       | 7.4                |
| 3/27/2006 | 13.5       | 5.8                       | 7.7                |
| 3/28/2006 | 9.9        | 2.2                       | 7.7                |
| 3/29/2006 | 9.5        | 1.8                       | 7.7                |
| 3/30/2006 | 10.5       | 2.7                       | 7.8                |
| 3/31/2006 | 11.1       | 3.2                       | 7.9                |
| 4/1/2006  | 10.5       | 2.6                       | 7.9                |
| 4/2/2006  | 10.7       | 2.7                       | 8.0                |
| 4/3/2006  | 10.7       | 2.7                       | 8.0                |
| 4/4/2006  | 11.3       | 3.2                       | 8.1                |
| 4/5/2006  | 10.5       | 2.3                       | 8.2                |
| 4/6/2006  | 8.1        | 0.1                       | 8.0                |
| 4/7/2006  | 5.4        | 0.0                       | 5.4                |
| 4/8/2006  | 4.6        | 0.0                       | 4.6                |
| 4/9/2006  | 14.4       | 9.2                       | 5.2                |
| 4/10/2006 | 14.2       | 8.4                       | 5.8                |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/22/1996  | 8.9        | 0.0                       | 8.9                |
| 8/23/1996  | 8.7        | 0.0                       | 8.7                |
| 8/24/1996  | 9.8        | 1.2                       | 8.6                |
| 8/25/1996  | 11         | 2.4                       | 8.6                |
| 8/26/1996  | 10         | 1.4                       | 8.6                |
| 8/27/1996  | 8.9        | 0.5                       | 8.4                |
| 8/28/1996  | 9.4        | 1.0                       | 8.4                |
| 8/29/1996  | 7.9        | 0.0                       | 7.9                |
| 8/30/1996  | 6.5        | 0.0                       | 6.5                |
| 8/31/1996  | 6.7        | 0.3                       | 6.4                |
| 9/1/1996   | 11         | 4.4                       | 6.6                |
| 9/2/1996   | 12         | 5.1                       | 6.9                |
| 9/3/1996   | 13         | 5.8                       | 7.2                |
| 9/4/1996   | 12         | 4.6                       | 7.4                |
| 9/5/1996   | 9.1        | 1.7                       | 7.4                |
| 9/6/1996   | 9.2        | 1.8                       | 7.4                |
| 9/7/1996   | 8.6        | 1.2                       | 7.4                |
| 9/8/1996   | 8          | 0.7                       | 7.3                |
| 9/9/1996   | 8.8        | 1.5                       | 7.3                |
| 9/10/1996  | 9          | 1.7                       | 7.3                |
| 9/11/1996  | 9.7        | 2.4                       | 7.3                |
| 9/12/1996  | 8.1        | 0.9                       | 7.2                |
| 9/13/1996  | 7.3        | 0.2                       | 7.1                |
| 9/14/1996  | 7.4        | 0.4                       | 7.0                |
| 9/15/1996  | 6.9        | 0.0                       | 6.9                |
| 9/16/1996  | 7.6        | 0.8                       | 6.8                |
| 9/17/1996  | 7.5        | 0.8                       | 6.7                |
| 9/18/1996  | 7          | 0.4                       | 6.6                |
| 9/19/1996  | 7          | 0.5                       | 6.5                |
| 9/20/1996  | 6.5        | 0.1                       | 6.4                |
| 9/21/1996  | 8.8        | 2.4                       | 6.5                |
| 9/22/1996  | 9.7        | 3.1                       | 6.6                |
| 9/23/1996  | 7.9        | 1.4                       | 6.5                |
| 9/24/1996  | 8.6        | 2.0                       | 6.6                |
| 9/25/1996  | 7.3        | 0.8                       | 6.5                |
| 9/26/1996  | 6.8        | 0.4                       | 6.4                |
| 9/27/1996  | 6.6        | 0.3                       | 6.3                |
| 9/28/1996  | 6.3        | 0.1                       | 6.2                |
| 9/29/1996  | 9.2        | 2.9                       | 6.3                |
| 9/30/1996  | 8.4        | 2.1                       | 6.3                |
| 10/1/1996  | 9.1        | 2.7                       | 6.4                |
| 10/2/1996  | 8.6        | 2.1                       | 6.5                |
| 10/3/1996  | 7.6        | 1.2                       | 6.4                |
| 10/4/1996  | 11         | 4.4                       | 6.6                |
| 10/5/1996  | 12         | 5.1                       | 6.9                |
| 10/6/1996  | 11         | 3.9                       | 7.1                |
| 10/7/1996  | 16         | 8.4                       | 7.6                |
| 10/8/1996  | 15         | 7.0                       | 8.0                |
| 10/9/1996  | 13         | 4.8                       | 8.2                |
| 10/10/1996 | 10         | 1.8                       | 8.2                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/22/1996  | 33         | 0.0                       | 33.0               |
| 8/23/1996  | 33         | 1.1                       | 31.9               |
| 8/24/1996  | 34         | 2.9                       | 31.1               |
| 8/25/1996  | 35         | 4.5                       | 30.5               |
| 8/26/1996  | 37         | 6.6                       | 30.4               |
| 8/27/1996  | 40         | 9.3                       | 30.7               |
| 8/28/1996  | 39         | 8.3                       | 30.7               |
| 8/29/1996  | 36         | 5.6                       | 30.4               |
| 8/30/1996  | 34         | 4.1                       | 29.9               |
| 8/31/1996  | 33         | 3.7                       | 29.3               |
| 9/1/1996   | 35         | 6.0                       | 29.0               |
| 9/2/1996   | 44         | 13.9                      | 30.1               |
| 9/3/1996   | 57         | 24.2                      | 32.8               |
| 9/4/1996   | 63         | 27.2                      | 35.8               |
| 9/5/1996   | 52         | 15.2                      | 36.8               |
| 9/6/1996   | 44         | 7.5                       | 36.5               |
| 9/7/1996   | 44         | 7.7                       | 36.3               |
| 9/8/1996   | 44         | 7.9                       | 36.1               |
| 9/9/1996   | 49         | 12.4                      | 36.6               |
| 9/10/1996  | 82         | 40.4                      | 41.6               |
| 9/11/1996  | 110        | 60.4                      | 49.6               |
| 9/12/1996  | 88         | 34.8                      | 53.2               |
| 9/13/1996  | 55         | 3.4                       | 51.6               |
| 9/14/1996  | 43         | 0.0                       | 43.0               |
| 9/15/1996  | 37         | 0.0                       | 37.0               |
| 9/16/1996  | 34         | 0.0                       | 34.0               |
| 9/17/1996  | 31         | 0.0                       | 31.0               |
| 9/18/1996  | 28         | 0.0                       | 28.0               |
| 9/19/1996  | 24         | 0.0                       | 24.0               |
| 9/20/1996  | 22         | 0.0                       | 22.0               |
| 9/21/1996  | 20         | 0.0                       | 20.0               |
| 9/22/1996  | 16         | 0.0                       | 16.0               |
| 9/23/1996  | 13         | 0.0                       | 13.0               |
| 9/24/1996  | 13         | 0.4                       | 12.6               |
| 9/25/1996  | 13         | 0.8                       | 12.2               |
| 9/26/1996  | 14         | 2.0                       | 12.0               |
| 9/27/1996  | 12         | 0.4                       | 11.6               |
| 9/28/1996  | 14         | 2.5                       | 11.5               |
| 9/29/1996  | 18         | 6.0                       | 12.0               |
| 9/30/1996  | 27         | 13.3                      | 13.7               |
| 10/1/1996  | 82         | 59.4                      | 22.6               |
| 10/2/1996  | 122        | 86.4                      | 35.6               |
| 10/3/1996  | 140        | 91.3                      | 48.7               |
| 10/4/1996  | 352        | 263.1                     | 88.9               |
| 10/5/1996  | 561        | 410.1                     | 150.9              |
| 10/6/1996  | 618        | 407.8                     | 210.2              |
| 10/7/1996  | 612        | 353.7                     | 258.3              |
| 10/8/1996  | 574        | 281.0                     | 293.0              |
| 10/9/1996  | 532        | 216.2                     | 315.8              |
| 10/10/1996 | 428        | 107.6                     | 320.4              |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/22/1996  | 28         | 0.0                       | 28.0               |
| 8/23/1996  | 26         | 0.0                       | 26.0               |
| 8/24/1996  | 24         | 0.0                       | 24.0               |
| 8/25/1996  | 23         | 0.0                       | 23.0               |
| 8/26/1996  | 22         | 0.0                       | 22.0               |
| 8/27/1996  | 22         | 0.2                       | 21.8               |
| 8/28/1996  | 20         | 0.0                       | 20.0               |
| 8/29/1996  | 19         | 0.0                       | 19.0               |
| 8/30/1996  | 19         | 0.2                       | 18.8               |
| 8/31/1996  | 19         | 0.4                       | 18.6               |
| 9/1/1996   | 21         | 2.4                       | 18.6               |
| 9/2/1996   | 42         | 22.7                      | 19.3               |
| 9/3/1996   | 60         | 39.3                      | 20.7               |
| 9/4/1996   | 54         | 32.3                      | 21.7               |
| 9/5/1996   | 45         | 22.6                      | 22.4               |
| 9/6/1996   | 39         | 16.2                      | 22.8               |
| 9/7/1996   | 38         | 14.8                      | 23.2               |
| 9/8/1996   | 36         | 12.5                      | 23.5               |
| 9/9/1996   | 36         | 12.3                      | 23.7               |
| 9/10/1996  | 51         | 26.4                      | 24.6               |
| 9/11/1996  | 66         | 40.1                      | 25.9               |
| 9/12/1996  | 63         | 35.9                      | 27.1               |
| 9/13/1996  | 56         | 28.1                      | 27.9               |
| 9/14/1996  | 49         | 20.5                      | 28.5               |
| 9/15/1996  | 43         | 14.2                      | 28.8               |
| 9/16/1996  | 38         | 9.2                       | 28.8               |
| 9/17/1996  | 34         | 5.2                       | 28.8               |
| 9/18/1996  | 31         | 2.4                       | 28.6               |
| 9/19/1996  | 29         | 0.7                       | 28.3               |
| 9/20/1996  | 27         | 0.0                       | 27.0               |
| 9/21/1996  | 26         | 0.0                       | 26.0               |
| 9/22/1996  | 25         | 0.0                       | 25.0               |
| 9/23/1996  | 24         | 0.0                       | 24.0               |
| 9/24/1996  | 22         | 0.0                       | 22.0               |
| 9/25/1996  | 21         | 0.0                       | 21.0               |
| 9/26/1996  | 20         | 0.0                       | 20.0               |
| 9/27/1996  | 19         | 0.0                       | 19.0               |
| 9/28/1996  | 19         | 0.2                       | 18.8               |
| 9/29/1996  | 21         | 2.3                       | 18.7               |
| 9/30/1996  | 22         | 3.3                       | 18.7               |
| 10/1/1996  | 37         | 17.8                      | 19.2               |
| 10/2/1996  | 52         | 31.7                      | 20.3               |
| 10/3/1996  | 66         | 44.2                      | 21.8               |
| 10/4/1996  | 109        | 84.0                      | 25.0               |
| 10/5/1996  | 189        | 158.0                     | 31.0               |
| 10/6/1996  | 212        | 174.3                     | 37.0               |
| 10/7/1996  | 219        | 174.7                     | 44.3               |
| 10/8/1996  | 212        | 161.7                     | 50.3               |
| 10/9/1996  | 188        | 132.9                     | 55.2               |
| 10/10/1996 | 160        | 101.3                     | 58.7               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/22/1996  | 75         | 0.0                       | 75.0               |
| 8/23/1996  | 66         | 0.0                       | 66.0               |
| 8/24/1996  | 59         | 0.0                       | 59.0               |
| 8/25/1996  | 50         | 0.0                       | 50.0               |
| 8/26/1996  | 51         | 1.9                       | 49.1               |
| 8/27/1996  | 54         | 5.4                       | 48.6               |
| 8/28/1996  | 49         | 1.3                       | 47.7               |
| 8/29/1996  | 52         | 4.8                       | 47.2               |
| 8/30/1996  | 54         | 7.2                       | 46.8               |
| 8/31/1996  | 54         | 7.5                       | 46.5               |
| 9/1/1996   | 60         | 13.4                      | 46.6               |
| 9/2/1996   | 105        | 54.9                      | 50.1               |
| 9/3/1996   | 210        | 149.0                     | 61.0               |
| 9/4/1996   | 187        | 117.8                     | 69.2               |
| 9/5/1996   | 125        | 53.0                      | 72.0               |
| 9/6/1996   | 75         | 4.1                       | 70.9               |
| 9/7/1996   | 94         | 22.7                      | 71.3               |
| 9/8/1996   | 93         | 21.4                      | 71.6               |
| 9/9/1996   | 130        | 55.4                      | 74.6               |
| 9/10/1996  | 205        | 122.1                     | 82.9               |
| 9/11/1996  | 267        | 172.0                     | 95.0               |
| 9/12/1996  | 180        | 80.5                      | 99.5               |
| 9/13/1996  | 113        | 14.3                      | 98.7               |
| 9/14/1996  | 92         | 0.0                       | 92.0               |
| 9/15/1996  | 82         | 0.0                       | 82.0               |
| 9/16/1996  | 77         | 0.0                       | 77.0               |
| 9/17/1996  | 68         | 0.0                       | 68.0               |
| 9/18/1996  | 60         | 0.0                       | 60.0               |
| 9/19/1996  | 58         | 0.0                       | 58.0               |
| 9/20/1996  | 57         | 0.1                       | 56.9               |
| 9/21/1996  | 54         | 0.0                       | 54.0               |
| 9/22/1996  | 55         | 1.9                       | 53.1               |
| 9/23/1996  | 54         | 1.8                       | 52.2               |
| 9/24/1996  | 106        | 50.8                      | 55.2               |
| 9/25/1996  | 87         | 30.5                      | 56.5               |
| 9/26/1996  | 68         | 11.7                      | 56.3               |
| 9/27/1996  | 63         | 7.2                       | 55.8               |
| 9/28/1996  | 61         | 5.9                       | 55.1               |
| 9/29/1996  | 68         | 12.9                      | 55.1               |
| 9/30/1996  | 64         | 9.3                       | 54.7               |
| 10/1/1996  | 264        | 194.8                     | 69.2               |
| 10/2/1996  | 322        | 235.4                     | 86.6               |
| 10/3/1996  | 204        | 110.3                     | 93.7               |
| 10/4/1996  | 250        | 146.4                     | 103.6              |
| 10/5/1996  | 424        | 298.6                     | 125.4              |
| 10/6/1996  | 479        | 329.7                     | 149.3              |
| 10/7/1996  | 407        | 241.4                     | 165.6              |
| 10/8/1996  | 360        | 183.1                     | 176.9              |
| 10/9/1996  | 284        | 102.4                     | 181.6              |
| 10/10/1996 | 214        | 33.4                      | 180.6              |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/11/2006 | 15.7       | 9.3                       | 6.4                |
| 4/12/2006 | 17         | 9.9                       | 7.1                |
| 4/13/2006 | 15.7       | 8.1                       | 7.6                |
| 4/14/2006 | 11.7       | 3.9                       | 7.8                |
| 4/15/2006 | 8.6        | 0.9                       | 7.7                |
| 4/16/2006 | 8.1        | 0.5                       | 7.6                |
| 4/17/2006 | 7.3        | 0.0                       | 7.3                |
| 4/18/2006 | 8.1        | 0.9                       | 7.2                |
| 4/19/2006 | 7.4        | 0.3                       | 7.1                |
| 4/20/2006 | 9.5        | 2.4                       | 7.1                |
| 4/21/2006 | 9          | 1.8                       | 7.2                |
| 4/22/2006 | 8.4        | 1.3                       | 7.1                |
| 4/23/2006 | 9.9        | 2.7                       | 7.2                |
| 4/24/2006 | 9.7        | 2.5                       | 7.2                |
| 4/25/2006 | 9.3        | 2.0                       | 7.3                |
| 4/26/2006 | 8.8        | 1.6                       | 7.2                |
| 4/27/2006 | 11.5       | 4.1                       | 7.4                |
| 4/28/2006 | 17.3       | 9.3                       | 8.0                |
| 4/29/2006 | 17         | 8.5                       | 8.5                |
| 4/30/2006 | 20.1       | 10.9                      | 9.2                |
| 5/1/2006  | 21.6       | 11.6                      | 10.0               |
| 5/2/2006  | 20.4       | 9.8                       | 10.6               |
| 5/3/2006  | 16.5       | 5.7                       | 10.8               |
| 5/4/2006  | 16.2       | 5.2                       | 11.0               |
| 5/5/2006  | 16.7       | 5.5                       | 11.2               |
| 5/6/2006  | 17         | 5.6                       | 11.4               |
| 5/7/2006  | 15.7       | 4.2                       | 11.5               |
| 5/8/2006  | 15.9       | 4.2                       | 11.7               |
| 5/9/2006  | 19.8       | 7.8                       | 12.0               |
| 5/10/2006 | 18.4       | 6.1                       | 12.3               |
| 5/11/2006 | 20.4       | 7.7                       | 12.7               |
| 5/12/2006 | 24.2       | 10.9                      | 13.3               |
| 5/13/2006 | 23.2       | 9.4                       | 13.8               |
| 5/14/2006 | 17.5       | 3.7                       | 13.8               |
| 5/15/2006 | 18.1       | 4.2                       | 13.9               |
| 5/16/2006 | 19.8       | 5.8                       | 14.0               |
| 5/17/2006 | 22.9       | 8.5                       | 14.4               |
| 5/18/2006 | 19.8       | 5.2                       | 14.6               |
| 5/19/2006 | 17.5       | 3.0                       | 14.5               |
| 5/20/2006 | 15.9       | 1.6                       | 14.3               |
| 5/21/2006 | 14         | 0.0                       | 14.0               |
| 5/22/2006 | 14.7       | 0.9                       | 13.8               |
| 5/23/2006 | 14.9       | 1.3                       | 13.6               |
| 5/24/2006 | 14.7       | 1.3                       | 13.4               |
| 5/25/2006 | 13.5       | 0.3                       | 13.2               |
| 5/26/2006 | 12.8       | 0.0                       | 12.8               |
| 5/27/2006 | 12.4       | 0.0                       | 12.4               |
| 5/28/2006 | 12.4       | 0.2                       | 12.2               |
| 5/29/2006 | 15.4       | 3.2                       | 12.2               |
| 5/30/2006 | 14.7       | 2.6                       | 12.1               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/11/1996 | 8.6        | 0.5                       | 8.1                |
| 10/12/1996 | 8.1        | 0.1                       | 8.0                |
| 10/13/1996 | 7.6        | 0.0                       | 7.6                |
| 10/14/1996 | 7.9        | 0.4                       | 7.5                |
| 10/15/1996 | 7.6        | 0.2                       | 7.4                |
| 10/16/1996 | 9.2        | 1.8                       | 7.4                |
| 10/17/1996 | 9.2        | 1.8                       | 7.4                |
| 10/18/1996 | 8.6        | 1.3                       | 7.3                |
| 10/19/1996 | 8.5        | 1.2                       | 7.3                |
| 10/20/1996 | 7.4        | 0.3                       | 7.1                |
| 10/21/1996 | 6.9        | 0.0                       | 6.9                |
| 10/22/1996 | 7          | 0.2                       | 6.8                |
| 10/23/1996 | 6.6        | 0.0                       | 6.6                |
| 10/24/1996 | 6.6        | 0.1                       | 6.5                |
| 10/25/1996 | 6.9        | 0.5                       | 6.4                |
| 10/26/1996 | 7.7        | 1.3                       | 6.4                |
| 10/27/1996 | 7          | 0.7                       | 6.3                |
| 10/28/1996 | 6.6        | 0.4                       | 6.2                |
| 10/29/1996 | 6.6        | 0.5                       | 6.1                |
| 10/30/1996 | 6.1        | 0.1                       | 6.0                |
| 10/31/1996 | 6.1        | 0.2                       | 5.9                |
| 11/1/1996  | 5.2        | 0.0                       | 5.2                |
| 11/2/1996  | 6.1        | 0.9                       | 5.2                |
| 11/3/1996  | 5.8        | 0.7                       | 5.1                |
| 11/4/1996  | 5.7        | 0.6                       | 5.1                |
| 11/5/1996  | 5.4        | 0.4                       | 5.0                |
| 11/6/1996  | 6.7        | 1.7                       | 5.0                |
| 11/7/1996  | 7.5        | 2.4                       | 5.1                |
| 11/8/1996  | 6.5        | 1.4                       | 5.1                |
| 11/9/1996  | 5.7        | 0.6                       | 5.1                |
| 11/10/1996 | 5.5        | 0.5                       | 5.0                |
| 11/11/1996 | 5.1        | 0.2                       | 4.9                |
| 11/12/1996 | 4.9        | 0.1                       | 4.8                |
| 11/13/1996 | 4.8        | 0.1                       | 4.7                |
| 11/14/1996 | 4.8        | 0.1                       | 4.7                |
| 11/15/1996 | 5.6        | 1.0                       | 4.6                |
| 11/16/1996 | 5.8        | 1.2                       | 4.6                |
| 11/17/1996 | 5.5        | 0.9                       | 4.6                |
| 11/18/1996 | 5.8        | 1.2                       | 4.6                |
| 11/19/1996 | 6.3        | 1.6                       | 4.7                |
| 11/20/1996 | 6.1        | 1.4                       | 4.7                |
| 11/21/1996 | 6.4        | 1.7                       | 4.7                |
| 11/22/1996 | 5.5        | 0.8                       | 4.7                |
| 11/23/1996 | 6.1        | 1.4                       | 4.7                |
| 11/24/1996 | 5.7        | 1.0                       | 4.7                |
| 11/25/1996 | 4.7        | 0.1                       | 4.6                |
| 11/26/1996 | 6.2        | 1.6                       | 4.6                |
| 11/27/1996 | 6.1        | 1.4                       | 4.7                |
| 11/28/1996 | 5.7        | 1.0                       | 4.7                |
| 11/29/1996 | 5.2        | 0.6                       | 4.6                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/11/1996 | 296        | 0.0                       | 296.0              |
| 10/12/1996 | 219        | 0.0                       | 219.0              |
| 10/13/1996 | 195        | 0.0                       | 195.0              |
| 10/14/1996 | 204        | 14.5                      | 189.5              |
| 10/15/1996 | 221        | 33.7                      | 187.3              |
| 10/16/1996 | 223        | 37.2                      | 185.8              |
| 10/17/1996 | 320        | 122.1                     | 197.9              |
| 10/18/1996 | 422        | 200.0                     | 222.0              |
| 10/19/1996 | 395        | 156.8                     | 238.2              |
| 10/20/1996 | 267        | 33.0                      | 234.0              |
| 10/21/1996 | 172        | 0.0                       | 172.0              |
| 10/22/1996 | 128        | 0.0                       | 128.0              |
| 10/23/1996 | 111        | 0.0                       | 111.0              |
| 10/24/1996 | 100        | 0.0                       | 100.0              |
| 10/25/1996 | 91         | 0.0                       | 91.0               |
| 10/26/1996 | 84         | 0.0                       | 84.0               |
| 10/27/1996 | 81         | 0.3                       | 80.7               |
| 10/28/1996 | 77         | 0.0                       | 77.0               |
| 10/29/1996 | 71         | 0.0                       | 71.0               |
| 10/30/1996 | 68         | 0.0                       | 68.0               |
| 10/31/1996 | 64         | 0.0                       | 64.0               |
| 11/1/1996  | 62         | 0.5                       | 61.5               |
| 11/2/1996  | 61         | 1.7                       | 59.3               |
| 11/3/1996  | 62         | 4.4                       | 57.6               |
| 11/4/1996  | 60         | 4.0                       | 56.0               |
| 11/5/1996  | 54         | 0.2                       | 53.8               |
| 11/6/1996  | 53         | 1.2                       | 51.8               |
| 11/7/1996  | 52         | 1.9                       | 50.1               |
| 11/8/1996  | 48         | 0.0                       | 48.0               |
| 11/9/1996  | 46         | 0.0                       | 46.0               |
| 11/10/1996 | 46         | 1.6                       | 44.4               |
| 11/11/1996 | 42         | 0.0                       | 42.0               |
| 11/12/1996 | 40         | 0.0                       | 40.0               |
| 11/13/1996 | 42         | 3.1                       | 38.9               |
| 11/14/1996 | 42         | 4.0                       | 38.0               |
| 11/15/1996 | 32         | 0.0                       | 32.0               |
| 11/16/1996 | 24         | 0.0                       | 24.0               |
| 11/17/1996 | 30         | 6.0                       | 24.0               |
| 11/18/1996 | 28         | 4.3                       | 23.7               |
| 11/19/1996 | 22         | 0.0                       | 22.0               |
| 11/20/1996 | 23         | 1.6                       | 21.4               |
| 11/21/1996 | 25         | 3.9                       | 21.1               |
| 11/22/1996 | 20         | 0.0                       | 20.0               |
| 11/23/1996 | 23         | 3.3                       | 19.7               |
| 11/24/1996 | 31         | 10.4                      | 20.6               |
| 11/25/1996 | 34         | 12.3                      | 21.7               |
| 11/26/1996 | 31         | 8.7                       | 22.3               |
| 11/27/1996 | 30         | 7.4                       | 22.6               |
| 11/28/1996 | 33         | 9.8                       | 23.2               |
| 11/29/1996 | 35         | 11.0                      | 24.0               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/11/1996 | 134        | 73.0                      | 61.0               |
| 10/12/1996 | 109        | 46.8                      | 62.2               |
| 10/13/1996 | 88         | 25.4                      | 62.6               |
| 10/14/1996 | 79         | 16.3                      | 62.7               |
| 10/15/1996 | 73         | 10.5                      | 62.5               |
| 10/16/1996 | 72         | 9.8                       | 62.2               |
| 10/17/1996 | 97         | 34.0                      | 63.0               |
| 10/18/1996 | 109        | 44.9                      | 64.1               |
| 10/19/1996 | 102        | 37.0                      | 65.0               |
| 10/20/1996 | 83         | 18.0                      | 65.0               |
| 10/21/1996 | 68         | 3.5                       | 64.5               |
| 10/22/1996 | 59         | 0.0                       | 59.0               |
| 10/23/1996 | 53         | 0.0                       | 53.0               |
| 10/24/1996 | 46         | 0.0                       | 46.0               |
| 10/25/1996 | 42         | 0.0                       | 42.0               |
| 10/26/1996 | 39         | 0.0                       | 39.0               |
| 10/27/1996 | 39         | 0.4                       | 38.6               |
| 10/28/1996 | 39         | 0.7                       | 38.3               |
| 10/29/1996 | 37         | 0.0                       | 37.0               |
| 10/30/1996 | 34         | 0.0                       | 34.0               |
| 10/31/1996 | 31         | 0.0                       | 31.0               |
| 11/1/1996  | 29         | 0.0                       | 29.0               |
| 11/2/1996  | 29         | 0.3                       | 28.7               |
| 11/3/1996  | 28         | 0.0                       | 28.0               |
| 11/4/1996  | 26         | 0.0                       | 26.0               |
| 11/5/1996  | 24         | 0.0                       | 24.0               |
| 11/6/1996  | 24         | 0.2                       | 23.8               |
| 11/7/1996  | 24         | 0.5                       | 23.5               |
| 11/8/1996  | 25         | 1.6                       | 23.4               |
| 11/9/1996  | 24         | 0.8                       | 23.2               |
| 11/10/1996 | 22         | 0.0                       | 22.0               |
| 11/11/1996 | 22         | 0.2                       | 21.8               |
| 11/12/1996 | 21         | 0.0                       | 21.0               |
| 11/13/1996 | 20         | 0.0                       | 20.0               |
| 11/14/1996 | 20         | 0.2                       | 19.8               |
| 11/15/1996 | 20         | 0.4                       | 19.6               |
| 11/16/1996 | 19         | 0.0                       | 19.0               |
| 11/17/1996 | 19         | 0.2                       | 18.8               |
| 11/18/1996 | 19         | 0.4                       | 18.6               |
| 11/19/1996 | 19         | 0.5                       | 18.5               |
| 11/20/1996 | 19         | 0.7                       | 18.3               |
| 11/21/1996 | 19         | 0.8                       | 18.2               |
| 11/22/1996 | 19         | 1.0                       | 18.0               |
| 11/23/1996 | 18         | 0.1                       | 17.9               |
| 11/24/1996 | 17         | 0.0                       | 17.0               |
| 11/25/1996 | 17         | 0.2                       | 16.8               |
| 11/26/1996 | 18         | 1.3                       | 16.7               |
| 11/27/1996 | 19         | 2.4                       | 16.6               |
| 11/28/1996 | 19         | 2.4                       | 16.6               |
| 11/29/1996 | 17         | 0.6                       | 16.4               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/11/1996 | 166        | 0.0                       | 166.0              |
| 10/12/1996 | 138        | 0.0                       | 138.0              |
| 10/13/1996 | 113        | 0.0                       | 113.0              |
| 10/14/1996 | 94         | 0.0                       | 94.0               |
| 10/15/1996 | 118        | 24.0                      | 94.0               |
| 10/16/1996 | 155        | 58.2                      | 96.8               |
| 10/17/1996 | 202        | 99.2                      | 102.8              |
| 10/18/1996 | 226        | 116.0                     | 110.0              |
| 10/19/1996 | 177        | 64.0                      | 113.0              |
| 10/20/1996 | 139        | 26.2                      | 112.8              |
| 10/21/1996 | 117        | 6.0                       | 111.0              |
| 10/22/1996 | 105        | 0.0                       | 105.0              |
| 10/23/1996 | 84         | 0.0                       | 84.0               |
| 10/24/1996 | 74         | 0.0                       | 74.0               |
| 10/25/1996 | 67         | 0.0                       | 67.0               |
| 10/26/1996 | 53         | 0.0                       | 53.0               |
| 10/27/1996 | 49         | 0.0                       | 49.0               |
| 10/28/1996 | 47         | 0.0                       | 47.0               |
| 10/29/1996 | 66         | 18.5                      | 47.5               |
| 10/30/1996 | 80         | 30.9                      | 49.1               |
| 10/31/1996 | 60         | 11.0                      | 49.0               |
| 11/1/1996  | 58         | 9.3                       | 48.7               |
| 11/2/1996  | 64         | 15.0                      | 48.0               |
| 11/3/1996  | 57         | 8.4                       | 48.6               |
| 11/4/1996  | 44         | 0.0                       | 44.0               |
| 11/5/1996  | 42         | 0.0                       | 42.0               |
| 11/6/1996  | 41         | 0.0                       | 41.0               |
| 11/7/1996  | 44         | 3.5                       | 40.5               |
| 11/8/1996  | 45         | 5.0                       | 40.0               |
| 11/9/1996  | 42         | 2.5                       | 39.5               |
| 11/10/1996 | 38         | 0.0                       | 38.0               |
| 11/11/1996 | 37         | 0.0                       | 37.0               |
| 11/12/1996 | 36         | 0.0                       | 36.0               |
| 11/13/1996 | 36         | 0.7                       | 35.3               |
| 11/14/1996 | 39         | 4.0                       | 35.0               |
| 11/15/1996 | 41         | 6.2                       | 34.8               |
| 11/16/1996 | 35         | 0.9                       | 34.1               |
| 11/17/1996 | 33         | 0.0                       | 33.0               |
| 11/18/1996 | 34         | 1.5                       | 32.5               |
| 11/19/1996 | 36         | 3.9                       | 32.1               |
| 11/20/1996 | 37         | 5.1                       | 31.9               |
| 11/21/1996 | 36         | 4.4                       | 31.6               |
| 11/22/1996 | 34         | 2.8                       | 31.2               |
| 11/23/1996 | 31         | 0.4                       | 30.6               |
| 11/24/1996 | 31         | 0.9                       | 30.1               |
| 11/25/1996 | 31         | 1.4                       | 29.6               |
| 11/26/1996 | 33         | 3.7                       | 29.3               |
| 11/27/1996 | 34         | 4.9                       | 29.1               |
| 11/28/1996 | 33         | 4.2                       | 28.8               |
| 11/29/1996 | 30         | 1.6                       | 28.4               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/31/2006 | 14         | 1.9                       | 12.1               |
| 6/1/2006  | 11.3       | 0.0                       | 11.3               |
| 6/2/2006  | 11.3       | 0.2                       | 11.1               |
| 6/3/2006  | 11.9       | 1.0                       | 10.9               |
| 6/4/2006  | 23.6       | 11.9                      | 11.7               |
| 6/5/2006  | 13         | 1.4                       | 11.6               |
| 6/6/2006  | 15.7       | 4.0                       | 11.7               |
| 6/7/2006  | 42.6       | 1.1                       | 11.5               |
| 6/8/2006  | 10.3       | 0.0                       | 10.3               |
| 6/9/2006  | 9.5        | 0.0                       | 9.5                |
| 6/10/2006 | 7.7        | 0.0                       | 7.7                |
| 6/11/2006 | 12.6       | 4.7                       | 7.9                |
| 6/12/2006 | 10.7       | 2.7                       | 8.0                |
| 6/13/2006 | 12.8       | 4.6                       | 8.2                |
| 6/14/2006 | 7.4        | 0.0                       | 7.4                |
| 6/15/2006 | 7.6        | 0.3                       | 7.3                |
| 6/16/2006 | 8.8        | 1.5                       | 7.3                |
| 6/17/2006 | 10.1       | 2.8                       | 7.3                |
| 6/18/2006 | 9.7        | 2.3                       | 7.4                |
| 6/19/2006 | 9.9        | 2.5                       | 7.4                |
| 6/20/2006 | 10.1       | 2.6                       | 7.5                |
| 6/21/2006 | 9.3        | 1.8                       | 7.5                |
| 6/22/2006 | 10.1       | 2.6                       | 7.5                |
| 6/23/2006 | 10.9       | 3.3                       | 7.6                |
| 6/24/2006 | 10.7       | 3.0                       | 7.7                |
| 6/25/2006 | 10.5       | 2.7                       | 7.8                |
| 6/26/2006 | 18.9       | 10.4                      | 8.5                |
| 6/27/2006 | 17.3       | 8.3                       | 9.0                |
| 6/28/2006 | 14         | 4.8                       | 9.2                |
| 6/29/2006 | 13.7       | 4.4                       | 9.3                |
| 6/30/2006 | 13.3       | 3.8                       | 9.5                |
| 7/1/2006  | 42.4       | 2.9                       | 9.5                |
| 7/2/2006  | 23.2       | 12.9                      | 10.3               |
| 7/3/2006  | 17.5       | 6.8                       | 10.7               |
| 7/4/2006  | 13.5       | 2.8                       | 10.7               |
| 7/5/2006  | 12.6       | 2.0                       | 10.6               |
| 7/6/2006  | 45.2       | 32.2                      | 13.0               |
| 7/7/2006  | 36         | 21.5                      | 14.5               |
| 7/8/2006  | 27.4       | 12.2                      | 15.2               |
| 7/9/2006  | 21.3       | 6.0                       | 15.3               |
| 7/10/2006 | 18.1       | 2.9                       | 15.2               |
| 7/11/2006 | 17.3       | 2.2                       | 15.1               |
| 7/12/2006 | 17.8       | 2.8                       | 15.0               |
| 7/13/2006 | 15.4       | 0.6                       | 14.8               |
| 7/14/2006 | 14.2       | 0.0                       | 14.2               |
| 7/15/2006 | 13         | 0.0                       | 13.0               |
| 7/16/2006 | 11.5       | 0.0                       | 11.5               |
| 7/17/2006 | 10.9       | 0.0                       | 10.9               |
| 7/18/2006 | 11.9       | 1.1                       | 10.8               |
| 7/19/2006 | 11.5       | 0.9                       | 10.6               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/30/1996 | 4.9        | 0.4                       | 4.5                |
| 12/1/1996  | 5          | 0.5                       | 4.5                |
| 12/2/1996  | 5.3        | 0.8                       | 4.5                |
| 12/3/1996  | 5.3        | 0.9                       | 4.4                |
| 12/4/1996  | 5          | 0.6                       | 4.4                |
| 12/5/1996  | 5.3        | 0.9                       | 4.4                |
| 12/6/1996  | 5.2        | 0.8                       | 4.4                |
| 12/7/1996  | 8.5        | 3.9                       | 4.6                |
| 12/8/1996  | 8.5        | 3.7                       | 4.8                |
| 12/9/1996  | 6.6        | 1.8                       | 4.8                |
| 12/10/1996 | 5.7        | 0.9                       | 4.8                |
| 12/11/1996 | 4.8        | 0.1                       | 4.7                |
| 12/12/1996 | 5          | 0.3                       | 4.7                |
| 12/13/1996 | 4.9        | 0.3                       | 4.6                |
| 12/14/1996 | 4.8        | 0.3                       | 4.5                |
| 12/15/1996 | 4.7        | 0.2                       | 4.5                |
| 12/16/1996 | 4.6        | 0.2                       | 4.4                |
| 12/17/1996 | 4.6        | 0.3                       | 4.3                |
| 12/18/1996 | 4.5        | 0.3                       | 4.2                |
| 12/19/1996 | 4.1        | 0.0                       | 4.1                |
| 12/20/1996 | 3.9        | 0.0                       | 3.9                |
| 12/21/1996 | 4.6        | 0.7                       | 3.9                |
| 12/22/1996 | 4.4        | 0.6                       | 3.8                |
| 12/23/1996 | 4.3        | 0.5                       | 3.8                |
| 12/24/1996 | 4.2        | 0.4                       | 3.8                |
| 12/25/1996 | 4.2        | 0.5                       | 3.7                |
| 12/26/1996 | 4.3        | 0.6                       | 3.7                |
| 12/27/1996 | 4.2        | 0.5                       | 3.7                |
| 12/28/1996 | 4.1        | 0.5                       | 3.6                |
| 12/29/1996 | 4.1        | 0.5                       | 3.6                |
| 12/30/1996 | 4          | 0.4                       | 3.6                |
| 12/31/1996 | 4          | 0.5                       | 3.5                |
| 1/1/1997   | 4          | 0.5                       | 3.5                |
| 1/2/1997   | 4          | 0.5                       | 3.5                |
| 1/3/1997   | 3.8        | 0.4                       | 3.4                |
| 1/4/1997   | 3.8        | 0.4                       | 3.4                |
| 1/5/1997   | 3.7        | 0.3                       | 3.4                |
| 1/6/1997   | 3.7        | 0.4                       | 3.3                |
| 1/7/1997   | 3.8        | 0.5                       | 3.3                |
| 1/8/1997   | 4.1        | 0.8                       | 3.3                |
| 1/9/1997   | 4.7        | 1.4                       | 3.3                |
| 1/10/1997  | 4.8        | 1.4                       | 3.4                |
| 1/11/1997  | 4.5        | 1.1                       | 3.4                |
| 1/12/1997  | 4.4        | 1.0                       | 3.4                |
| 1/13/1997  | 4.5        | 1.1                       | 3.4                |
| 1/14/1997  | 5.7        | 2.2                       | 3.5                |
| 1/15/1997  | 10         | 6.1                       | 3.9                |
| 1/16/1997  | 8.8        | 4.6                       | 4.2                |
| 1/17/1997  | 6.1        | 1.8                       | 4.3                |
| 1/18/1997  | 5.2        | 0.9                       | 4.3                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/30/1996 | 38         | 12.9                      | 25.1               |
| 12/1/1996  | 38         | 11.9                      | 26.1               |
| 12/2/1996  | 36         | 9.5                       | 26.5               |
| 12/3/1996  | 31         | 4.8                       | 26.2               |
| 12/4/1996  | 29         | 3.3                       | 25.7               |
| 12/5/1996  | 35         | 8.9                       | 26.1               |
| 12/6/1996  | 37         | 10.3                      | 26.7               |
| 12/7/1996  | 50         | 21.0                      | 29.0               |
| 12/8/1996  | 73         | 38.9                      | 34.1               |
| 12/9/1996  | 94         | 52.8                      | 41.2               |
| 12/10/1996 | 75         | 30.6                      | 44.4               |
| 12/11/1996 | 57         | 12.4                      | 44.6               |
| 12/12/1996 | 52         | 7.9                       | 44.1               |
| 12/13/1996 | 50         | 6.6                       | 43.4               |
| 12/14/1996 | 47         | 4.6                       | 42.4               |
| 12/15/1996 | 44         | 2.9                       | 41.2               |
| 12/16/1996 | 42         | 2.2                       | 39.8               |
| 12/17/1996 | 38         | 0.0                       | 38.0               |
| 12/18/1996 | 32         | 0.0                       | 32.0               |
| 12/19/1996 | 26         | 0.0                       | 26.0               |
| 12/20/1996 | 20         | 0.0                       | 20.0               |
| 12/21/1996 | 30         | 9.3                       | 20.7               |
| 12/22/1996 | 38         | 15.6                      | 22.4               |
| 12/23/1996 | 38         | 14.3                      | 23.7               |
| 12/24/1996 | 39         | 14.0                      | 25.0               |
| 12/25/1996 | 41         | 14.6                      | 26.4               |
| 12/26/1996 | 40         | 12.7                      | 27.3               |
| 12/27/1996 | 39         | 11.0                      | 28.0               |
| 12/28/1996 | 40         | 11.3                      | 28.7               |
| 12/29/1996 | 42         | 12.5                      | 29.5               |
| 12/30/1996 | 45         | 14.3                      | 30.7               |
| 12/31/1996 | 44         | 12.6                      | 31.4               |
| 1/1/1997   | 40         | 8.5                       | 31.5               |
| 1/2/1997   | 38         | 6.7                       | 31.3               |
| 1/3/1997   | 36         | 5.1                       | 30.9               |
| 1/4/1997   | 37         | 6.3                       | 30.7               |
| 1/5/1997   | 36         | 5.6                       | 30.4               |
| 1/6/1997   | 36         | 5.9                       | 30.1               |
| 1/7/1997   | 37         | 7.0                       | 30.0               |
| 1/8/1997   | 37         | 7.1                       | 29.9               |
| 1/9/1997   | 36         | 6.3                       | 29.7               |
| 1/10/1997  | 39         | 9.0                       | 30.0               |
| 1/11/1997  | 42         | 11.4                      | 30.6               |
| 1/12/1997  | 41         | 10.0                      | 31.0               |
| 1/13/1997  | 45         | 13.1                      | 31.9               |
| 1/14/1997  | 85         | 46.9                      | 38.1               |
| 1/15/1997  | 143        | 91.8                      | 51.2               |
| 1/16/1997  | 175        | 108.5                     | 66.5               |
| 1/17/1997  | 135        | 61.3                      | 73.7               |
| 1/18/1997  | 81         | 8.8                       | 72.2               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/30/1996 | 17         | 0.7                       | 16.3               |
| 12/1/1996  | 16         | 0.0                       | 16.0               |
| 12/2/1996  | 17         | 1.1                       | 15.9               |
| 12/3/1996  | 17         | 1.2                       | 15.8               |
| 12/4/1996  | 17         | 1.3                       | 15.7               |
| 12/5/1996  | 16         | 0.5                       | 15.5               |
| 12/6/1996  | 16         | 0.6                       | 15.4               |
| 12/7/1996  | 18         | 2.6                       | 15.4               |
| 12/8/1996  | 24         | 8.5                       | 15.5               |
| 12/9/1996  | 26         | 10.2                      | 15.8               |
| 12/10/1996 | 24         | 8.0                       | 16.0               |
| 12/11/1996 | 23         | 6.9                       | 16.1               |
| 12/12/1996 | 24         | 7.8                       | 16.2               |
| 12/13/1996 | 21         | 4.7                       | 16.3               |
| 12/14/1996 | 19         | 2.8                       | 16.2               |
| 12/15/1996 | 18         | 1.9                       | 16.1               |
| 12/16/1996 | 17         | 1.0                       | 16.0               |
| 12/17/1996 | 17         | 1.1                       | 15.9               |
| 12/18/1996 | 18         | 2.2                       | 15.8               |
| 12/19/1996 | 18         | 2.3                       | 15.7               |
| 12/20/1996 | 17         | 1.4                       | 15.6               |
| 12/21/1996 | 17         | 1.5                       | 15.5               |
| 12/22/1996 | 17         | 1.6                       | 15.4               |
| 12/23/1996 | 17         | 1.6                       | 15.4               |
| 12/24/1996 | 17         | 1.7                       | 15.3               |
| 12/25/1996 | 17         | 1.8                       | 15.2               |
| 12/26/1996 | 17         | 1.9                       | 15.1               |
| 12/27/1996 | 16         | 1.0                       | 15.0               |
| 12/28/1996 | 17         | 2.1                       | 14.9               |
| 12/29/1996 | 18         | 3.1                       | 14.9               |
| 12/30/1996 | 17         | 2.2                       | 14.8               |
| 12/31/1996 | 17         | 2.2                       | 14.8               |
| 1/1/1997   | 17         | 2.3                       | 14.7               |
| 1/2/1997   | 16         | 1.4                       | 14.6               |
| 1/3/1997   | 16         | 1.5                       | 14.5               |
| 1/4/1997   | 15         | 0.6                       | 14.4               |
| 1/5/1997   | 14         | 0.0                       | 14.0               |
| 1/6/1997   | 13         | 0.0                       | 13.0               |
| 1/7/1997   | 13         | 0.1                       | 12.9               |
| 1/8/1997   | 14         | 1.2                       | 12.8               |
| 1/9/1997   | 13         | 0.3                       | 12.7               |
| 1/10/1997  | 16         | 3.3                       | 12.7               |
| 1/11/1997  | 15         | 2.3                       | 12.7               |
| 1/12/1997  | 15         | 2.4                       | 12.6               |
| 1/13/1997  | 18         | 5.3                       | 12.7               |
| 1/14/1997  | 20         | 7.1                       | 12.9               |
| 1/15/1997  | 25         | 11.8                      | 13.2               |
| 1/16/1997  | 33         | 19.2                      | 13.8               |
| 1/17/1997  | 31         | 16.6                      | 14.4               |
| 1/18/1997  | 26         | 11.3                      | 14.7               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/30/1996 | 29         | 1.1                       | 27.9               |
| 12/1/1996  | 28         | 0.6                       | 27.4               |
| 12/2/1996  | 27         | 0.1                       | 26.9               |
| 12/3/1996  | 27         | 0.6                       | 26.4               |
| 12/4/1996  | 25         | 0.0                       | 25.0               |
| 12/5/1996  | 25         | 0.5                       | 24.5               |
| 12/6/1996  | 25         | 0.9                       | 24.1               |
| 12/7/1996  | 31         | 6.8                       | 24.2               |
| 12/8/1996  | 143        | 110.5                     | 32.5               |
| 12/9/1996  | 104        | 66.8                      | 37.2               |
| 12/10/1996 | 76         | 36.6                      | 39.4               |
| 12/11/1996 | 60         | 19.8                      | 40.2               |
| 12/12/1996 | 49         | 8.9                       | 40.1               |
| 12/13/1996 | 45         | 5.3                       | 39.7               |
| 12/14/1996 | 39         | 0.1                       | 38.9               |
| 12/15/1996 | 38         | 0.0                       | 38.0               |
| 12/16/1996 | 37         | 0.0                       | 37.0               |
| 12/17/1996 | 36         | 0.0                       | 36.0               |
| 12/18/1996 | 29         | 0.0                       | 29.0               |
| 12/19/1996 | 29         | 0.5                       | 28.5               |
| 12/20/1996 | 29         | 1.0                       | 28.0               |
| 12/21/1996 | 31         | 3.3                       | 27.7               |
| 12/22/1996 | 31         | 3.6                       | 27.4               |
| 12/23/1996 | 30         | 2.9                       | 27.1               |
| 12/24/1996 | 33         | 6.0                       | 27.0               |
| 12/25/1996 | 31         | 4.2                       | 26.8               |
| 12/26/1996 | 31         | 4.4                       | 26.6               |
| 12/27/1996 | 31         | 4.5                       | 26.5               |
| 12/28/1996 | 33         | 6.5                       | 26.5               |
| 12/29/1996 | 34         | 7.5                       | 26.5               |
| 12/30/1996 | 33         | 6.5                       | 26.5               |
| 12/31/1996 | 33         | 6.5                       | 26.5               |
| 1/1/1997   | 37         | 10.2                      | 26.8               |
| 1/2/1997   | 28         | 1.6                       | 26.4               |
| 1/3/1997   | 41         | 14.0                      | 27.0               |
| 1/4/1997   | 35         | 7.9                       | 27.1               |
| 1/5/1997   | 31         | 4.1                       | 26.9               |
| 1/6/1997   | 30         | 3.4                       | 26.6               |
| 1/7/1997   | 29         | 2.7                       | 26.3               |
| 1/8/1997   | 28         | 2.1                       | 25.9               |
| 1/9/1997   | 30         | 4.3                       | 25.7               |
| 1/10/1997  | 37         | 10.9                      | 26.1               |
| 1/11/1997  | 32         | 5.9                       | 26.1               |
| 1/12/1997  | 29         | 3.2                       | 25.8               |
| 1/13/1997  | 27         | 1.6                       | 25.4               |
| 1/14/1997  | 44         | 17.7                      | 26.3               |
| 1/15/1997  | 95         | 64.1                      | 30.9               |
| 1/16/1997  | 120        | 83.1                      | 36.9               |
| 1/17/1997  | 54         | 16.5                      | 37.5               |
| 1/18/1997  | 42         | 4.8                       | 37.2               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/20/2006 | 10.9       | 0.4                       | 10.5               |
| 7/21/2006 | 9.7        | 0.0                       | 9.7                |
| 7/22/2006 | 8.2        | 0.0                       | 8.2                |
| 7/23/2006 | 9.1        | 1.0                       | 8.1                |
| 7/24/2006 | 9.7        | 1.6                       | 8.1                |
| 7/25/2006 | 9.3        | 1.3                       | 8.0                |
| 7/26/2006 | 7.9        | 0.0                       | 7.9                |
| 7/27/2006 | 7.1        | 0.0                       | 7.1                |
| 7/28/2006 | 7.4        | 0.4                       | 7.0                |
| 7/29/2006 | 5.9        | 0.0                       | 5.9                |
| 7/30/2006 | 5.1        | 0.0                       | 5.1                |
| 7/31/2006 | 7.4        | 2.2                       | 5.2                |
| 8/1/2006  | 11.3       | 5.8                       | 5.5                |
| 8/2/2006  | 6.1        | 0.6                       | 5.5                |
| 8/3/2006  | 5.1        | 0.0                       | 5.1                |
| 8/4/2006  | 5.1        | 0.1                       | 5.0                |
| 8/5/2006  | 5          | 0.1                       | 4.9                |
| 8/6/2006  | 5.2        | 0.4                       | 4.8                |
| 8/7/2006  | 5.8        | 1.0                       | 4.8                |
| 8/8/2006  | 5.8        | 1.0                       | 4.8                |
| 8/9/2006  | 5.5        | 0.7                       | 4.8                |
| 8/10/2006 | 5.5        | 0.8                       | 4.7                |
| 8/11/2006 | 6.3        | 1.5                       | 4.8                |
| 8/12/2006 | 7.1        | 2.3                       | 4.8                |
| 8/13/2006 | 9.5        | 4.4                       | 5.1                |
| 8/14/2006 | 12.6       | 7.0                       | 5.6                |
| 8/15/2006 | 12.4       | 6.4                       | 6.0                |
| 8/16/2006 | 11.3       | 5.0                       | 6.3                |
| 8/17/2006 | 15.7       | 8.9                       | 6.8                |
| 8/18/2006 | 13.5       | 6.3                       | 7.2                |
| 8/19/2006 | 11.9       | 4.5                       | 7.4                |
| 8/20/2006 | 13.7       | 6.0                       | 7.7                |
| 8/21/2006 | 12.4       | 4.5                       | 7.9                |
| 8/22/2006 | 11.5       | 3.4                       | 8.1                |
| 8/23/2006 | 11.1       | 3.0                       | 8.1                |
| 8/24/2006 | 14.4       | 5.9                       | 8.5                |
| 8/25/2006 | 19.8       | 10.7                      | 9.1                |
| 8/26/2006 | 25.6       | 15.4                      | 10.2               |
| 8/27/2006 | 26.6       | 15.4                      | 11.2               |
| 8/28/2006 | 22         | 10.2                      | 11.8               |
| 8/29/2006 | 20.7       | 8.5                       | 12.2               |
| 8/30/2006 | 73.5       | 56.9                      | 16.6               |
| 8/31/2006 | 194        | 164.6                     | 29.4               |
| 9/1/2006  | 54.6       | 23.9                      | 30.7               |
| 9/2/2006  | 35.2       | 4.7                       | 30.5               |
| 9/3/2006  | 30.3       | 0.4                       | 29.9               |
| 9/4/2006  | 26.3       | 0.0                       | 26.3               |
| 9/5/2006  | 23.2       | 0.0                       | 23.2               |
| 9/6/2006  | 23.6       | 0.8                       | 22.8               |
| 9/7/2006  | 27.4       | 4.7                       | 22.7               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/19/1997 | 5          | 0.7                       | 4.3                |
| 1/20/1997 | 5          | 0.8                       | 4.2                |
| 1/21/1997 | 4.4        | 0.2                       | 4.2                |
| 1/22/1997 | 4.4        | 0.3                       | 4.1                |
| 1/23/1997 | 4.6        | 0.5                       | 4.1                |
| 1/24/1997 | 4.5        | 0.5                       | 4.0                |
| 1/25/1997 | 4.3        | 0.3                       | 4.0                |
| 1/26/1997 | 4.1        | 0.2                       | 3.9                |
| 1/27/1997 | 4.1        | 0.3                       | 3.8                |
| 1/28/1997 | 5          | 1.1                       | 3.9                |
| 1/29/1997 | 6.5        | 2.5                       | 4.0                |
| 1/30/1997 | 4.8        | 0.8                       | 4.0                |
| 1/31/1997 | 4.4        | 0.5                       | 3.9                |
| 2/1/1997  | 4.2        | 0.3                       | 3.9                |
| 2/2/1997  | 4.2        | 0.4                       | 3.8                |
| 2/3/1997  | 4.2        | 0.4                       | 3.8                |
| 2/4/1997  | 4.8        | 1.0                       | 3.8                |
| 2/5/1997  | 5.1        | 1.3                       | 3.8                |
| 2/6/1997  | 5.2        | 1.4                       | 3.8                |
| 2/7/1997  | 5.4        | 1.5                       | 3.9                |
| 2/8/1997  | 5.7        | 1.7                       | 4.0                |
| 2/9/1997  | 5.3        | 1.3                       | 4.0                |
| 2/10/1997 | 5.4        | 1.4                       | 4.0                |
| 2/11/1997 | 5.1        | 1.1                       | 4.0                |
| 2/12/1997 | 4.9        | 0.9                       | 4.0                |
| 2/13/1997 | 5.2        | 1.2                       | 4.0                |
| 2/14/1997 | 5.6        | 1.5                       | 4.1                |
| 2/15/1997 | 6.1        | 2.0                       | 4.1                |
| 2/16/1997 | 7          | 2.7                       | 4.3                |
| 2/17/1997 | 4.8        | 0.6                       | 4.2                |
| 2/18/1997 | 4.2        | 0.0                       | 4.2                |
| 2/19/1997 | 4.5        | 0.4                       | 4.1                |
| 2/20/1997 | 4.6        | 0.5                       | 4.1                |
| 2/21/1997 | 4.1        | 0.1                       | 4.0                |
| 2/22/1997 | 3.4        | 0.0                       | 3.4                |
| 2/23/1997 | 2.8        | 0.0                       | 2.8                |
| 2/24/1997 | 2.9        | 0.1                       | 2.8                |
| 2/25/1997 | 5.6        | 2.7                       | 2.9                |
| 2/26/1997 | 3.2        | 0.3                       | 2.9                |
| 2/27/1997 | 2.3        | 0.0                       | 2.3                |
| 2/28/1997 | 3.1        | 0.8                       | 2.3                |
| 3/1/1997  | 3.3        | 1.0                       | 2.3                |
| 3/2/1997  | 3.9        | 1.5                       | 2.4                |
| 3/3/1997  | 3.6        | 1.1                       | 2.5                |
| 3/4/1997  | 2.9        | 0.5                       | 2.4                |
| 3/5/1997  | 3.5        | 1.0                       | 2.5                |
| 3/6/1997  | 3.5        | 1.0                       | 2.5                |
| 3/7/1997  | 3.5        | 1.0                       | 2.5                |
| 3/8/1997  | 3.8        | 1.2                       | 2.6                |
| 3/9/1997  | 3.6        | 1.0                       | 2.6                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/19/1997 | 64         | 0.0                       | 64.0               |
| 1/20/1997 | 55         | 0.0                       | 55.0               |
| 1/21/1997 | 50         | 0.0                       | 50.0               |
| 1/22/1997 | 51         | 2.6                       | 48.4               |
| 1/23/1997 | 52         | 4.8                       | 47.2               |
| 1/24/1997 | 58         | 10.9                      | 47.1               |
| 1/25/1997 | 68         | 19.6                      | 48.4               |
| 1/26/1997 | 68         | 18.6                      | 49.4               |
| 1/27/1997 | 58         | 9.1                       | 48.9               |
| 1/28/1997 | 48         | 0.9                       | 47.1               |
| 1/29/1997 | 45         | 0.0                       | 45.0               |
| 1/30/1997 | 44         | 0.7                       | 43.3               |
| 1/31/1997 | 44         | 2.1                       | 41.9               |
| 2/1/1997  | 45         | 4.1                       | 40.9               |
| 2/2/1997  | 44         | 4.1                       | 39.9               |
| 2/3/1997  | 45         | 5.8                       | 39.2               |
| 2/4/1997  | 42         | 3.7                       | 38.3               |
| 2/5/1997  | 39         | 2.0                       | 37.0               |
| 2/6/1997  | 41         | 4.7                       | 36.3               |
| 2/7/1997  | 42         | 6.2                       | 35.8               |
| 2/8/1997  | 42         | 6.5                       | 35.5               |
| 2/9/1997  | 40         | 5.1                       | 34.9               |
| 2/10/1997 | 38         | 3.9                       | 34.1               |
| 2/11/1997 | 36         | 2.8                       | 33.2               |
| 2/12/1997 | 38         | 5.3                       | 32.7               |
| 2/13/1997 | 39         | 6.6                       | 32.4               |
| 2/14/1997 | 37         | 5.0                       | 32.0               |
| 2/15/1997 | 38         | 6.3                       | 31.7               |
| 2/16/1997 | 49         | 16.0                      | 33.0               |
| 2/17/1997 | 61         | 25.3                      | 35.7               |
| 2/18/1997 | 62         | 23.9                      | 38.1               |
| 2/19/1997 | 74         | 32.3                      | 41.7               |
| 2/20/1997 | 73         | 28.4                      | 44.6               |
| 2/21/1997 | 40         | 0.0                       | 40.0               |
| 2/22/1997 | 34         | 0.0                       | 34.0               |
| 2/23/1997 | 31         | 0.0                       | 31.0               |
| 2/24/1997 | 33         | 2.8                       | 30.2               |
| 2/25/1997 | 44         | 12.9                      | 31.1               |
| 2/26/1997 | 50         | 17.4                      | 32.6               |
| 2/27/1997 | 47         | 13.5                      | 33.5               |
| 2/28/1997 | 45         | 11.1                      | 33.9               |
| 3/1/1997  | 42         | 8.1                       | 33.9               |
| 3/2/1997  | 37         | 3.9                       | 33.1               |
| 3/3/1997  | 32         | 0.2                       | 31.8               |
| 3/4/1997  | 32         | 1.3                       | 30.7               |
| 3/5/1997  | 31         | 1.3                       | 29.7               |
| 3/6/1997  | 29         | 0.4                       | 28.6               |
| 3/7/1997  | 29         | 1.3                       | 27.7               |
| 3/8/1997  | 31         | 3.8                       | 27.2               |
| 3/9/1997  | 32         | 5.1                       | 26.9               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/19/1997 | 22         | 7.2                       | 14.8               |
| 1/20/1997 | 21         | 6.1                       | 14.9               |
| 1/21/1997 | 22         | 7.0                       | 15.0               |
| 1/22/1997 | 21         | 5.9                       | 15.1               |
| 1/23/1997 | 20         | 4.8                       | 15.2               |
| 1/24/1997 | 19         | 3.8                       | 15.2               |
| 1/25/1997 | 20         | 4.8                       | 15.2               |
| 1/26/1997 | 20         | 4.8                       | 15.2               |
| 1/27/1997 | 20         | 4.7                       | 15.3               |
| 1/28/1997 | 22         | 6.6                       | 15.4               |
| 1/29/1997 | 21         | 5.5                       | 15.5               |
| 1/30/1997 | 20         | 4.5                       | 15.5               |
| 1/31/1997 | 19         | 3.5                       | 15.5               |
| 2/1/1997  | 21         | 5.5                       | 15.5               |
| 2/2/1997  | 19         | 3.5                       | 15.5               |
| 2/3/1997  | 19         | 3.5                       | 15.5               |
| 2/4/1997  | 19         | 3.5                       | 15.5               |
| 2/5/1997  | 19         | 3.5                       | 15.5               |
| 2/6/1997  | 18         | 2.6                       | 15.4               |
| 2/7/1997  | 18         | 2.6                       | 15.4               |
| 2/8/1997  | 18         | 2.7                       | 15.3               |
| 2/9/1997  | 18         | 2.7                       | 15.3               |
| 2/10/1997 | 17         | 1.8                       | 15.2               |
| 2/11/1997 | 16         | 0.9                       | 15.1               |
| 2/12/1997 | 17         | 2.0                       | 15.0               |
| 2/13/1997 | 16         | 1.1                       | 14.9               |
| 2/14/1997 | 16         | 1.2                       | 14.8               |
| 2/15/1997 | 15         | 0.3                       | 14.7               |
| 2/16/1997 | 15         | 0.5                       | 14.5               |
| 2/17/1997 | 16         | 1.5                       | 14.5               |
| 2/18/1997 | 16         | 1.6                       | 14.4               |
| 2/19/1997 | 16         | 1.7                       | 14.3               |
| 2/20/1997 | 16         | 1.8                       | 14.2               |
| 2/21/1997 | 15         | 0.9                       | 14.1               |
| 2/22/1997 | 15         | 1.0                       | 14.0               |
| 2/23/1997 | 14         | 0.1                       | 13.9               |
| 2/24/1997 | 13         | 0.0                       | 13.0               |
| 2/25/1997 | 16         | 3.0                       | 13.0               |
| 2/26/1997 | 16         | 3.0                       | 13.0               |
| 2/27/1997 | 15         | 2.1                       | 12.9               |
| 2/28/1997 | 14         | 1.1                       | 12.9               |
| 3/1/1997  | 14         | 1.2                       | 12.8               |
| 3/2/1997  | 13         | 0.3                       | 12.7               |
| 3/3/1997  | 13         | 0.5                       | 12.5               |
| 3/4/1997  | 13         | 0.6                       | 12.4               |
| 3/5/1997  | 13         | 0.7                       | 12.3               |
| 3/6/1997  | 12         | 0.0                       | 12.0               |
| 3/7/1997  | 12         | 0.1                       | 11.9               |
| 3/8/1997  | 11         | 0.0                       | 11.0               |
| 3/9/1997  | 11         | 0.1                       | 10.9               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/19/1997 | 41         | 4.2                       | 36.8               |
| 1/20/1997 | 54         | 16.7                      | 37.3               |
| 1/21/1997 | 116        | 73.5                      | 42.5               |
| 1/22/1997 | 70         | 26.3                      | 43.7               |
| 1/23/1997 | 34         | 0.0                       | 34.0               |
| 1/24/1997 | 31         | 0.0                       | 31.0               |
| 1/25/1997 | 30         | 0.0                       | 30.0               |
| 1/26/1997 | 41         | 10.7                      | 30.3               |
| 1/27/1997 | 39         | 8.7                       | 30.3               |
| 1/28/1997 | 45         | 14.1                      | 30.9               |
| 1/29/1997 | 54         | 22.0                      | 32.0               |
| 1/30/1997 | 83         | 47.8                      | 35.2               |
| 1/31/1997 | 36         | 1.4                       | 34.6               |
| 2/1/1997  | 34         | 0.1                       | 33.9               |
| 2/2/1997  | 31         | 0.0                       | 31.0               |
| 2/3/1997  | 31         | 0.6                       | 30.4               |
| 2/4/1997  | 31         | 1.1                       | 29.9               |
| 2/5/1997  | 31         | 1.6                       | 29.4               |
| 2/6/1997  | 42         | 12.2                      | 29.8               |
| 2/7/1997  | 36         | 6.3                       | 29.7               |
| 2/8/1997  | 35         | 5.4                       | 29.6               |
| 2/9/1997  | 36         | 6.5                       | 29.5               |
| 2/10/1997 | 35         | 5.6                       | 29.4               |
| 2/11/1997 | 32         | 3.0                       | 29.0               |
| 2/12/1997 | 39         | 9.8                       | 29.2               |
| 2/13/1997 | 32         | 3.1                       | 28.9               |
| 2/14/1997 | 32         | 3.4                       | 28.6               |
| 2/15/1997 | 30         | 1.9                       | 28.1               |
| 2/16/1997 | 30         | 2.2                       | 27.8               |
| 2/17/1997 | 35         | 7.2                       | 27.8               |
| 2/18/1997 | 81         | 49.8                      | 31.2               |
| 2/19/1997 | 34         | 3.2                       | 30.8               |
| 2/20/1997 | 30         | 0.0                       | 30.0               |
| 2/21/1997 | 29         | 0.0                       | 29.0               |
| 2/22/1997 | 29         | 0.5                       | 28.5               |
| 2/23/1997 | 27         | 0.0                       | 27.0               |
| 2/24/1997 | 28         | 1.4                       | 26.6               |
| 2/25/1997 | 55         | 26.8                      | 28.2               |
| 2/26/1997 | 84         | 52.2                      | 31.8               |
| 2/27/1997 | 37         | 5.4                       | 31.6               |
| 2/28/1997 | 31         | 0.0                       | 31.0               |
| 3/1/1997  | 28         | 0.0                       | 28.0               |
| 3/2/1997  | 27         | 0.0                       | 27.0               |
| 3/3/1997  | 26         | 0.0                       | 26.0               |
| 3/4/1997  | 27         | 1.4                       | 25.6               |
| 3/5/1997  | 25         | 0.0                       | 25.0               |
| 3/6/1997  | 24         | 0.0                       | 24.0               |
| 3/7/1997  | 24         | 0.4                       | 23.6               |
| 3/8/1997  | 23         | 0.0                       | 23.0               |
| 3/9/1997  | 22         | 0.0                       | 22.0               |



## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/8/2006   | 34.3       | 11.1                      | 23.2               |
| 9/9/2006   | 34.3       | 10.7                      | 23.6               |
| 9/10/2006  | 34.3       | 10.4                      | 23.9               |
| 9/11/2006  | 36         | 11.6                      | 24.4               |
| 9/12/2006  | 34.7       | 10.0                      | 24.7               |
| 9/13/2006  | 31.9       | 7.1                       | 24.8               |
| 9/14/2006  | 35.6       | 10.5                      | 25.1               |
| 9/15/2006  | 39.1       | 13.4                      | 25.7               |
| 9/16/2006  | 44.2       | 17.6                      | 26.6               |
| 9/17/2006  | 36.4       | 9.6                       | 26.8               |
| 9/18/2006  | 31.9       | 5.2                       | 26.7               |
| 9/19/2006  | 32.3       | 5.7                       | 26.6               |
| 9/20/2006  | 35.6       | 8.8                       | 26.8               |
| 9/21/2006  | 35.1       | 6.3                       | 26.8               |
| 9/22/2006  | 30.3       | 3.8                       | 26.5               |
| 9/23/2006  | 27.7       | 1.6                       | 26.1               |
| 9/24/2006  | 25.2       | 0.0                       | 25.2               |
| 9/25/2006  | 22         | 0.0                       | 22.0               |
| 9/26/2006  | 47.2       | 23.7                      | 23.5               |
| 9/27/2006  | 67.6       | 41.3                      | 26.3               |
| 9/28/2006  | 30.7       | 4.6                       | 26.1               |
| 9/29/2006  | 24.9       | 0.0                       | 24.9               |
| 9/30/2006  | 21.6       | 0.0                       | 21.6               |
| 10/1/2006  | 23.2       | 1.9                       | 21.3               |
| 10/2/2006  | 20.4       | 0.0                       | 20.4               |
| 10/3/2006  | 20.4       | 0.4                       | 20.0               |
| 10/4/2006  | 24.2       | 4.2                       | 20.0               |
| 10/5/2006  | 26.6       | 6.5                       | 20.1               |
| 10/6/2006  | 26.6       | 6.4                       | 20.2               |
| 10/7/2006  | 26.6       | 6.3                       | 20.3               |
| 10/8/2006  | 33.5       | 12.6                      | 20.9               |
| 10/9/2006  | 36         | 14.4                      | 21.6               |
| 10/10/2006 | 35.6       | 13.3                      | 22.3               |
| 10/11/2006 | 36.4       | 13.5                      | 22.9               |
| 10/12/2006 | 34.7       | 11.4                      | 23.3               |
| 10/13/2006 | 33.5       | 9.8                       | 23.7               |
| 10/14/2006 | 36.9       | 12.7                      | 24.2               |
| 10/15/2006 | 31.5       | 7.2                       | 24.3               |
| 10/16/2006 | 28.5       | 4.3                       | 24.2               |
| 10/17/2006 | 25.9       | 2.1                       | 23.8               |
| 10/18/2006 | 25.2       | 1.7                       | 23.5               |
| 10/19/2006 | 22.9       | 0.0                       | 22.9               |
| 10/20/2006 | 22.6       | 0.1                       | 22.5               |
| 10/21/2006 | 23.6       | 1.5                       | 22.1               |
| 10/22/2006 | 21.6       | 0.0                       | 21.6               |
| 10/23/2006 | 26.6       | 5.0                       | 21.6               |
| 10/24/2006 | 32.7       | 10.7                      | 22.0               |
| 10/25/2006 | 20.7       | 0.0                       | 20.7               |
| 10/26/2006 | 19.2       | 0.0                       | 19.2               |
| 10/27/2006 | 15.2       | 0.0                       | 15.2               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/10/1997 | 3.6        | 1.0                       | 2.6                |
| 3/11/1997 | 3.8        | 1.1                       | 2.7                |
| 3/12/1997 | 3.8        | 1.1                       | 2.7                |
| 3/13/1997 | 4.7        | 1.9                       | 2.8                |
| 3/14/1997 | 5.7        | 2.7                       | 3.0                |
| 3/15/1997 | 4          | 1.0                       | 3.0                |
| 3/16/1997 | 3.5        | 0.5                       | 3.0                |
| 3/17/1997 | 3.6        | 0.6                       | 3.0                |
| 3/18/1997 | 3.7        | 0.7                       | 3.0                |
| 3/19/1997 | 3.7        | 0.7                       | 3.0                |
| 3/20/1997 | 3.8        | 0.8                       | 3.0                |
| 3/21/1997 | 4.3        | 1.3                       | 3.0                |
| 3/22/1997 | 3.7        | 0.7                       | 3.0                |
| 3/23/1997 | 3.4        | 0.4                       | 3.0                |
| 3/24/1997 | 3.3        | 0.4                       | 2.9                |
| 3/25/1997 | 3          | 0.1                       | 2.9                |
| 3/26/1997 | 3.8        | 0.9                       | 2.9                |
| 3/27/1997 | 3.3        | 0.4                       | 2.9                |
| 3/28/1997 | 2.8        | 0.0                       | 2.8                |
| 3/29/1997 | 5          | 2.1                       | 2.9                |
| 3/30/1997 | 2.9        | 0.0                       | 2.9                |
| 3/31/1997 | 4.7        | 1.8                       | 2.9                |
| 4/1/1997  | 4.1        | 1.1                       | 3.0                |
| 4/2/1997  | 4.3        | 1.3                       | 3.0                |
| 4/3/1997  | 4          | 1.0                       | 3.0                |
| 4/4/1997  | 4          | 1.0                       | 3.0                |
| 4/5/1997  | 4.4        | 1.3                       | 3.1                |
| 4/6/1997  | 4.3        | 1.2                       | 3.1                |
| 4/7/1997  | 4.3        | 1.1                       | 3.2                |
| 4/8/1997  | 4.2        | 1.0                       | 3.2                |
| 4/9/1997  | 4.1        | 0.9                       | 3.2                |
| 4/10/1997 | 3.8        | 0.6                       | 3.2                |
| 4/11/1997 | 4.4        | 1.2                       | 3.2                |
| 4/12/1997 | 5          | 1.7                       | 3.3                |
| 4/13/1997 | 3.3        | 0.1                       | 3.2                |
| 4/14/1997 | 5.6        | 2.3                       | 3.3                |
| 4/15/1997 | 9.3        | 5.6                       | 3.7                |
| 4/16/1997 | 17         | 12.4                      | 4.6                |
| 4/17/1997 | 12         | 6.9                       | 5.1                |
| 4/18/1997 | 8.1        | 2.9                       | 5.2                |
| 4/19/1997 | 7.2        | 1.9                       | 5.3                |
| 4/20/1997 | 6.7        | 1.4                       | 5.3                |
| 4/21/1997 | 6.4        | 1.1                       | 5.3                |
| 4/22/1997 | 6.1        | 0.9                       | 5.2                |
| 4/23/1997 | 8.6        | 3.2                       | 5.4                |
| 4/24/1997 | 7.7        | 2.2                       | 5.5                |
| 4/25/1997 | 6.4        | 1.0                       | 5.4                |
| 4/26/1997 | 13         | 7.1                       | 5.9                |
| 4/27/1997 | 10         | 3.9                       | 6.1                |
| 4/28/1997 | 11         | 4.7                       | 6.3                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/10/1997 | 31         | 4.5                       | 26.5               |
| 3/11/1997 | 30         | 3.9                       | 26.1               |
| 3/12/1997 | 29         | 3.4                       | 25.6               |
| 3/13/1997 | 35         | 9.0                       | 26.0               |
| 3/14/1997 | 61         | 31.1                      | 29.9               |
| 3/15/1997 | 76         | 40.7                      | 35.3               |
| 3/16/1997 | 51         | 14.8                      | 36.2               |
| 3/17/1997 | 40         | 4.5                       | 35.5               |
| 3/18/1997 | 36         | 1.7                       | 34.3               |
| 3/19/1997 | 35         | 1.8                       | 33.2               |
| 3/20/1997 | 36         | 3.5                       | 32.5               |
| 3/21/1997 | 55         | 20.5                      | 34.5               |
| 3/22/1997 | 74         | 35.3                      | 38.7               |
| 3/23/1997 | 68         | 26.6                      | 41.4               |
| 3/24/1997 | 66         | 22.6                      | 43.4               |
| 3/25/1997 | 64         | 19.3                      | 44.7               |
| 3/26/1997 | 53         | 8.7                       | 44.3               |
| 3/27/1997 | 42         | 0.0                       | 42.0               |
| 3/28/1997 | 40         | 0.0                       | 40.0               |
| 3/29/1997 | 38         | 0.0                       | 38.0               |
| 3/30/1997 | 37         | 0.4                       | 36.6               |
| 3/31/1997 | 35         | 0.0                       | 35.0               |
| 4/1/1997  | 34         | 0.3                       | 33.7               |
| 4/2/1997  | 33         | 0.6                       | 32.4               |
| 4/3/1997  | 33         | 1.6                       | 31.4               |
| 4/4/1997  | 32         | 1.6                       | 30.4               |
| 4/5/1997  | 33         | 3.3                       | 29.7               |
| 4/6/1997  | 33         | 3.9                       | 29.1               |
| 4/7/1997  | 32         | 3.5                       | 28.5               |
| 4/8/1997  | 29         | 1.4                       | 27.6               |
| 4/9/1997  | 28         | 1.3                       | 26.7               |
| 4/10/1997 | 27         | 1.2                       | 25.8               |
| 4/11/1997 | 29         | 3.6                       | 25.4               |
| 4/12/1997 | 33         | 7.5                       | 25.5               |
| 4/13/1997 | 33         | 7.3                       | 25.7               |
| 4/14/1997 | 38         | 11.5                      | 26.5               |
| 4/15/1997 | 68         | 36.7                      | 31.3               |
| 4/16/1997 | 121        | 78.4                      | 42.6               |
| 4/17/1997 | 181        | 120.8                     | 60.2               |
| 4/18/1997 | 145        | 75.2                      | 69.8               |
| 4/19/1997 | 73         | 5.1                       | 67.9               |
| 4/20/1997 | 56         | 0.0                       | 56.0               |
| 4/21/1997 | 50         | 0.0                       | 50.0               |
| 4/22/1997 | 48         | 0.0                       | 48.0               |
| 4/23/1997 | 94         | 41.3                      | 52.7               |
| 4/24/1997 | 168        | 101.2                     | 66.8               |
| 4/25/1997 | 141        | 66.3                      | 74.7               |
| 4/26/1997 | 160        | 76.1                      | 83.9               |
| 4/27/1997 | 358        | 239.2                     | 118.8              |
| 4/28/1997 | 436        | 277.5                     | 158.5              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/10/1997 | 11         | 0.2                       | 10.8               |
| 3/11/1997 | 12         | 1.3                       | 10.7               |
| 3/12/1997 | 13         | 2.3                       | 10.7               |
| 3/13/1997 | 13         | 2.3                       | 10.7               |
| 3/14/1997 | 15         | 4.2                       | 10.8               |
| 3/15/1997 | 15         | 4.2                       | 10.8               |
| 3/16/1997 | 13         | 2.2                       | 10.8               |
| 3/17/1997 | 12         | 1.3                       | 10.7               |
| 3/18/1997 | 11         | 0.3                       | 10.7               |
| 3/19/1997 | 11         | 0.4                       | 10.6               |
| 3/20/1997 | 13         | 2.4                       | 10.6               |
| 3/21/1997 | 15         | 4.4                       | 10.6               |
| 3/22/1997 | 14         | 3.3                       | 10.7               |
| 3/23/1997 | 13         | 2.4                       | 10.6               |
| 3/24/1997 | 12         | 1.4                       | 10.6               |
| 3/25/1997 | 12         | 1.5                       | 10.5               |
| 3/26/1997 | 12         | 1.5                       | 10.5               |
| 3/27/1997 | 11         | 0.6                       | 10.4               |
| 3/28/1997 | 10         | 0.0                       | 10.0               |
| 3/29/1997 | 11         | 1.1                       | 9.9                |
| 3/30/1997 | 13         | 3.0                       | 10.0               |
| 3/31/1997 | 13         | 3.0                       | 10.0               |
| 4/1/1997  | 12         | 2.0                       | 10.0               |
| 4/2/1997  | 11         | 1.1                       | 9.9                |
| 4/3/1997  | 11         | 1.1                       | 9.9                |
| 4/4/1997  | 12         | 2.2                       | 9.8                |
| 4/5/1997  | 11         | 1.2                       | 9.8                |
| 4/6/1997  | 10         | 0.3                       | 9.7                |
| 4/7/1997  | 9.6        | 0.0                       | 9.6                |
| 4/8/1997  | 9.8        | 0.3                       | 9.5                |
| 4/9/1997  | 11         | 1.5                       | 9.5                |
| 4/10/1997 | 9.7        | 0.3                       | 9.4                |
| 4/11/1997 | 9.3        | 0.0                       | 9.3                |
| 4/12/1997 | 10         | 0.8                       | 9.2                |
| 4/13/1997 | 10         | 0.8                       | 9.2                |
| 4/14/1997 | 10         | 0.9                       | 9.1                |
| 4/15/1997 | 17         | 7.7                       | 9.3                |
| 4/16/1997 | 58         | 46.9                      | 11.1               |
| 4/17/1997 | 79         | 65.4                      | 13.6               |
| 4/18/1997 | 51         | 36.1                      | 14.9               |
| 4/19/1997 | 37         | 21.4                      | 15.6               |
| 4/20/1997 | 30         | 14.0                      | 16.0               |
| 4/21/1997 | 27         | 10.7                      | 16.3               |
| 4/22/1997 | 25         | 8.5                       | 16.5               |
| 4/23/1997 | 30         | 13.2                      | 16.8               |
| 4/24/1997 | 33         | 15.7                      | 17.3               |
| 4/25/1997 | 27         | 9.5                       | 17.5               |
| 4/26/1997 | 33         | 15.1                      | 17.9               |
| 4/27/1997 | 44         | 25.2                      | 18.8               |
| 4/28/1997 | 46         | 26.4                      | 19.6               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/10/1997 | 23         | 1.3                       | 21.7               |
| 3/11/1997 | 25         | 3.5                       | 21.5               |
| 3/12/1997 | 25         | 3.6                       | 21.4               |
| 3/13/1997 | 26         | 4.7                       | 21.3               |
| 3/14/1997 | 50         | 27.0                      | 23.0               |
| 3/15/1997 | 79         | 52.2                      | 26.8               |
| 3/16/1997 | 54         | 25.7                      | 28.3               |
| 3/17/1997 | 37         | 8.6                       | 28.4               |
| 3/18/1997 | 22         | 0.0                       | 22.0               |
| 3/19/1997 | 22         | 0.4                       | 21.6               |
| 3/20/1997 | 19         | 0.0                       | 19.0               |
| 3/21/1997 | 22         | 3.1                       | 18.9               |
| 3/22/1997 | 24         | 5.1                       | 18.9               |
| 3/23/1997 | 22         | 3.2                       | 18.8               |
| 3/24/1997 | 22         | 3.3                       | 18.7               |
| 3/25/1997 | 23         | 4.4                       | 18.6               |
| 3/26/1997 | 23         | 4.4                       | 18.6               |
| 3/27/1997 | 20         | 1.6                       | 18.4               |
| 3/28/1997 | 18         | 0.0                       | 18.0               |
| 3/29/1997 | 18         | 0.3                       | 17.7               |
| 3/30/1997 | 19         | 1.6                       | 17.4               |
| 3/31/1997 | 19         | 1.8                       | 17.2               |
| 4/1/1997  | 20         | 2.9                       | 17.1               |
| 4/2/1997  | 23         | 5.8                       | 17.2               |
| 4/3/1997  | 19         | 2.0                       | 17.0               |
| 4/4/1997  | 20         | 3.0                       | 17.0               |
| 4/5/1997  | 19         | 2.2                       | 16.8               |
| 4/6/1997  | 18         | 1.4                       | 16.6               |
| 4/7/1997  | 19         | 2.6                       | 16.4               |
| 4/8/1997  | 17         | 0.8                       | 16.2               |
| 4/9/1997  | 17         | 1.1                       | 15.9               |
| 4/10/1997 | 18         | 2.2                       | 15.8               |
| 4/11/1997 | 21         | 5.1                       | 15.9               |
| 4/12/1997 | 28         | 11.5                      | 16.5               |
| 4/13/1997 | 29         | 11.9                      | 17.1               |
| 4/14/1997 | 22         | 4.8                       | 17.2               |
| 4/15/1997 | 31         | 13.1                      | 17.9               |
| 4/16/1997 | 67         | 45.8                      | 21.2               |
| 4/17/1997 | 122        | 93.7                      | 28.3               |
| 4/18/1997 | 50         | 20.7                      | 29.3               |
| 4/19/1997 | 34         | 4.9                       | 29.1               |
| 4/20/1997 | 27         | 0.0                       | 27.0               |
| 4/21/1997 | 25         | 0.0                       | 25.0               |
| 4/22/1997 | 41         | 15.3                      | 25.7               |
| 4/23/1997 | 39         | 12.8                      | 26.2               |
| 4/24/1997 | 104        | 72.5                      | 31.5               |
| 4/25/1997 | 53         | 20.5                      | 32.5               |
| 4/26/1997 | 52         | 18.6                      | 33.4               |
| 4/27/1997 | 154        | 112.3                     | 41.7               |
| 4/28/1997 | 170        | 119.6                     | 50.4               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/28/2006 | 14.4       | 0.0                       | 14.4               |
| 10/29/2006 | 21         | 6.4                       | 14.6               |
| 10/30/2006 | 18.7       | 4.0                       | 14.7               |
| 10/31/2006 | 17         | 2.4                       | 14.6               |
| 11/1/2006  | 98.2       | 77.7                      | 20.5               |
| 11/2/2006  | 28.5       | 7.8                       | 20.7               |
| 11/3/2006  | 38.2       | 16.6                      | 21.6               |
| 11/4/2006  | 37.3       | 14.9                      | 22.4               |
| 11/5/2006  | 30.3       | 7.8                       | 22.5               |
| 11/6/2006  | 30.7       | 8.0                       | 22.7               |
| 11/7/2006  | 28.8       | 6.0                       | 22.8               |
| 11/8/2006  | 31.1       | 8.1                       | 23.0               |
| 11/9/2006  | 30         | 6.9                       | 23.1               |
| 11/10/2006 | 27         | 4.1                       | 22.9               |
| 11/11/2006 | 24.6       | 2.0                       | 22.6               |
| 11/12/2006 | 24.6       | 2.3                       | 23.3               |
| 11/13/2006 | 23.6       | 1.6                       | 22.0               |
| 11/14/2006 | 19.8       | 0.0                       | 19.8               |
| 11/15/2006 | 16.7       | 0.0                       | 16.7               |
| 11/16/2006 | 14.4       | 0.0                       | 14.4               |
| 11/17/2006 | 18.1       | 3.7                       | 14.4               |
| 11/18/2006 | 15.9       | 1.6                       | 14.3               |
| 11/19/2006 | 14.2       | 0.2                       | 14.0               |
| 11/20/2006 | 13.7       | 0.0                       | 13.7               |
| 11/21/2006 | 15.4       | 1.8                       | 13.6               |
| 11/22/2006 | 14.4       | 1.0                       | 13.4               |
| 11/23/2006 | 15.4       | 2.1                       | 13.3               |
| 11/24/2006 | 18.7       | 5.3                       | 13.4               |
| 11/25/2006 | 18.7       | 5.1                       | 13.6               |
| 11/26/2006 | 20.4       | 6.6                       | 13.8               |
| 11/27/2006 | 22.3       | 8.1                       | 14.2               |
| 11/28/2006 | 22.9       | 8.3                       | 14.6               |
| 11/29/2006 | 24.2       | 9.2                       | 15.0               |
| 11/30/2006 | 21         | 5.8                       | 15.2               |
| 12/1/2006  | 18.7       | 3.5                       | 15.2               |
| 12/2/2006  | 18.7       | 3.5                       | 15.2               |
| 12/3/2006  | 18.4       | 3.3                       | 15.1               |
| 12/4/2006  | 22         | 6.7                       | 15.3               |
| 12/5/2006  | 21.3       | 5.8                       | 15.5               |
| 12/6/2006  | 14.9       | 0.0                       | 14.9               |
| 12/7/2006  | 15.4       | 0.7                       | 14.7               |
| 12/8/2006  | 24.6       | 9.5                       | 15.1               |
| 12/9/2006  | 15.7       | 0.8                       | 14.9               |
| 12/10/2006 | 14.2       | 0.0                       | 14.2               |
| 12/11/2006 | 12.8       | 0.0                       | 12.8               |
| 12/12/2006 | 12.6       | 0.1                       | 12.5               |
| 12/13/2006 | 11.1       | 0.0                       | 11.1               |
| 12/14/2006 | 11.9       | 0.9                       | 11.0               |
| 12/15/2006 | 13         | 2.1                       | 10.9               |
| 12/16/2006 | 14         | 3.1                       | 10.9               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/29/1997 | 9.9        | 3.4                       | 6.5                |
| 4/30/1997 | 7.5        | 1.1                       | 6.4                |
| 5/1/1997  | 6.6        | 0.3                       | 6.3                |
| 5/2/1997  | 5.6        | 0.0                       | 5.6                |
| 5/3/1997  | 6.1        | 0.6                       | 5.5                |
| 5/4/1997  | 5.9        | 0.4                       | 5.5                |
| 5/5/1997  | 5.7        | 0.3                       | 5.4                |
| 5/6/1997  | 5.9        | 0.6                       | 5.3                |
| 5/7/1997  | 5.9        | 0.6                       | 5.3                |
| 5/8/1997  | 5.2        | 0.0                       | 5.2                |
| 5/9/1997  | 5.2        | 0.1                       | 5.1                |
| 5/10/1997 | 5.5        | 0.5                       | 5.0                |
| 5/11/1997 | 4.4        | 0.0                       | 4.4                |
| 5/12/1997 | 58         | 49.7                      | 8.3                |
| 5/13/1997 | 21         | 11.9                      | 9.1                |
| 5/14/1997 | 13         | 3.8                       | 9.2                |
| 5/15/1997 | 11         | 1.8                       | 9.2                |
| 5/16/1997 | 9.8        | 0.8                       | 9.0                |
| 5/17/1997 | 9.1        | 0.2                       | 8.9                |
| 5/18/1997 | 8.7        | 0.0                       | 8.7                |
| 5/19/1997 | 9.5        | 0.9                       | 8.6                |
| 5/20/1997 | 9.1        | 0.6                       | 8.5                |
| 5/21/1997 | 8          | 0.0                       | 8.0                |
| 5/22/1997 | 7.7        | 0.0                       | 7.7                |
| 5/23/1997 | 18         | 9.7                       | 8.3                |
| 5/24/1997 | 13         | 4.5                       | 8.5                |
| 5/25/1997 | 11         | 2.5                       | 8.5                |
| 5/26/1997 | 10         | 1.5                       | 8.5                |
| 5/27/1997 | 11         | 2.5                       | 8.5                |
| 5/28/1997 | 11         | 2.5                       | 8.5                |
| 5/29/1997 | 8.9        | 0.5                       | 8.4                |
| 5/30/1997 | 7.5        | 0.0                       | 7.5                |
| 5/31/1997 | 8.9        | 1.4                       | 7.5                |
| 6/1/1997  | 9.3        | 1.8                       | 7.5                |
| 6/2/1997  | 8.7        | 1.3                       | 7.4                |
| 6/3/1997  | 7.5        | 0.2                       | 7.3                |
| 6/4/1997  | 6.9        | 0.0                       | 6.9                |
| 6/5/1997  | 6.5        | 0.0                       | 6.5                |
| 6/6/1997  | 6.3        | 0.0                       | 6.3                |
| 6/7/1997  | 6          | 0.0                       | 6.0                |
| 6/8/1997  | 6          | 0.1                       | 5.9                |
| 6/9/1997  | 6.9        | 1.0                       | 5.9                |
| 6/10/1997 | 18         | 11.4                      | 6.6                |
| 6/11/1997 | 11         | 4.2                       | 6.8                |
| 6/12/1997 | 23         | 15.1                      | 7.9                |
| 6/13/1997 | 19         | 10.4                      | 8.6                |
| 6/14/1997 | 27         | 17.2                      | 9.8                |
| 6/15/1997 | 21         | 10.6                      | 10.4               |
| 6/16/1997 | 14         | 3.5                       | 10.5               |
| 6/17/1997 | 19         | 8.1                       | 10.9               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/29/1997 | 383        | 198.0                     | 184.0              |
| 4/30/1997 | 234        | 49.5                      | 184.5              |
| 5/1/1997  | 114        | 0.0                       | 114.0              |
| 5/2/1997  | 84         | 0.0                       | 84.0               |
| 5/3/1997  | 75         | 0.0                       | 75.0               |
| 5/4/1997  | 73         | 0.9                       | 72.1               |
| 5/5/1997  | 67         | 0.0                       | 67.0               |
| 5/6/1997  | 52         | 0.0                       | 52.0               |
| 5/7/1997  | 42         | 0.0                       | 42.0               |
| 5/8/1997  | 40         | 0.0                       | 40.0               |
| 5/9/1997  | 39         | 0.5                       | 38.5               |
| 5/10/1997 | 40         | 2.6                       | 37.4               |
| 5/11/1997 | 42         | 5.3                       | 36.7               |
| 5/12/1997 | 49         | 11.9                      | 37.1               |
| 5/13/1997 | 66         | 26.2                      | 39.8               |
| 5/14/1997 | 70         | 27.4                      | 42.6               |
| 5/15/1997 | 63         | 19.0                      | 44.0               |
| 5/16/1997 | 57         | 12.7                      | 44.3               |
| 5/17/1997 | 55         | 10.8                      | 44.2               |
| 5/18/1997 | 52         | 8.2                       | 43.8               |
| 5/19/1997 | 45         | 2.6                       | 42.4               |
| 5/20/1997 | 44         | 2.8                       | 41.2               |
| 5/21/1997 | 52         | 10.8                      | 41.2               |
| 5/22/1997 | 54         | 12.4                      | 41.6               |
| 5/23/1997 | 48         | 7.0                       | 41.0               |
| 5/24/1997 | 41         | 1.4                       | 39.6               |
| 5/25/1997 | 37         | 0.0                       | 37.0               |
| 5/26/1997 | 35         | 0.0                       | 35.0               |
| 5/27/1997 | 37         | 2.9                       | 34.1               |
| 5/28/1997 | 45         | 10.6                      | 34.4               |
| 5/29/1997 | 45         | 10.3                      | 34.7               |
| 5/30/1997 | 40         | 5.8                       | 34.2               |
| 5/31/1997 | 39         | 5.3                       | 33.7               |
| 6/1/1997  | 44         | 10.0                      | 34.0               |
| 6/2/1997  | 63         | 26.2                      | 36.8               |
| 6/3/1997  | 79         | 37.7                      | 41.3               |
| 6/4/1997  | 71         | 27.0                      | 44.0               |
| 6/5/1997  | 47         | 4.1                       | 42.9               |
| 6/6/1997  | 26         | 0.0                       | 26.0               |
| 6/7/1997  | 22         | 0.0                       | 22.0               |
| 6/8/1997  | 19         | 0.0                       | 19.0               |
| 6/9/1997  | 25         | 5.8                       | 19.2               |
| 6/10/1997 | 110        | 79.0                      | 31.0               |
| 6/11/1997 | 163        | 114.8                     | 48.2               |
| 6/12/1997 | 99         | 45.5                      | 53.5               |
| 6/13/1997 | 79         | 23.8                      | 55.2               |
| 6/14/1997 | 170        | 100.9                     | 69.1               |
| 6/15/1997 | 420        | 304.9                     | 115.1              |
| 6/16/1997 | 413        | 260.7                     | 152.3              |
| 6/17/1997 | 232        | 74.0                      | 158.0              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/29/1997 | 58         | 37.1                      | 20.9               |
| 4/30/1997 | 49         | 27.2                      | 21.8               |
| 5/1/1997  | 37         | 14.8                      | 22.2               |
| 5/2/1997  | 32         | 9.7                       | 22.3               |
| 5/3/1997  | 32         | 9.5                       | 22.5               |
| 5/4/1997  | 63         | 39.2                      | 23.8               |
| 5/5/1997  | 52         | 27.3                      | 24.7               |
| 5/6/1997  | 39         | 14.0                      | 25.0               |
| 5/7/1997  | 33         | 7.9                       | 25.1               |
| 5/8/1997  | 29         | 4.0                       | 25.0               |
| 5/9/1997  | 26         | 1.2                       | 24.8               |
| 5/10/1997 | 23         | 0.0                       | 23.0               |
| 5/11/1997 | 21         | 0.0                       | 21.0               |
| 5/12/1997 | 29         | 7.9                       | 21.1               |
| 5/13/1997 | 50         | 28.0                      | 22.0               |
| 5/14/1997 | 52         | 29.0                      | 23.0               |
| 5/15/1997 | 41         | 17.6                      | 23.4               |
| 5/16/1997 | 34         | 10.4                      | 23.6               |
| 5/17/1997 | 30         | 6.4                       | 23.6               |
| 5/18/1997 | 29         | 5.4                       | 23.6               |
| 5/19/1997 | 28         | 4.4                       | 23.6               |
| 5/20/1997 | 32         | 8.4                       | 23.6               |
| 5/21/1997 | 33         | 9.2                       | 23.8               |
| 5/22/1997 | 28         | 4.3                       | 23.7               |
| 5/23/1997 | 26         | 2.4                       | 23.6               |
| 5/24/1997 | 27         | 3.5                       | 23.5               |
| 5/25/1997 | 26         | 2.6                       | 23.4               |
| 5/26/1997 | 23         | 0.0                       | 23.0               |
| 5/27/1997 | 23         | 0.2                       | 22.8               |
| 5/28/1997 | 37         | 13.9                      | 23.1               |
| 5/29/1997 | 32         | 8.8                       | 23.2               |
| 5/30/1997 | 27         | 3.9                       | 23.1               |
| 5/31/1997 | 24         | 1.0                       | 23.0               |
| 6/1/1997  | 28         | 5.1                       | 22.9               |
| 6/2/1997  | 37         | 13.7                      | 23.3               |
| 6/3/1997  | 37         | 13.4                      | 23.6               |
| 6/4/1997  | 33         | 9.3                       | 23.7               |
| 6/5/1997  | 29         | 5.3                       | 23.7               |
| 6/6/1997  | 25         | 1.5                       | 23.5               |
| 6/7/1997  | 21         | 0.0                       | 21.0               |
| 6/8/1997  | 18         | 0.0                       | 18.0               |
| 6/9/1997  | 18         | 0.2                       | 17.8               |
| 6/10/1997 | 26         | 8.0                       | 18.0               |
| 6/11/1997 | 28         | 9.8                       | 18.2               |
| 6/12/1997 | 25         | 6.7                       | 18.3               |
| 6/13/1997 | 30         | 11.5                      | 18.5               |
| 6/14/1997 | 81         | 60.2                      | 20.8               |
| 6/15/1997 | 122        | 97.5                      | 24.5               |
| 6/16/1997 | 80         | 53.6                      | 26.4               |
| 6/17/1997 | 66         | 38.4                      | 27.6               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/29/1997 | 208        | 146.9                     | 61.1               |
| 4/30/1997 | 140        | 74.1                      | 65.9               |
| 5/1/1997  | 47         | 0.0                       | 47.0               |
| 5/2/1997  | 35         | 0.0                       | 35.0               |
| 5/3/1997  | 34         | 0.0                       | 34.0               |
| 5/4/1997  | 40         | 6.2                       | 33.8               |
| 5/5/1997  | 29         | 0.0                       | 29.0               |
| 5/6/1997  | 26         | 0.0                       | 26.0               |
| 5/7/1997  | 29         | 3.3                       | 25.7               |
| 5/8/1997  | 24         | 0.0                       | 24.0               |
| 5/9/1997  | 22         | 0.0                       | 22.0               |
| 5/10/1997 | 18         | 0.0                       | 18.0               |
| 5/11/1997 | 16         | 0.0                       | 16.0               |
| 5/12/1997 | 24         | 7.7                       | 16.3               |
| 5/13/1997 | 83         | 62.1                      | 20.9               |
| 5/14/1997 | 110        | 82.9                      | 27.1               |
| 5/15/1997 | 80         | 49.4                      | 30.6               |
| 5/16/1997 | 61         | 28.8                      | 32.2               |
| 5/17/1997 | 47         | 14.3                      | 32.7               |
| 5/18/1997 | 44         | 11.0                      | 33.0               |
| 5/19/1997 | 50         | 16.4                      | 33.6               |
| 5/20/1997 | 75         | 38.9                      | 36.1               |
| 5/21/1997 | 74         | 35.8                      | 38.2               |
| 5/22/1997 | 70         | 30.1                      | 39.9               |
| 5/23/1997 | 50         | 10.1                      | 39.9               |
| 5/24/1997 | 58         | 17.5                      | 40.5               |
| 5/25/1997 | 51         | 10.5                      | 40.5               |
| 5/26/1997 | 41         | 1.2                       | 39.8               |
| 5/27/1997 | 34         | 0.0                       | 34.0               |
| 5/28/1997 | 46         | 11.7                      | 34.3               |
| 5/29/1997 | 47         | 12.4                      | 34.6               |
| 5/30/1997 | 31         | 0.0                       | 31.0               |
| 5/31/1997 | 45         | 13.5                      | 31.5               |
| 6/1/1997  | 58         | 25.2                      | 32.8               |
| 6/2/1997  | 70         | 35.0                      | 35.0               |
| 6/3/1997  | 61         | 24.7                      | 36.3               |
| 6/4/1997  | 97         | 56.9                      | 40.1               |
| 6/5/1997  | 43         | 3.4                       | 39.6               |
| 6/6/1997  | 33         | 0.0                       | 33.0               |
| 6/7/1997  | 26         | 0.0                       | 26.0               |
| 6/8/1997  | 23         | 0.0                       | 23.0               |
| 6/9/1997  | 25         | 2.3                       | 22.7               |
| 6/10/1997 | 96         | 68.3                      | 27.7               |
| 6/11/1997 | 144        | 108.2                     | 35.8               |
| 6/12/1997 | 94         | 54.5                      | 39.5               |
| 6/13/1997 | 54         | 14.2                      | 39.8               |
| 6/14/1997 | 105        | 61.1                      | 43.9               |
| 6/15/1997 | 229        | 172.2                     | 56.8               |
| 6/16/1997 | 152        | 89.2                      | 62.8               |
| 6/17/1997 | 166        | 96.7                      | 69.3               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/17/2006 | 13         | 2.1                       | 10.9               |
| 12/18/2006 | 13.3       | 2.4                       | 10.9               |
| 12/19/2006 | 14.2       | 3.3                       | 10.9               |
| 12/20/2006 | 13         | 2.1                       | 10.9               |
| 12/21/2006 | 12.6       | 1.8                       | 10.8               |
| 12/22/2006 | 11.9       | 1.2                       | 10.7               |
| 12/23/2006 | 20.4       | 9.2                       | 11.2               |
| 12/24/2006 | 20.4       | 8.7                       | 11.7               |
| 12/25/2006 | 16.5       | 4.7                       | 11.8               |
| 12/26/2006 | 22.3       | 9.9                       | 12.4               |
| 12/27/2006 | 23.9       | 10.9                      | 13.0               |
| 12/28/2006 | 19.2       | 6.0                       | 13.2               |
| 12/29/2006 | 18.1       | 4.8                       | 13.3               |
| 12/30/2006 | 17.8       | 4.4                       | 13.4               |
| 12/31/2006 | 17         | 3.6                       | 13.4               |
| 1/1/2007   | 16.2       | 2.8                       | 13.4               |
| 1/2/2007   | 21.3       | 7.6                       | 13.7               |
| 1/3/2007   | 20.1       | 6.2                       | 13.9               |
| 1/4/2007   | 18.4       | 4.4                       | 14.0               |
| 1/5/2007   | 17         | 3.0                       | 14.0               |
| 1/6/2007   | 15.9       | 2.0                       | 13.9               |
| 1/7/2007   | 14         | 0.4                       | 13.6               |
| 1/8/2007   | 11.1       | 0.0                       | 11.1               |
| 1/9/2007   | 14.7       | 3.5                       | 11.2               |
| 1/10/2007  | 13.5       | 2.4                       | 11.1               |
| 1/11/2007  | 10.5       | 0.0                       | 10.5               |
| 1/12/2007  | 9          | 0.0                       | 9.0                |
| 1/13/2007  | 9.3        | 0.4                       | 8.9                |
| 1/14/2007  | 9.3        | 0.6                       | 8.7                |
| 1/15/2007  | 8.8        | 0.2                       | 8.6                |
| 1/16/2007  | 8.2        | 0.0                       | 8.2                |
| 1/17/2007  | 12.6       | 4.2                       | 8.4                |
| 1/18/2007  | 11.1       | 2.7                       | 8.4                |
| 1/19/2007  | 12.4       | 3.8                       | 8.6                |
| 1/20/2007  | 15.2       | 6.3                       | 8.9                |
| 1/21/2007  | 11.7       | 2.8                       | 8.9                |
| 1/22/2007  | 10.3       | 1.4                       | 8.9                |
| 1/23/2007  | 15.2       | 6.0                       | 9.2                |
| 1/24/2007  | 16.5       | 7.0                       | 9.5                |
| 1/25/2007  | 24.6       | 14.1                      | 10.5               |
| 1/26/2007  | 20.1       | 9.1                       | 11.0               |
| 1/27/2007  | 14.2       | 3.2                       | 11.0               |
| 1/28/2007  | 12.8       | 1.8                       | 11.0               |
| 1/29/2007  | 15.4       | 4.3                       | 11.1               |
| 1/30/2007  | 11.1       | 0.2                       | 10.9               |
| 1/31/2007  | 11.1       | 0.4                       | 10.7               |
| 2/1/2007   | 7.6        | 0.0                       | 7.6                |
| 2/2/2007   | 8.8        | 1.3                       | 7.5                |
| 2/3/2007   | 15.7       | 7.7                       | 8.0                |
| 2/4/2007   | 20.4       | 11.6                      | 8.8                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/18/1997 | 16         | 4.9                       | 11.1               |
| 6/19/1997 | 18         | 6.6                       | 11.4               |
| 6/20/1997 | 23         | 10.9                      | 12.1               |
| 6/21/1997 | 14         | 2.0                       | 12.0               |
| 6/22/1997 | 13         | 1.2                       | 11.8               |
| 6/23/1997 | 11         | 0.0                       | 11.0               |
| 6/24/1997 | 10         | 0.0                       | 10.0               |
| 6/25/1997 | 9.5        | 0.0                       | 9.5                |
| 6/26/1997 | 10         | 0.6                       | 9.4                |
| 6/27/1997 | 10         | 0.8                       | 9.2                |
| 6/28/1997 | 9          | 0.0                       | 9.0                |
| 6/29/1997 | 8.9        | 0.1                       | 8.8                |
| 6/30/1997 | 15         | 5.9                       | 9.1                |
| 7/1/1997  | 21         | 11.2                      | 9.8                |
| 7/2/1997  | 15         | 5.0                       | 10.0               |
| 7/3/1997  | 13         | 2.9                       | 10.1               |
| 7/4/1997  | 10         | 0.1                       | 9.9                |
| 7/5/1997  | 10         | 0.3                       | 9.7                |
| 7/6/1997  | 15         | 5.1                       | 9.9                |
| 7/7/1997  | 13         | 3.0                       | 10.0               |
| 7/8/1997  | 11         | 1.1                       | 9.9                |
| 7/9/1997  | 10         | 0.3                       | 9.7                |
| 7/10/1997 | 9.5        | 0.0                       | 9.5                |
| 7/11/1997 | 34         | 22.9                      | 11.1               |
| 7/12/1997 | 28         | 15.8                      | 12.2               |
| 7/13/1997 | 16         | 3.8                       | 12.2               |
| 7/14/1997 | 13         | 0.9                       | 12.1               |
| 7/15/1997 | 11         | 0.0                       | 11.0               |
| 7/16/1997 | 10         | 0.0                       | 10.0               |
| 7/17/1997 | 9.2        | 0.0                       | 9.2                |
| 7/18/1997 | 8.7        | 0.0                       | 8.7                |
| 7/19/1997 | 25         | 15.3                      | 9.7                |
| 7/20/1997 | 24         | 13.4                      | 10.6               |
| 7/21/1997 | 16         | 5.2                       | 10.8               |
| 7/22/1997 | 14         | 3.1                       | 10.9               |
| 7/23/1997 | 13         | 2.2                       | 10.8               |
| 7/24/1997 | 12         | 1.3                       | 10.7               |
| 7/25/1997 | 10         | 0.0                       | 10.0               |
| 7/26/1997 | 23         | 12.2                      | 10.8               |
| 7/27/1997 | 40         | 27.3                      | 12.7               |
| 7/28/1997 | 33         | 19.0                      | 14.0               |
| 7/29/1997 | 18         | 4.0                       | 14.0               |
| 7/30/1997 | 14         | 0.2                       | 13.8               |
| 7/31/1997 | 17         | 3.2                       | 13.8               |
| 8/1/1997  | 23         | 8.8                       | 14.2               |
| 8/2/1997  | 16         | 1.9                       | 14.1               |
| 8/3/1997  | 27         | 12.2                      | 14.8               |
| 8/4/1997  | 30         | 14.4                      | 15.6               |
| 8/5/1997  | 19         | 3.4                       | 15.6               |
| 8/6/1997  | 16         | 0.7                       | 15.3               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/18/1997 | 260        | 93.4                      | 166.6              |
| 6/19/1997 | 325        | 142.3                     | 182.7              |
| 6/20/1997 | 314        | 119.5                     | 194.5              |
| 6/21/1997 | 283        | 83.0                      | 200.0              |
| 6/22/1997 | 188        | 0.0                       | 188.0              |
| 6/23/1997 | 146        | 0.0                       | 146.0              |
| 6/24/1997 | 131        | 0.0                       | 131.0              |
| 6/25/1997 | 119        | 0.0                       | 119.0              |
| 6/26/1997 | 101        | 0.0                       | 101.0              |
| 6/27/1997 | 76         | 0.0                       | 76.0               |
| 6/28/1997 | 55         | 0.0                       | 55.0               |
| 6/29/1997 | 48         | 0.0                       | 48.0               |
| 6/30/1997 | 44         | 0.0                       | 44.0               |
| 7/1/1997  | 43         | 0.7                       | 42.3               |
| 7/2/1997  | 43         | 2.0                       | 41.0               |
| 7/3/1997  | 42         | 2.3                       | 39.7               |
| 7/4/1997  | 41         | 2.5                       | 38.5               |
| 7/5/1997  | 41         | 3.5                       | 37.5               |
| 7/6/1997  | 44         | 6.9                       | 37.1               |
| 7/7/1997  | 52         | 14.1                      | 37.9               |
| 7/8/1997  | 57         | 17.8                      | 39.2               |
| 7/9/1997  | 100        | 53.7                      | 46.3               |
| 7/10/1997 | 200        | 134.1                     | 65.9               |
| 7/11/1997 | 191        | 110.1                     | 80.9               |
| 7/12/1997 | 158        | 69.3                      | 88.7               |
| 7/13/1997 | 147        | 53.3                      | 93.7               |
| 7/14/1997 | 140        | 43.2                      | 96.8               |
| 7/15/1997 | 122        | 25.0                      | 97.0               |
| 7/16/1997 | 81         | 0.0                       | 81.0               |
| 7/17/1997 | 58         | 0.0                       | 58.0               |
| 7/18/1997 | 53         | 0.0                       | 53.0               |
| 7/19/1997 | 158        | 92.3                      | 65.7               |
| 7/20/1997 | 410        | 299.1                     | 110.9              |
| 7/21/1997 | 392        | 246.2                     | 145.8              |
| 7/22/1997 | 271        | 112.9                     | 158.1              |
| 7/23/1997 | 177        | 21.8                      | 155.2              |
| 7/24/1997 | 133        | 0.0                       | 133.0              |
| 7/25/1997 | 112        | 0.0                       | 112.0              |
| 7/26/1997 | 103        | 0.0                       | 103.0              |
| 7/27/1997 | 95         | 0.0                       | 95.0               |
| 7/28/1997 | 97         | 5.0                       | 92.0               |
| 7/29/1997 | 131        | 36.8                      | 94.2               |
| 7/30/1997 | 257        | 143.6                     | 113.4              |
| 7/31/1997 | 270        | 138.9                     | 131.1              |
| 8/1/1997  | 182        | 48.4                      | 133.6              |
| 8/2/1997  | 265        | 117.9                     | 147.1              |
| 8/3/1997  | 494        | 304.1                     | 189.9              |
| 8/4/1997  | 727        | 469.6                     | 257.4              |
| 8/5/1997  | 667        | 362.0                     | 305.0              |
| 8/6/1997  | 516        | 192.4                     | 323.6              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/18/1997 | 84         | 54.5                      | 29.5               |
| 6/19/1997 | 63         | 32.5                      | 30.5               |
| 6/20/1997 | 100        | 67.1                      | 32.9               |
| 6/21/1997 | 66         | 32.1                      | 33.9               |
| 6/22/1997 | 55         | 20.6                      | 34.4               |
| 6/23/1997 | 65         | 29.8                      | 35.2               |
| 6/24/1997 | 53         | 17.4                      | 35.6               |
| 6/25/1997 | 51         | 15.2                      | 35.8               |
| 6/26/1997 | 47         | 11.1                      | 35.9               |
| 6/27/1997 | 49         | 12.9                      | 36.1               |
| 6/28/1997 | 49         | 12.8                      | 36.2               |
| 6/29/1997 | 41         | 5.0                       | 36.0               |
| 6/30/1997 | 35         | 0.0                       | 35.0               |
| 7/1/1997  | 36         | 1.3                       | 34.7               |
| 7/2/1997  | 32         | 0.0                       | 32.0               |
| 7/3/1997  | 30         | 0.0                       | 30.0               |
| 7/4/1997  | 28         | 0.0                       | 28.0               |
| 7/5/1997  | 27         | 0.0                       | 27.0               |
| 7/6/1997  | 25         | 0.0                       | 25.0               |
| 7/7/1997  | 24         | 0.0                       | 24.0               |
| 7/8/1997  | 25         | 1.2                       | 23.8               |
| 7/9/1997  | 34         | 10.0                      | 24.0               |
| 7/10/1997 | 39         | 14.7                      | 24.3               |
| 7/11/1997 | 33         | 8.6                       | 24.4               |
| 7/12/1997 | 30         | 5.6                       | 24.4               |
| 7/13/1997 | 26         | 1.8                       | 24.2               |
| 7/14/1997 | 25         | 1.0                       | 24.0               |
| 7/15/1997 | 27         | 3.1                       | 23.9               |
| 7/16/1997 | 25         | 1.3                       | 23.7               |
| 7/17/1997 | 23         | 0.0                       | 23.0               |
| 7/18/1997 | 21         | 0.0                       | 21.0               |
| 7/19/1997 | 21         | 0.2                       | 20.8               |
| 7/20/1997 | 38         | 16.7                      | 21.3               |
| 7/21/1997 | 45         | 23.0                      | 22.0               |
| 7/22/1997 | 39         | 16.6                      | 22.4               |
| 7/23/1997 | 33         | 10.4                      | 22.6               |
| 7/24/1997 | 42         | 18.9                      | 23.1               |
| 7/25/1997 | 49         | 25.1                      | 23.9               |
| 7/26/1997 | 40         | 15.7                      | 24.3               |
| 7/27/1997 | 39         | 14.4                      | 24.6               |
| 7/28/1997 | 49         | 23.7                      | 25.3               |
| 7/29/1997 | 45         | 19.2                      | 25.8               |
| 7/30/1997 | 36         | 10.0                      | 26.0               |
| 7/31/1997 | 29         | 3.2                       | 25.8               |
| 8/1/1997  | 33         | 7.1                       | 25.9               |
| 8/2/1997  | 37         | 10.9                      | 26.1               |
| 8/3/1997  | 51         | 24.2                      | 26.8               |
| 8/4/1997  | 58         | 30.3                      | 27.7               |
| 8/5/1997  | 45         | 16.9                      | 28.1               |
| 8/6/1997  | 45         | 16.5                      | 28.5               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/18/1997 | 130        | 57.5                      | 72.5               |
| 6/19/1997 | 146        | 69.4                      | 76.6               |
| 6/20/1997 | 147        | 66.6                      | 80.4               |
| 6/21/1997 | 161        | 76.1                      | 84.9               |
| 6/22/1997 | 152        | 63.7                      | 88.3               |
| 6/23/1997 | 199        | 104.2                     | 94.8               |
| 6/24/1997 | 244        | 139.9                     | 104.1              |
| 6/25/1997 | 220        | 109.2                     | 110.8              |
| 6/26/1997 | 156        | 43.9                      | 112.1              |
| 6/27/1997 | 107        | 0.0                       | 107.0              |
| 6/28/1997 | 86         | 0.0                       | 86.0               |
| 6/29/1997 | 68         | 0.0                       | 68.0               |
| 6/30/1997 | 56         | 0.0                       | 56.0               |
| 7/1/1997  | 53         | 0.0                       | 53.0               |
| 7/2/1997  | 52         | 0.1                       | 51.9               |
| 7/3/1997  | 59         | 7.5                       | 51.5               |
| 7/4/1997  | 54         | 3.3                       | 50.7               |
| 7/5/1997  | 46         | 0.0                       | 46.0               |
| 7/6/1997  | 49         | 3.6                       | 45.4               |
| 7/7/1997  | 49         | 4.2                       | 44.8               |
| 7/8/1997  | 47         | 2.9                       | 44.1               |
| 7/9/1997  | 48         | 4.4                       | 43.6               |
| 7/10/1997 | 176        | 123.4                     | 46.0               |
| 7/11/1997 | 183        | 121.7                     | 61.3               |
| 7/12/1997 | 126        | 61.1                      | 64.9               |
| 7/13/1997 | 109        | 42.0                      | 67.0               |
| 7/14/1997 | 117        | 47.5                      | 69.5               |
| 7/15/1997 | 122        | 49.9                      | 72.1               |
| 7/16/1997 | 140        | 64.2                      | 75.8               |
| 7/17/1997 | 122        | 44.2                      | 77.8               |
| 7/18/1997 | 106        | 27.6                      | 78.4               |
| 7/19/1997 | 186        | 101.0                     | 85.0               |
| 7/20/1997 | 520        | 404.4                     | 115.6              |
| 7/21/1997 | 370        | 237.7                     | 132.3              |
| 7/22/1997 | 320        | 176.2                     | 143.8              |
| 7/23/1997 | 196        | 51.0                      | 145.0              |
| 7/24/1997 | 201        | 54.6                      | 146.4              |
| 7/25/1997 | 153        | 8.8                       | 144.2              |
| 7/26/1997 | 108        | 0.0                       | 108.0              |
| 7/27/1997 | 68         | 0.0                       | 68.0               |
| 7/28/1997 | 55         | 0.0                       | 55.0               |
| 7/29/1997 | 50         | 0.0                       | 50.0               |
| 7/30/1997 | 49         | 0.0                       | 49.0               |
| 7/31/1997 | 47         | 0.0                       | 47.0               |
| 8/1/1997  | 94         | 44.4                      | 49.6               |
| 8/2/1997  | 393        | 318.9                     | 74.1               |
| 8/3/1997  | 496        | 392.0                     | 104.0              |
| 8/4/1997  | 357        | 236.2                     | 120.8              |
| 8/5/1997  | 312        | 179.3                     | 132.7              |
| 8/6/1997  | 189        | 54.5                      | 134.5              |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/15/2007 | 14.7       | 5.6                       | 9.1                |
| 2/16/2007 | 10.9       | 1.9                       | 9.0                |
| 2/17/2007 | 6.2        | 0.0                       | 6.2                |
| 2/18/2007 | 5.2        | 0.0                       | 5.2                |
| 2/19/2007 | 4.9        | 0.0                       | 4.9                |
| 2/10/2007 | 5.5        | 0.6                       | 4.9                |
| 2/11/2007 | 7.1        | 2.2                       | 4.9                |
| 2/12/2007 | 5.9        | 1.0                       | 4.9                |
| 2/13/2007 | 7.9        | 2.9                       | 5.0                |
| 2/14/2007 | 7.4        | 2.3                       | 5.1                |
| 2/15/2007 | 7.6        | 2.4                       | 5.2                |
| 2/16/2007 | 7.7        | 2.4                       | 5.3                |
| 2/17/2007 | 7.3        | 2.0                       | 5.3                |
| 2/18/2007 | 6.9        | 1.5                       | 5.4                |
| 2/19/2007 | 7.3        | 1.9                       | 5.4                |
| 2/20/2007 | 5.9        | 0.6                       | 5.3                |
| 2/21/2007 | 5.4        | 0.1                       | 5.3                |
| 2/22/2007 | 6.5        | 1.3                       | 5.2                |
| 2/23/2007 | 7.6        | 2.3                       | 5.3                |
| 2/24/2007 | 6.6        | 1.3                       | 5.3                |
| 2/25/2007 | 5.6        | 0.4                       | 5.2                |
| 2/26/2007 | 6.9        | 1.6                       | 5.3                |
| 2/27/2007 | 8.2        | 2.8                       | 5.4                |
| 2/28/2007 | 9.7        | 4.1                       | 5.6                |
| 3/1/2007  | 6.9        | 1.3                       | 5.6                |
| 3/2/2007  | 6.3        | 0.8                       | 5.5                |
| 3/3/2007  | 13.5       | 7.5                       | 6.0                |
| 3/4/2007  | 11.1       | 4.8                       | 6.3                |
| 3/5/2007  | 11.1       | 4.6                       | 6.5                |
| 3/6/2007  | 8.2        | 1.7                       | 6.5                |
| 3/7/2007  | 6.9        | 0.5                       | 6.4                |
| 3/8/2007  | 7.3        | 0.9                       | 6.4                |
| 3/9/2007  | 8.1        | 1.7                       | 6.4                |
| 3/10/2007 | 9.7        | 3.2                       | 6.5                |
| 3/11/2007 | 10.9       | 4.2                       | 6.7                |
| 3/12/2007 | 9          | 2.2                       | 6.8                |
| 3/13/2007 | 7.1        | 0.4                       | 6.7                |
| 3/14/2007 | 5.9        | 0.0                       | 5.9                |
| 3/15/2007 | 5.5        | 0.0                       | 5.5                |
| 3/16/2007 | 5.9        | 0.5                       | 5.4                |
| 3/17/2007 | 11.5       | 5.7                       | 5.8                |
| 3/18/2007 | 13.7       | 7.4                       | 6.3                |
| 3/19/2007 | 12.6       | 6.0                       | 6.6                |
| 3/20/2007 | 10.5       | 3.7                       | 6.8                |
| 3/21/2007 | 11.3       | 4.3                       | 7.0                |
| 3/22/2007 | 11.5       | 4.3                       | 7.2                |
| 3/23/2007 | 10.7       | 3.4                       | 7.3                |
| 3/24/2007 | 10.3       | 2.9                       | 7.4                |
| 3/25/2007 | 9.5        | 2.1                       | 7.4                |
| 3/26/2007 | 7.7        | 0.4                       | 7.3                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/7/1997  | 60         | 41.7                      | 18.3               |
| 8/8/1997  | 49         | 28.7                      | 20.3               |
| 8/9/1997  | 28         | 7.5                       | 20.5               |
| 8/10/1997 | 20         | 0.0                       | 20.0               |
| 8/11/1997 | 17         | 0.0                       | 17.0               |
| 8/12/1997 | 15         | 0.0                       | 15.0               |
| 8/13/1997 | 14         | 0.0                       | 14.0               |
| 8/14/1997 | 12         | 0.0                       | 12.0               |
| 8/15/1997 | 11         | 0.0                       | 11.0               |
| 8/16/1997 | 11         | 0.2                       | 10.8               |
| 8/17/1997 | 12         | 1.3                       | 10.7               |
| 8/18/1997 | 11         | 0.5                       | 10.5               |
| 8/19/1997 | 49         | 35.8                      | 13.2               |
| 8/20/1997 | 38         | 23.2                      | 14.8               |
| 8/21/1997 | 32         | 16.2                      | 15.8               |
| 8/22/1997 | 23         | 7.0                       | 16.0               |
| 8/23/1997 | 19         | 3.1                       | 15.9               |
| 8/24/1997 | 21         | 5.0                       | 16.0               |
| 8/25/1997 | 19         | 3.1                       | 15.9               |
| 8/26/1997 | 15         | 0.0                       | 15.0               |
| 8/27/1997 | 14         | 0.0                       | 14.0               |
| 8/28/1997 | 15         | 1.2                       | 13.8               |
| 8/29/1997 | 12         | 0.0                       | 12.0               |
| 8/30/1997 | 11         | 0.0                       | 11.0               |
| 8/31/1997 | 11         | 0.2                       | 10.8               |
| 9/1/1997  | 21         | 9.6                       | 11.4               |
| 9/2/1997  | 28         | 15.6                      | 12.4               |
| 9/3/1997  | 27         | 13.8                      | 13.2               |
| 9/4/1997  | 26         | 12.1                      | 13.9               |
| 9/5/1997  | 86         | 67.0                      | 19.0               |
| 9/6/1997  | 31         | 11.5                      | 19.5               |
| 9/7/1997  | 21         | 1.7                       | 19.3               |
| 9/8/1997  | 18         | 0.0                       | 18.0               |
| 9/9/1997  | 19         | 1.3                       | 17.7               |
| 9/10/1997 | 18         | 0.6                       | 17.4               |
| 9/11/1997 | 16         | 0.0                       | 16.0               |
| 9/12/1997 | 15         | 0.0                       | 15.0               |
| 9/13/1997 | 14         | 0.0                       | 14.0               |
| 9/14/1997 | 13         | 0.0                       | 13.0               |
| 9/15/1997 | 12         | 0.0                       | 12.0               |
| 9/16/1997 | 12         | 0.2                       | 11.8               |
| 9/17/1997 | 12         | 0.4                       | 11.6               |
| 9/18/1997 | 15         | 3.4                       | 11.6               |
| 9/19/1997 | 13         | 1.5                       | 11.5               |
| 9/20/1997 | 12         | 0.7                       | 11.3               |
| 9/21/1997 | 11         | 0.0                       | 11.0               |
| 9/22/1997 | 12         | 1.1                       | 10.9               |
| 9/23/1997 | 11         | 0.3                       | 10.7               |
| 9/24/1997 | 11         | 0.5                       | 10.5               |
| 9/25/1997 | 11         | 0.7                       | 10.3               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/7/1997  | 595        | 245.1                     | 349.9              |
| 8/8/1997  | 746        | 353.5                     | 392.5              |
| 8/9/1997  | 614        | 204.5                     | 409.5              |
| 8/10/1997 | 433        | 34.4                      | 398.6              |
| 8/11/1997 | 316        | 0.0                       | 316.0              |
| 8/12/1997 | 208        | 0.0                       | 208.0              |
| 8/13/1997 | 166        | 0.0                       | 166.0              |
| 8/14/1997 | 149        | 0.0                       | 149.0              |
| 8/15/1997 | 148        | 4.3                       | 143.7              |
| 8/16/1997 | 148        | 8.6                       | 139.4              |
| 8/17/1997 | 187        | 45.9                      | 141.1              |
| 8/18/1997 | 221        | 73.7                      | 147.3              |
| 8/19/1997 | 299        | 135.9                     | 163.1              |
| 8/20/1997 | 551        | 340.0                     | 211.0              |
| 8/21/1997 | 541        | 291.8                     | 249.2              |
| 8/22/1997 | 329        | 77.4                      | 251.6              |
| 8/23/1997 | 195        | 0.0                       | 195.0              |
| 8/24/1997 | 155        | 0.0                       | 155.0              |
| 8/25/1997 | 161        | 10.5                      | 150.5              |
| 8/26/1997 | 217        | 62.5                      | 154.5              |
| 8/27/1997 | 215        | 57.5                      | 157.5              |
| 8/28/1997 | 165        | 11.9                      | 153.1              |
| 8/29/1997 | 123        | 0.0                       | 123.0              |
| 8/30/1997 | 91         | 0.0                       | 91.0               |
| 8/31/1997 | 78         | 0.0                       | 78.0               |
| 9/1/1997  | 80         | 4.4                       | 75.6               |
| 9/2/1997  | 88         | 13.3                      | 74.7               |
| 9/3/1997  | 96         | 20.9                      | 75.1               |
| 9/4/1997  | 114        | 36.2                      | 77.8               |
| 9/5/1997  | 145        | 60.6                      | 84.4               |
| 9/6/1997  | 125        | 37.9                      | 87.1               |
| 9/7/1997  | 98         | 12.4                      | 85.6               |
| 9/8/1997  | 76         | 0.0                       | 76.0               |
| 9/9/1997  | 63         | 0.0                       | 63.0               |
| 9/10/1997 | 61         | 0.4                       | 60.6               |
| 9/11/1997 | 115        | 49.0                      | 66.0               |
| 9/12/1997 | 192        | 110.9                     | 81.1               |
| 9/13/1997 | 158        | 69.1                      | 88.9               |
| 9/14/1997 | 116        | 26.4                      | 89.6               |
| 9/15/1997 | 84         | 0.0                       | 84.0               |
| 9/16/1997 | 64         | 0.0                       | 64.0               |
| 9/17/1997 | 57         | 0.0                       | 57.0               |
| 9/18/1997 | 51         | 0.0                       | 51.0               |
| 9/19/1997 | 43         | 0.0                       | 43.0               |
| 9/20/1997 | 38         | 0.0                       | 38.0               |
| 9/21/1997 | 37         | 0.4                       | 36.6               |
| 9/22/1997 | 34         | 0.0                       | 34.0               |
| 9/23/1997 | 34         | 1.2                       | 32.8               |
| 9/24/1997 | 36         | 3.9                       | 32.1               |
| 9/25/1997 | 40         | 7.9                       | 32.1               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/7/1997  | 60         | 30.6                      | 29.4               |
| 8/8/1997  | 135        | 101.8                     | 33.2               |
| 8/9/1997  | 135        | 98.2                      | 36.8               |
| 8/10/1997 | 91         | 52.5                      | 38.5               |
| 8/11/1997 | 62         | 22.9                      | 39.1               |
| 8/12/1997 | 49         | 9.9                       | 39.1               |
| 8/13/1997 | 43         | 4.2                       | 38.8               |
| 8/14/1997 | 41         | 2.4                       | 38.6               |
| 8/15/1997 | 46         | 7.5                       | 38.5               |
| 8/16/1997 | 61         | 22.0                      | 39.0               |
| 8/17/1997 | 50         | 11.0                      | 39.0               |
| 8/18/1997 | 47         | 8.1                       | 38.9               |
| 8/19/1997 | 89         | 48.5                      | 40.5               |
| 8/20/1997 | 127        | 83.6                      | 43.4               |
| 8/21/1997 | 155        | 107.7                     | 47.3               |
| 8/22/1997 | 114        | 64.6                      | 49.4               |
| 8/23/1997 | 71         | 21.2                      | 49.8               |
| 8/24/1997 | 74         | 23.8                      | 50.2               |
| 8/25/1997 | 62         | 11.8                      | 50.2               |
| 8/26/1997 | 56         | 6.1                       | 49.9               |
| 8/27/1997 | 59         | 9.2                       | 49.8               |
| 8/28/1997 | 50         | 0.7                       | 49.3               |
| 8/29/1997 | 45         | 0.0                       | 45.0               |
| 8/30/1997 | 37         | 0.0                       | 37.0               |
| 8/31/1997 | 35         | 0.0                       | 35.0               |
| 9/1/1997  | 59         | 23.4                      | 35.6               |
| 9/2/1997  | 97         | 59.4                      | 37.6               |
| 9/3/1997  | 157        | 115.2                     | 41.8               |
| 9/4/1997  | 192        | 144.8                     | 47.2               |
| 9/5/1997  | 488        | 424.3                     | 63.7               |
| 9/6/1997  | 365        | 290.3                     | 74.7               |
| 9/7/1997  | 248        | 167.4                     | 80.6               |
| 9/8/1997  | 192        | 107.9                     | 84.1               |
| 9/9/1997  | 156        | 69.9                      | 86.1               |
| 9/10/1997 | 131        | 44.0                      | 87.0               |
| 9/11/1997 | 101        | 14.3                      | 86.7               |
| 9/12/1997 | 86         | 0.2                       | 85.8               |
| 9/13/1997 | 70         | 0.0                       | 70.0               |
| 9/14/1997 | 62         | 0.0                       | 62.0               |
| 9/15/1997 | 53         | 0.0                       | 53.0               |
| 9/16/1997 | 50         | 0.0                       | 50.0               |
| 9/17/1997 | 44         | 0.0                       | 44.0               |
| 9/18/1997 | 42         | 0.0                       | 42.0               |
| 9/19/1997 | 40         | 0.0                       | 40.0               |
| 9/20/1997 | 39         | 0.0                       | 39.0               |
| 9/21/1997 | 35         | 0.0                       | 35.0               |
| 9/22/1997 | 33         | 0.0                       | 33.0               |
| 9/23/1997 | 36         | 3.2                       | 32.8               |
| 9/24/1997 | 30         | 0.0                       | 30.0               |
| 9/25/1997 | 29         | 0.0                       | 29.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/7/1997  | 237        | 97.4                      | 139.6              |
| 8/8/1997  | 552        | 384.5                     | 167.5              |
| 8/9/1997  | 300        | 125.8                     | 174.2              |
| 8/10/1997 | 208        | 34.5                      | 173.5              |
| 8/11/1997 | 193        | 21.3                      | 171.7              |
| 8/12/1997 | 93         | 0.0                       | 93.0               |
| 8/13/1997 | 82         | 0.0                       | 82.0               |
| 8/14/1997 | 65         | 0.0                       | 65.0               |
| 8/15/1997 | 65         | 1.2                       | 63.8               |
| 8/16/1997 | 82         | 18.0                      | 64.0               |
| 8/17/1997 | 82         | 17.9                      | 64.1               |
| 8/18/1997 | 124        | 56.6                      | 67.4               |
| 8/19/1997 | 98         | 29.6                      | 68.4               |
| 8/20/1997 | 64         | 0.0                       | 64.0               |
| 8/21/1997 | 87         | 22.5                      | 64.5               |
| 8/22/1997 | 126        | 58.1                      | 67.9               |
| 8/23/1997 | 106        | 36.6                      | 69.4               |
| 8/24/1997 | 108        | 37.0                      | 71.0               |
| 8/25/1997 | 82         | 11.5                      | 70.5               |
| 8/26/1997 | 66         | 0.0                       | 66.0               |
| 8/27/1997 | 58         | 0.0                       | 58.0               |
| 8/28/1997 | 53         | 0.0                       | 53.0               |
| 8/29/1997 | 50         | 0.0                       | 50.0               |
| 8/30/1997 | 45         | 0.0                       | 45.0               |
| 8/31/1997 | 43         | 0.0                       | 43.0               |
| 9/1/1997  | 45         | 2.6                       | 42.4               |
| 9/2/1997  | 49         | 6.9                       | 42.1               |
| 9/3/1997  | 156        | 106.3                     | 49.7               |
| 9/4/1997  | 176        | 117.8                     | 58.2               |
| 9/5/1997  | 191        | 124.1                     | 66.9               |
| 9/6/1997  | 201        | 125.4                     | 75.6               |
| 9/7/1997  | 109        | 32.3                      | 76.7               |
| 9/8/1997  | 74         | 0.0                       | 74.0               |
| 9/9/1997  | 60         | 0.0                       | 60.0               |
| 9/10/1997 | 50         | 0.0                       | 50.0               |
| 9/11/1997 | 59         | 9.3                       | 49.7               |
| 9/12/1997 | 43         | 0.0                       | 43.0               |
| 9/13/1997 | 40         | 0.0                       | 40.0               |
| 9/14/1997 | 37         | 0.0                       | 37.0               |
| 9/15/1997 | 36         | 0.0                       | 36.0               |
| 9/16/1997 | 33         | 0.0                       | 33.0               |
| 9/17/1997 | 32         | 0.0                       | 32.0               |
| 9/18/1997 | 31         | 0.0                       | 31.0               |
| 9/19/1997 | 32         | 1.5                       | 30.5               |
| 9/20/1997 | 34         | 3.8                       | 30.2               |
| 9/21/1997 | 30         | 0.4                       | 29.6               |
| 9/22/1997 | 29         | 0.0                       | 29.0               |
| 9/23/1997 | 30         | 1.5                       | 28.5               |
| 9/24/1997 | 29         | 1.0                       | 28.0               |
| 9/25/1997 | 32         | 4.2                       | 27.8               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/27/2007 | 7.1        | 0.0                       | 7.1                |
| 3/28/2007 | 6.3        | 0.0                       | 6.3                |
| 3/29/2007 | 6.1        | 0.0                       | 6.1                |
| 3/30/2007 | 7.1        | 1.0                       | 6.1                |
| 3/31/2007 | 7.4        | 1.4                       | 6.0                |
| 4/1/2007  | 7.1        | 1.1                       | 6.0                |
| 4/2/2007  | 8.1        | 2.0                       | 6.1                |
| 4/3/2007  | 8.8        | 2.7                       | 6.1                |
| 4/4/2007  | 9.7        | 3.4                       | 6.3                |
| 4/5/2007  | 12.1       | 5.5                       | 6.6                |
| 4/6/2007  | 13.7       | 6.7                       | 7.0                |
| 4/7/2007  | 15.2       | 7.7                       | 7.5                |
| 4/8/2007  | 14         | 6.2                       | 7.8                |
| 4/9/2007  | 13.7       | 5.6                       | 8.1                |
| 4/10/2007 | 13.7       | 5.3                       | 8.4                |
| 4/11/2007 | 12.6       | 4.1                       | 8.5                |
| 4/12/2007 | 13.5       | 4.7                       | 8.8                |
| 4/13/2007 | 14.7       | 5.7                       | 9.0                |
| 4/14/2007 | 9          | 0.1                       | 8.9                |
| 4/15/2007 | 6.2        | 0.0                       | 6.2                |
| 4/16/2007 | 13         | 6.4                       | 6.6                |
| 4/17/2007 | 10.9       | 4.1                       | 6.8                |
| 4/18/2007 | 10.3       | 3.4                       | 6.9                |
| 4/19/2007 | 14.2       | 6.9                       | 7.3                |
| 4/20/2007 | 15.7       | 7.9                       | 7.8                |
| 4/21/2007 | 18.9       | 10.4                      | 8.5                |
| 4/22/2007 | 18.4       | 9.3                       | 9.1                |
| 4/23/2007 | 17.5       | 8.0                       | 9.5                |
| 4/24/2007 | 15.2       | 5.4                       | 9.8                |
| 4/25/2007 | 12.8       | 3.0                       | 9.8                |
| 4/26/2007 | 10.9       | 1.2                       | 9.7                |
| 4/27/2007 | 9.5        | 0.0                       | 9.5                |
| 4/28/2007 | 13.3       | 3.7                       | 9.6                |
| 4/29/2007 | 14.2       | 4.4                       | 9.8                |
| 4/30/2007 | 11.9       | 2.2                       | 9.7                |
| 5/1/2007  | 11.1       | 1.4                       | 9.7                |
| 5/2/2007  | 11.1       | 1.5                       | 9.6                |
| 5/3/2007  | 9.9        | 0.5                       | 9.4                |
| 5/4/2007  | 10.1       | 0.8                       | 9.3                |
| 5/5/2007  | 10.1       | 0.9                       | 9.2                |
| 5/6/2007  | 12.8       | 3.5                       | 9.3                |
| 5/7/2007  | 28.2       | 18.6                      | 10.6               |
| 5/8/2007  | 24.6       | 13.2                      | 11.4               |
| 5/9/2007  | 23.6       | 11.5                      | 12.1               |
| 5/10/2007 | 29.2       | 16.0                      | 13.2               |
| 5/11/2007 | 42.3       | 27.2                      | 15.1               |
| 5/12/2007 | 37.8       | 21.3                      | 16.5               |
| 5/13/2007 | 35.2       | 17.6                      | 17.6               |
| 5/14/2007 | 39.1       | 20.3                      | 18.8               |
| 5/15/2007 | 40.5       | 20.4                      | 20.1               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/26/1997  | 12         | 1.7                       | 10.3               |
| 9/27/1997  | 25         | 13.8                      | 11.2               |
| 9/28/1997  | 40         | 26.9                      | 13.1               |
| 9/29/1997  | 21         | 7.6                       | 13.4               |
| 9/30/1997  | 17         | 3.5                       | 13.5               |
| 10/1/1997  | 15         | 1.7                       | 13.3               |
| 10/2/1997  | 14         | 0.9                       | 13.1               |
| 10/3/1997  | 13         | 0.1                       | 12.9               |
| 10/4/1997  | 14         | 1.3                       | 12.7               |
| 10/5/1997  | 14         | 1.4                       | 12.6               |
| 10/6/1997  | 12         | 0.0                       | 12.0               |
| 10/7/1997  | 12         | 0.2                       | 11.8               |
| 10/8/1997  | 12         | 0.4                       | 11.6               |
| 10/9/1997  | 11         | 0.0                       | 11.0               |
| 10/10/1997 | 10         | 0.0                       | 10.0               |
| 10/11/1997 | 8.3        | 0.0                       | 8.3                |
| 10/12/1997 | 7.6        | 0.0                       | 7.6                |
| 10/13/1997 | 8.7        | 1.2                       | 7.5                |
| 10/14/1997 | 7.4        | 0.0                       | 7.4                |
| 10/15/1997 | 7.5        | 0.2                       | 7.3                |
| 10/16/1997 | 7.3        | 0.2                       | 7.1                |
| 10/17/1997 | 7.4        | 0.4                       | 7.0                |
| 10/18/1997 | 7.2        | 0.3                       | 6.9                |
| 10/19/1997 | 7          | 0.2                       | 6.8                |
| 10/20/1997 | 7.1        | 0.4                       | 6.7                |
| 10/21/1997 | 6.9        | 0.3                       | 6.6                |
| 10/22/1997 | 6.8        | 0.3                       | 6.5                |
| 10/23/1997 | 6.6        | 0.2                       | 6.4                |
| 10/24/1997 | 6.5        | 0.3                       | 6.3                |
| 10/25/1997 | 6.4        | 0.3                       | 6.1                |
| 10/26/1997 | 6.4        | 0.3                       | 6.1                |
| 10/27/1997 | 7.3        | 1.3                       | 6.0                |
| 10/28/1997 | 6.6        | 0.6                       | 6.0                |
| 10/29/1997 | 6.6        | 0.7                       | 5.9                |
| 10/30/1997 | 6.4        | 0.6                       | 5.8                |
| 10/31/1997 | 6.7        | 0.9                       | 5.8                |
| 11/1/1997  | 6.4        | 0.7                       | 5.7                |
| 11/2/1997  | 10         | 4.1                       | 5.9                |
| 11/3/1997  | 7.5        | 1.6                       | 5.9                |
| 11/4/1997  | 6.8        | 0.9                       | 5.9                |
| 11/5/1997  | 6.4        | 0.6                       | 5.8                |
| 11/6/1997  | 6.1        | 0.4                       | 5.7                |
| 11/7/1997  | 6          | 0.4                       | 5.6                |
| 11/8/1997  | 5.8        | 0.2                       | 5.6                |
| 11/9/1997  | 5.7        | 0.2                       | 5.5                |
| 11/10/1997 | 5.6        | 0.2                       | 5.4                |
| 11/11/1997 | 5.5        | 0.2                       | 5.3                |
| 11/12/1997 | 5.6        | 0.4                       | 5.2                |
| 11/13/1997 | 5.2        | 43.4                      | 8.6                |
| 11/14/1997 | 115        | 98.7                      | 16.3               |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/26/1997  | 64         | 28.6                      | 35.4               |
| 9/27/1997  | 152        | 101.7                     | 50.3               |
| 9/28/1997  | 242        | 167.0                     | 75.0               |
| 9/29/1997  | 208        | 117.3                     | 90.7               |
| 9/30/1997  | 129        | 36.1                      | 92.9               |
| 10/1/1997  | 77         | 0.0                       | 77.0               |
| 10/2/1997  | 61         | 0.0                       | 61.0               |
| 10/3/1997  | 54         | 0.0                       | 54.0               |
| 10/4/1997  | 48         | 0.0                       | 48.0               |
| 10/5/1997  | 45         | 0.0                       | 45.0               |
| 10/6/1997  | 44         | 0.7                       | 43.3               |
| 10/7/1997  | 44         | 2.1                       | 41.9               |
| 10/8/1997  | 47         | 5.8                       | 41.2               |
| 10/9/1997  | 46         | 5.6                       | 40.4               |
| 10/10/1997 | 43         | 3.6                       | 39.4               |
| 10/11/1997 | 44         | 5.3                       | 38.7               |
| 10/12/1997 | 44         | 5.9                       | 38.1               |
| 10/13/1997 | 40         | 3.0                       | 37.0               |
| 10/14/1997 | 34         | 0.0                       | 34.0               |
| 10/15/1997 | 28         | 0.0                       | 28.0               |
| 10/16/1997 | 24         | 0.0                       | 24.0               |
| 10/17/1997 | 22         | 0.0                       | 22.0               |
| 10/18/1997 | 21         | 0.0                       | 21.0               |
| 10/19/1997 | 22         | 1.6                       | 20.4               |
| 10/20/1997 | 22         | 2.1                       | 19.9               |
| 10/21/1997 | 21         | 1.6                       | 19.4               |
| 10/22/1997 | 18         | 0.0                       | 18.0               |
| 10/23/1997 | 16         | 0.0                       | 16.0               |
| 10/24/1997 | 22         | 5.7                       | 16.3               |
| 10/25/1997 | 24         | 7.2                       | 16.8               |
| 10/26/1997 | 25         | 7.7                       | 17.3               |
| 10/27/1997 | 25         | 7.2                       | 17.8               |
| 10/28/1997 | 23         | 5.1                       | 17.9               |
| 10/29/1997 | 24         | 5.9                       | 18.1               |
| 10/30/1997 | 24         | 5.7                       | 18.3               |
| 10/31/1997 | 25         | 6.4                       | 18.6               |
| 11/1/1997  | 30         | 10.5                      | 19.5               |
| 11/2/1997  | 42         | 20.0                      | 22.0               |
| 11/3/1997  | 43         | 18.9                      | 24.1               |
| 11/4/1997  | 38         | 12.8                      | 25.2               |
| 11/5/1997  | 35         | 9.3                       | 25.7               |
| 11/6/1997  | 33         | 7.2                       | 25.8               |
| 11/7/1997  | 31         | 5.4                       | 25.6               |
| 11/8/1997  | 29         | 3.8                       | 25.3               |
| 11/9/1997  | 32         | 6.7                       | 25.2               |
| 11/10/1997 | 31         | 5.8                       | 25.2               |
| 11/11/1997 | 28         | 3.3                       | 24.7               |
| 11/12/1997 | 29         | 4.5                       | 24.5               |
| 11/13/1997 | 112        | 76.3                      | 35.7               |
| 11/14/1997 | 413        | 326.5                     | 86.5               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/26/1997  | 32         | 3.2                       | 28.8               |
| 9/27/1997  | 52         | 22.5                      | 29.5               |
| 9/28/1997  | 70         | 39.3                      | 30.7               |
| 9/29/1997  | 61         | 29.4                      | 31.6               |
| 9/30/1997  | 50         | 18.0                      | 32.0               |
| 10/1/1997  | 44         | 11.8                      | 32.2               |
| 10/2/1997  | 36         | 4.0                       | 32.0               |
| 10/3/1997  | 34         | 2.2                       | 31.8               |
| 10/4/1997  | 30         | 0.0                       | 30.0               |
| 10/5/1997  | 33         | 3.2                       | 29.8               |
| 10/6/1997  | 31         | 1.4                       | 29.6               |
| 10/7/1997  | 30         | 0.7                       | 29.3               |
| 10/8/1997  | 57         | 26.9                      | 30.1               |
| 10/9/1997  | 62         | 31.0                      | 31.0               |
| 10/10/1997 | 56         | 24.3                      | 31.7               |
| 10/11/1997 | 48         | 16.0                      | 32.0               |
| 10/12/1997 | 46         | 13.7                      | 32.3               |
| 10/13/1997 | 41         | 8.7                       | 32.3               |
| 10/14/1997 | 34         | 2.0                       | 32.0               |
| 10/15/1997 | 32         | 0.3                       | 31.7               |
| 10/16/1997 | 34         | 2.5                       | 31.5               |
| 10/17/1997 | 29         | 0.0                       | 29.0               |
| 10/18/1997 | 28         | 0.0                       | 28.0               |
| 10/19/1997 | 28         | 0.3                       | 27.7               |
| 10/20/1997 | 25         | 0.0                       | 25.0               |
| 10/21/1997 | 24         | 0.0                       | 24.0               |
| 10/22/1997 | 23         | 0.0                       | 23.0               |
| 10/23/1997 | 25         | 2.1                       | 22.9               |
| 10/24/1997 | 23         | 0.4                       | 22.6               |
| 10/25/1997 | 21         | 0.0                       | 21.0               |
| 10/26/1997 | 21         | 0.2                       | 20.8               |
| 10/27/1997 | 23         | 2.3                       | 20.7               |
| 10/28/1997 | 22         | 1.5                       | 20.5               |
| 10/29/1997 | 20         | 0.0                       | 20.0               |
| 10/30/1997 | 20         | 0.2                       | 19.8               |
| 10/31/1997 | 21         | 1.3                       | 19.7               |
| 11/1/1997  | 22         | 2.4                       | 19.6               |
| 11/2/1997  | 181        | 155.4                     | 25.6               |
| 11/3/1997  | 222        | 189.1                     | 32.9               |
| 11/4/1997  | 153        | 115.8                     | 37.2               |
| 11/5/1997  | 110        | 70.4                      | 39.6               |
| 11/6/1997  | 83         | 42.1                      | 40.9               |
| 11/7/1997  | 68         | 26.4                      | 41.6               |
| 11/8/1997  | 57         | 15.2                      | 41.8               |
| 11/9/1997  | 50         | 8.3                       | 41.7               |
| 11/10/1997 | 45         | 3.6                       | 41.4               |
| 11/11/1997 | 40         | 0.0                       | 40.0               |
| 11/12/1997 | 39         | 0.0                       | 39.0               |
| 11/13/1997 | 55         | 15.8                      | 39.2               |
| 11/14/1997 | 1620       | 1520.3                    | 99.7               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/26/1997  | 32         | 4.4                       | 27.6               |
| 9/27/1997  | 51         | 22.2                      | 28.8               |
| 9/28/1997  | 123        | 87.7                      | 35.3               |
| 9/29/1997  | 100        | 60.6                      | 39.4               |
| 9/30/1997  | 55         | 15.2                      | 39.8               |
| 10/1/1997  | 44         | 4.6                       | 39.4               |
| 10/2/1997  | 37         | 0.0                       | 37.0               |
| 10/3/1997  | 36         | 0.0                       | 36.0               |
| 10/4/1997  | 34         | 0.0                       | 34.0               |
| 10/5/1997  | 34         | 0.6                       | 33.4               |
| 10/6/1997  | 32         | 0.0                       | 32.0               |
| 10/7/1997  | 31         | 0.0                       | 31.0               |
| 10/8/1997  | 42         | 10.8                      | 31.2               |
| 10/9/1997  | 47         | 15.2                      | 31.8               |
| 10/10/1997 | 40         | 8.2                       | 31.8               |
| 10/11/1997 | 35         | 3.5                       | 31.5               |
| 10/12/1997 | 34         | 2.9                       | 31.1               |
| 10/13/1997 | 34         | 3.3                       | 30.7               |
| 10/14/1997 | 36         | 5.4                       | 30.6               |
| 10/15/1997 | 35         | 4.7                       | 30.3               |
| 10/16/1997 | 35         | 4.9                       | 30.1               |
| 10/17/1997 | 38         | 7.9                       | 30.1               |
| 10/18/1997 | 39         | 8.8                       | 30.2               |
| 10/19/1997 | 36         | 5.9                       | 30.1               |
| 10/20/1997 | 33         | 3.2                       | 29.8               |
| 10/21/1997 | 34         | 4.5                       | 29.5               |
| 10/22/1997 | 35         | 5.6                       | 29.4               |
| 10/23/1997 | 27         | 0.0                       | 27.0               |
| 10/24/1997 | 24         | 0.0                       | 24.0               |
| 10/25/1997 | 25         | 1.4                       | 23.6               |
| 10/26/1997 | 26         | 2.6                       | 23.4               |
| 10/27/1997 | 25         | 1.9                       | 23.1               |
| 10/28/1997 | 25         | 2.2                       | 22.8               |
| 10/29/1997 | 28         | 5.3                       | 22.7               |
| 10/30/1997 | 23         | 0.7                       | 22.3               |
| 10/31/1997 | 25         | 2.9                       | 22.1               |
| 11/1/1997  | 28         | 5.9                       | 22.1               |
| 11/2/1997  | 65         | 40.1                      | 24.9               |
| 11/3/1997  | 112        | 81.1                      | 30.9               |
| 11/4/1997  | 71         | 37.7                      | 33.3               |
| 11/5/1997  | 62         | 27.2                      | 34.8               |
| 11/6/1997  | 59         | 23.0                      | 36.0               |
| 11/7/1997  | 53         | 16.4                      | 36.6               |
| 11/8/1997  | 49         | 12.2                      | 36.8               |
| 11/9/1997  | 46         | 9.2                       | 36.8               |
| 11/10/1997 | 44         | 7.4                       | 36.6               |
| 11/11/1997 | 43         | 6.6                       | 36.4               |
| 11/12/1997 | 41         | 4.9                       | 36.1               |
| 11/13/1997 | 45         | 8.9                       | 36.1               |
| 11/14/1997 | 720        | 633.9                     | 86.1               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/16/2007 | 37.3       | 10.3                      | 21.0               |
| 5/17/2007 | 36.9       | 15.1                      | 21.8               |
| 5/18/2007 | 37.8       | 15.2                      | 22.6               |
| 5/19/2007 | 44.2       | 20.4                      | 23.8               |
| 5/20/2007 | 36         | 11.8                      | 24.2               |
| 5/21/2007 | 30.3       | 6.1                       | 24.2               |
| 5/22/2007 | 28.8       | 4.7                       | 24.1               |
| 5/23/2007 | 27.4       | 3.5                       | 23.9               |
| 5/24/2007 | 30.3       | 6.4                       | 23.9               |
| 5/25/2007 | 30.7       | 6.7                       | 24.0               |
| 5/26/2007 | 29.2       | 5.3                       | 23.9               |
| 5/27/2007 | 27         | 3.3                       | 23.7               |
| 5/28/2007 | 24.6       | 1.3                       | 23.3               |
| 5/29/2007 | 22.9       | 0.0                       | 22.9               |
| 5/30/2007 | 21         | 0.0                       | 21.0               |
| 5/31/2007 | 18.7       | 0.0                       | 18.7               |
| 6/1/2007  | 18.4       | 0.1                       | 18.3               |
| 6/2/2007  | 173        | 143.6                     | 29.4               |
| 6/3/2007  | 36         | 6.6                       | 29.4               |
| 6/4/2007  | 26.3       | 0.0                       | 26.3               |
| 6/5/2007  | 21.6       | 0.0                       | 21.6               |
| 6/6/2007  | 28.5       | 6.8                       | 21.7               |
| 6/7/2007  | 31.5       | 9.5                       | 22.0               |
| 6/8/2007  | 23.6       | 1.9                       | 21.7               |
| 6/9/2007  | 21.3       | 0.0                       | 21.3               |
| 6/10/2007 | 21.3       | 0.4                       | 20.9               |
| 6/11/2007 | 22         | 1.4                       | 20.6               |
| 6/12/2007 | 27.4       | 6.7                       | 20.7               |
| 6/13/2007 | 30         | 9.0                       | 21.0               |
| 6/14/2007 | 31.5       | 10.1                      | 21.4               |
| 6/15/2007 | 31.5       | 9.7                       | 21.8               |
| 6/16/2007 | 35.6       | 13.2                      | 22.4               |
| 6/17/2007 | 31.9       | 9.2                       | 22.7               |
| 6/18/2007 | 29.2       | 6.5                       | 22.7               |
| 6/19/2007 | 25.9       | 3.3                       | 22.6               |
| 6/20/2007 | 24.6       | 2.3                       | 22.3               |
| 6/21/2007 | 23.9       | 1.9                       | 22.0               |
| 6/22/2007 | 26.6       | 4.7                       | 21.9               |
| 6/23/2007 | 23.6       | 2.0                       | 21.6               |
| 6/24/2007 | 21         | 0.0                       | 21.0               |
| 6/25/2007 | 19.5       | 0.0                       | 19.5               |
| 6/26/2007 | 19.2       | 0.1                       | 19.1               |
| 6/27/2007 | 18.1       | 0.0                       | 18.1               |
| 6/28/2007 | 16.7       | 0.0                       | 16.7               |
| 6/29/2007 | 16.5       | 0.1                       | 16.4               |
| 6/30/2007 | 17.5       | 1.3                       | 16.2               |
| 7/1/2007  | 17.3       | 1.4                       | 15.9               |
| 7/2/2007  | 17         | 1.3                       | 15.7               |
| 7/3/2007  | 17.5       | 1.9                       | 15.6               |
| 7/4/2007  | 22         | 6.2                       | 15.8               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/15/1997 | 39         | 21.3                      | 17.7               |
| 11/16/1997 | 26         | 8.0                       | 18.0               |
| 11/17/1997 | 22         | 4.1                       | 17.9               |
| 11/18/1997 | 19         | 1.3                       | 17.7               |
| 11/19/1997 | 18         | 0.6                       | 17.4               |
| 11/20/1997 | 16         | 0.0                       | 16.0               |
| 11/21/1997 | 15         | 0.0                       | 15.0               |
| 11/22/1997 | 38         | 21.6                      | 16.4               |
| 11/23/1997 | 23         | 6.4                       | 16.6               |
| 11/24/1997 | 19         | 2.5                       | 16.5               |
| 11/25/1997 | 16         | 0.0                       | 16.0               |
| 11/26/1997 | 15         | 0.0                       | 15.0               |
| 11/27/1997 | 14         | 0.0                       | 14.0               |
| 11/28/1997 | 13         | 0.0                       | 13.0               |
| 11/29/1997 | 13         | 0.2                       | 12.8               |
| 11/30/1997 | 13         | 0.5                       | 12.5               |
| 12/1/1997  | 12         | 0.0                       | 12.0               |
| 12/2/1997  | 11         | 0.0                       | 11.0               |
| 12/3/1997  | 9.6        | 0.0                       | 9.6                |
| 12/4/1997  | 24         | 13.5                      | 10.5               |
| 12/5/1997  | 16         | 5.3                       | 10.7               |
| 12/6/1997  | 12         | 1.4                       | 10.6               |
| 12/7/1997  | 11         | 0.6                       | 10.4               |
| 12/8/1997  | 9.9        | 0.0                       | 9.9                |
| 12/9/1997  | 9.3        | 0.0                       | 9.3                |
| 12/10/1997 | 11         | 1.7                       | 9.3                |
| 12/11/1997 | 14         | 4.6                       | 9.4                |
| 12/12/1997 | 16         | 6.3                       | 9.7                |
| 12/13/1997 | 83         | 68.0                      | 15.0               |
| 12/14/1997 | 76         | 56.8                      | 19.2               |
| 12/15/1997 | 41         | 20.5                      | 20.5               |
| 12/16/1997 | 28         | 7.3                       | 20.7               |
| 12/17/1997 | 23         | 2.5                       | 20.5               |
| 12/18/1997 | 20         | 0.0                       | 20.0               |
| 12/19/1997 | 18         | 0.0                       | 18.0               |
| 12/20/1997 | 16         | 0.0                       | 16.0               |
| 12/21/1997 | 15         | 0.0                       | 15.0               |
| 12/22/1997 | 15         | 0.3                       | 14.7               |
| 12/23/1997 | 14         | 0.0                       | 14.0               |
| 12/24/1997 | 14         | 0.3                       | 13.7               |
| 12/25/1997 | 13         | 0.0                       | 13.0               |
| 12/26/1997 | 15         | 2.1                       | 12.9               |
| 12/27/1997 | 34         | 19.8                      | 14.2               |
| 12/28/1997 | 24         | 9.3                       | 14.7               |
| 12/29/1997 | 19         | 4.3                       | 14.7               |
| 12/30/1997 | 16         | 1.4                       | 14.6               |
| 12/31/1997 | 14         | 0.0                       | 14.0               |
| 1/1/1998   | 13         | 0.0                       | 13.0               |
| 1/2/1998   | 12         | 0.0                       | 12.0               |
| 1/3/1998   | 12         | 0.2                       | 11.8               |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/15/1997 | 371        | 248.2                     | 122.8              |
| 11/16/1997 | 166        | 41.5                      | 124.5              |
| 11/17/1997 | 96         | 0.0                       | 96.0               |
| 11/18/1997 | 68         | 0.0                       | 68.0               |
| 11/19/1997 | 59         | 0.0                       | 59.0               |
| 11/20/1997 | 55         | 0.0                       | 55.0               |
| 11/21/1997 | 53         | 0.2                       | 52.8               |
| 11/22/1997 | 59         | 7.1                       | 51.9               |
| 11/23/1997 | 68         | 15.7                      | 52.3               |
| 11/24/1997 | 70         | 17.1                      | 52.9               |
| 11/25/1997 | 66         | 13.1                      | 52.9               |
| 11/26/1997 | 60         | 7.9                       | 52.1               |
| 11/27/1997 | 57         | 6.1                       | 50.9               |
| 11/28/1997 | 54         | 4.4                       | 49.6               |
| 11/29/1997 | 52         | 3.8                       | 48.2               |
| 11/30/1997 | 51         | 4.0                       | 47.0               |
| 12/1/1997  | 50         | 4.2                       | 45.8               |
| 12/2/1997  | 48         | 3.5                       | 44.5               |
| 12/3/1997  | 46         | 2.8                       | 43.2               |
| 12/4/1997  | 47         | 4.8                       | 42.2               |
| 12/5/1997  | 50         | 8.2                       | 41.8               |
| 12/6/1997  | 47         | 5.9                       | 41.1               |
| 12/7/1997  | 43         | 3.1                       | 39.9               |
| 12/8/1997  | 41         | 2.3                       | 38.7               |
| 12/9/1997  | 39         | 1.6                       | 37.4               |
| 12/10/1997 | 37         | 0.9                       | 36.1               |
| 12/11/1997 | 37         | 2.0                       | 35.0               |
| 12/12/1997 | 70         | 31.4                      | 38.6               |
| 12/13/1997 | 326        | 249.1                     | 76.9               |
| 12/14/1997 | 653        | 498.3                     | 153.7              |
| 12/15/1997 | 672        | 452.1                     | 219.9              |
| 12/16/1997 | 507        | 255.1                     | 251.9              |
| 12/17/1997 | 309        | 57.9                      | 251.1              |
| 12/18/1997 | 169        | 0.0                       | 169.0              |
| 12/19/1997 | 112        | 0.0                       | 112.0              |
| 12/20/1997 | 97         | 0.0                       | 97.0               |
| 12/21/1997 | 86         | 0.0                       | 86.0               |
| 12/22/1997 | 79         | 0.0                       | 79.0               |
| 12/23/1997 | 74         | 0.0                       | 74.0               |
| 12/24/1997 | 71         | 0.0                       | 71.0               |
| 12/25/1997 | 70         | 1.6                       | 68.4               |
| 12/26/1997 | 74         | 7.2                       | 66.8               |
| 12/27/1997 | 110        | 39.5                      | 70.5               |
| 12/28/1997 | 159        | 78.7                      | 80.3               |
| 12/29/1997 | 140        | 54.3                      | 85.7               |
| 12/30/1997 | 110        | 23.9                      | 86.1               |
| 12/31/1997 | 91         | 7.2                       | 83.8               |
| 1/1/1998   | 80         | 0.0                       | 80.0               |
| 1/2/1998   | 73         | 0.0                       | 73.0               |
| 1/3/1998   | 69         | 0.0                       | 69.0               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/15/1997 | 1010       | 876.3                     | 133.7              |
| 11/16/1997 | 635        | 483.3                     | 151.7              |
| 11/17/1997 | 436        | 274.8                     | 161.2              |
| 11/18/1997 | 325        | 159.1                     | 165.9              |
| 11/19/1997 | 263        | 94.9                      | 168.1              |
| 11/20/1997 | 217        | 48.7                      | 168.3              |
| 11/21/1997 | 181        | 13.8                      | 167.2              |
| 11/22/1997 | 279        | 109.1                     | 169.9              |
| 11/23/1997 | 334        | 159.4                     | 174.6              |
| 11/24/1997 | 260        | 83.8                      | 176.2              |
| 11/25/1997 | 205        | 29.4                      | 175.6              |
| 11/26/1997 | 164        | 0.0                       | 164.0              |
| 11/27/1997 | 138        | 0.0                       | 138.0              |
| 11/28/1997 | 122        | 0.0                       | 122.0              |
| 11/29/1997 | 111        | 0.0                       | 111.0              |
| 11/30/1997 | 100        | 0.0                       | 100.0              |
| 12/1/1997  | 90         | 0.0                       | 90.0               |
| 12/2/1997  | 81         | 0.0                       | 81.0               |
| 12/3/1997  | 77         | 0.0                       | 77.0               |
| 12/4/1997  | 82         | 5.5                       | 76.5               |
| 12/5/1997  | 87         | 10.9                      | 76.1               |
| 12/6/1997  | 76         | 0.6                       | 75.4               |
| 12/7/1997  | 68         | 0.0                       | 68.0               |
| 12/8/1997  | 64         | 0.0                       | 64.0               |
| 12/9/1997  | 62         | 0.0                       | 62.0               |
| 12/10/1997 | 63         | 1.6                       | 61.4               |
| 12/11/1997 | 69         | 7.9                       | 61.1               |
| 12/12/1997 | 72         | 11.0                      | 61.0               |
| 12/13/1997 | 221        | 154.5                     | 66.5               |
| 12/14/1997 | 415        | 335.7                     | 79.3               |
| 12/15/1997 | 356        | 266.8                     | 89.2               |
| 12/16/1997 | 268        | 172.8                     | 95.2               |
| 12/17/1997 | 202        | 103.6                     | 98.4               |
| 12/18/1997 | 163        | 63.1                      | 99.9               |
| 12/19/1997 | 135        | 34.7                      | 100.3              |
| 12/20/1997 | 115        | 15.1                      | 99.9               |
| 12/21/1997 | 100        | 1.0                       | 99.0               |
| 12/22/1997 | 91         | 0.0                       | 91.0               |
| 12/23/1997 | 84         | 0.0                       | 84.0               |
| 12/24/1997 | 79         | 0.0                       | 79.0               |
| 12/25/1997 | 74         | 0.0                       | 74.0               |
| 12/26/1997 | 74         | 0.7                       | 73.3               |
| 12/27/1997 | 123        | 48.5                      | 74.5               |
| 12/28/1997 | 167        | 89.7                      | 77.3               |
| 12/29/1997 | 132        | 53.3                      | 78.7               |
| 12/30/1997 | 102        | 23.2                      | 78.8               |
| 12/31/1997 | 83         | 4.8                       | 78.2               |
| 1/1/1998   | 72         | 0.0                       | 72.0               |
| 1/2/1998   | 66         | 0.0                       | 66.0               |
| 1/3/1998   | 62         | 0.0                       | 62.0               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/15/1997 | 786        | 649.7                     | 136.3              |
| 11/16/1997 | 388        | 235.5                     | 152.5              |
| 11/17/1997 | 204        | 50.6                      | 153.4              |
| 11/18/1997 | 130        | 0.0                       | 130.0              |
| 11/19/1997 | 124        | 0.0                       | 124.0              |
| 11/20/1997 | 135        | 12.5                      | 122.5              |
| 11/21/1997 | 94         | 0.0                       | 94.0               |
| 11/22/1997 | 172        | 74.0                      | 98.0               |
| 11/23/1997 | 268        | 159.2                     | 108.8              |
| 11/24/1997 | 198        | 84.6                      | 113.4              |
| 11/25/1997 | 163        | 48.0                      | 115.0              |
| 11/26/1997 | 122        | 8.6                       | 113.4              |
| 11/27/1997 | 105        | 0.0                       | 105.0              |
| 11/28/1997 | 96         | 0.0                       | 96.0               |
| 11/29/1997 | 90         | 0.0                       | 90.0               |
| 11/30/1997 | 88         | 0.0                       | 88.0               |
| 12/1/1997  | 89         | 2.6                       | 86.4               |
| 12/2/1997  | 120        | 32.7                      | 87.3               |
| 12/3/1997  | 90         | 4.1                       | 85.9               |
| 12/4/1997  | 74         | 0.0                       | 74.0               |
| 12/5/1997  | 88         | 14.3                      | 73.7               |
| 12/6/1997  | 82         | 9.1                       | 72.9               |
| 12/7/1997  | 84         | 11.6                      | 72.4               |
| 12/8/1997  | 75         | 3.8                       | 71.2               |
| 12/9/1997  | 69         | 0.0                       | 69.0               |
| 12/10/1997 | 68         | 0.4                       | 67.6               |
| 12/11/1997 | 84         | 16.4                      | 67.6               |
| 12/12/1997 | 95         | 26.6                      | 68.4               |
| 12/13/1997 | 296        | 212.0                     | 84.0               |
| 12/14/1997 | 629        | 506.2                     | 122.8              |
| 12/15/1997 | 507        | 358.0                     | 149.0              |
| 12/16/1997 | 295        | 138.0                     | 157.0              |
| 12/17/1997 | 191        | 34.4                      | 156.6              |
| 12/18/1997 | 138        | 0.0                       | 138.0              |
| 12/19/1997 | 115        | 0.0                       | 115.0              |
| 12/20/1997 | 106        | 0.0                       | 106.0              |
| 12/21/1997 | 118        | 13.1                      | 104.9              |
| 12/22/1997 | 103        | 0.2                       | 102.8              |
| 12/23/1997 | 77         | 0.0                       | 77.0               |
| 12/24/1997 | 75         | 0.0                       | 75.0               |
| 12/25/1997 | 73         | 0.0                       | 73.0               |
| 12/26/1997 | 74         | 2.3                       | 71.7               |
| 12/27/1997 | 107        | 34.0                      | 73.0               |
| 12/28/1997 | 221        | 138.4                     | 82.6               |
| 12/29/1997 | 168        | 80.6                      | 87.4               |
| 12/30/1997 | 136        | 46.6                      | 89.4               |
| 12/31/1997 | 109        | 19.8                      | 89.2               |
| 1/1/1998   | 84         | 0.0                       | 84.0               |
| 1/2/1998   | 76         | 0.0                       | 76.0               |
| 1/3/1998   | 83         | 7.9                       | 75.1               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/5/2007  | 36.9       | 19.9                      | 17.0               |
| 7/6/2007  | 32.3       | 14.5                      | 17.8               |
| 7/7/2007  | 43.3       | 23.9                      | 19.4               |
| 7/8/2007  | 50.3       | 29.0                      | 21.3               |
| 7/9/2007  | 27.7       | 6.3                       | 21.4               |
| 7/10/2007 | 22.6       | 1.5                       | 21.1               |
| 7/11/2007 | 22.3       | 1.5                       | 20.8               |
| 7/12/2007 | 21.3       | 0.9                       | 20.4               |
| 7/13/2007 | 19.2       | 0.0                       | 19.2               |
| 7/14/2007 | 21         | 2.0                       | 19.0               |
| 7/15/2007 | 22.6       | 3.7                       | 18.9               |
| 7/16/2007 | 19.5       | 0.9                       | 18.6               |
| 7/17/2007 | 16.7       | 0.0                       | 16.7               |
| 7/18/2007 | 14.7       | 0.0                       | 14.7               |
| 7/19/2007 | 15.9       | 1.4                       | 14.5               |
| 7/20/2007 | 22         | 7.2                       | 14.8               |
| 7/21/2007 | 106.4      | 85.1                      | 21.3               |
| 7/22/2007 | 62.7       | 38.7                      | 24.0               |
| 7/23/2007 | 31.9       | 7.8                       | 24.1               |
| 7/24/2007 | 25.9       | 2.1                       | 23.8               |
| 7/25/2007 | 22.9       | 0.0                       | 22.9               |
| 7/26/2007 | 26.6       | 3.9                       | 22.8               |
| 7/27/2007 | 27.4       | 4.7                       | 22.7               |
| 7/28/2007 | 25.9       | 3.4                       | 22.5               |
| 7/29/2007 | 25.9       | 3.6                       | 22.3               |
| 7/30/2007 | 21         | 0.0                       | 21.0               |
| 7/31/2007 | 22         | 1.3                       | 20.7               |
| 8/1/2007  | 24.2       | 3.6                       | 20.6               |
| 8/2/2007  | 30         | 9.1                       | 20.9               |
| 8/3/2007  | 27.7       | 6.7                       | 21.0               |
| 8/4/2007  | 27.4       | 6.3                       | 21.1               |
| 8/5/2007  | 25.9       | 4.8                       | 21.1               |
| 8/6/2007  | 23.2       | 2.4                       | 20.8               |
| 8/7/2007  | 20.4       | 0.0                       | 20.4               |
| 8/8/2007  | 17.8       | 0.0                       | 17.8               |
| 8/9/2007  | 14.4       | 0.0                       | 14.4               |
| 8/10/2007 | 12.4       | 0.0                       | 12.4               |
| 8/11/2007 | 9.9        | 0.0                       | 9.9                |
| 8/12/2007 | 10.5       | 0.7                       | 9.8                |
| 8/13/2007 | 11.9       | 2.2                       | 9.7                |
| 8/14/2007 | 13.5       | 3.7                       | 9.8                |
| 8/15/2007 | 14.2       | 4.2                       | 10.0               |
| 8/16/2007 | 14.7       | 4.6                       | 10.1               |
| 8/17/2007 | 14.7       | 4.4                       | 10.3               |
| 8/18/2007 | 13         | 2.7                       | 10.3               |
| 8/19/2007 | 12.1       | 1.9                       | 10.2               |
| 8/20/2007 | 11.1       | 1.0                       | 10.1               |
| 8/21/2007 | 10.5       | 0.5                       | 10.0               |
| 8/22/2007 | 11.1       | 1.2                       | 9.9                |
| 8/23/2007 | 11.9       | 2.1                       | 9.8                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/4/1998  | 11         | 0.0                       | 11.0               |
| 1/5/1998  | 11         | 0.2                       | 10.8               |
| 1/6/1998  | 11         | 0.4                       | 10.6               |
| 1/7/1998  | 11         | 0.6                       | 10.4               |
| 1/8/1998  | 22         | 10.9                      | 11.1               |
| 1/9/1998  | 19         | 7.5                       | 11.5               |
| 1/10/1998 | 14         | 2.5                       | 11.5               |
| 1/11/1998 | 13         | 1.6                       | 11.4               |
| 1/12/1998 | 12         | 0.8                       | 11.2               |
| 1/13/1998 | 11         | 0.0                       | 11.0               |
| 1/14/1998 | 11         | 0.2                       | 10.8               |
| 1/15/1998 | 15         | 4.1                       | 10.9               |
| 1/16/1998 | 17         | 5.9                       | 11.1               |
| 1/17/1998 | 11         | 0.1                       | 10.9               |
| 1/18/1998 | 12         | 1.2                       | 10.8               |
| 1/19/1998 | 12         | 1.3                       | 10.7               |
| 1/20/1998 | 12         | 1.4                       | 10.6               |
| 1/21/1998 | 9.8        | 0.0                       | 9.8                |
| 1/22/1998 | 8.9        | 0.0                       | 8.9                |
| 1/23/1998 | 105        | 89.1                      | 15.9               |
| 1/24/1998 | 65         | 45.8                      | 19.2               |
| 1/25/1998 | 31         | 11.3                      | 19.7               |
| 1/26/1998 | 23         | 3.4                       | 19.6               |
| 1/27/1998 | 21         | 1.7                       | 19.3               |
| 1/28/1998 | 19         | 0.0                       | 19.0               |
| 1/29/1998 | 17         | 0.0                       | 17.0               |
| 1/30/1998 | 16         | 0.0                       | 16.0               |
| 1/31/1998 | 15         | 0.0                       | 15.0               |
| 2/1/1998  | 14         | 0.0                       | 14.0               |
| 2/2/1998  | 16         | 2.1                       | 13.9               |
| 2/3/1998  | 30         | 15.2                      | 14.8               |
| 2/4/1998  | 18         | 3.2                       | 14.8               |
| 2/5/1998  | 15         | 0.5                       | 14.5               |
| 2/6/1998  | 14         | 0.0                       | 14.0               |
| 2/7/1998  | 16         | 2.1                       | 13.9               |
| 2/8/1998  | 13         | 0.0                       | 13.0               |
| 2/9/1998  | 13         | 0.2                       | 12.8               |
| 2/10/1998 | 12         | 0.0                       | 12.0               |
| 2/11/1998 | 12         | 0.2                       | 11.8               |
| 2/12/1998 | 11         | 0.0                       | 11.0               |
| 2/13/1998 | 12         | 1.1                       | 10.9               |
| 2/14/1998 | 14         | 3.1                       | 10.9               |
| 2/15/1998 | 13         | 2.1                       | 10.9               |
| 2/16/1998 | 32         | 19.8                      | 12.2               |
| 2/17/1998 | 33         | 19.5                      | 13.5               |
| 2/18/1998 | 23         | 9.0                       | 14.0               |
| 2/19/1998 | 19         | 4.9                       | 14.1               |
| 2/20/1998 | 20         | 5.7                       | 14.3               |
| 2/21/1998 | 16         | 1.9                       | 14.1               |
| 2/22/1998 | 16         | 2.0                       | 14.0               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/4/1998  | 90         | 20.5                      | 69.5               |
| 1/5/1998  | 119        | 45.1                      | 73.9               |
| 1/6/1998  | 103        | 27.6                      | 75.4               |
| 1/7/1998  | 82         | 8.3                       | 73.7               |
| 1/8/1998  | 95         | 20.9                      | 74.1               |
| 1/9/1998  | 139        | 58.5                      | 80.5               |
| 1/10/1998 | 130        | 45.4                      | 84.6               |
| 1/11/1998 | 101        | 17.1                      | 83.9               |
| 1/12/1998 | 82         | 1.2                       | 80.8               |
| 1/13/1998 | 70         | 0.0                       | 70.0               |
| 1/14/1998 | 63         | 0.0                       | 63.0               |
| 1/15/1998 | 93         | 28.0                      | 65.0               |
| 1/16/1998 | 242        | 154.9                     | 87.1               |
| 1/17/1998 | 290        | 177.9                     | 112.1              |
| 1/18/1998 | 190        | 71.0                      | 119.0              |
| 1/19/1998 | 128        | 11.9                      | 116.1              |
| 1/20/1998 | 104        | 0.0                       | 104.0              |
| 1/21/1998 | 89         | 0.0                       | 89.0               |
| 1/22/1998 | 81         | 0.0                       | 81.0               |
| 1/23/1998 | 158        | 69.2                      | 88.8               |
| 1/24/1998 | 266        | 155.8                     | 110.2              |
| 1/25/1998 | 198        | 79.5                      | 118.5              |
| 1/26/1998 | 136        | 19.2                      | 116.8              |
| 1/27/1998 | 122        | 8.5                       | 113.5              |
| 1/28/1998 | 107        | 0.0                       | 107.0              |
| 1/29/1998 | 94         | 0.0                       | 94.0               |
| 1/30/1998 | 90         | 0.0                       | 90.0               |
| 1/31/1998 | 87         | 0.5                       | 86.5               |
| 2/1/1998  | 84         | 0.8                       | 83.2               |
| 2/2/1998  | 118        | 32.9                      | 85.1               |
| 2/3/1998  | 263        | 156.3                     | 106.7              |
| 2/4/1998  | 285        | 157.4                     | 127.6              |
| 2/5/1998  | 193        | 60.8                      | 132.2              |
| 2/6/1998  | 150        | 19.9                      | 130.1              |
| 2/7/1998  | 188        | 54.4                      | 133.6              |
| 2/8/1998  | 197        | 59.2                      | 137.8              |
| 2/9/1998  | 156        | 20.5                      | 135.5              |
| 2/10/1998 | 128        | 0.0                       | 128.0              |
| 2/11/1998 | 110        | 0.0                       | 110.0              |
| 2/12/1998 | 95         | 0.0                       | 95.0               |
| 2/13/1998 | 85         | 0.0                       | 85.0               |
| 2/14/1998 | 81         | 0.0                       | 81.0               |
| 2/15/1998 | 93         | 13.1                      | 79.9               |
| 2/16/1998 | 189        | 96.8                      | 92.2               |
| 2/17/1998 | 412        | 278.9                     | 133.1              |
| 2/18/1998 | 632        | 434.7                     | 197.3              |
| 2/19/1998 | 549        | 310.0                     | 239.0              |
| 2/20/1998 | 419        | 163.4                     | 255.6              |
| 2/21/1998 | 383        | 118.6                     | 264.4              |
| 2/22/1998 | 259        | 4.5                       | 254.5              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/4/1998  | 60         | 0.0                       | 60.0               |
| 1/5/1998  | 57         | 0.0                       | 57.0               |
| 1/6/1998  | 55         | 0.0                       | 55.0               |
| 1/7/1998  | 56         | 1.5                       | 54.5               |
| 1/8/1998  | 64         | 9.6                       | 54.4               |
| 1/9/1998  | 76         | 21.3                      | 54.7               |
| 1/10/1998 | 68         | 13.4                      | 54.6               |
| 1/11/1998 | 60         | 5.7                       | 54.3               |
| 1/12/1998 | 54         | 0.2                       | 53.8               |
| 1/13/1998 | 49         | 0.0                       | 49.0               |
| 1/14/1998 | 48         | 0.0                       | 48.0               |
| 1/15/1998 | 52         | 4.3                       | 47.7               |
| 1/16/1998 | 90         | 41.1                      | 48.9               |
| 1/17/1998 | 79         | 29.4                      | 49.6               |
| 1/18/1998 | 64         | 14.4                      | 49.6               |
| 1/19/1998 | 58         | 8.5                       | 49.5               |
| 1/20/1998 | 53         | 3.9                       | 49.1               |
| 1/21/1998 | 48         | 0.0                       | 48.0               |
| 1/22/1998 | 47         | 0.0                       | 47.0               |
| 1/23/1998 | 92         | 43.7                      | 48.3               |
| 1/24/1998 | 263        | 206.9                     | 56.1               |
| 1/25/1998 | 186        | 125.5                     | 60.5               |
| 1/26/1998 | 139        | 76.0                      | 63.0               |
| 1/27/1998 | 124        | 59.3                      | 64.7               |
| 1/28/1998 | 106        | 40.3                      | 65.7               |
| 1/29/1998 | 89         | 23.1                      | 65.9               |
| 1/30/1998 | 78         | 12.2                      | 65.8               |
| 1/31/1998 | 70         | 4.7                       | 65.3               |
| 2/1/1998  | 65         | 0.3                       | 64.7               |
| 2/2/1998  | 65         | 0.9                       | 64.1               |
| 2/3/1998  | 166        | 98.6                      | 67.4               |
| 2/4/1998  | 133        | 63.8                      | 69.2               |
| 2/5/1998  | 92         | 22.6                      | 69.4               |
| 2/6/1998  | 76         | 7.0                       | 69.0               |
| 2/7/1998  | 129        | 58.3                      | 70.7               |
| 2/8/1998  | 112        | 40.4                      | 71.6               |
| 2/9/1998  | 84         | 12.6                      | 71.4               |
| 2/10/1998 | 76         | 5.1                       | 70.9               |
| 2/11/1998 | 68         | 0.0                       | 68.0               |
| 2/12/1998 | 63         | 0.0                       | 63.0               |
| 2/13/1998 | 60         | 0.0                       | 60.0               |
| 2/14/1998 | 62         | 2.5                       | 59.5               |
| 2/15/1998 | 61         | 2.0                       | 59.0               |
| 2/16/1998 | 140        | 78.5                      | 61.5               |
| 2/17/1998 | 605        | 523.2                     | 81.8               |
| 2/18/1998 | 587        | 486.5                     | 100.5              |
| 2/19/1998 | 363        | 253.4                     | 109.6              |
| 2/20/1998 | 271        | 156.2                     | 114.8              |
| 2/21/1998 | 204        | 86.9                      | 117.1              |
| 2/22/1998 | 163        | 45.3                      | 117.7              |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/4/1998  | 79         | 5.0                       | 74.0               |
| 1/5/1998  | 112        | 36.5                      | 75.5               |
| 1/6/1998  | 139        | 60.2                      | 78.8               |
| 1/7/1998  | 119        | 38.7                      | 80.3               |
| 1/8/1998  | 115        | 33.6                      | 81.4               |
| 1/9/1998  | 156        | 70.6                      | 85.4               |
| 1/10/1998 | 130        | 42.9                      | 87.1               |
| 1/11/1998 | 111        | 23.7                      | 87.3               |
| 1/12/1998 | 94         | 7.8                       | 86.2               |
| 1/13/1998 | 76         | 0.0                       | 76.0               |
| 1/14/1998 | 71         | 0.0                       | 71.0               |
| 1/15/1998 | 71         | 1.3                       | 69.7               |
| 1/16/1998 | 177        | 100.7                     | 76.3               |
| 1/17/1998 | 133        | 53.9                      | 79.1               |
| 1/18/1998 | 101        | 21.7                      | 79.3               |
| 1/19/1998 | 83         | 4.9                       | 78.1               |
| 1/20/1998 | 63         | 0.0                       | 63.0               |
| 1/21/1998 | 60         | 0.0                       | 60.0               |
| 1/22/1998 | 58         | 0.0                       | 58.0               |
| 1/23/1998 | 106        | 45.5                      | 60.5               |
| 1/24/1998 | 366        | 284.0                     | 82.0               |
| 1/25/1998 | 259        | 165.4                     | 93.6               |
| 1/26/1998 | 142        | 46.6                      | 95.4               |
| 1/27/1998 | 107        | 12.5                      | 94.5               |
| 1/28/1998 | 89         | 0.0                       | 89.0               |
| 1/29/1998 | 78         | 0.0                       | 78.0               |
| 1/30/1998 | 71         | 0.0                       | 71.0               |
| 1/31/1998 | 67         | 0.0                       | 67.0               |
| 2/1/1998  | 63         | 0.0                       | 63.0               |
| 2/2/1998  | 80         | 16.9                      | 63.1               |
| 2/3/1998  | 234        | 159.4                     | 74.6               |
| 2/4/1998  | 203        | 120.3                     | 82.7               |
| 2/5/1998  | 120        | 36.1                      | 83.9               |
| 2/6/1998  | 78         | 0.0                       | 78.0               |
| 2/7/1998  | 135        | 54.2                      | 80.8               |
| 2/8/1998  | 117        | 35.0                      | 82.0               |
| 2/9/1998  | 112        | 29.3                      | 82.7               |
| 2/10/1998 | 122        | 37.9                      | 84.1               |
| 2/11/1998 | 88         | 5.2                       | 82.8               |
| 2/12/1998 | 74         | 0.0                       | 74.0               |
| 2/13/1998 | 71         | 0.0                       | 71.0               |
| 2/14/1998 | 72         | 2.2                       | 69.8               |
| 2/15/1998 | 79         | 9.8                       | 69.2               |
| 2/16/1998 | 250        | 168.7                     | 81.3               |
| 2/17/1998 | 500        | 389.2                     | 110.8              |
| 2/18/1998 | 526        | 386.5                     | 139.5              |
| 2/19/1998 | 261        | 115.1                     | 145.9              |
| 2/20/1998 | 200        | 52.8                      | 147.2              |
| 2/21/1998 | 180        | 33.1                      | 146.9              |
| 2/22/1998 | 146        | 1.9                       | 144.1              |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/24/2007  | 12.1       | 2.3                       | 9.8                |
| 8/25/2007  | 11.9       | 2.1                       | 9.8                |
| 8/26/2007  | 12.8       | 3.0                       | 9.8                |
| 8/27/2007  | 14.2       | 4.2                       | 10.0               |
| 8/28/2007  | 14.9       | 4.7                       | 10.2               |
| 8/29/2007  | 18.1       | 7.5                       | 10.6               |
| 8/30/2007  | 18.7       | 7.7                       | 11.0               |
| 8/31/2007  | 18.7       | 7.4                       | 11.3               |
| 9/1/2007   | 30         | 17.5                      | 12.5               |
| 9/2/2007   | 37.8       | 23.7                      | 14.1               |
| 9/3/2007   | 36.9       | 21.3                      | 15.6               |
| 9/4/2007   | 38.2       | 21.2                      | 17.0               |
| 9/5/2007   | 39.1       | 20.8                      | 18.3               |
| 9/6/2007   | 37.3       | 17.9                      | 19.4               |
| 9/7/2007   | 40         | 19.5                      | 20.5               |
| 9/8/2007   | 38.2       | 16.7                      | 21.5               |
| 9/9/2007   | 33.9       | 11.9                      | 22.0               |
| 9/10/2007  | 31.9       | 9.6                       | 22.3               |
| 9/11/2007  | 38.2       | 15.1                      | 23.1               |
| 9/12/2007  | 32.7       | 9.3                       | 23.4               |
| 9/13/2007  | 28.5       | 5.2                       | 23.3               |
| 9/14/2007  | 25.6       | 2.6                       | 23.0               |
| 9/15/2007  | 25.2       | 2.4                       | 22.8               |
| 9/16/2007  | 25.2       | 2.7                       | 22.5               |
| 9/17/2007  | 31.9       | 9.1                       | 22.8               |
| 9/18/2007  | 56.3       | 31.4                      | 24.9               |
| 9/19/2007  | 62.7       | 35.5                      | 27.2               |
| 9/20/2007  | 51.4       | 22.9                      | 28.5               |
| 9/21/2007  | 50.8       | 21.2                      | 28.6               |
| 9/22/2007  | 54.6       | 23.7                      | 30.9               |
| 9/23/2007  | 55.2       | 23.1                      | 32.2               |
| 9/24/2007  | 60.9       | 27.2                      | 33.7               |
| 9/25/2007  | 53         | 18.5                      | 34.5               |
| 9/26/2007  | 58.6       | 23.0                      | 35.6               |
| 9/27/2007  | 61.5       | 24.6                      | 36.9               |
| 9/28/2007  | 56.8       | 19.1                      | 37.7               |
| 9/29/2007  | 59.7       | 21.1                      | 38.6               |
| 9/30/2007  | 67.6       | 27.6                      | 40.0               |
| 10/1/2007  | 70.2       | 28.7                      | 41.5               |
| 10/2/2007  | 103.9      | 58.5                      | 45.4               |
| 10/3/2007  | 82.4       | 35.1                      | 47.3               |
| 10/4/2007  | 78.2       | 29.5                      | 48.7               |
| 10/5/2007  | 78.2       | 28.2                      | 50.0               |
| 10/6/2007  | 74.1       | 23.3                      | 50.8               |
| 10/7/2007  | 72.1       | 20.6                      | 51.5               |
| 10/8/2007  | 70.8       | 18.8                      | 52.0               |
| 10/9/2007  | 65.8       | 13.8                      | 52.0               |
| 10/10/2007 | 59.7       | 8.1                       | 51.6               |
| 10/11/2007 | 55.2       | 4.3                       | 50.9               |
| 10/12/2007 | 53.5       | 3.3                       | 50.2               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/23/1998 | 20         | 5.8                       | 14.2               |
| 2/24/1998 | 15         | 1.0                       | 14.0               |
| 2/25/1998 | 13         | 0.0                       | 13.0               |
| 2/26/1998 | 12         | 0.0                       | 12.0               |
| 2/27/1998 | 12         | 0.2                       | 11.8               |
| 2/28/1998 | 12         | 0.4                       | 11.6               |
| 3/1/1998  | 15         | 3.4                       | 11.6               |
| 3/2/1998  | 12         | 0.6                       | 11.4               |
| 3/3/1998  | 11         | 0.0                       | 11.0               |
| 3/4/1998  | 11         | 0.2                       | 10.8               |
| 3/5/1998  | 10         | 0.0                       | 10.0               |
| 3/6/1998  | 10         | 0.2                       | 9.8                |
| 3/7/1998  | 9.9        | 0.3                       | 9.6                |
| 3/8/1998  | 9.7        | 0.2                       | 9.5                |
| 3/9/1998  | 25         | 14.6                      | 10.4               |
| 3/10/1998 | 13         | 2.6                       | 10.4               |
| 3/11/1998 | 11         | 0.7                       | 10.3               |
| 3/12/1998 | 10         | 0.0                       | 10.0               |
| 3/13/1998 | 9.9        | 0.1                       | 9.8                |
| 3/14/1998 | 9.7        | 0.1                       | 9.6                |
| 3/15/1998 | 9.6        | 0.2                       | 9.4                |
| 3/16/1998 | 9.4        | 0.1                       | 9.3                |
| 3/17/1998 | 9.1        | 0.0                       | 9.1                |
| 3/18/1998 | 8.9        | 0.2                       | 8.9                |
| 3/19/1998 | 38         | 27.1                      | 10.9               |
| 3/20/1998 | 65         | 50.3                      | 14.7               |
| 3/21/1998 | 29         | 13.5                      | 15.5               |
| 3/22/1998 | 21         | 5.4                       | 15.6               |
| 3/23/1998 | 18         | 2.5                       | 15.5               |
| 3/24/1998 | 16         | 0.8                       | 15.2               |
| 3/25/1998 | 15         | 0.1                       | 14.9               |
| 3/26/1998 | 13         | 0.0                       | 13.0               |
| 3/27/1998 | 12         | 0.0                       | 12.0               |
| 3/28/1998 | 12         | 0.2                       | 11.8               |
| 3/29/1998 | 12         | 0.4                       | 11.6               |
| 3/30/1998 | 11         | 0.0                       | 11.0               |
| 3/31/1998 | 11         | 0.2                       | 10.8               |
| 4/1/1998  | 11         | 0.4                       | 10.6               |
| 4/2/1998  | 10         | 0.0                       | 10.0               |
| 4/3/1998  | 9.9        | 0.1                       | 9.8                |
| 4/4/1998  | 9.6        | 0.0                       | 9.6                |
| 4/5/1998  | 9          | 0.0                       | 9.0                |
| 4/6/1998  | 8.7        | 0.0                       | 8.7                |
| 4/7/1998  | 8.6        | 0.1                       | 8.5                |
| 4/8/1998  | 8.5        | 0.1                       | 8.4                |
| 4/9/1998  | 8.6        | 0.4                       | 8.2                |
| 4/10/1998 | 8.1        | 0.0                       | 8.1                |
| 4/11/1998 | 7.8        | 0.0                       | 7.8                |
| 4/12/1998 | 7.5        | 0.0                       | 7.5                |
| 4/13/1998 | 7.4        | 0.0                       | 7.4                |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/23/1998 | 138        | 20.6                      | 117.4              |
| 2/24/1998 | 109        | 0.0                       | 109.0              |
| 2/25/1998 | 89         | 0.0                       | 89.0               |
| 2/26/1998 | 80         | 0.0                       | 80.0               |
| 2/27/1998 | 73         | 0.0                       | 73.0               |
| 2/28/1998 | 71         | 0.0                       | 71.0               |
| 3/1/1998  | 70         | 0.0                       | 70.0               |
| 3/2/1998  | 64         | 0.0                       | 64.0               |
| 3/3/1998  | 59         | 0.0                       | 59.0               |
| 3/4/1998  | 55         | 0.0                       | 55.0               |
| 3/5/1998  | 51         | 0.0                       | 51.0               |
| 3/6/1998  | 47         | 0.0                       | 47.0               |
| 3/7/1998  | 44         | 0.0                       | 44.0               |
| 3/8/1998  | 46         | 2.3                       | 43.7               |
| 3/9/1998  | 229        | 178.6                     | 50.4               |
| 3/10/1998 | 189        | 133.8                     | 55.2               |
| 3/11/1998 | 129        | 71.5                      | 57.5               |
| 3/12/1998 | 96         | 37.6                      | 58.4               |
| 3/13/1998 | 79         | 20.3                      | 58.7               |
| 3/14/1998 | 69         | 10.5                      | 58.5               |
| 3/15/1998 | 61         | 3.0                       | 58.0               |
| 3/16/1998 | 56         | 0.0                       | 56.0               |
| 3/17/1998 | 53         | 0.0                       | 53.0               |
| 3/18/1998 | 50         | 0.0                       | 50.0               |
| 3/19/1998 | 93         | 41.8                      | 51.2               |
| 3/20/1998 | 408        | 343.6                     | 64.4               |
| 3/21/1998 | 312        | 238.7                     | 73.3               |
| 3/22/1998 | 212        | 134.1                     | 77.9               |
| 3/23/1998 | 158        | 77.7                      | 80.3               |
| 3/24/1998 | 122        | 40.9                      | 81.1               |
| 3/25/1998 | 96         | 15.1                      | 80.9               |
| 3/26/1998 | 81         | 0.9                       | 80.1               |
| 3/27/1998 | 71         | 0.0                       | 71.0               |
| 3/28/1998 | 63         | 0.0                       | 63.0               |
| 3/29/1998 | 59         | 0.0                       | 59.0               |
| 3/30/1998 | 54         | 0.0                       | 54.0               |
| 3/31/1998 | 50         | 0.0                       | 50.0               |
| 4/1/1998  | 46         | 0.0                       | 46.0               |
| 4/2/1998  | 43         | 0.0                       | 43.0               |
| 4/3/1998  | 42         | 0.0                       | 42.0               |
| 4/4/1998  | 40         | 0.0                       | 40.0               |
| 4/5/1998  | 36         | 0.0                       | 36.0               |
| 4/6/1998  | 33         | 0.0                       | 33.0               |
| 4/7/1998  | 32         | 0.0                       | 32.0               |
| 4/8/1998  | 31         | 0.0                       | 31.0               |
| 4/9/1998  | 30         | 0.0                       | 30.0               |
| 4/10/1998 | 30         | 0.3                       | 29.7               |
| 4/11/1998 | 28         | 0.0                       | 28.0               |
| 4/12/1998 | 26         | 0.0                       | 26.0               |
| 4/13/1998 | 25         | 0.0                       | 25.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/23/1998 | 134        | 0.0                       | 134.0              |
| 2/24/1998 | 101        | 0.0                       | 101.0              |
| 2/25/1998 | 70         | 0.0                       | 70.0               |
| 2/26/1998 | 61         | 0.0                       | 61.0               |
| 2/27/1998 | 58         | 0.0                       | 58.0               |
| 2/28/1998 | 58         | 1.1                       | 56.9               |
| 3/1/1998  | 62         | 5.8                       | 56.2               |
| 3/2/1998  | 65         | 9.1                       | 55.9               |
| 3/3/1998  | 62         | 6.7                       | 55.3               |
| 3/4/1998  | 72         | 16.5                      | 55.5               |
| 3/5/1998  | 69         | 13.5                      | 55.5               |
| 3/6/1998  | 77         | 21.0                      | 56.0               |
| 3/7/1998  | 44         | 0.0                       | 44.0               |
| 3/8/1998  | 40         | 0.0                       | 40.0               |
| 3/9/1998  | 265        | 209.1                     | 55.9               |
| 3/10/1998 | 231        | 183.1                     | 67.9               |
| 3/11/1998 | 143        | 70.8                      | 72.2               |
| 3/12/1998 | 112        | 38.2                      | 73.8               |
| 3/13/1998 | 110        | 34.9                      | 75.1               |
| 3/14/1998 | 83         | 8.7                       | 74.3               |
| 3/15/1998 | 72         | 0.0                       | 72.0               |
| 3/16/1998 | 69         | 0.0                       | 69.0               |
| 3/17/1998 | 59         | 0.0                       | 59.0               |
| 3/18/1998 | 55         | 0.0                       | 55.0               |
| 3/19/1998 | 106        | 48.2                      | 57.8               |
| 3/20/1998 | 663        | 561.5                     | 101.5              |
| 3/21/1998 | 535        | 403.2                     | 131.8              |
| 3/22/1998 | 315        | 172.1                     | 142.9              |
| 3/23/1998 | 215        | 69.4                      | 145.6              |
| 3/24/1998 | 146        | 3.1                       | 142.9              |
| 3/25/1998 | 109        | 0.0                       | 109.0              |
| 3/26/1998 | 91         | 0.0                       | 91.0               |
| 3/27/1998 | 85         | 0.0                       | 85.0               |
| 3/28/1998 | 75         | 0.0                       | 75.0               |
| 3/29/1998 | 70         | 0.0                       | 70.0               |
| 3/30/1998 | 65         | 0.0                       | 65.0               |
| 3/31/1998 | 66         | 2.1                       | 63.9               |
| 4/1/1998  | 65         | 2.2                       | 62.8               |
| 4/2/1998  | 67         | 5.1                       | 61.9               |
| 4/3/1998  | 71         | 9.6                       | 61.4               |
| 4/4/1998  | 68         | 7.2                       | 60.8               |
| 4/5/1998  | 63         | 3.2                       | 59.8               |
| 4/6/1998  | 65         | 5.9                       | 59.1               |
| 4/7/1998  | 59         | 1.0                       | 58.0               |
| 4/8/1998  | 62         | 4.8                       | 57.2               |
| 4/9/1998  | 66         | 9.2                       | 56.8               |
| 4/10/1998 | 56         | 0.3                       | 55.7               |
| 4/11/1998 | 53         | 0.0                       | 53.0               |
| 4/12/1998 | 50         | 0.0                       | 50.0               |
| 4/13/1998 | 58         | 8.3                       | 49.7               |



## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/13/2007 | 48.7       | 0.0                       | 48.7               |
| 10/14/2007 | 48.2       | 0.4                       | 47.8               |
| 10/15/2007 | 44.2       | 0.0                       | 44.2               |
| 10/16/2007 | 41.4       | 0.0                       | 41.4               |
| 10/17/2007 | 44.2       | 3.4                       | 40.8               |
| 10/18/2007 | 40.5       | 0.4                       | 40.1               |
| 10/19/2007 | 36         | 0.0                       | 36.0               |
| 10/20/2007 | 37.8       | 2.3                       | 35.5               |
| 10/21/2007 | 33.5       | 0.0                       | 33.5               |
| 10/22/2007 | 31.1       | 0.0                       | 31.1               |
| 10/23/2007 | 28.8       | 0.0                       | 28.8               |
| 10/24/2007 | 28.5       | 0.3                       | 28.2               |
| 10/25/2007 | 37.3       | 8.9                       | 28.4               |
| 10/26/2007 | 37.3       | 8.8                       | 28.5               |
| 10/27/2007 | 33.9       | 5.5                       | 28.4               |
| 10/28/2007 | 37.3       | 8.8                       | 28.5               |
| 10/29/2007 | 48.7       | 19.2                      | 29.5               |
| 10/30/2007 | 76.8       | 44.3                      | 32.5               |
| 10/31/2007 | 75.5       | 40.5                      | 35.0               |
| 11/1/2007  | 81         | 43.2                      | 37.8               |
| 11/2/2007  | 95.9       | 54.5                      | 41.4               |
| 11/3/2007  | 74.8       | 31.7                      | 43.1               |
| 11/4/2007  | 62.1       | 18.4                      | 43.7               |
| 11/5/2007  | 63.3       | 18.9                      | 44.4               |
| 11/6/2007  | 58         | 13.5                      | 44.5               |
| 11/7/2007  | 59.7       | 14.9                      | 44.8               |
| 11/8/2007  | 55.7       | 10.9                      | 44.8               |
| 11/9/2007  | 50.8       | 6.4                       | 44.4               |
| 11/10/2007 | 40         | 0.0                       | 40.0               |
| 11/11/2007 | 36.9       | 0.0                       | 36.9               |
| 11/12/2007 | 33.5       | 0.0                       | 33.5               |
| 11/13/2007 | 32.3       | 0.0                       | 32.3               |
| 11/14/2007 | 30.7       | 0.0                       | 30.7               |
| 11/15/2007 | 23.6       | 0.0                       | 23.6               |
| 11/16/2007 | 28.5       | 5.0                       | 23.5               |
| 11/17/2007 | 19.5       | 0.0                       | 19.5               |
| 11/18/2007 | 17.3       | 0.0                       | 17.3               |
| 11/19/2007 | 17.5       | 0.5                       | 17.0               |
| 11/20/2007 | 16.5       | 0.0                       | 16.5               |
| 11/21/2007 | 15.7       | 0.0                       | 15.7               |
| 11/22/2007 | 15.7       | 0.3                       | 15.4               |
| 11/23/2007 | 18.9       | 3.5                       | 15.4               |
| 11/24/2007 | 17.8       | 2.5                       | 15.3               |
| 11/25/2007 | 19.2       | 3.9                       | 15.3               |
| 11/26/2007 | 20.1       | 4.7                       | 15.4               |
| 11/27/2007 | 20.7       | 5.2                       | 15.5               |
| 11/28/2007 | 22.6       | 6.9                       | 15.7               |
| 11/29/2007 | 18.4       | 2.8                       | 15.6               |
| 11/30/2007 | 20.4       | 4.7                       | 15.7               |
| 12/1/2007  | 19.5       | 3.8                       | 15.7               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/14/1998 | 7.3        | 0.1                       | 7.2                |
| 4/15/1998 | 7.4        | 0.3                       | 7.1                |
| 4/16/1998 | 7.3        | 0.3                       | 7.0                |
| 4/17/1998 | 6.9        | 0.1                       | 6.8                |
| 4/18/1998 | 7          | 0.3                       | 6.7                |
| 4/19/1998 | 7.5        | 0.8                       | 6.7                |
| 4/20/1998 | 8.4        | 1.7                       | 6.7                |
| 4/21/1998 | 8          | 1.4                       | 6.6                |
| 4/22/1998 | 8.1        | 1.5                       | 6.6                |
| 4/23/1998 | 8.2        | 1.6                       | 6.6                |
| 4/24/1998 | 7.9        | 1.3                       | 6.6                |
| 4/25/1998 | 7.8        | 1.2                       | 6.6                |
| 4/26/1998 | 7.4        | 0.9                       | 6.5                |
| 4/27/1998 | 7.3        | 0.9                       | 6.4                |
| 4/28/1998 | 7          | 0.6                       | 6.4                |
| 4/29/1998 | 7          | 0.7                       | 6.3                |
| 4/30/1998 | 11         | 4.5                       | 6.5                |
| 5/1/1998  | 10         | 3.3                       | 6.7                |
| 5/2/1998  | 8          | 1.4                       | 6.6                |
| 5/3/1998  | 7.3        | 0.7                       | 6.6                |
| 5/4/1998  | 14         | 7.0                       | 7.0                |
| 5/5/1998  | 14         | 6.6                       | 7.4                |
| 5/6/1998  | 13         | 5.3                       | 7.7                |
| 5/7/1998  | 11         | 3.2                       | 7.8                |
| 5/8/1998  | 9.9        | 2.1                       | 7.8                |
| 5/9/1998  | 8.3        | 0.6                       | 7.7                |
| 5/10/1998 | 7.7        | 0.2                       | 7.5                |
| 5/11/1998 | 7.4        | 0.0                       | 7.4                |
| 5/12/1998 | 7.8        | 0.5                       | 7.3                |
| 5/13/1998 | 7.4        | 0.2                       | 7.2                |
| 5/14/1998 | 7.1        | 0.1                       | 7.0                |
| 5/15/1998 | 7.3        | 0.4                       | 6.9                |
| 5/16/1998 | 7          | 0.2                       | 6.8                |
| 5/17/1998 | 6.7        | 0.0                       | 6.7                |
| 5/18/1998 | 7          | 0.4                       | 6.6                |
| 5/19/1998 | 6.8        | 0.3                       | 6.5                |
| 5/20/1998 | 6.5        | 0.2                       | 6.3                |
| 5/21/1998 | 6.2        | 0.0                       | 6.2                |
| 5/22/1998 | 5.9        | 0.0                       | 5.9                |
| 5/23/1998 | 5.9        | 0.1                       | 5.8                |
| 5/24/1998 | 5.8        | 0.1                       | 5.7                |
| 5/25/1998 | 5.6        | 0.0                       | 5.6                |
| 5/26/1998 | 5.6        | 0.1                       | 5.5                |
| 5/27/1998 | 5.6        | 0.2                       | 5.4                |
| 5/28/1998 | 5.6        | 0.3                       | 5.3                |
| 5/29/1998 | 5.3        | 0.1                       | 5.2                |
| 5/30/1998 | 5.3        | 0.2                       | 5.1                |
| 5/31/1998 | 5.2        | 0.2                       | 5.0                |
| 6/1/1998  | 5.1        | 0.2                       | 4.9                |
| 6/2/1998  | 5.2        | 0.3                       | 4.9                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/14/1998 | 31         | 1.7                       | 29.3               |
| 4/15/1998 | 29         | 0.7                       | 28.3               |
| 4/16/1998 | 27         | 0.0                       | 27.0               |
| 4/17/1998 | 25         | 0.0                       | 25.0               |
| 4/18/1998 | 25         | 0.9                       | 24.1               |
| 4/19/1998 | 24         | 0.7                       | 23.3               |
| 4/20/1998 | 26         | 3.1                       | 22.9               |
| 4/21/1998 | 29         | 6.1                       | 22.9               |
| 4/22/1998 | 32         | 8.6                       | 23.4               |
| 4/23/1998 | 33         | 9.1                       | 23.9               |
| 4/24/1998 | 32         | 7.8                       | 24.2               |
| 4/25/1998 | 30         | 5.8                       | 24.2               |
| 4/26/1998 | 29         | 5.0                       | 24.0               |
| 4/27/1998 | 27         | 3.4                       | 23.6               |
| 4/28/1998 | 24         | 1.2                       | 22.8               |
| 4/29/1998 | 24         | 1.8                       | 22.2               |
| 4/30/1998 | 43         | 18.7                      | 24.3               |
| 5/1/1998  | 118        | 81.6                      | 36.4               |
| 5/2/1998  | 157        | 105.2                     | 51.8               |
| 5/3/1998  | 99         | 42.5                      | 56.5               |
| 5/4/1998  | 50         | 0.0                       | 50.0               |
| 5/5/1998  | 43         | 0.0                       | 43.0               |
| 5/6/1998  | 58         | 14.4                      | 43.6               |
| 5/7/1998  | 58         | 13.9                      | 44.1               |
| 5/8/1998  | 45         | 2.3                       | 42.7               |
| 5/9/1998  | 37         | 0.0                       | 37.0               |
| 5/10/1998 | 32         | 0.0                       | 32.0               |
| 5/11/1998 | 29         | 0.0                       | 29.0               |
| 5/12/1998 | 28         | 0.1                       | 27.9               |
| 5/13/1998 | 26         | 0.0                       | 26.0               |
| 5/14/1998 | 22         | 0.0                       | 22.0               |
| 5/15/1998 | 19         | 0.0                       | 19.0               |
| 5/16/1998 | 20         | 1.5                       | 18.5               |
| 5/17/1998 | 22         | 3.7                       | 18.3               |
| 5/18/1998 | 22         | 3.8                       | 18.2               |
| 5/19/1998 | 20         | 2.2                       | 17.8               |
| 5/20/1998 | 19         | 1.6                       | 17.4               |
| 5/21/1998 | 19         | 2.0                       | 17.0               |
| 5/22/1998 | 18         | 1.5                       | 16.5               |
| 5/23/1998 | 17         | 1.0                       | 16.0               |
| 5/24/1998 | 16         | 0.5                       | 15.5               |
| 5/25/1998 | 16         | 1.0                       | 15.0               |
| 5/26/1998 | 16         | 1.4                       | 14.6               |
| 5/27/1998 | 17         | 2.5                       | 14.5               |
| 5/28/1998 | 17         | 2.7                       | 14.3               |
| 5/29/1998 | 16         | 2.0                       | 14.0               |
| 5/30/1998 | 18         | 3.9                       | 14.1               |
| 5/31/1998 | 20         | 5.6                       | 14.4               |
| 6/1/1998  | 20         | 5.3                       | 14.7               |
| 6/2/1998  | 19         | 4.2                       | 14.8               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/14/1998 | 25         | 0.2                       | 24.8               |
| 4/15/1998 | 25         | 0.5                       | 24.5               |
| 4/16/1998 | 25         | 0.7                       | 24.3               |
| 4/17/1998 | 24         | 0.0                       | 24.0               |
| 4/18/1998 | 24         | 0.2                       | 23.8               |
| 4/19/1998 | 23         | 0.0                       | 23.0               |
| 4/20/1998 | 22         | 0.0                       | 22.0               |
| 4/21/1998 | 25         | 3.1                       | 21.9               |
| 4/22/1998 | 29         | 7.0                       | 22.0               |
| 4/23/1998 | 25         | 3.1                       | 21.9               |
| 4/24/1998 | 25         | 3.2                       | 21.8               |
| 4/25/1998 | 24         | 2.3                       | 21.7               |
| 4/26/1998 | 22         | 0.5                       | 21.5               |
| 4/27/1998 | 21         | 0.0                       | 21.0               |
| 4/28/1998 | 19         | 0.0                       | 19.0               |
| 4/29/1998 | 19         | 0.2                       | 18.8               |
| 4/30/1998 | 24         | 5.2                       | 18.8               |
| 5/1/1998  | 46         | 26.3                      | 19.7               |
| 5/2/1998  | 51         | 30.3                      | 20.7               |
| 5/3/1998  | 38         | 16.8                      | 21.2               |
| 5/4/1998  | 31         | 9.6                       | 21.4               |
| 5/5/1998  | 39         | 17.2                      | 21.8               |
| 5/6/1998  | 37         | 14.8                      | 22.2               |
| 5/7/1998  | 30         | 7.7                       | 22.3               |
| 5/8/1998  | 26         | 3.8                       | 22.2               |
| 5/9/1998  | 23         | 1.0                       | 22.0               |
| 5/10/1998 | 20         | 0.0                       | 20.0               |
| 5/11/1998 | 18         | 0.0                       | 18.0               |
| 5/12/1998 | 17         | 0.0                       | 17.0               |
| 5/13/1998 | 16         | 0.0                       | 16.0               |
| 5/14/1998 | 16         | 0.2                       | 15.8               |
| 5/15/1998 | 16         | 0.3                       | 15.7               |
| 5/16/1998 | 15         | 0.0                       | 15.0               |
| 5/17/1998 | 14         | 0.0                       | 14.0               |
| 5/18/1998 | 14         | 0.1                       | 13.9               |
| 5/19/1998 | 14         | 0.3                       | 13.7               |
| 5/20/1998 | 15         | 1.3                       | 13.7               |
| 5/21/1998 | 15         | 1.4                       | 13.6               |
| 5/22/1998 | 16         | 2.5                       | 13.5               |
| 5/23/1998 | 18         | 4.4                       | 13.6               |
| 5/24/1998 | 19         | 5.3                       | 13.7               |
| 5/25/1998 | 20         | 6.2                       | 13.8               |
| 5/26/1998 | 22         | 8.0                       | 14.0               |
| 5/27/1998 | 22         | 7.9                       | 14.1               |
| 5/28/1998 | 20         | 5.8                       | 14.2               |
| 5/29/1998 | 18         | 3.8                       | 14.2               |
| 5/30/1998 | 16         | 1.8                       | 14.2               |
| 5/31/1998 | 17         | 2.9                       | 14.1               |
| 6/1/1998  | 16         | 1.9                       | 13.9               |
| 6/2/1998  | 14         | 0.1                       | 14.1               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/14/1998 | 59         | 9.6                       | 49.4               |
| 4/15/1998 | 58         | 8.8                       | 49.2               |
| 4/16/1998 | 60         | 11.0                      | 49.0               |
| 4/17/1998 | 59         | 10.1                      | 48.9               |
| 4/18/1998 | 55         | 6.6                       | 48.4               |
| 4/19/1998 | 54         | 6.1                       | 47.9               |
| 4/20/1998 | 54         | 6.5                       | 47.5               |
| 4/21/1998 | 63         | 15.2                      | 47.8               |
| 4/22/1998 | 77         | 27.9                      | 49.1               |
| 4/23/1998 | 70         | 20.3                      | 49.7               |
| 4/24/1998 | 65         | 15.1                      | 49.9               |
| 4/25/1998 | 65         | 14.9                      | 50.1               |
| 4/26/1998 | 61         | 11.0                      | 50.0               |
| 4/27/1998 | 61         | 11.1                      | 49.9               |
| 4/28/1998 | 57         | 7.5                       | 49.5               |
| 4/29/1998 | 58         | 8.8                       | 49.2               |
| 4/30/1998 | 64         | 14.6                      | 49.4               |
| 5/1/1998  | 144        | 88.5                      | 55.5               |
| 5/2/1998  | 93         | 35.8                      | 57.2               |
| 5/3/1998  | 78         | 20.3                      | 57.7               |
| 5/4/1998  | 82         | 23.6                      | 58.4               |
| 5/5/1998  | 118        | 56.2                      | 61.8               |
| 5/6/1998  | 68         | 6.9                       | 61.1               |
| 5/7/1998  | 57         | 0.0                       | 57.0               |
| 5/8/1998  | 54         | 0.0                       | 54.0               |
| 5/9/1998  | 49         | 0.0                       | 49.0               |
| 5/10/1998 | 48         | 0.0                       | 48.0               |
| 5/11/1998 | 48         | 0.9                       | 47.1               |
| 5/12/1998 | 50         | 3.5                       | 46.5               |
| 5/13/1998 | 47         | 1.4                       | 45.6               |
| 5/14/1998 | 50         | 4.9                       | 45.1               |
| 5/15/1998 | 50         | 5.4                       | 44.6               |
| 5/16/1998 | 52         | 7.6                       | 44.4               |
| 5/17/1998 | 54         | 9.8                       | 44.2               |
| 5/18/1998 | 55         | 10.8                      | 44.2               |
| 5/19/1998 | 51         | 7.1                       | 43.9               |
| 5/20/1998 | 48         | 4.6                       | 43.4               |
| 5/21/1998 | 48         | 5.1                       | 42.9               |
| 5/22/1998 | 47         | 4.6                       | 42.4               |
| 5/23/1998 | 43         | 1.3                       | 41.7               |
| 5/24/1998 | 38         | 0.0                       | 38.0               |
| 5/25/1998 | 39         | 1.6                       | 37.4               |
| 5/26/1998 | 50         | 12.4                      | 37.6               |
| 5/27/1998 | 41         | 3.8                       | 37.2               |
| 5/28/1998 | 36         | 0.0                       | 36.0               |
| 5/29/1998 | 36         | 0.7                       | 35.3               |
| 5/30/1998 | 39         | 4.0                       | 35.0               |
| 5/31/1998 | 40         | 5.3                       | 34.7               |
| 6/1/1998  | 41         | 6.5                       | 34.5               |
| 6/2/1998  | 45         | 10.4                      | 34.6               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/2/2007  | 16.5       | 1.1                       | 15.4               |
| 12/3/2007  | 14.4       | 0.0                       | 14.4               |
| 12/4/2007  | 15.2       | 1.0                       | 14.2               |
| 12/5/2007  | 11.5       | 0.0                       | 11.5               |
| 12/6/2007  | 10.3       | 0.0                       | 10.3               |
| 12/7/2007  | 9.1        | 0.0                       | 9.1                |
| 12/8/2007  | 9.7        | 0.7                       | 9.0                |
| 12/9/2007  | 8.8        | 0.0                       | 8.8                |
| 12/10/2007 | 8.8        | 0.2                       | 8.6                |
| 12/11/2007 | 8.6        | 0.1                       | 8.5                |
| 12/12/2007 | 8.6        | 0.3                       | 8.3                |
| 12/13/2007 | 7.7        | 0.0                       | 7.7                |
| 12/14/2007 | 8.2        | 0.6                       | 7.6                |
| 12/15/2007 | 6.5        | 0.0                       | 6.5                |
| 12/16/2007 | 4.9        | 0.0                       | 4.9                |
| 12/17/2007 | 12.6       | 7.2                       | 5.4                |
| 12/18/2007 | 8.2        | 2.7                       | 5.5                |
| 12/19/2007 | 7.4        | 1.9                       | 5.5                |
| 12/20/2007 | 7.6        | 2.0                       | 5.6                |
| 12/21/2007 | 8.1        | 2.4                       | 5.7                |
| 12/22/2007 | 11.9       | 5.9                       | 6.0                |
| 12/23/2007 | 11.1       | 4.8                       | 6.3                |
| 12/24/2007 | 17         | 10.0                      | 7.0                |
| 12/25/2007 | 16.2       | 8.7                       | 7.5                |
| 12/26/2007 | 16.2       | 8.2                       | 8.0                |
| 12/27/2007 | 17.3       | 8.7                       | 8.6                |
| 12/28/2007 | 17.8       | 8.7                       | 9.1                |
| 12/29/2007 | 19.5       | 9.8                       | 9.7                |
| 12/30/2007 | 17.8       | 7.7                       | 10.1               |
| 12/31/2007 | 20.7       | 10.0                      | 10.7               |
| 1/1/2008   | 22.9       | 11.5                      | 11.4               |
| 1/2/2008   | 30.3       | 17.7                      | 12.6               |
| 1/3/2008   | 30         | 16.3                      | 13.7               |
| 1/4/2008   | 16.7       | 3.1                       | 13.6               |
| 1/5/2008   | 14.2       | 0.8                       | 13.4               |
| 1/6/2008   | 12.8       | 0.0                       | 12.8               |
| 1/7/2008   | 11.7       | 0.0                       | 11.7               |
| 1/8/2008   | 10.9       | 0.0                       | 10.9               |
| 1/9/2008   | 10.1       | 0.0                       | 10.1               |
| 1/10/2008  | 9          | 0.0                       | 9.0                |
| 1/11/2008  | 7.7        | 0.0                       | 7.7                |
| 1/12/2008  | 7.7        | 0.1                       | 7.6                |
| 1/13/2008  | 8.6        | 1.1                       | 7.5                |
| 1/14/2008  | 12.6       | 4.9                       | 7.7                |
| 1/15/2008  | 10.7       | 2.9                       | 7.8                |
| 1/16/2008  | 8.1        | 0.4                       | 7.7                |
| 1/17/2008  | 6.3        | 0.0                       | 6.3                |
| 1/18/2008  | 11.1       | 4.6                       | 6.5                |
| 1/19/2008  | 9.9        | 3.2                       | 6.7                |
| 1/20/2008  | 20.1       | 12.6                      | 7.5                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/3/1998  | 4.8        | 0.0                       | 4.8                |
| 6/4/1998  | 4.7        | 0.0                       | 4.7                |
| 6/5/1998  | 4.5        | 0.0                       | 4.5                |
| 6/6/1998  | 4.3        | 0.0                       | 4.3                |
| 6/7/1998  | 4.1        | 0.0                       | 4.1                |
| 6/8/1998  | 3.9        | 0.0                       | 3.9                |
| 6/9/1998  | 3.9        | 0.1                       | 3.8                |
| 6/10/1998 | 4.1        | 0.3                       | 3.8                |
| 6/11/1998 | 3.9        | 0.2                       | 3.7                |
| 6/12/1998 | 3.8        | 0.1                       | 3.7                |
| 6/13/1998 | 3.7        | 0.1                       | 3.6                |
| 6/14/1998 | 3.8        | 0.3                       | 3.5                |
| 6/15/1998 | 3.5        | 0.0                       | 3.5                |
| 6/16/1998 | 4.2        | 0.7                       | 3.5                |
| 6/17/1998 | 3.6        | 0.2                       | 3.4                |
| 6/18/1998 | 3.5        | 0.1                       | 3.4                |
| 6/19/1998 | 3.7        | 0.4                       | 3.3                |
| 6/20/1998 | 3.2        | 0.0                       | 3.2                |
| 6/21/1998 | 3.7        | 0.5                       | 3.2                |
| 6/22/1998 | 3.2        | 0.1                       | 3.1                |
| 6/23/1998 | 3          | 0.0                       | 3.0                |
| 6/24/1998 | 2.8        | 0.0                       | 2.8                |
| 6/25/1998 | 2.7        | 0.0                       | 2.7                |
| 6/26/1998 | 8.7        | 5.6                       | 3.1                |
| 6/27/1998 | 3.6        | 0.5                       | 3.1                |
| 6/28/1998 | 2.8        | 0.0                       | 2.8                |
| 6/29/1998 | 2.9        | 0.1                       | 2.8                |
| 6/30/1998 | 2.8        | 0.1                       | 2.7                |
| 7/1/1998  | 2.7        | 0.0                       | 2.7                |
| 7/2/1998  | 2.5        | 0.0                       | 2.5                |
| 7/3/1998  | 2.5        | 0.0                       | 2.5                |
| 7/4/1998  | 2.3        | 0.0                       | 2.3                |
| 7/5/1998  | 2.3        | 0.0                       | 2.3                |
| 7/6/1998  | 2.7        | 0.5                       | 2.2                |
| 7/7/1998  | 3.8        | 1.5                       | 2.3                |
| 7/8/1998  | 4.3        | 1.9                       | 2.4                |
| 7/9/1998  | 3.2        | 0.8                       | 2.4                |
| 7/10/1998 | 3.6        | 1.1                       | 2.5                |
| 7/11/1998 | 13         | 9.8                       | 3.2                |
| 7/12/1998 | 15         | 11.0                      | 4.0                |
| 7/13/1998 | 12         | 7.5                       | 4.5                |
| 7/14/1998 | 7.3        | 2.6                       | 4.7                |
| 7/15/1998 | 6.3        | 1.6                       | 4.7                |
| 7/16/1998 | 7.3        | 2.5                       | 4.8                |
| 7/17/1998 | 8.1        | 3.1                       | 5.0                |
| 7/18/1998 | 8.1        | 3.0                       | 5.1                |
| 7/19/1998 | 7.9        | 2.7                       | 5.2                |
| 7/20/1998 | 8.4        | 3.0                       | 5.4                |
| 7/21/1998 | 7.1        | 1.7                       | 5.4                |
| 7/22/1998 | 6.5        | 1.1                       | 5.4                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/3/1998  | 18         | 3.3                       | 14.7               |
| 6/4/1998  | 17         | 2.5                       | 14.5               |
| 6/5/1998  | 16         | 1.8                       | 14.2               |
| 6/6/1998  | 17         | 2.9                       | 14.1               |
| 6/7/1998  | 18         | 3.8                       | 14.2               |
| 6/8/1998  | 20         | 5.5                       | 14.5               |
| 6/9/1998  | 19         | 4.4                       | 14.6               |
| 6/10/1998 | 19         | 4.3                       | 14.7               |
| 6/11/1998 | 19         | 4.2                       | 14.8               |
| 6/12/1998 | 17         | 2.4                       | 14.6               |
| 6/13/1998 | 16         | 1.7                       | 14.3               |
| 6/14/1998 | 15         | 1.1                       | 13.9               |
| 6/15/1998 | 15         | 1.4                       | 13.6               |
| 6/16/1998 | 14         | 0.8                       | 13.2               |
| 6/17/1998 | 14         | 1.2                       | 12.8               |
| 6/18/1998 | 14         | 1.5                       | 12.5               |
| 6/19/1998 | 15         | 2.6                       | 12.4               |
| 6/20/1998 | 16         | 3.5                       | 12.5               |
| 6/21/1998 | 21         | 7.8                       | 13.2               |
| 6/22/1998 | 26         | 11.5                      | 14.5               |
| 6/23/1998 | 25         | 9.5                       | 15.5               |
| 6/24/1998 | 22         | 6.1                       | 15.9               |
| 6/25/1998 | 21         | 5.0                       | 16.0               |
| 6/26/1998 | 21         | 4.8                       | 16.2               |
| 6/27/1998 | 20         | 3.9                       | 16.1               |
| 6/28/1998 | 20         | 3.9                       | 16.1               |
| 6/29/1998 | 19         | 3.1                       | 15.9               |
| 6/30/1998 | 18         | 2.3                       | 15.7               |
| 7/1/1998  | 16         | 0.8                       | 15.2               |
| 7/2/1998  | 17         | 2.1                       | 14.9               |
| 7/3/1998  | 17         | 2.3                       | 14.7               |
| 7/4/1998  | 17         | 2.5                       | 14.5               |
| 7/5/1998  | 18         | 3.5                       | 14.5               |
| 7/6/1998  | 18         | 3.5                       | 14.5               |
| 7/7/1998  | 20         | 5.3                       | 14.7               |
| 7/8/1998  | 24         | 8.5                       | 15.5               |
| 7/9/1998  | 25         | 8.7                       | 16.3               |
| 7/10/1998 | 25         | 8.1                       | 16.9               |
| 7/11/1998 | 25         | 7.5                       | 17.5               |
| 7/12/1998 | 30         | 11.4                      | 18.6               |
| 7/13/1998 | 48         | 26.0                      | 22.0               |
| 7/14/1998 | 59         | 32.7                      | 26.3               |
| 7/15/1998 | 67         | 36.0                      | 31.0               |
| 7/16/1998 | 98         | 58.8                      | 39.2               |
| 7/17/1998 | 83         | 39.1                      | 43.9               |
| 7/18/1998 | 46         | 3.3                       | 42.7               |
| 7/19/1998 | 38         | 0.0                       | 38.0               |
| 7/20/1998 | 36         | 0.0                       | 36.0               |
| 7/21/1998 | 35         | 0.4                       | 34.6               |
| 7/22/1998 | 34         | 0.7                       | 33.3               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/3/1998  | 14         | 0.2                       | 13.8               |
| 6/4/1998  | 13         | 0.0                       | 13.0               |
| 6/5/1998  | 12         | 0.0                       | 12.0               |
| 6/6/1998  | 15         | 3.0                       | 12.0               |
| 6/7/1998  | 16         | 4.0                       | 12.0               |
| 6/8/1998  | 20         | 7.8                       | 12.2               |
| 6/9/1998  | 20         | 7.6                       | 12.4               |
| 6/10/1998 | 18         | 5.5                       | 12.5               |
| 6/11/1998 | 17         | 4.4                       | 12.6               |
| 6/12/1998 | 16         | 3.4                       | 12.6               |
| 6/13/1998 | 14         | 1.5                       | 12.5               |
| 6/14/1998 | 14         | 1.6                       | 12.4               |
| 6/15/1998 | 13         | 0.7                       | 12.3               |
| 6/16/1998 | 13         | 0.8                       | 12.2               |
| 6/17/1998 | 13         | 0.8                       | 12.2               |
| 6/18/1998 | 13         | 0.9                       | 12.1               |
| 6/19/1998 | 12         | 0.0                       | 12.0               |
| 6/20/1998 | 13         | 1.1                       | 11.9               |
| 6/21/1998 | 15         | 3.1                       | 11.9               |
| 6/22/1998 | 28         | 15.6                      | 12.4               |
| 6/23/1998 | 20         | 7.4                       | 12.6               |
| 6/24/1998 | 14         | 1.5                       | 12.5               |
| 6/25/1998 | 13         | 0.6                       | 12.4               |
| 6/26/1998 | 11         | 0.0                       | 11.0               |
| 6/27/1998 | 11         | 0.1                       | 10.9               |
| 6/28/1998 | 11         | 0.2                       | 10.8               |
| 6/29/1998 | 10         | 0.0                       | 10.0               |
| 6/30/1998 | 10         | 0.1                       | 9.9                |
| 7/1/1998  | 11         | 1.1                       | 9.9                |
| 7/2/1998  | 12         | 2.2                       | 9.8                |
| 7/3/1998  | 14         | 4.1                       | 9.9                |
| 7/4/1998  | 12         | 2.1                       | 9.9                |
| 7/5/1998  | 11         | 1.2                       | 9.8                |
| 7/6/1998  | 13         | 3.1                       | 9.9                |
| 7/7/1998  | 20         | 9.8                       | 10.2               |
| 7/8/1998  | 23         | 12.4                      | 10.6               |
| 7/9/1998  | 19         | 8.2                       | 10.8               |
| 7/10/1998 | 19         | 8.0                       | 11.0               |
| 7/11/1998 | 27         | 15.5                      | 11.5               |
| 7/12/1998 | 47         | 34.2                      | 12.8               |
| 7/13/1998 | 50         | 35.9                      | 14.1               |
| 7/14/1998 | 46         | 30.8                      | 15.2               |
| 7/15/1998 | 43         | 26.9                      | 16.1               |
| 7/16/1998 | 36         | 19.3                      | 16.7               |
| 7/17/1998 | 37         | 19.7                      | 17.3               |
| 7/18/1998 | 35         | 17.2                      | 17.8               |
| 7/19/1998 | 30         | 11.9                      | 18.1               |
| 7/20/1998 | 28         | 9.7                       | 18.3               |
| 7/21/1998 | 25         | 6.6                       | 18.4               |
| 7/22/1998 | 25         | 6.5                       | 18.5               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/3/1998  | 39         | 4.7                       | 34.3               |
| 6/4/1998  | 38         | 4.0                       | 34.0               |
| 6/5/1998  | 38         | 4.4                       | 33.6               |
| 6/6/1998  | 35         | 1.9                       | 33.1               |
| 6/7/1998  | 40         | 7.0                       | 33.0               |
| 6/8/1998  | 73         | 37.6                      | 35.4               |
| 6/9/1998  | 57         | 20.7                      | 36.3               |
| 6/10/1998 | 53         | 16.1                      | 36.9               |
| 6/11/1998 | 56         | 18.4                      | 37.6               |
| 6/12/1998 | 54         | 15.9                      | 38.1               |
| 6/13/1998 | 47         | 8.9                       | 38.1               |
| 6/14/1998 | 42         | 4.3                       | 37.7               |
| 6/15/1998 | 45         | 7.5                       | 37.5               |
| 6/16/1998 | 35         | 0.0                       | 35.0               |
| 6/17/1998 | 35         | 0.6                       | 34.4               |
| 6/18/1998 | 38         | 4.0                       | 34.0               |
| 6/19/1998 | 36         | 2.5                       | 33.5               |
| 6/20/1998 | 35         | 2.0                       | 33.0               |
| 6/21/1998 | 40         | 7.1                       | 32.9               |
| 6/22/1998 | 45         | 11.8                      | 33.2               |
| 6/23/1998 | 35         | 2.3                       | 32.7               |
| 6/24/1998 | 36         | 3.7                       | 32.3               |
| 6/25/1998 | 34         | 2.1                       | 31.9               |
| 6/26/1998 | 34         | 2.6                       | 31.4               |
| 6/27/1998 | 25         | 0.0                       | 25.0               |
| 6/28/1998 | 22         | 0.0                       | 22.0               |
| 6/29/1998 | 22         | 0.4                       | 21.6               |
| 6/30/1998 | 29         | 7.3                       | 21.7               |
| 7/1/1998  | 34         | 11.8                      | 22.2               |
| 7/2/1998  | 41         | 17.8                      | 23.2               |
| 7/3/1998  | 39         | 15.0                      | 24.0               |
| 7/4/1998  | 34         | 9.7                       | 24.3               |
| 7/5/1998  | 32         | 7.6                       | 24.4               |
| 7/6/1998  | 46         | 20.5                      | 25.5               |
| 7/7/1998  | 43         | 16.6                      | 26.4               |
| 7/8/1998  | 107        | 75.2                      | 31.8               |
| 7/9/1998  | 142        | 102.6                     | 39.4               |
| 7/10/1998 | 110        | 66.1                      | 43.9               |
| 7/11/1998 | 57         | 12.9                      | 44.1               |
| 7/12/1998 | 57         | 12.8                      | 44.2               |
| 7/13/1998 | 107        | 59.0                      | 48.0               |
| 7/14/1998 | 137        | 83.3                      | 53.7               |
| 7/15/1998 | 187        | 124.4                     | 62.6               |
| 7/16/1998 | 141        | 73.7                      | 67.3               |
| 7/17/1998 | 133        | 62.1                      | 70.9               |
| 7/18/1998 | 109        | 36.6                      | 72.4               |
| 7/19/1998 | 120        | 45.4                      | 74.6               |
| 7/20/1998 | 98         | 23.1                      | 74.9               |
| 7/21/1998 | 87         | 12.6                      | 74.0               |
| 7/22/1998 | 63         | 0.0                       | 63.0               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/21/2008 | 16.2       | 8.2                       | 8.0                |
| 1/22/2008 | 12.8       | 4.6                       | 8.2                |
| 1/23/2008 | 17.5       | 8.7                       | 8.8                |
| 1/24/2008 | 17.8       | 8.5                       | 9.3                |
| 1/25/2008 | 23.6       | 13.4                      | 10.2               |
| 1/26/2008 | 15.9       | 5.5                       | 10.4               |
| 1/27/2008 | 19.8       | 8.9                       | 10.9               |
| 1/28/2008 | 17.5       | 6.3                       | 11.2               |
| 1/29/2008 | 13.7       | 2.5                       | 11.2               |
| 1/30/2008 | 11.3       | 0.3                       | 11.0               |
| 1/31/2008 | 11.7       | 0.9                       | 10.8               |
| 2/1/2008  | 9.5        | 0.0                       | 9.5                |
| 2/2/2008  | 11.5       | 2.0                       | 9.5                |
| 2/3/2008  | 9.1        | 0.0                       | 9.1                |
| 2/4/2008  | 8.1        | 0.0                       | 8.1                |
| 2/5/2008  | 7.3        | 0.0                       | 7.3                |
| 2/6/2008  | 5.9        | 0.0                       | 5.9                |
| 2/7/2008  | 6.1        | 0.3                       | 5.8                |
| 2/8/2008  | 9          | 3.1                       | 5.9                |
| 2/9/2008  | 9          | 2.9                       | 6.1                |
| 2/10/2008 | 11.3       | 5.0                       | 6.3                |
| 2/11/2008 | 9.3        | 2.9                       | 6.4                |
| 2/12/2008 | 11.5       | 4.8                       | 6.7                |
| 2/13/2008 | 10.5       | 3.7                       | 6.8                |
| 2/14/2008 | 11.3       | 4.3                       | 7.0                |
| 2/15/2008 | 8.8        | 1.8                       | 7.0                |
| 2/16/2008 | 7.7        | 0.7                       | 7.0                |
| 2/17/2008 | 5.5        | 0.0                       | 5.5                |
| 2/18/2008 | 5.1        | 0.0                       | 5.1                |
| 2/19/2008 | 9.5        | 4.2                       | 5.3                |
| 2/20/2008 | 7.3        | 1.9                       | 5.4                |
| 2/21/2008 | 5.2        | 0.0                       | 5.2                |
| 2/22/2008 | 5          | 0.0                       | 5.0                |
| 2/23/2008 | 6.1        | 1.1                       | 5.0                |
| 2/24/2008 | 6.6        | 1.6                       | 5.0                |
| 2/25/2008 | 6.9        | 1.8                       | 5.1                |
| 2/26/2008 | 5.9        | 0.9                       | 5.0                |
| 2/27/2008 | 8.6        | 3.4                       | 5.2                |
| 2/28/2008 | 8.1        | 2.8                       | 5.3                |
| 2/29/2008 | 5.4        | 0.2                       | 5.2                |
| 3/1/2008  | 4.6        | 0.0                       | 4.6                |
| 3/2/2008  | 4.4        | 0.0                       | 4.4                |
| 3/3/2008  | 3          | 0.0                       | 3.0                |
| 3/4/2008  | 2.4        | 0.0                       | 2.4                |
| 3/5/2008  | 3.9        | 1.4                       | 2.5                |
| 3/6/2008  | 5.2        | 2.6                       | 2.6                |
| 3/7/2008  | 5.6        | 2.8                       | 2.8                |
| 3/8/2008  | 7.7        | 4.6                       | 3.1                |
| 3/9/2008  | 8.6        | 5.1                       | 3.5                |
| 3/10/2008 | 6.1        | 2.5                       | 3.6                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/23/1998 | 6          | 0.7                       | 5.3                |
| 7/24/1998 | 5.9        | 0.6                       | 5.3                |
| 7/25/1998 | 5.6        | 0.4                       | 5.2                |
| 7/26/1998 | 5.4        | 0.3                       | 5.1                |
| 7/27/1998 | 5.3        | 0.3                       | 5.0                |
| 7/28/1998 | 5          | 0.1                       | 4.9                |
| 7/29/1998 | 7.1        | 2.1                       | 5.0                |
| 7/30/1998 | 6.2        | 1.2                       | 5.0                |
| 7/31/1998 | 5.6        | 0.7                       | 4.9                |
| 8/1/1998  | 5.2        | 0.3                       | 4.9                |
| 8/2/1998  | 4.7        | 0.0                       | 4.7                |
| 8/3/1998  | 4.5        | 0.0                       | 4.5                |
| 8/4/1998  | 4.3        | 0.0                       | 4.3                |
| 8/5/1998  | 7.4        | 3.0                       | 4.5                |
| 8/6/1998  | 20         | 14.5                      | 5.5                |
| 8/7/1998  | 18         | 11.7                      | 6.3                |
| 8/8/1998  | 10         | 3.5                       | 6.5                |
| 8/9/1998  | 8.3        | 1.8                       | 6.5                |
| 8/10/1998 | 7.6        | 1.1                       | 6.5                |
| 8/11/1998 | 7.3        | 0.9                       | 6.4                |
| 8/12/1998 | 7.5        | 1.1                       | 6.4                |
| 8/13/1998 | 17         | 10.0                      | 7.0                |
| 8/14/1998 | 19         | 11.2                      | 7.8                |
| 8/15/1998 | 12         | 4.0                       | 8.0                |
| 8/16/1998 | 10         | 2.0                       | 8.0                |
| 8/17/1998 | 9.1        | 1.2                       | 7.9                |
| 8/18/1998 | 10         | 2.1                       | 7.9                |
| 8/19/1998 | 11         | 3.0                       | 8.0                |
| 8/20/1998 | 12         | 3.9                       | 8.1                |
| 8/21/1998 | 21         | 12.1                      | 8.9                |
| 8/22/1998 | 19         | 9.5                       | 9.5                |
| 8/23/1998 | 12         | 2.5                       | 9.5                |
| 8/24/1998 | 11         | 1.5                       | 9.5                |
| 8/25/1998 | 9.7        | 0.4                       | 9.3                |
| 8/26/1998 | 8.9        | 0.0                       | 8.9                |
| 8/27/1998 | 8.3        | 0.0                       | 8.3                |
| 8/28/1998 | 8          | 0.0                       | 8.0                |
| 8/29/1998 | 7.8        | 0.0                       | 7.8                |
| 8/30/1998 | 7.2        | 0.0                       | 7.2                |
| 8/31/1998 | 7.4        | 0.3                       | 7.1                |
| 9/1/1998  | 7.3        | 0.3                       | 7.0                |
| 9/2/1998  | 8.2        | 1.3                       | 6.9                |
| 9/3/1998  | 9.1        | 2.1                       | 7.0                |
| 9/4/1998  | 14         | 6.6                       | 7.4                |
| 9/5/1998  | 14         | 6.3                       | 7.7                |
| 9/6/1998  | 11         | 3.2                       | 7.8                |
| 9/7/1998  | 18         | 9.6                       | 8.4                |
| 9/8/1998  | 17         | 8.1                       | 8.9                |
| 9/9/1998  | 13         | 4.0                       | 9.0                |
| 9/10/1998 | 13         | 3.8                       | 9.2                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/23/1998 | 32         | 0.0                       | 32.0               |
| 7/24/1998 | 31         | 0.2                       | 30.8               |
| 7/25/1998 | 30         | 0.4                       | 29.6               |
| 7/26/1998 | 28         | 0.0                       | 28.0               |
| 7/27/1998 | 24         | 0.0                       | 24.0               |
| 7/28/1998 | 21         | 0.0                       | 21.0               |
| 7/29/1998 | 23         | 2.4                       | 20.6               |
| 7/30/1998 | 25         | 4.5                       | 20.5               |
| 7/31/1998 | 24         | 3.8                       | 20.2               |
| 8/1/1998  | 25         | 4.8                       | 20.2               |
| 8/2/1998  | 27         | 6.6                       | 20.4               |
| 8/3/1998  | 30         | 8.9                       | 21.1               |
| 8/4/1998  | 34         | 11.9                      | 22.1               |
| 8/5/1998  | 56         | 30.0                      | 26.0               |
| 8/6/1998  | 137        | 96.6                      | 40.4               |
| 8/7/1998  | 182        | 123.4                     | 58.6               |
| 8/8/1998  | 140        | 72.2                      | 67.8               |
| 8/9/1998  | 80         | 12.9                      | 67.1               |
| 8/10/1998 | 48         | 0.0                       | 48.0               |
| 8/11/1998 | 38         | 0.0                       | 38.0               |
| 8/12/1998 | 34         | 0.0                       | 34.0               |
| 8/13/1998 | 32         | 0.0                       | 32.0               |
| 8/14/1998 | 29         | 0.0                       | 29.0               |
| 8/15/1998 | 28         | 0.1                       | 27.9               |
| 8/16/1998 | 27         | 0.2                       | 26.8               |
| 8/17/1998 | 26         | 0.2                       | 25.8               |
| 8/18/1998 | 26         | 1.1                       | 24.9               |
| 8/19/1998 | 25         | 0.9                       | 24.1               |
| 8/20/1998 | 42         | 16.3                      | 25.7               |
| 8/21/1998 | 155        | 112.4                     | 42.6               |
| 8/22/1998 | 284        | 209.5                     | 74.5               |
| 8/23/1998 | 343        | 234.1                     | 108.9              |
| 8/24/1998 | 257        | 131.4                     | 125.6              |
| 8/25/1998 | 127        | 5.5                       | 121.5              |
| 8/26/1998 | 63         | 0.0                       | 63.0               |
| 8/27/1998 | 47         | 0.0                       | 47.0               |
| 8/28/1998 | 42         | 0.0                       | 42.0               |
| 8/29/1998 | 39         | 0.0                       | 39.0               |
| 8/30/1998 | 37         | 0.0                       | 37.0               |
| 8/31/1998 | 36         | 0.4                       | 35.6               |
| 9/1/1998  | 40         | 5.0                       | 35.0               |
| 9/2/1998  | 68         | 29.7                      | 38.3               |
| 9/3/1998  | 111        | 64.0                      | 47.0               |
| 9/4/1998  | 143        | 84.4                      | 58.6               |
| 9/5/1998  | 148        | 79.1                      | 68.9               |
| 9/6/1998  | 137        | 61.0                      | 76.0               |
| 9/7/1998  | 140        | 57.8                      | 82.2               |
| 9/8/1998  | 177        | 84.6                      | 92.4               |
| 9/9/1998  | 191        | 88.2                      | 102.8              |
| 9/10/1998 | 186        | 75.2                      | 110.8              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/23/1998 | 24         | 5.5                       | 18.5               |
| 7/24/1998 | 23         | 4.5                       | 18.5               |
| 7/25/1998 | 20         | 1.6                       | 18.4               |
| 7/26/1998 | 20         | 1.7                       | 18.3               |
| 7/27/1998 | 18         | 0.0                       | 18.0               |
| 7/28/1998 | 19         | 1.1                       | 17.9               |
| 7/29/1998 | 19         | 1.3                       | 17.7               |
| 7/30/1998 | 17         | 0.0                       | 17.0               |
| 7/31/1998 | 17         | 0.2                       | 16.8               |
| 8/1/1998  | 15         | 0.0                       | 15.0               |
| 8/2/1998  | 14         | 0.0                       | 14.0               |
| 8/3/1998  | 14         | 0.1                       | 13.9               |
| 8/4/1998  | 14         | 0.3                       | 13.7               |
| 8/5/1998  | 17         | 3.3                       | 13.7               |
| 8/6/1998  | 20         | 6.2                       | 13.8               |
| 8/7/1998  | 21         | 7.0                       | 14.0               |
| 8/8/1998  | 32         | 17.5                      | 14.5               |
| 8/9/1998  | 30         | 15.0                      | 15.0               |
| 8/10/1998 | 24         | 8.8                       | 15.2               |
| 8/11/1998 | 21         | 5.7                       | 15.3               |
| 8/12/1998 | 20         | 4.7                       | 15.3               |
| 8/13/1998 | 24         | 8.5                       | 15.5               |
| 8/14/1998 | 24         | 8.3                       | 15.7               |
| 8/15/1998 | 23         | 7.2                       | 15.8               |
| 8/16/1998 | 22         | 6.1                       | 15.9               |
| 8/17/1998 | 19         | 3.1                       | 15.9               |
| 8/18/1998 | 30         | 13.8                      | 16.3               |
| 8/19/1998 | 28         | 11.5                      | 16.5               |
| 8/20/1998 | 28         | 11.2                      | 16.8               |
| 8/21/1998 | 43         | 25.3                      | 17.7               |
| 8/22/1998 | 81         | 61.1                      | 19.9               |
| 8/23/1998 | 121        | 97.4                      | 23.6               |
| 8/24/1998 | 176        | 146.7                     | 29.3               |
| 8/25/1998 | 145        | 111.6                     | 33.4               |
| 8/26/1998 | 104        | 68.2                      | 35.8               |
| 8/27/1998 | 81         | 43.8                      | 37.2               |
| 8/28/1998 | 72         | 33.8                      | 38.2               |
| 8/29/1998 | 60         | 21.3                      | 38.7               |
| 8/30/1998 | 49         | 10.3                      | 38.7               |
| 8/31/1998 | 41         | 2.6                       | 38.4               |
| 9/1/1998  | 35         | 0.0                       | 35.0               |
| 9/2/1998  | 33         | 0.0                       | 33.0               |
| 9/3/1998  | 45         | 11.9                      | 33.1               |
| 9/4/1998  | 48         | 14.6                      | 33.4               |
| 9/5/1998  | 47         | 13.4                      | 33.6               |
| 9/6/1998  | 45         | 11.3                      | 33.7               |
| 9/7/1998  | 42         | 8.3                       | 33.7               |
| 9/8/1998  | 45         | 11.2                      | 33.8               |
| 9/9/1998  | 64         | 29.3                      | 34.7               |
| 9/10/1998 | 75         | 39.1                      | 35.9               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/23/1998 | 57         | 0.0                       | 57.0               |
| 7/24/1998 | 54         | 0.0                       | 54.0               |
| 7/25/1998 | 54         | 1.0                       | 53.0               |
| 7/26/1998 | 54         | 1.9                       | 52.1               |
| 7/27/1998 | 53         | 1.8                       | 51.2               |
| 7/28/1998 | 49         | 0.0                       | 49.0               |
| 7/29/1998 | 59         | 10.2                      | 48.8               |
| 7/30/1998 | 68         | 18.7                      | 49.3               |
| 7/31/1998 | 54         | 5.2                       | 48.8               |
| 8/1/1998  | 51         | 3.0                       | 48.0               |
| 8/2/1998  | 47         | 0.0                       | 47.0               |
| 8/3/1998  | 47         | 0.9                       | 46.1               |
| 8/4/1998  | 45         | 0.0                       | 45.0               |
| 8/5/1998  | 56         | 11.0                      | 45.0               |
| 8/6/1998  | 155        | 102.7                     | 52.3               |
| 8/7/1998  | 223        | 159.0                     | 64.0               |
| 8/8/1998  | 173        | 102.1                     | 70.9               |
| 8/9/1998  | 128        | 54.2                      | 73.8               |
| 8/10/1998 | 92         | 18.2                      | 73.8               |
| 8/11/1998 | 121        | 45.1                      | 75.9               |
| 8/12/1998 | 109        | 32.1                      | 76.9               |
| 8/13/1998 | 109        | 31.1                      | 77.9               |
| 8/14/1998 | 114        | 34.9                      | 79.1               |
| 8/15/1998 | 104        | 24.5                      | 79.5               |
| 8/16/1998 | 90         | 11.2                      | 78.8               |
| 8/17/1998 | 86         | 8.1                       | 77.9               |
| 8/18/1998 | 109        | 30.3                      | 78.7               |
| 8/19/1998 | 113        | 33.2                      | 79.8               |
| 8/20/1998 | 101        | 21.1                      | 79.9               |
| 8/21/1998 | 89         | 9.9                       | 79.1               |
| 8/22/1998 | 88         | 9.7                       | 78.3               |
| 8/23/1998 | 95         | 16.9                      | 78.1               |
| 8/24/1998 | 87         | 9.7                       | 77.3               |
| 8/25/1998 | 101        | 23.4                      | 77.6               |
| 8/26/1998 | 202        | 116.6                     | 85.4               |
| 8/27/1998 | 306        | 205.8                     | 100.2              |
| 8/28/1998 | 270        | 159.1                     | 110.9              |
| 8/29/1998 | 211        | 94.8                      | 116.2              |
| 8/30/1998 | 130        | 14.9                      | 115.1              |
| 8/31/1998 | 104        | 0.0                       | 104.0              |
| 9/1/1998  | 91         | 0.0                       | 91.0               |
| 9/2/1998  | 84         | 0.0                       | 84.0               |
| 9/3/1998  | 72         | 0.0                       | 72.0               |
| 9/4/1998  | 64         | 0.0                       | 64.0               |
| 9/5/1998  | 62         | 0.0                       | 62.0               |
| 9/6/1998  | 67         | 5.8                       | 61.2               |
| 9/7/1998  | 73         | 12.0                      | 61.0               |
| 9/8/1998  | 172        | 103.9                     | 68.1               |
| 9/9/1998  | 191        | 115.1                     | 75.9               |
| 9/10/1998 | 216        | 131.1                     | 84.9               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/11/2008 | 4.5        | 0.9                       | 3.6                |
| 3/12/2008 | 5.2        | 1.6                       | 3.6                |
| 3/13/2008 | 5          | 1.3                       | 3.7                |
| 3/14/2008 | 3.6        | 0.0                       | 3.6                |
| 3/15/2008 | 2.3        | 0.0                       | 2.3                |
| 3/16/2008 | 3.9        | 1.5                       | 2.4                |
| 3/17/2008 | 4.3        | 1.8                       | 2.5                |
| 3/18/2008 | 2.7        | 0.3                       | 2.4                |
| 3/19/2008 | 2.4        | 0.0                       | 2.4                |
| 3/20/2008 | 4.7        | 2.2                       | 2.5                |
| 3/21/2008 | 7.1        | 4.3                       | 2.8                |
| 3/22/2008 | 5.6        | 2.6                       | 3.0                |
| 3/23/2008 | 7.6        | 4.3                       | 3.3                |
| 3/24/2008 | 11.3       | 7.5                       | 3.8                |
| 3/25/2008 | 9.1        | 5.0                       | 4.1                |
| 3/26/2008 | 5.9        | 1.7                       | 4.2                |
| 3/27/2008 | 4.3        | 0.2                       | 4.1                |
| 3/28/2008 | 4          | 0.0                       | 4.0                |
| 3/29/2008 | 4.4        | 0.4                       | 4.0                |
| 3/30/2008 | 5.1        | 1.1                       | 4.0                |
| 3/31/2008 | 8.2        | 4.0                       | 4.2                |
| 4/1/2008  | 4.9        | 0.7                       | 4.2                |
| 4/2/2008  | 6.9        | 2.6                       | 4.3                |
| 4/3/2008  | 5.1        | 0.8                       | 4.3                |
| 4/4/2008  | 4.3        | 0.1                       | 4.2                |
| 4/5/2008  | 4.6        | 0.4                       | 4.2                |
| 4/6/2008  | 14.7       | 9.8                       | 4.9                |
| 4/7/2008  | 30.7       | 24.0                      | 6.7                |
| 4/8/2008  | 25.2       | 17.3                      | 7.9                |
| 4/9/2008  | 21         | 12.2                      | 8.8                |
| 4/10/2008 | 20.4       | 10.9                      | 9.5                |
| 4/11/2008 | 19.5       | 9.5                       | 10.0               |
| 4/12/2008 | 18.1       | 7.7                       | 10.4               |
| 4/13/2008 | 22.3       | 11.2                      | 11.1               |
| 4/14/2008 | 19.8       | 8.2                       | 11.6               |
| 4/15/2008 | 23.6       | 11.4                      | 12.2               |
| 4/16/2008 | 27.4       | 14.3                      | 13.1               |
| 4/17/2008 | 21.3       | 7.8                       | 13.5               |
| 4/18/2008 | 16.7       | 3.2                       | 13.5               |
| 4/19/2008 | 14.9       | 1.6                       | 13.3               |
| 4/20/2008 | 16.2       | 2.9                       | 13.3               |
| 4/21/2008 | 19.2       | 5.7                       | 13.5               |
| 4/22/2008 | 22.3       | 8.4                       | 13.9               |
| 4/23/2008 | 29.2       | 14.4                      | 14.8               |
| 4/24/2008 | 24.6       | 9.4                       | 15.2               |
| 4/25/2008 | 21         | 5.6                       | 15.4               |
| 4/26/2008 | 19.9       | 3.6                       | 15.3               |
| 4/27/2008 | 15.2       | 0.1                       | 15.1               |
| 4/28/2008 | 11.5       | 0.0                       | 11.5               |
| 4/29/2008 | 18.7       | 6.9                       | 11.8               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/11/1998  | 12         | 2.8                       | 9.2                |
| 9/12/1998  | 9.7        | 0.6                       | 9.1                |
| 9/13/1998  | 9.1        | 0.2                       | 8.9                |
| 9/14/1998  | 9.3        | 0.5                       | 8.8                |
| 9/15/1998  | 9.3        | 0.7                       | 8.6                |
| 9/16/1998  | 20         | 10.7                      | 9.3                |
| 9/17/1998  | 24         | 13.8                      | 10.2               |
| 9/18/1998  | 27         | 15.7                      | 11.3               |
| 9/19/1998  | 41         | 27.7                      | 13.3               |
| 9/20/1998  | 29         | 14.8                      | 14.2               |
| 9/21/1998  | 22         | 7.5                       | 14.5               |
| 9/22/1998  | 18         | 3.5                       | 14.5               |
| 9/23/1998  | 16         | 1.7                       | 14.3               |
| 9/24/1998  | 14         | 0.0                       | 14.0               |
| 9/25/1998  | 13         | 0.0                       | 13.0               |
| 9/26/1998  | 14         | 1.2                       | 12.8               |
| 9/27/1998  | 13         | 0.4                       | 12.6               |
| 9/28/1998  | 12         | 0.0                       | 12.0               |
| 9/29/1998  | 11         | 0.0                       | 11.0               |
| 9/30/1998  | 11         | 0.2                       | 10.8               |
| 10/1/1998  | 10         | 0.0                       | 10.0               |
| 10/2/1998  | 11         | 1.1                       | 9.9                |
| 10/3/1998  | 9.8        | 0.1                       | 9.7                |
| 10/4/1998  | 9.4        | 0.0                       | 9.4                |
| 10/5/1998  | 10         | 0.7                       | 9.3                |
| 10/6/1998  | 8.1        | 0.0                       | 8.1                |
| 10/7/1998  | 8          | 0.1                       | 7.9                |
| 10/8/1998  | 10         | 2.1                       | 7.9                |
| 10/9/1998  | 13         | 4.8                       | 8.2                |
| 10/10/1998 | 12         | 3.7                       | 8.3                |
| 10/11/1998 | 9.6        | 1.4                       | 8.2                |
| 10/12/1998 | 11         | 2.7                       | 8.3                |
| 10/13/1998 | 10         | 1.7                       | 8.3                |
| 10/14/1998 | 8.5        | 0.4                       | 8.1                |
| 10/15/1998 | 8.3        | 0.3                       | 8.0                |
| 10/16/1998 | 7.7        | 0.0                       | 7.7                |
| 10/17/1998 | 9.2        | 1.5                       | 7.7                |
| 10/18/1998 | 8.1        | 0.5                       | 7.6                |
| 10/19/1998 | 7.7        | 0.3                       | 7.4                |
| 10/20/1998 | 8.9        | 1.5                       | 7.4                |
| 10/21/1998 | 8.2        | 0.9                       | 7.3                |
| 10/22/1998 | 7.3        | 0.1                       | 7.2                |
| 10/23/1998 | 7.2        | 0.1                       | 7.1                |
| 10/24/1998 | 7          | 0.1                       | 6.9                |
| 10/25/1998 | 6.8        | 0.0                       | 6.8                |
| 10/26/1998 | 6.6        | 0.0                       | 6.6                |
| 10/27/1998 | 6.9        | 0.4                       | 6.5                |
| 10/28/1998 | 6.7        | 0.3                       | 6.4                |
| 10/29/1998 | 6.4        | 0.1                       | 6.3                |
| 10/30/1998 | 6.3        | 0.1                       | 6.2                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/11/1998  | 153        | 40.2                      | 112.8              |
| 9/12/1998  | 120        | 10.1                      | 109.9              |
| 9/13/1998  | 87         | 0.0                       | 87.0               |
| 9/14/1998  | 58         | 0.0                       | 58.0               |
| 9/15/1998  | 68         | 10.6                      | 57.4               |
| 9/16/1998  | 278        | 192.2                     | 85.8               |
| 9/17/1998  | 632        | 473.8                     | 158.2              |
| 9/18/1998  | 861        | 611.3                     | 249.7              |
| 9/19/1998  | 794        | 477.8                     | 316.2              |
| 9/20/1998  | 731        | 368.5                     | 362.5              |
| 9/21/1998  | 794        | 384.5                     | 409.5              |
| 9/22/1998  | 850        | 393.9                     | 456.1              |
| 9/23/1998  | 871        | 373.4                     | 497.6              |
| 9/24/1998  | 733        | 220.1                     | 512.9              |
| 9/25/1998  | 598        | 91.0                      | 507.0              |
| 9/26/1998  | 515        | 24.4                      | 490.6              |
| 9/27/1998  | 428        | 0.0                       | 428.0              |
| 9/28/1998  | 312        | 0.0                       | 312.0              |
| 9/29/1998  | 216        | 0.0                       | 216.0              |
| 9/30/1998  | 166        | 0.0                       | 166.0              |
| 10/1/1998  | 138        | 0.0                       | 138.0              |
| 10/2/1998  | 125        | 0.0                       | 125.0              |
| 10/3/1998  | 116        | 0.0                       | 116.0              |
| 10/4/1998  | 108        | 0.0                       | 108.0              |
| 10/5/1998  | 108        | 3.7                       | 104.3              |
| 10/6/1998  | 106        | 5.1                       | 100.9              |
| 10/7/1998  | 87         | 0.0                       | 87.0               |
| 10/8/1998  | 72         | 0.0                       | 72.0               |
| 10/9/1998  | 68         | 0.0                       | 68.0               |
| 10/10/1998 | 65         | 0.0                       | 65.0               |
| 10/11/1998 | 62         | 0.0                       | 62.0               |
| 10/12/1998 | 59         | 0.0                       | 59.0               |
| 10/13/1998 | 56         | 0.0                       | 56.0               |
| 10/14/1998 | 53         | 0.0                       | 53.0               |
| 10/15/1998 | 52         | 1.0                       | 51.0               |
| 10/16/1998 | 52         | 2.6                       | 49.4               |
| 10/17/1998 | 53         | 4.8                       | 48.2               |
| 10/18/1998 | 56         | 8.4                       | 47.6               |
| 10/19/1998 | 72         | 22.7                      | 49.3               |
| 10/20/1998 | 166        | 102.3                     | 63.7               |
| 10/21/1998 | 264        | 174.8                     | 89.2               |
| 10/22/1998 | 288        | 174.5                     | 113.5              |
| 10/23/1998 | 231        | 105.2                     | 125.8              |
| 10/24/1998 | 161        | 34.7                      | 126.3              |
| 10/25/1998 | 120        | 0.0                       | 120.0              |
| 10/26/1998 | 91         | 0.0                       | 91.0               |
| 10/27/1998 | 67         | 0.0                       | 67.0               |
| 10/28/1998 | 59         | 0.0                       | 59.0               |
| 10/29/1998 | 54         | 0.0                       | 54.0               |
| 10/30/1998 | 50         | 0.0                       | 50.0               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/11/1998  | 64         | 27.4                      | 36.6               |
| 9/12/1998  | 54         | 17.1                      | 36.9               |
| 9/13/1998  | 46         | 9.1                       | 36.9               |
| 9/14/1998  | 41         | 4.3                       | 36.7               |
| 9/15/1998  | 39         | 2.5                       | 36.5               |
| 9/16/1998  | 71         | 33.6                      | 37.4               |
| 9/17/1998  | 135        | 94.2                      | 40.8               |
| 9/18/1998  | 300        | 249.6                     | 50.4               |
| 9/19/1998  | 234        | 177.0                     | 57.0               |
| 9/20/1998  | 238        | 174.6                     | 63.4               |
| 9/21/1998  | 324        | 251.2                     | 72.8               |
| 9/22/1998  | 254        | 174.9                     | 79.1               |
| 9/23/1998  | 228        | 144.0                     | 84.0               |
| 9/24/1998  | 194        | 106.5                     | 87.5               |
| 9/25/1998  | 165        | 75.4                      | 89.6               |
| 9/26/1998  | 150        | 58.9                      | 91.1               |
| 9/27/1998  | 125        | 33.5                      | 91.5               |
| 9/28/1998  | 101        | 10.0                      | 91.0               |
| 9/29/1998  | 85         | 0.0                       | 85.0               |
| 9/30/1998  | 75         | 0.0                       | 75.0               |
| 10/1/1998  | 67         | 0.0                       | 67.0               |
| 10/2/1998  | 61         | 0.0                       | 61.0               |
| 10/3/1998  | 56         | 0.0                       | 56.0               |
| 10/4/1998  | 52         | 0.0                       | 52.0               |
| 10/5/1998  | 48         | 0.0                       | 48.0               |
| 10/6/1998  | 46         | 0.0                       | 46.0               |
| 10/7/1998  | 42         | 0.0                       | 42.0               |
| 10/8/1998  | 41         | 0.0                       | 41.0               |
| 10/9/1998  | 42         | 1.4                       | 40.6               |
| 10/10/1998 | 41         | 0.7                       | 40.3               |
| 10/11/1998 | 39         | 0.0                       | 39.0               |
| 10/12/1998 | 37         | 0.0                       | 37.0               |
| 10/13/1998 | 35         | 0.0                       | 35.0               |
| 10/14/1998 | 33         | 0.0                       | 33.0               |
| 10/15/1998 | 32         | 0.0                       | 32.0               |
| 10/16/1998 | 31         | 0.0                       | 31.0               |
| 10/17/1998 | 31         | 0.3                       | 30.7               |
| 10/18/1998 | 34         | 3.5                       | 30.5               |
| 10/19/1998 | 35         | 4.6                       | 30.4               |
| 10/20/1998 | 48         | 17.2                      | 30.8               |
| 10/21/1998 | 52         | 20.7                      | 31.3               |
| 10/22/1998 | 48         | 16.3                      | 31.7               |
| 10/23/1998 | 44         | 12.2                      | 31.8               |
| 10/24/1998 | 39         | 7.2                       | 31.8               |
| 10/25/1998 | 37         | 5.3                       | 31.7               |
| 10/26/1998 | 36         | 4.4                       | 31.6               |
| 10/27/1998 | 33         | 1.7                       | 31.3               |
| 10/28/1998 | 32         | 1.0                       | 31.0               |
| 10/29/1998 | 31         | 0.3                       | 30.7               |
| 10/30/1998 | 31         | 0.6                       | 30.4               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/11/1998  | 141        | 53.5                      | 87.5               |
| 9/12/1998  | 139        | 49.3                      | 89.7               |
| 9/13/1998  | 437        | 323.3                     | 113.7              |
| 9/14/1998  | 212        | 93.1                      | 118.9              |
| 9/15/1998  | 98         | 0.0                       | 98.0               |
| 9/16/1998  | 88         | 0.0                       | 88.0               |
| 9/17/1998  | 81         | 0.0                       | 81.0               |
| 9/18/1998  | 263        | 170.0                     | 93.0               |
| 9/19/1998  | 644        | 511.9                     | 132.1              |
| 9/20/1998  | 1120       | 917.2                     | 202.8              |
| 9/21/1998  | 754        | 514.1                     | 239.9              |
| 9/22/1998  | 514        | 258.3                     | 255.7              |
| 9/23/1998  | 688        | 405.0                     | 283.0              |
| 9/24/1998  | 378        | 93.2                      | 284.8              |
| 9/25/1998  | 219        | 0.0                       | 219.0              |
| 9/26/1998  | 190        | 0.0                       | 190.0              |
| 9/27/1998  | 166        | 0.0                       | 166.0              |
| 9/28/1998  | 130        | 0.0                       | 130.0              |
| 9/29/1998  | 103        | 0.0                       | 103.0              |
| 9/30/1998  | 84         | 0.0                       | 84.0               |
| 10/1/1998  | 78         | 0.0                       | 78.0               |
| 10/2/1998  | 72         | 0.0                       | 72.0               |
| 10/3/1998  | 67         | 0.0                       | 67.0               |
| 10/4/1998  | 63         | 0.0                       | 63.0               |
| 10/5/1998  | 62         | 0.2                       | 61.8               |
| 10/6/1998  | 62         | 1.4                       | 60.6               |
| 10/7/1998  | 59         | 0.0                       | 59.0               |
| 10/8/1998  | 61         | 2.9                       | 58.1               |
| 10/9/1998  | 67         | 9.4                       | 57.6               |
| 10/10/1998 | 70         | 12.5                      | 57.5               |
| 10/11/1998 | 65         | 8.0                       | 57.0               |
| 10/12/1998 | 62         | 5.7                       | 56.3               |
| 10/13/1998 | 65         | 9.1                       | 55.9               |
| 10/14/1998 | 65         | 9.5                       | 55.5               |
| 10/15/1998 | 63         | 7.9                       | 55.1               |
| 10/16/1998 | 66         | 11.1                      | 54.9               |
| 10/17/1998 | 64         | 9.5                       | 54.5               |
| 10/18/1998 | 79         | 23.7                      | 55.3               |
| 10/19/1998 | 68         | 12.8                      | 55.2               |
| 10/20/1998 | 153        | 91.5                      | 61.5               |
| 10/21/1998 | 237        | 163.7                     | 73.3               |
| 10/22/1998 | 182        | 102.0                     | 80.0               |
| 10/23/1998 | 133        | 50.5                      | 82.5               |
| 10/24/1998 | 103        | 20.6                      | 82.5               |
| 10/25/1998 | 70         | 0.0                       | 70.0               |
| 10/26/1998 | 66         | 0.0                       | 66.0               |
| 10/27/1998 | 61         | 0.0                       | 61.0               |
| 10/28/1998 | 58         | 0.0                       | 58.0               |
| 10/29/1998 | 60         | 2.9                       | 57.1               |
| 10/30/1998 | 62         | 5.6                       | 56.4               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/30/2008 | 18.1       | 6.0                       | 12.1               |
| 5/1/2008  | 14.9       | 2.8                       | 12.1               |
| 5/2/2008  | 13.5       | 1.6                       | 11.9               |
| 5/3/2008  | 13.3       | 1.5                       | 11.8               |
| 5/4/2008  | 12.6       | 0.9                       | 11.7               |
| 5/5/2008  | 14.7       | 3.0                       | 11.7               |
| 5/6/2008  | 18.4       | 6.5                       | 11.9               |
| 5/7/2008  | 17.3       | 5.2                       | 12.1               |
| 5/8/2008  | 12.4       | 0.5                       | 11.9               |
| 5/9/2008  | 13         | 1.2                       | 11.8               |
| 5/10/2008 | 14.4       | 2.6                       | 11.8               |
| 5/11/2008 | 11.3       | 0.0                       | 11.3               |
| 5/12/2008 | 12.6       | 1.4                       | 11.2               |
| 5/13/2008 | 14.4       | 3.2                       | 11.2               |
| 5/14/2008 | 12.6       | 1.5                       | 11.1               |
| 5/15/2008 | 10.1       | 0.0                       | 10.1               |
| 5/16/2008 | 10.7       | 0.7                       | 10.0               |
| 5/17/2008 | 13.7       | 3.6                       | 10.1               |
| 5/18/2008 | 13         | 2.9                       | 10.1               |
| 5/19/2008 | 12.1       | 2.1                       | 10.0               |
| 5/20/2008 | 8.8        | 0.0                       | 8.8                |
| 5/21/2008 | 9.7        | 1.0                       | 8.7                |
| 5/22/2008 | 9.9        | 1.3                       | 8.6                |
| 5/23/2008 | 10.1       | 1.5                       | 8.6                |
| 5/24/2008 | 12.8       | 4.1                       | 8.7                |
| 5/25/2008 | 15.4       | 6.3                       | 9.1                |
| 5/26/2008 | 14.4       | 5.1                       | 9.3                |
| 5/27/2008 | 13.3       | 3.9                       | 9.4                |
| 5/28/2008 | 11.9       | 2.5                       | 9.4                |
| 5/29/2008 | 13.3       | 3.8                       | 9.5                |
| 5/30/2008 | 11.9       | 2.4                       | 9.5                |
| 5/31/2008 | 10.5       | 1.1                       | 9.4                |
| 6/1/2008  | 9          | 0.0                       | 9.0                |
| 6/2/2008  | 8.4        | 0.0                       | 8.4                |
| 6/3/2008  | 8.1        | 0.0                       | 8.1                |
| 6/4/2008  | 6.9        | 0.0                       | 6.9                |
| 6/5/2008  | 7.3        | 0.5                       | 6.8                |
| 6/6/2008  | 7.4        | 0.7                       | 6.7                |
| 6/7/2008  | 8.1        | 1.4                       | 6.7                |
| 6/8/2008  | 8.1        | 1.4                       | 6.7                |
| 6/9/2008  | 7.9        | 1.3                       | 6.6                |
| 6/10/2008 | 8.2        | 1.6                       | 6.6                |
| 6/11/2008 | 8.4        | 1.8                       | 6.6                |
| 6/12/2008 | 7.4        | 0.8                       | 6.6                |
| 6/13/2008 | 6.8        | 0.3                       | 6.5                |
| 6/14/2008 | 6.6        | 0.2                       | 6.4                |
| 6/15/2008 | 5.8        | 0.0                       | 5.8                |
| 6/16/2008 | 5.9        | 0.2                       | 5.7                |
| 6/17/2008 | 8.2        | 2.4                       | 5.8                |
| 6/18/2008 | 12.4       | 6.2                       | 6.2                |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/31/1998 | 6.2        | 0.1                       | 6.1                |
| 11/1/1998  | 6.3        | 0.3                       | 6.0                |
| 11/2/1998  | 6.2        | 0.3                       | 5.9                |
| 11/3/1998  | 6.7        | 0.9                       | 5.8                |
| 11/4/1998  | 11         | 4.9                       | 6.1                |
| 11/5/1998  | 133        | 117.6                     | 15.4               |
| 11/6/1998  | 33         | 16.6                      | 16.4               |
| 11/7/1998  | 23         | 6.4                       | 16.6               |
| 11/8/1998  | 19         | 2.5                       | 16.5               |
| 11/9/1998  | 16         | 0.0                       | 16.0               |
| 11/10/1998 | 15         | 0.0                       | 15.0               |
| 11/11/1998 | 13         | 0.0                       | 13.0               |
| 11/12/1998 | 13         | 0.2                       | 12.8               |
| 11/13/1998 | 12         | 0.0                       | 12.0               |
| 11/14/1998 | 11         | 0.0                       | 11.0               |
| 11/15/1998 | 11         | 0.2                       | 10.8               |
| 11/16/1998 | 10         | 0.0                       | 10.0               |
| 11/17/1998 | 9.7        | 0.0                       | 9.7                |
| 11/18/1998 | 9.5        | 0.0                       | 9.5                |
| 11/19/1998 | 9.5        | 0.2                       | 9.3                |
| 11/20/1998 | 11         | 1.7                       | 9.3                |
| 11/21/1998 | 9.1        | 0.0                       | 9.1                |
| 11/22/1998 | 9.5        | 0.5                       | 9.0                |
| 11/23/1998 | 9.9        | 1.0                       | 8.9                |
| 11/24/1998 | 9.6        | 0.9                       | 8.7                |
| 11/25/1998 | 8.8        | 0.2                       | 8.6                |
| 11/26/1998 | 8.5        | 0.1                       | 8.4                |
| 11/27/1998 | 8.4        | 0.1                       | 8.3                |
| 11/28/1998 | 8.3        | 0.2                       | 8.1                |
| 11/29/1998 | 7.9        | 0.0                       | 7.9                |
| 11/30/1998 | 8.1        | 0.3                       | 7.8                |
| 12/1/1998  | 8          | 0.4                       | 7.6                |
| 12/2/1998  | 7.7        | 0.2                       | 7.5                |
| 12/3/1998  | 7.3        | 0.0                       | 7.3                |
| 12/4/1998  | 7.4        | 0.2                       | 7.2                |
| 12/5/1998  | 7.3        | 0.3                       | 7.0                |
| 12/6/1998  | 7.3        | 0.4                       | 6.9                |
| 12/7/1998  | 7.5        | 0.6                       | 6.9                |
| 12/8/1998  | 8          | 1.2                       | 6.8                |
| 12/9/1998  | 7.1        | 0.4                       | 6.7                |
| 12/10/1998 | 6.4        | 0.0                       | 6.4                |
| 12/11/1998 | 11         | 4.4                       | 6.6                |
| 12/12/1998 | 12         | 5.1                       | 6.9                |
| 12/13/1998 | 9.1        | 2.2                       | 6.9                |
| 12/14/1998 | 8.3        | 1.4                       | 6.9                |
| 12/15/1998 | 7.7        | 0.9                       | 6.8                |
| 12/16/1998 | 7.3        | 0.6                       | 6.7                |
| 12/17/1998 | 7          | 0.4                       | 6.6                |
| 12/18/1998 | 6.9        | 0.4                       | 6.5                |
| 12/19/1998 | 7.2        | 0.7                       | 6.5                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/31/1998 | 52         | 3.4                       | 48.6               |
| 11/1/1998  | 52         | 4.6                       | 47.4               |
| 11/2/1998  | 51         | 4.8                       | 46.2               |
| 11/3/1998  | 50         | 4.8                       | 45.2               |
| 11/4/1998  | 143        | 85.9                      | 57.1               |
| 11/5/1998  | 648        | 511.4                     | 136.6              |
| 11/6/1998  | 830        | 602.4                     | 227.6              |
| 11/7/1998  | 603        | 331.5                     | 271.5              |
| 11/8/1998  | 418        | 135.7                     | 282.3              |
| 11/9/1998  | 260        | 0.0                       | 262.0              |
| 11/10/1998 | 155        | 0.0                       | 155.0              |
| 11/11/1998 | 122        | 0.0                       | 122.0              |
| 11/12/1998 | 109        | 0.0                       | 109.0              |
| 11/13/1998 | 99         | 0.0                       | 99.0               |
| 11/14/1998 | 90         | 0.0                       | 90.0               |
| 11/15/1998 | 84         | 0.0                       | 84.0               |
| 11/16/1998 | 94         | 11.5                      | 82.5               |
| 11/17/1998 | 87         | 6.7                       | 80.3               |
| 11/18/1998 | 67         | 0.0                       | 67.0               |
| 11/19/1998 | 64         | 0.0                       | 64.0               |
| 11/20/1998 | 62         | 0.5                       | 61.5               |
| 11/21/1998 | 60         | 0.8                       | 59.2               |
| 11/22/1998 | 59         | 1.9                       | 57.1               |
| 11/23/1998 | 63         | 7.0                       | 56.0               |
| 11/24/1998 | 71         | 14.9                      | 56.1               |
| 11/25/1998 | 77         | 19.9                      | 57.1               |
| 11/26/1998 | 74         | 16.6                      | 57.4               |
| 11/27/1998 | 68         | 11.1                      | 56.9               |
| 11/28/1998 | 63         | 7.2                       | 55.8               |
| 11/29/1998 | 60         | 5.6                       | 54.4               |
| 11/30/1998 | 58         | 4.9                       | 53.1               |
| 12/1/1998  | 56         | 4.4                       | 51.6               |
| 12/2/1998  | 54         | 3.8                       | 50.2               |
| 12/3/1998  | 55         | 5.9                       | 49.1               |
| 12/4/1998  | 55         | 6.8                       | 48.2               |
| 12/5/1998  | 53         | 5.8                       | 47.2               |
| 12/6/1998  | 52         | 5.7                       | 46.3               |
| 12/7/1998  | 52         | 6.5                       | 45.5               |
| 12/8/1998  | 50         | 5.5                       | 44.5               |
| 12/9/1998  | 49         | 5.4                       | 43.6               |
| 12/10/1998 | 49         | 6.2                       | 42.8               |
| 12/11/1998 | 45         | 3.3                       | 41.7               |
| 12/12/1998 | 43         | 2.6                       | 40.4               |
| 12/13/1998 | 41         | 1.9                       | 39.1               |
| 12/14/1998 | 40         | 2.1                       | 37.9               |
| 12/15/1998 | 38         | 1.4                       | 36.6               |
| 12/16/1998 | 38         | 2.5                       | 35.5               |
| 12/17/1998 | 37         | 2.5                       | 34.5               |
| 12/18/1998 | 37         | 3.3                       | 33.7               |
| 12/19/1998 | 39         | 5.8                       | 33.2               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/31/1998 | 29         | 0.0                       | 29.0               |
| 11/1/1998  | 28         | 0.0                       | 28.0               |
| 11/2/1998  | 26         | 0.0                       | 26.0               |
| 11/3/1998  | 26         | 0.3                       | 25.8               |
| 11/4/1998  | 28         | 2.4                       | 25.6               |
| 11/5/1998  | 207        | 174.7                     | 32.3               |
| 11/6/1998  | 255        | 214.4                     | 40.6               |
| 11/7/1998  | 172        | 126.8                     | 45.2               |
| 11/8/1998  | 145        | 96.4                      | 48.6               |
| 11/9/1998  | 108        | 57.5                      | 50.5               |
| 11/10/1998 | 84         | 32.7                      | 51.3               |
| 11/11/1998 | 76         | 24.3                      | 51.7               |
| 11/12/1998 | 69         | 17.1                      | 51.9               |
| 11/13/1998 | 64         | 12.1                      | 51.9               |
| 11/14/1998 | 58         | 6.4                       | 51.6               |
| 11/15/1998 | 52         | 0.9                       | 51.1               |
| 11/16/1998 | 49         | 0.0                       | 49.0               |
| 11/17/1998 | 45         | 0.0                       | 45.0               |
| 11/18/1998 | 44         | 0.0                       | 44.0               |
| 11/19/1998 | 40         | 0.0                       | 40.0               |
| 11/20/1998 | 38         | 0.0                       | 38.0               |
| 11/21/1998 | 36         | 0.0                       | 36.0               |
| 11/22/1998 | 35         | 0.0                       | 35.0               |
| 11/23/1998 | 33         | 0.0                       | 33.0               |
| 11/24/1998 | 35         | 2.2                       | 32.8               |
| 11/25/1998 | 40         | 7.3                       | 32.7               |
| 11/26/1998 | 39         | 6.4                       | 32.6               |
| 11/27/1998 | 35         | 2.6                       | 32.4               |
| 11/28/1998 | 33         | 0.9                       | 32.1               |
| 11/29/1998 | 31         | 0.0                       | 31.0               |
| 11/30/1998 | 29         | 0.0                       | 29.0               |
| 12/1/1998  | 29         | 0.3                       | 28.7               |
| 12/2/1998  | 28         | 0.0                       | 28.0               |
| 12/3/1998  | 26         | 0.0                       | 26.0               |
| 12/4/1998  | 26         | 0.3                       | 25.8               |
| 12/5/1998  | 26         | 0.5                       | 25.5               |
| 12/6/1998  | 25         | 0.0                       | 25.0               |
| 12/7/1998  | 23         | 0.0                       | 23.0               |
| 12/8/1998  | 23         | 0.2                       | 22.8               |
| 12/9/1998  | 23         | 0.4                       | 22.6               |
| 12/10/1998 | 23         | 0.6                       | 22.4               |
| 12/11/1998 | 24         | 1.8                       | 22.2               |
| 12/12/1998 | 23         | 1.0                       | 22.0               |
| 12/13/1998 | 22         | 0.2                       | 21.8               |
| 12/14/1998 | 22         | 0.4                       | 21.6               |
| 12/15/1998 | 22         | 0.6                       | 21.4               |
| 12/16/1998 | 21         | 0.0                       | 21.0               |
| 12/17/1998 | 20         | 0.0                       | 20.0               |
| 12/18/1998 | 20         | 0.2                       | 19.8               |
| 12/19/1998 | 20         | 0.4                       | 19.6               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/31/1998 | 57         | 1.6                       | 55.4               |
| 11/1/1998  | 57         | 2.5                       | 54.5               |
| 11/2/1998  | 58         | 4.3                       | 53.7               |
| 11/3/1998  | 59         | 5.9                       | 53.1               |
| 11/4/1998  | 71         | 17.5                      | 53.5               |
| 11/5/1998  | 465        | 382.0                     | 83.0               |
| 11/6/1998  | 583        | 464.5                     | 118.5              |
| 11/7/1998  | 272        | 144.4                     | 127.6              |
| 11/8/1998  | 187        | 57.3                      | 129.7              |
| 11/9/1998  | 139        | 11.0                      | 128.0              |
| 11/10/1998 | 95         | 0.0                       | 95.0               |
| 11/11/1998 | 85         | 0.0                       | 85.0               |
| 11/12/1998 | 80         | 0.0                       | 80.0               |
| 11/13/1998 | 74         | 0.0                       | 74.0               |
| 11/14/1998 | 70         | 0.0                       | 70.0               |
| 11/15/1998 | 68         | 0.0                       | 68.0               |
| 11/16/1998 | 64         | 0.0                       | 64.0               |
| 11/17/1998 | 64         | 1.2                       | 62.8               |
| 11/18/1998 | 77         | 14.3                      | 62.7               |
| 11/19/1998 | 69         | 7.0                       | 62.0               |
| 11/20/1998 | 67         | 5.8                       | 61.2               |
| 11/21/1998 | 67         | 6.5                       | 60.5               |
| 11/22/1998 | 60         | 0.6                       | 59.4               |
| 11/23/1998 | 60         | 1.7                       | 58.3               |
| 11/24/1998 | 73         | 14.7                      | 58.3               |
| 11/25/1998 | 120        | 58.2                      | 61.8               |
| 11/26/1998 | 98         | 34.7                      | 63.3               |
| 11/27/1998 | 55         | 0.0                       | 55.0               |
| 11/28/1998 | 50         | 0.0                       | 50.0               |
| 11/29/1998 | 50         | 0.9                       | 49.1               |
| 11/30/1998 | 52         | 3.6                       | 48.4               |
| 12/1/1998  | 57         | 8.9                       | 48.1               |
| 12/2/1998  | 62         | 13.7                      | 48.3               |
| 12/3/1998  | 55         | 7.1                       | 47.9               |
| 12/4/1998  | 51         | 3.8                       | 47.2               |
| 12/5/1998  | 49         | 2.5                       | 46.5               |
| 12/6/1998  | 47         | 1.4                       | 45.6               |
| 12/7/1998  | 50         | 4.9                       | 45.1               |
| 12/8/1998  | 55         | 10.0                      | 45.0               |
| 12/9/1998  | 59         | 13.8                      | 45.2               |
| 12/10/1998 | 61         | 15.4                      | 45.6               |
| 12/11/1998 | 62         | 16.1                      | 45.9               |
| 12/12/1998 | 63         | 16.7                      | 46.3               |
| 12/13/1998 | 60         | 13.5                      | 46.5               |
| 12/14/1998 | 57         | 10.6                      | 46.4               |
| 12/15/1998 | 48         | 2.3                       | 45.7               |
| 12/16/1998 | 45         | 0.2                       | 44.8               |
| 12/17/1998 | 44         | 0.1                       | 43.9               |
| 12/18/1998 | 48         | 4.6                       | 43.4               |
| 12/19/1998 | 44         | 1.4                       | 42.6               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/19/2008 | 9          | 2.7                       | 6.3                |
| 6/20/2008 | 9          | 2.7                       | 6.3                |
| 6/21/2008 | 12.4       | 5.7                       | 6.7                |
| 6/22/2008 | 11.3       | 4.4                       | 6.9                |
| 6/23/2008 | 10.1       | 3.1                       | 7.0                |
| 6/24/2008 | 11.1       | 3.9                       | 7.2                |
| 6/25/2008 | 12.4       | 5.0                       | 7.4                |
| 6/26/2008 | 13         | 5.3                       | 7.7                |
| 6/27/2008 | 9.3        | 1.6                       | 7.7                |
| 6/28/2008 | 8.4        | 0.8                       | 7.6                |
| 6/29/2008 | 8.4        | 0.9                       | 7.5                |
| 6/30/2008 | 7.6        | 0.2                       | 7.4                |
| 7/1/2008  | 7.9        | 0.6                       | 7.3                |
| 7/2/2008  | 7.1        | 0.0                       | 7.1                |
| 7/3/2008  | 6.9        | 0.0                       | 6.9                |
| 7/4/2008  | 7.1        | 0.3                       | 6.8                |
| 7/5/2008  | 6.9        | 0.2                       | 6.7                |
| 7/6/2008  | 6.2        | 0.0                       | 6.2                |
| 7/7/2008  | 7.7        | 1.5                       | 6.2                |
| 7/8/2008  | 7.4        | 1.2                       | 6.2                |
| 7/9/2008  | 6.8        | 0.7                       | 6.1                |
| 7/10/2008 | 5.5        | 0.0                       | 5.5                |
| 7/11/2008 | 5.1        | 0.0                       | 5.1                |
| 7/12/2008 | 18.1       | 12.1                      | 6.0                |
| 7/13/2008 | 9.5        | 3.4                       | 6.1                |
| 7/14/2008 | 7.9        | 1.8                       | 6.1                |
| 7/15/2008 | 10.9       | 4.5                       | 6.4                |
| 7/16/2008 | 31.5       | 23.4                      | 8.1                |
| 7/17/2008 | 27.4       | 18.0                      | 9.4                |
| 7/18/2008 | 18.9       | 9.0                       | 9.9                |
| 7/19/2008 | 17.5       | 7.2                       | 10.3               |
| 7/20/2008 | 16.7       | 6.1                       | 10.6               |
| 7/21/2008 | 25.2       | 13.7                      | 11.5               |
| 7/22/2008 | 49.3       | 35.2                      | 14.1               |
| 7/23/2008 | 28.5       | 13.6                      | 14.9               |
| 7/24/2008 | 22         | 6.9                       | 15.1               |
| 7/25/2008 | 18.7       | 3.6                       | 15.1               |
| 7/26/2008 | 16.7       | 1.8                       | 14.9               |
| 7/27/2008 | 18.1       | 3.2                       | 14.9               |
| 7/28/2008 | 23.6       | 8.3                       | 15.3               |
| 7/29/2008 | 34.7       | 18.3                      | 16.4               |
| 7/30/2008 | 33.9       | 16.5                      | 17.4               |
| 7/31/2008 | 24.6       | 7.0                       | 17.6               |
| 8/1/2008  | 22.3       | 4.7                       | 17.6               |
| 8/2/2008  | 22.3       | 4.6                       | 17.7               |
| 8/3/2008  | 22.9       | 5.2                       | 17.7               |
| 8/4/2008  | 21.3       | 3.6                       | 17.7               |
| 8/5/2008  | 21.6       | 4.0                       | 17.6               |
| 8/6/2008  | 20.7       | 3.2                       | 17.5               |
| 8/7/2008  | 18.7       | 1.4                       | 17.3               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/20/1998 | 7.1        | 0.7                       | 6.4                |
| 12/21/1998 | 6.7        | 0.4                       | 6.3                |
| 12/22/1998 | 6.7        | 0.5                       | 6.2                |
| 12/23/1998 | 6.6        | 0.5                       | 6.1                |
| 12/24/1998 | 6.4        | 0.4                       | 6.0                |
| 12/25/1998 | 6.2        | 0.3                       | 5.9                |
| 12/26/1998 | 6.2        | 0.4                       | 5.8                |
| 12/27/1998 | 6.2        | 0.4                       | 5.8                |
| 12/28/1998 | 6.3        | 0.6                       | 5.7                |
| 12/29/1998 | 6.1        | 0.5                       | 5.6                |
| 12/30/1998 | 5.9        | 0.4                       | 5.5                |
| 12/31/1998 | 5.7        | 0.3                       | 5.4                |
| 1/1/1999   | 5.6        | 0.2                       | 5.4                |
| 1/2/1999   | 5.8        | 0.5                       | 5.3                |
| 1/3/1999   | 14         | 8.2                       | 5.8                |
| 1/4/1999   | 8          | 2.1                       | 5.9                |
| 1/5/1999   | 8          | 2.1                       | 5.9                |
| 1/6/1999   | 6.4        | 0.5                       | 5.9                |
| 1/7/1999   | 6.1        | 0.3                       | 5.8                |
| 1/8/1999   | 6.3        | 0.6                       | 5.7                |
| 1/9/1999   | 6.1        | 0.5                       | 5.6                |
| 1/10/1999  | 5.7        | 0.2                       | 5.5                |
| 1/11/1999  | 5.5        | 0.1                       | 5.4                |
| 1/12/1999  | 6.1        | 0.7                       | 5.4                |
| 1/13/1999  | 5.6        | 0.3                       | 5.3                |
| 1/14/1999  | 5.2        | 0.0                       | 5.2                |
| 1/15/1999  | 5.6        | 0.5                       | 5.1                |
| 1/16/1999  | 5.3        | 0.3                       | 5.0                |
| 1/17/1999  | 5.1        | 0.2                       | 4.9                |
| 1/18/1999  | 5.8        | 0.9                       | 4.9                |
| 1/19/1999  | 5.4        | 0.5                       | 4.9                |
| 1/20/1999  | 5.1        | 0.3                       | 4.8                |
| 1/21/1999  | 5          | 0.3                       | 4.7                |
| 1/22/1999  | 5          | 0.3                       | 4.7                |
| 1/23/1999  | 5          | 0.4                       | 4.6                |
| 1/24/1999  | 6.5        | 1.9                       | 4.6                |
| 1/25/1999  | 5.4        | 0.8                       | 4.6                |
| 1/26/1999  | 5.7        | 1.1                       | 4.6                |
| 1/27/1999  | 6.4        | 1.7                       | 4.7                |
| 1/28/1999  | 5.1        | 0.5                       | 4.6                |
| 1/29/1999  | 5.4        | 0.8                       | 4.6                |
| 1/30/1999  | 5.5        | 0.9                       | 4.6                |
| 1/31/1999  | 9.3        | 4.5                       | 4.8                |
| 2/1/1999   | 12         | 6.7                       | 5.3                |
| 2/2/1999   | 9.8        | 4.3                       | 5.5                |
| 2/3/1999   | 8.4        | 2.8                       | 5.6                |
| 2/4/1999   | 7.6        | 1.9                       | 5.7                |
| 2/5/1999   | 7.3        | 1.6                       | 5.7                |
| 2/6/1999   | 7.1        | 1.4                       | 5.7                |
| 2/7/1999   | 7.1        | 1.4                       | 5.7                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/20/1998 | 39         | 6.1                       | 32.9               |
| 12/21/1998 | 41         | 8.1                       | 32.9               |
| 12/22/1998 | 42         | 9.0                       | 33.0               |
| 12/23/1998 | 42         | 8.9                       | 33.1               |
| 12/24/1998 | 42         | 8.8                       | 33.2               |
| 12/25/1998 | 41         | 7.9                       | 33.1               |
| 12/26/1998 | 40         | 7.1                       | 32.9               |
| 12/27/1998 | 38         | 5.5                       | 32.5               |
| 12/28/1998 | 39         | 6.7                       | 32.3               |
| 12/29/1998 | 36         | 4.3                       | 31.7               |
| 12/30/1998 | 34         | 3.1                       | 30.9               |
| 12/31/1998 | 35         | 4.6                       | 30.4               |
| 1/1/1999   | 38         | 7.6                       | 30.4               |
| 1/2/1999   | 41         | 10.2                      | 30.8               |
| 1/3/1999   | 52         | 19.3                      | 32.7               |
| 1/4/1999   | 54         | 19.5                      | 34.5               |
| 1/5/1999   | 49         | 13.7                      | 35.3               |
| 1/6/1999   | 44         | 8.7                       | 35.3               |
| 1/7/1999   | 42         | 7.0                       | 35.0               |
| 1/8/1999   | 40         | 5.5                       | 34.5               |
| 1/9/1999   | 39         | 5.1                       | 33.9               |
| 1/10/1999  | 36         | 3.0                       | 33.0               |
| 1/11/1999  | 35         | 2.8                       | 32.2               |
| 1/12/1999  | 38         | 6.1                       | 31.9               |
| 1/13/1999  | 37         | 5.5                       | 31.5               |
| 1/14/1999  | 37         | 5.9                       | 31.1               |
| 1/15/1999  | 36         | 5.3                       | 30.7               |
| 1/16/1999  | 36         | 5.6                       | 30.4               |
| 1/17/1999  | 35         | 5.0                       | 30.0               |
| 1/18/1999  | 34         | 4.5                       | 29.5               |
| 1/19/1999  | 33         | 4.0                       | 29.0               |
| 1/20/1999  | 34         | 5.3                       | 28.7               |
| 1/21/1999  | 33         | 4.7                       | 28.3               |
| 1/22/1999  | 32         | 4.2                       | 27.8               |
| 1/23/1999  | 32         | 4.6                       | 27.4               |
| 1/24/1999  | 38         | 10.1                      | 27.9               |
| 1/25/1999  | 45         | 15.7                      | 29.3               |
| 1/26/1999  | 46         | 15.4                      | 30.6               |
| 1/27/1999  | 42         | 10.9                      | 31.1               |
| 1/28/1999  | 39         | 7.9                       | 31.1               |
| 1/29/1999  | 37         | 6.1                       | 30.9               |
| 1/30/1999  | 36         | 5.5                       | 30.5               |
| 1/31/1999  | 38         | 7.5                       | 30.5               |
| 2/1/1999   | 53         | 20.4                      | 32.6               |
| 2/2/1999   | 56         | 21.3                      | 34.7               |
| 2/3/1999   | 63         | 25.6                      | 37.4               |
| 2/4/1999   | 74         | 32.9                      | 41.1               |
| 2/5/1999   | 59         | 16.8                      | 42.2               |
| 2/6/1999   | 44         | 3.0                       | 41.0               |
| 2/7/1999   | 37         | 0.0                       | 37.0               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/20/1998 | 20         | 0.5                       | 19.5               |
| 12/21/1998 | 20         | 0.7                       | 19.3               |
| 12/22/1998 | 21         | 1.8                       | 19.2               |
| 12/23/1998 | 20         | 1.0                       | 19.0               |
| 12/24/1998 | 19         | 0.2                       | 18.8               |
| 12/25/1998 | 19         | 0.3                       | 18.7               |
| 12/26/1998 | 19         | 0.5                       | 18.5               |
| 12/27/1998 | 18         | 0.0                       | 18.0               |
| 12/28/1998 | 18         | 0.2                       | 17.8               |
| 12/29/1998 | 19         | 1.3                       | 17.7               |
| 12/30/1998 | 20         | 2.4                       | 17.6               |
| 12/31/1998 | 19         | 1.5                       | 17.5               |
| 1/1/1999   | 19         | 1.6                       | 17.4               |
| 1/2/1999   | 19         | 1.7                       | 17.3               |
| 1/3/1999   | 26         | 8.5                       | 17.5               |
| 1/4/1999   | 26         | 8.4                       | 17.6               |
| 1/5/1999   | 24         | 6.3                       | 17.7               |
| 1/6/1999   | 23         | 5.3                       | 17.7               |
| 1/7/1999   | 22         | 4.2                       | 17.8               |
| 1/8/1999   | 21         | 3.3                       | 17.7               |
| 1/10/1999  | 20         | 2.4                       | 17.6               |
| 1/11/1999  | 19         | 1.5                       | 17.5               |
| 1/12/1999  | 19         | 1.6                       | 17.4               |
| 1/13/1999  | 18         | 0.7                       | 17.3               |
| 1/14/1999  | 19         | 1.8                       | 17.2               |
| 1/15/1999  | 19         | 1.9                       | 17.1               |
| 1/16/1999  | 18         | 1.1                       | 16.9               |
| 1/17/1999  | 18         | 1.2                       | 16.8               |
| 1/18/1999  | 17         | 0.3                       | 16.7               |
| 1/19/1999  | 17         | 0.5                       | 16.5               |
| 1/20/1999  | 18         | 1.6                       | 16.4               |
| 1/21/1999  | 17         | 0.7                       | 16.3               |
| 1/22/1999  | 16         | 0.0                       | 16.0               |
| 1/23/1999  | 16         | 0.2                       | 15.8               |
| 1/24/1999  | 18         | 2.2                       | 15.8               |
| 1/25/1999  | 18         | 2.3                       | 15.7               |
| 1/26/1999  | 16         | 0.4                       | 15.6               |
| 1/27/1999  | 15         | 0.0                       | 15.0               |
| 1/28/1999  | 15         | 0.1                       | 14.9               |
| 1/29/1999  | 15         | 0.3                       | 14.7               |
| 1/30/1999  | 15         | 0.4                       | 14.6               |
| 1/31/1999  | 16         | 1.5                       | 14.5               |
| 2/1/1999   | 20         | 5.4                       | 14.6               |
| 2/2/1999   | 20         | 5.4                       | 14.6               |
| 2/3/1999   | 21         | 6.3                       | 14.7               |
| 2/4/1999   | 19         | 4.2                       | 14.8               |
| 2/5/1999   | 18         | 3.2                       | 14.8               |
| 2/6/1999   | 18         | 3.3                       | 14.7               |
| 2/7/1999   | 17         | 2.3                       | 14.7               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/20/1998 | 44         | 2.1                       | 41.9               |
| 12/21/1998 | 46         | 4.5                       | 41.5               |
| 12/22/1998 | 53         | 11.5                      | 41.5               |
| 12/23/1998 | 47         | 5.8                       | 41.2               |
| 12/24/1998 | 43         | 2.4                       | 40.6               |
| 12/25/1998 | 41         | 1.2                       | 39.8               |
| 12/26/1998 | 41         | 1.8                       | 39.2               |
| 12/27/1998 | 40         | 1.5                       | 38.5               |
| 12/28/1998 | 38         | 0.2                       | 37.8               |
| 12/29/1998 | 38         | 0.9                       | 37.1               |
| 12/30/1998 | 44         | 7.1                       | 36.9               |
| 12/31/1998 | 40         | 3.5                       | 36.5               |
| 1/1/1999   | 41         | 4.9                       | 36.1               |
| 1/2/1999   | 43         | 7.0                       | 36.0               |
| 1/3/1999   | 64         | 26.6                      | 37.4               |
| 1/4/1999   | 58         | 19.8                      | 38.2               |
| 1/5/1999   | 56         | 17.2                      | 38.8               |
| 1/6/1999   | 58         | 18.5                      | 39.5               |
| 1/7/1999   | 58         | 17.8                      | 40.2               |
| 1/8/1999   | 61         | 20.0                      | 41.0               |
| 1/9/1999   | 53         | 11.9                      | 41.1               |
| 1/10/1999  | 43         | 2.5                       | 40.5               |
| 1/11/1999  | 40         | 0.3                       | 39.7               |
| 1/12/1999  | 48         | 8.4                       | 39.6               |
| 1/13/1999  | 60         | 19.7                      | 40.3               |
| 1/14/1999  | 63         | 21.7                      | 41.3               |
| 1/15/1999  | 54         | 12.5                      | 41.5               |
| 1/16/1999  | 48         | 6.8                       | 41.2               |
| 1/17/1999  | 33         | 0.0                       | 33.0               |
| 1/18/1999  | 35         | 2.5                       | 32.5               |
| 1/19/1999  | 45         | 12.1                      | 32.9               |
| 1/20/1999  | 51         | 17.4                      | 33.6               |
| 1/21/1999  | 57         | 22.3                      | 34.7               |
| 1/22/1999  | 45         | 10.2                      | 34.8               |
| 1/23/1999  | 40         | 5.4                       | 34.6               |
| 1/24/1999  | 48         | 13.1                      | 34.9               |
| 1/25/1999  | 58         | 22.0                      | 36.0               |
| 1/26/1999  | 45         | 9.0                       | 36.0               |
| 1/27/1999  | 38         | 2.5                       | 35.5               |
| 1/28/1999  | 47         | 11.3                      | 35.7               |
| 1/29/1999  | 45         | 9.3                       | 35.7               |
| 1/30/1999  | 46         | 10.2                      | 35.8               |
| 1/31/1999  | 34         | 0.0                       | 34.0               |
| 2/1/1999   | 44         | 9.9                       | 34.1               |
| 2/2/1999   | 51         | 16.3                      | 34.7               |
| 2/3/1999   | 60         | 24.0                      | 36.0               |
| 2/4/1999   | 53         | 16.4                      | 36.6               |
| 2/5/1999   | 48         | 11.3                      | 36.7               |
| 2/6/1999   | 46         | 9.3                       | 36.7               |
| 2/7/1999   | 50         | 13.0                      | 37.0               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/8/2008  | 25.2       | 7.6                       | 17.6               |
| 8/9/2008  | 22.6       | 5.0                       | 17.6               |
| 8/10/2008 | 22         | 4.4                       | 17.6               |
| 8/11/2008 | 21         | 3.5                       | 17.5               |
| 8/12/2008 | 19.5       | 2.1                       | 17.4               |
| 8/13/2008 | 15.9       | 0.0                       | 15.9               |
| 8/14/2008 | 17         | 1.3                       | 15.7               |
| 8/15/2008 | 20.7       | 4.9                       | 15.8               |
| 8/16/2008 | 48.2       | 30.3                      | 17.9               |
| 8/17/2008 | 28.8       | 10.4                      | 18.4               |
| 8/18/2008 | 22.6       | 4.3                       | 18.3               |
| 8/19/2008 | 284.5      | 246.8                     | 37.7               |
| 8/20/2008 | 1427.6     | 1287.6                    | 140.0              |
| 8/21/2008 | 673.4      | 496.5                     | 176.9              |
| 8/22/2008 | 273.9      | 93.1                      | 180.8              |
| 8/23/2008 | 160.8      | 0.0                       | 160.8              |
| 8/24/2008 | 115.8      | 0.0                       | 115.8              |
| 8/25/2008 | 91.2       | 0.0                       | 91.2               |
| 8/26/2008 | 76.1       | 0.0                       | 76.1               |
| 8/27/2008 | 70.2       | 0.0                       | 70.2               |
| 8/28/2008 | 78.9       | 9.4                       | 69.5               |
| 8/29/2008 | 68.3       | 0.1                       | 68.2               |
| 8/30/2008 | 69.5       | 2.5                       | 67.0               |
| 8/31/2008 | 78.9       | 12.3                      | 66.6               |
| 9/1/2008  | 73.5       | 7.6                       | 65.9               |
| 9/2/2008  | 74.1       | 8.8                       | 65.3               |
| 9/3/2008  | 71.5       | 6.9                       | 64.6               |
| 9/4/2008  | 70.8       | 7.0                       | 63.8               |
| 9/5/2008  | 115        | 48.6                      | 66.4               |
| 9/6/2008  | 76.1       | 10.2                      | 65.9               |
| 9/7/2008  | 68.3       | 3.4                       | 64.9               |
| 9/8/2008  | 59.1       | 0.0                       | 59.1               |
| 9/9/2008  | 53         | 0.0                       | 53.0               |
| 9/10/2008 | 50.3       | 0.0                       | 50.3               |
| 9/11/2008 | 47.2       | 0.0                       | 47.2               |
| 9/12/2008 | 46.2       | 0.0                       | 46.2               |
| 9/13/2008 | 44.7       | 0.0                       | 44.7               |
| 9/14/2008 | 42.8       | 0.0                       | 42.8               |
| 9/15/2008 | 42.8       | 0.8                       | 42.0               |
| 9/16/2008 | 42.8       | 1.5                       | 41.3               |
| 9/17/2008 | 41.4       | 0.9                       | 40.5               |
| 9/18/2008 | 46.2       | 6.0                       | 40.2               |
| 9/19/2008 | 51.4       | 11.1                      | 40.3               |
| 9/20/2008 | 49.3       | 9.1                       | 40.2               |
| 9/21/2008 | 51.9       | 11.6                      | 40.3               |
| 9/22/2008 | 58         | 17.1                      | 40.9               |
| 9/23/2008 | 69.5       | 27.2                      | 42.3               |
| 9/24/2008 | 99         | 53.3                      | 45.7               |
| 9/25/2008 | 85.3       | 37.5                      | 47.8               |
| 9/26/2008 | 78.2       | 29.1                      | 49.1               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/8/1999  | 7.4        | 1.7                       | 5.7                |
| 2/9/1999  | 7.6        | 1.9                       | 5.7                |
| 2/10/1999 | 7.5        | 1.7                       | 5.8                |
| 2/11/1999 | 7.6        | 1.8                       | 5.8                |
| 2/12/1999 | 7.3        | 1.5                       | 5.8                |
| 2/13/1999 | 7.7        | 1.9                       | 5.8                |
| 2/14/1999 | 7.1        | 1.3                       | 5.8                |
| 2/15/1999 | 7.2        | 1.4                       | 5.8                |
| 2/16/1999 | 6.7        | 0.9                       | 5.8                |
| 2/17/1999 | 6.8        | 1.1                       | 5.7                |
| 2/18/1999 | 6.7        | 1.0                       | 5.7                |
| 2/19/1999 | 6.6        | 0.9                       | 5.7                |
| 2/20/1999 | 6.3        | 0.7                       | 5.6                |
| 2/21/1999 | 6.1        | 0.6                       | 5.5                |
| 2/22/1999 | 6.1        | 0.6                       | 5.5                |
| 2/23/1999 | 6.1        | 0.7                       | 5.4                |
| 2/24/1999 | 5.9        | 0.5                       | 5.4                |
| 2/25/1999 | 5.8        | 0.5                       | 5.3                |
| 2/26/1999 | 5.9        | 0.7                       | 5.2                |
| 2/27/1999 | 6          | 0.8                       | 5.2                |
| 2/28/1999 | 5.8        | 0.7                       | 5.1                |
| 3/1/1999  | 5.3        | 0.2                       | 5.1                |
| 3/2/1999  | 5.8        | 0.8                       | 5.0                |
| 3/3/1999  | 5.4        | 0.4                       | 5.0                |
| 3/4/1999  | 5.4        | 0.5                       | 4.9                |
| 3/5/1999  | 5.3        | 0.5                       | 4.8                |
| 3/6/1999  | 5.3        | 0.5                       | 4.8                |
| 3/7/1999  | 5.4        | 0.7                       | 4.7                |
| 3/8/1999  | 5.3        | 0.6                       | 4.7                |
| 3/9/1999  | 5.1        | 0.5                       | 4.6                |
| 3/10/1999 | 5.2        | 0.6                       | 4.6                |
| 3/11/1999 | 5.5        | 0.9                       | 4.6                |
| 3/12/1999 | 5.5        | 0.9                       | 4.6                |
| 3/13/1999 | 5.6        | 1.0                       | 4.6                |
| 3/14/1999 | 7.6        | 2.9                       | 4.7                |
| 3/15/1999 | 7.3        | 2.5                       | 4.8                |
| 3/16/1999 | 6          | 1.2                       | 4.8                |
| 3/17/1999 | 5.8        | 1.0                       | 4.8                |
| 3/18/1999 | 5.7        | 0.9                       | 4.8                |
| 3/19/1999 | 5.6        | 0.9                       | 4.7                |
| 3/20/1999 | 5.5        | 0.8                       | 4.7                |
| 3/21/1999 | 5.5        | 0.8                       | 4.7                |
| 3/22/1999 | 5.2        | 0.6                       | 4.6                |
| 3/23/1999 | 4.2        | 0.0                       | 4.2                |
| 3/24/1999 | 3.1        | 0.0                       | 3.1                |
| 3/25/1999 | 3.1        | 0.1                       | 3.0                |
| 3/26/1999 | 4          | 0.9                       | 3.1                |
| 3/27/1999 | 3.4        | 0.4                       | 3.0                |
| 3/28/1999 | 3.1        | 0.1                       | 3.0                |
| 3/29/1999 | 3.1        | 0.2                       | 2.9                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/8/1999  | 35         | 0.0                       | 35.0               |
| 2/9/1999  | 34         | 0.3                       | 33.7               |
| 2/10/1999 | 33         | 0.6                       | 32.4               |
| 2/11/1999 | 32         | 0.8                       | 31.2               |
| 2/12/1999 | 32         | 1.7                       | 30.3               |
| 2/13/1999 | 30         | 0.8                       | 29.2               |
| 2/14/1999 | 28         | 0.0                       | 28.0               |
| 2/15/1999 | 30         | 2.7                       | 27.3               |
| 2/16/1999 | 31         | 4.1                       | 26.9               |
| 2/17/1999 | 31         | 4.5                       | 26.5               |
| 2/18/1999 | 29         | 3.1                       | 25.9               |
| 2/19/1999 | 27         | 1.8                       | 25.2               |
| 2/20/1999 | 23         | 0.0                       | 23.0               |
| 2/21/1999 | 21         | 0.0                       | 21.0               |
| 2/22/1999 | 17         | 0.0                       | 17.0               |
| 2/23/1999 | 19         | 2.3                       | 16.7               |
| 2/24/1999 | 20         | 3.4                       | 16.6               |
| 2/25/1999 | 18         | 1.8                       | 16.2               |
| 2/26/1999 | 18         | 2.1                       | 15.9               |
| 2/27/1999 | 20         | 4.1                       | 15.9               |
| 2/28/1999 | 21         | 4.9                       | 16.1               |
| 3/1/1999  | 19         | 3.1                       | 15.9               |
| 3/2/1999  | 19         | 3.2                       | 15.8               |
| 3/3/1999  | 20         | 4.2                       | 15.8               |
| 3/4/1999  | 21         | 5.0                       | 16.0               |
| 3/5/1999  | 23         | 6.6                       | 16.4               |
| 3/6/1999  | 24         | 7.1                       | 16.9               |
| 3/7/1999  | 24         | 6.7                       | 17.3               |
| 3/8/1999  | 25         | 7.2                       | 17.8               |
| 3/9/1999  | 23         | 5.1                       | 17.9               |
| 3/10/1999 | 19         | 1.6                       | 17.4               |
| 3/11/1999 | 17         | 0.2                       | 16.8               |
| 3/12/1999 | 18         | 1.7                       | 16.3               |
| 3/13/1999 | 17         | 1.1                       | 15.9               |
| 3/14/1999 | 19         | 3.2                       | 15.8               |
| 3/15/1999 | 17         | 1.6                       | 15.4               |
| 3/16/1999 | 15         | 0.2                       | 14.8               |
| 3/17/1999 | 18         | 3.3                       | 14.7               |
| 3/18/1999 | 18         | 3.3                       | 14.7               |
| 3/19/1999 | 16         | 1.6                       | 14.4               |
| 3/20/1999 | 17         | 2.8                       | 14.2               |
| 3/21/1999 | 19         | 4.6                       | 14.4               |
| 3/22/1999 | 19         | 4.5                       | 14.5               |
| 3/23/1999 | 21         | 6.1                       | 14.9               |
| 3/24/1999 | 21         | 5.8                       | 15.2               |
| 3/25/1999 | 21         | 5.5                       | 15.5               |
| 3/26/1999 | 20         | 4.4                       | 15.6               |
| 3/27/1999 | 19         | 3.5                       | 15.5               |
| 3/28/1999 | 21         | 5.3                       | 15.7               |
| 3/29/1999 | 21         | 5.1                       | 15.9               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/8/1999  | 16         | 1.4                       | 14.6               |
| 2/9/1999  | 16         | 1.5                       | 14.5               |
| 2/10/1999 | 16         | 1.6                       | 14.4               |
| 2/11/1999 | 15         | 0.7                       | 14.3               |
| 2/12/1999 | 15         | 0.8                       | 14.2               |
| 2/13/1999 | 14         | 0.0                       | 14.0               |
| 2/14/1999 | 13         | 0.0                       | 13.0               |
| 2/15/1999 | 13         | 0.1                       | 12.9               |
| 2/16/1999 | 13         | 0.2                       | 12.8               |
| 2/17/1999 | 13         | 0.4                       | 12.6               |
| 2/18/1999 | 14         | 1.4                       | 12.6               |
| 2/19/1999 | 14         | 1.5                       | 12.5               |
| 2/20/1999 | 13         | 0.6                       | 12.4               |
| 2/21/1999 | 13         | 0.7                       | 12.3               |
| 2/22/1999 | 12         | 0.0                       | 12.0               |
| 2/23/1999 | 13         | 1.1                       | 11.9               |
| 2/24/1999 | 13         | 1.2                       | 11.8               |
| 2/25/1999 | 13         | 1.2                       | 11.8               |
| 2/26/1999 | 12         | 0.3                       | 11.7               |
| 2/27/1999 | 12         | 0.4                       | 11.6               |
| 2/28/1999 | 12         | 0.5                       | 11.5               |
| 3/1/1999  | 12         | 0.6                       | 11.4               |
| 3/2/1999  | 11         | 0.0                       | 11.0               |
| 3/3/1999  | 11         | 0.1                       | 10.9               |
| 3/4/1999  | 11         | 0.2                       | 10.8               |
| 3/5/1999  | 11         | 0.3                       | 10.7               |
| 3/6/1999  | 11         | 0.4                       | 10.6               |
| 3/7/1999  | 11         | 0.5                       | 10.5               |
| 3/8/1999  | 11         | 0.6                       | 10.4               |
| 3/9/1999  | 11         | 0.6                       | 10.4               |
| 3/10/1999 | 11         | 0.7                       | 10.3               |
| 3/11/1999 | 11         | 0.8                       | 10.2               |
| 3/12/1999 | 11         | 0.9                       | 10.1               |
| 3/13/1999 | 11         | 0.9                       | 10.1               |
| 3/14/1999 | 11         | 1.0                       | 10.0               |
| 3/15/1999 | 12         | 2.0                       | 10.0               |
| 3/16/1999 | 11         | 1.1                       | 9.9                |
| 3/17/1999 | 11         | 1.1                       | 9.9                |
| 3/18/1999 | 12         | 2.1                       | 9.9                |
| 3/19/1999 | 12         | 2.1                       | 9.9                |
| 3/20/1999 | 11         | 1.2                       | 9.8                |
| 3/21/1999 | 11         | 1.2                       | 9.8                |
| 3/22/1999 | 10         | 0.3                       | 9.7                |
| 3/23/1999 | 10         | 0.4                       | 9.6                |
| 3/24/1999 | 10         | 0.5                       | 9.5                |
| 3/25/1999 | 10         | 0.6                       | 9.4                |
| 3/26/1999 | 10         | 0.6                       | 9.4                |
| 3/27/1999 | 9.5        | 0.2                       | 9.3                |
| 3/28/1999 | 8.8        | 0.0                       | 8.8                |
| 3/29/1999 | 7.8        | 0.0                       | 7.8                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/8/1999  | 53         | 15.5                      | 37.5               |
| 2/9/1999  | 47         | 9.5                       | 37.5               |
| 2/10/1999 | 47         | 9.5                       | 37.5               |
| 2/11/1999 | 51         | 13.2                      | 37.8               |
| 2/12/1999 | 46         | 8.3                       | 37.7               |
| 2/13/1999 | 50         | 12.0                      | 38.0               |
| 2/14/1999 | 54         | 15.6                      | 38.4               |
| 2/15/1999 | 59         | 19.7                      | 39.3               |
| 2/16/1999 | 51         | 11.6                      | 39.4               |
| 2/17/1999 | 40         | 1.3                       | 38.7               |
| 2/18/1999 | 40         | 1.9                       | 38.1               |
| 2/19/1999 | 36         | 0.0                       | 36.0               |
| 2/20/1999 | 40         | 4.4                       | 35.6               |
| 2/21/1999 | 50         | 14.0                      | 36.0               |
| 2/22/1999 | 56         | 19.2                      | 36.8               |
| 2/23/1999 | 53         | 15.6                      | 37.4               |
| 2/24/1999 | 38         | 1.3                       | 36.7               |
| 2/25/1999 | 29         | 0.0                       | 29.0               |
| 2/26/1999 | 31         | 2.4                       | 28.6               |
| 2/27/1999 | 35         | 6.4                       | 28.6               |
| 2/28/1999 | 43         | 13.9                      | 29.1               |
| 3/1/1999  | 48         | 18.0                      | 30.0               |
| 3/2/1999  | 41         | 10.8                      | 30.2               |
| 3/3/1999  | 38         | 7.8                       | 30.2               |
| 3/4/1999  | 45         | 14.2                      | 30.8               |
| 3/5/1999  | 41         | 10.0                      | 31.0               |
| 3/6/1999  | 39         | 8.0                       | 31.0               |
| 3/7/1999  | 43         | 11.7                      | 31.3               |
| 3/8/1999  | 48         | 16.0                      | 32.0               |
| 3/9/1999  | 49         | 16.4                      | 32.6               |
| 3/10/1999 | 41         | 8.4                       | 32.6               |
| 3/11/1999 | 38         | 5.6                       | 32.4               |
| 3/12/1999 | 37         | 4.8                       | 32.2               |
| 3/13/1999 | 42         | 9.7                       | 32.3               |
| 3/14/1999 | 46         | 13.3                      | 32.7               |
| 3/15/1999 | 46         | 12.9                      | 33.1               |
| 3/16/1999 | 44         | 10.7                      | 33.3               |
| 3/17/1999 | 41         | 7.8                       | 33.2               |
| 3/18/1999 | 35         | 2.2                       | 32.8               |
| 3/19/1999 | 40         | 7.3                       | 32.7               |
| 3/20/1999 | 35         | 2.7                       | 32.3               |
| 3/21/1999 | 32         | 0.4                       | 31.6               |
| 3/22/1999 | 30         | 0.0                       | 30.0               |
| 3/23/1999 | 30         | 0.6                       | 29.4               |
| 3/24/1999 | 33         | 3.8                       | 29.2               |
| 3/25/1999 | 37         | 7.8                       | 29.2               |
| 3/26/1999 | 36         | 6.8                       | 29.2               |
| 3/27/1999 | 38         | 8.7                       | 29.3               |
| 3/28/1999 | 34         | 4.9                       | 29.1               |
| 3/29/1999 | 36         | 6.9                       | 29.1               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/27/2008  | 77.5       | 27.2                      | 50.3               |
| 9/28/2008  | 78.9       | 27.4                      | 51.5               |
| 9/29/2008  | 86.8       | 33.6                      | 53.2               |
| 9/30/2008  | 74.1       | 20.4                      | 53.7               |
| 10/1/2008  | 65.1       | 11.5                      | 53.6               |
| 10/2/2008  | 62.7       | 9.4                       | 53.3               |
| 10/3/2008  | 63.3       | 10.3                      | 53.0               |
| 10/4/2008  | 54.1       | 2.0                       | 52.1               |
| 10/5/2008  | 54.1       | 2.8                       | 51.3               |
| 10/6/2008  | 50.3       | 0.0                       | 50.3               |
| 10/7/2008  | 103.1      | 48.8                      | 53.3               |
| 10/8/2008  | 195.3      | 132.5                     | 62.8               |
| 10/9/2008  | 115.8      | 50.2                      | 65.6               |
| 10/10/2008 | 106.4      | 39.0                      | 67.4               |
| 10/11/2008 | 85.3       | 17.9                      | 67.4               |
| 10/12/2008 | 94.3       | 26.1                      | 68.2               |
| 10/13/2008 | 91.2       | 22.6                      | 68.6               |
| 10/14/2008 | 85.3       | 16.7                      | 68.6               |
| 10/15/2008 | 73.5       | 5.8                       | 67.7               |
| 10/16/2008 | 63.3       | 0.0                       | 63.3               |
| 10/17/2008 | 54.1       | 0.0                       | 54.1               |
| 10/18/2008 | 46.7       | 0.0                       | 46.7               |
| 10/19/2008 | 57.4       | 10.8                      | 46.6               |
| 10/20/2008 | 51.9       | 5.7                       | 46.2               |
| 10/21/2008 | 50.8       | 5.2                       | 45.6               |
| 10/22/2008 | 54.1       | 8.7                       | 45.4               |
| 10/23/2008 | 54.6       | 9.3                       | 45.3               |
| 10/24/2008 | 59.7       | 14.2                      | 45.5               |
| 10/25/2008 | 69.5       | 23.1                      | 46.4               |
| 10/26/2008 | 76.1       | 28.3                      | 47.8               |
| 10/27/2008 | 65.1       | 16.9                      | 48.2               |
| 10/28/2008 | 69.5       | 20.6                      | 48.9               |
| 10/29/2008 | 53.5       | 5.2                       | 48.3               |
| 10/30/2008 | 46.2       | 0.0                       | 46.2               |
| 10/31/2008 | 43.3       | 0.0                       | 43.3               |
| 11/1/2008  | 38.6       | 0.0                       | 38.6               |
| 11/2/2008  | 63.9       | 24.1                      | 39.8               |
| 11/3/2008  | 47.2       | 7.6                       | 39.6               |
| 11/4/2008  | 46.7       | 7.3                       | 39.4               |
| 11/5/2008  | 42.3       | 3.4                       | 38.9               |
| 11/6/2008  | 42.8       | 4.4                       | 38.4               |
| 11/7/2008  | 42.3       | 4.3                       | 38.0               |
| 11/8/2008  | 37.3       | 0.1                       | 37.2               |
| 11/9/2008  | 37.8       | 1.2                       | 36.6               |
| 11/10/2008 | 36         | 0.1                       | 35.9               |
| 11/11/2008 | 35.6       | 0.4                       | 35.2               |
| 11/12/2008 | 35.6       | 1.0                       | 34.6               |
| 11/13/2008 | 32.3       | 0.0                       | 32.3               |
| 11/14/2008 | 31.1       | 0.0                       | 31.1               |
| 11/15/2008 | 28.8       | 0.0                       | 28.8               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/30/1999 | 3.1        | 0.2                       | 2.9                |
| 3/31/1999 | 3.1        | 0.2                       | 2.9                |
| 4/1/1999  | 3.1        | 0.3                       | 2.8                |
| 4/2/1999  | 3          | 0.2                       | 2.8                |
| 4/3/1999  | 3          | 0.3                       | 2.7                |
| 4/4/1999  | 3          | 0.3                       | 2.7                |
| 4/5/1999  | 3.1        | 0.4                       | 2.7                |
| 4/6/1999  | 3.1        | 0.4                       | 2.7                |
| 4/7/1999  | 3.1        | 0.4                       | 2.7                |
| 4/8/1999  | 3.4        | 0.7                       | 2.7                |
| 4/9/1999  | 3.1        | 0.5                       | 2.6                |
| 4/10/1999 | 2.9        | 0.3                       | 2.6                |
| 4/11/1999 | 3          | 0.4                       | 2.6                |
| 4/12/1999 | 2.8        | 0.2                       | 2.6                |
| 4/13/1999 | 3.6        | 1.0                       | 2.6                |
| 4/14/1999 | 3.7        | 1.1                       | 2.6                |
| 4/15/1999 | 3.2        | 0.6                       | 2.6                |
| 4/16/1999 | 2.9        | 0.3                       | 2.6                |
| 4/17/1999 | 5.1        | 2.4                       | 2.7                |
| 4/18/1999 | 4.1        | 1.3                       | 2.8                |
| 4/19/1999 | 3.8        | 1.0                       | 2.8                |
| 4/20/1999 | 3.5        | 0.7                       | 2.8                |
| 4/21/1999 | 3.6        | 0.8                       | 2.8                |
| 4/22/1999 | 3.2        | 0.4                       | 2.8                |
| 4/23/1999 | 3.5        | 0.7                       | 2.8                |
| 4/24/1999 | 3          | 0.2                       | 2.8                |
| 4/25/1999 | 3.1        | 0.4                       | 2.7                |
| 4/26/1999 | 3          | 0.3                       | 2.7                |
| 4/27/1999 | 3.1        | 0.4                       | 2.7                |
| 4/28/1999 | 6.7        | 3.8                       | 2.9                |
| 4/29/1999 | 7.4        | 4.2                       | 3.2                |
| 4/30/1999 | 5.1        | 1.8                       | 3.3                |
| 5/1/1999  | 4.4        | 1.1                       | 3.3                |
| 5/2/1999  | 4          | 0.7                       | 3.3                |
| 5/3/1999  | 3.8        | 0.5                       | 3.3                |
| 5/4/1999  | 3.7        | 0.5                       | 3.2                |
| 5/5/1999  | 3.7        | 0.5                       | 3.2                |
| 5/6/1999  | 3.5        | 0.3                       | 3.2                |
| 5/7/1999  | 3.8        | 0.6                       | 3.2                |
| 5/8/1999  | 7          | 3.6                       | 3.4                |
| 5/9/1999  | 26         | 21.0                      | 5.0                |
| 5/10/1999 | 15         | 9.3                       | 5.7                |
| 5/11/1999 | 8.9        | 3.1                       | 5.8                |
| 5/12/1999 | 6.6        | 0.9                       | 5.7                |
| 5/13/1999 | 6.2        | 0.5                       | 5.7                |
| 5/14/1999 | 6          | 0.4                       | 5.6                |
| 5/15/1999 | 5.1        | 0.0                       | 5.1                |
| 5/16/1999 | 5.2        | 0.2                       | 5.0                |
| 5/17/1999 | 4.9        | 0.0                       | 4.9                |
| 5/18/1999 | 4.4        | 0.0                       | 4.4                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/30/1999 | 20         | 4.1                       | 15.9               |
| 3/31/1999 | 19         | 3.2                       | 15.8               |
| 4/1/1999  | 18         | 2.4                       | 15.6               |
| 4/2/1999  | 19         | 3.5                       | 15.5               |
| 4/3/1999  | 19         | 3.5                       | 15.5               |
| 4/4/1999  | 21         | 5.3                       | 15.7               |
| 4/5/1999  | 20         | 4.3                       | 15.7               |
| 4/6/1999  | 19         | 3.4                       | 15.6               |
| 4/7/1999  | 19         | 3.4                       | 15.6               |
| 4/8/1999  | 18         | 2.6                       | 15.4               |
| 4/9/1999  | 19         | 3.7                       | 15.3               |
| 4/10/1999 | 20         | 4.5                       | 15.5               |
| 4/11/1999 | 20         | 4.5                       | 15.5               |
| 4/12/1999 | 18         | 2.7                       | 15.3               |
| 4/13/1999 | 13         | 0.0                       | 13.0               |
| 4/14/1999 | 13         | 0.4                       | 12.6               |
| 4/15/1999 | 14         | 1.7                       | 12.3               |
| 4/16/1999 | 12         | 0.2                       | 11.8               |
| 4/17/1999 | 12         | 0.5                       | 11.5               |
| 4/18/1999 | 16         | 4.3                       | 11.7               |
| 4/19/1999 | 16         | 4.1                       | 11.9               |
| 4/20/1999 | 16         | 4.0                       | 12.0               |
| 4/21/1999 | 17         | 4.7                       | 12.3               |
| 4/22/1999 | 18         | 5.3                       | 12.7               |
| 4/23/1999 | 18         | 5.0                       | 13.0               |
| 4/24/1999 | 19         | 5.6                       | 13.4               |
| 4/25/1999 | 16         | 2.7                       | 13.3               |
| 4/26/1999 | 14         | 1.1                       | 12.9               |
| 4/27/1999 | 19         | 5.7                       | 13.3               |
| 4/28/1999 | 64         | 44.2                      | 19.8               |
| 4/29/1999 | 135        | 100.0                     | 35.0               |
| 4/30/1999 | 147        | 97.7                      | 49.3               |
| 5/1/1999  | 108        | 52.3                      | 55.7               |
| 5/2/1999  | 57         | 3.1                       | 53.9               |
| 5/3/1999  | 26         | 0.0                       | 26.0               |
| 5/4/1999  | 17         | 0.0                       | 17.0               |
| 5/5/1999  | 17         | 0.6                       | 16.4               |
| 5/6/1999  | 19         | 2.8                       | 16.2               |
| 5/7/1999  | 20         | 3.8                       | 16.2               |
| 5/8/1999  | 21         | 4.7                       | 16.3               |
| 5/9/1999  | 89         | 63.3                      | 25.7               |
| 5/10/1999 | 262        | 204.6                     | 57.4               |
| 5/11/1999 | 176        | 104.2                     | 71.8               |
| 5/12/1999 | 55         | 0.0                       | 55.0               |
| 5/13/1999 | 50         | 0.0                       | 50.0               |
| 5/14/1999 | 45         | 0.0                       | 45.0               |
| 5/15/1999 | 32         | 0.0                       | 32.0               |
| 5/16/1999 | 26         | 0.0                       | 26.0               |
| 5/17/1999 | 23         | 0.0                       | 23.0               |
| 5/18/1999 | 25         | 0.5                       | 22.5               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/30/1999 | 8          | 0.3                       | 7.7                |
| 3/31/1999 | 8.4        | 0.7                       | 7.7                |
| 4/1/1999  | 8.3        | 0.7                       | 7.6                |
| 4/2/1999  | 9.7        | 2.1                       | 7.6                |
| 4/3/1999  | 8.5        | 0.9                       | 7.6                |
| 4/4/1999  | 8.1        | 0.6                       | 7.5                |
| 4/5/1999  | 7.9        | 0.4                       | 7.5                |
| 4/6/1999  | 8          | 0.6                       | 7.4                |
| 4/7/1999  | 7.8        | 0.4                       | 7.4                |
| 4/8/1999  | 7.5        | 0.2                       | 7.3                |
| 4/9/1999  | 7.4        | 0.2                       | 7.2                |
| 4/10/1999 | 7.3        | 0.1                       | 7.2                |
| 4/11/1999 | 7.1        | 0.0                       | 7.1                |
| 4/12/1999 | 6.9        | 0.0                       | 6.9                |
| 4/13/1999 | 6.7        | 0.0                       | 6.7                |
| 4/14/1999 | 6.7        | 0.1                       | 6.6                |
| 4/15/1999 | 8.7        | 2.0                       | 6.7                |
| 4/16/1999 | 7.5        | 0.9                       | 6.6                |
| 4/17/1999 | 7.3        | 0.7                       | 6.6                |
| 4/18/1999 | 7.5        | 0.9                       | 6.6                |
| 4/19/1999 | 7.8        | 1.3                       | 6.5                |
| 4/20/1999 | 7.2        | 0.7                       | 6.5                |
| 4/21/1999 | 7.2        | 0.7                       | 6.5                |
| 4/22/1999 | 7          | 0.6                       | 6.4                |
| 4/23/1999 | 6.7        | 0.3                       | 6.4                |
| 4/24/1999 | 6.6        | 0.3                       | 6.3                |
| 4/25/1999 | 6.6        | 0.3                       | 6.3                |
| 4/26/1999 | 6.9        | 0.7                       | 6.2                |
| 4/27/1999 | 7          | 0.8                       | 6.2                |
| 4/28/1999 | 9.5        | 3.2                       | 6.3                |
| 4/29/1999 | 15         | 8.5                       | 6.5                |
| 4/30/1999 | 27         | 19.7                      | 7.3                |
| 5/1/1999  | 24         | 16.2                      | 7.8                |
| 5/2/1999  | 18         | 9.8                       | 8.2                |
| 5/3/1999  | 14         | 5.7                       | 8.3                |
| 5/4/1999  | 12         | 3.6                       | 8.4                |
| 5/5/1999  | 11         | 2.6                       | 8.4                |
| 5/6/1999  | 11         | 2.6                       | 8.4                |
| 5/7/1999  | 11         | 2.6                       | 8.4                |
| 5/8/1999  | 11         | 2.6                       | 8.4                |
| 5/9/1999  | 11         | 2.5                       | 8.5                |
| 5/10/1999 | 22         | 13.1                      | 8.9                |
| 5/11/1999 | 26         | 16.5                      | 9.5                |
| 5/12/1999 | 20         | 10.2                      | 9.8                |
| 5/13/1999 | 18         | 8.0                       | 10.0               |
| 5/14/1999 | 18         | 7.8                       | 10.2               |
| 5/15/1999 | 15         | 4.7                       | 10.3               |
| 5/16/1999 | 13         | 2.7                       | 10.3               |
| 5/17/1999 | 12         | 1.7                       | 10.3               |
| 5/18/1999 | 12         | 1.8                       | 10.2               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/30/1999 | 33         | 4.2                       | 28.8               |
| 3/31/1999 | 36         | 7.2                       | 28.8               |
| 4/1/1999  | 33         | 4.4                       | 28.6               |
| 4/2/1999  | 36         | 7.4                       | 28.6               |
| 4/3/1999  | 34         | 5.5                       | 28.4               |
| 4/4/1999  | 34         | 5.6                       | 28.5               |
| 4/5/1999  | 34         | 5.7                       | 28.3               |
| 4/6/1999  | 31         | 3.1                       | 27.9               |
| 4/7/1999  | 29         | 1.5                       | 27.5               |
| 4/8/1999  | 33         | 5.6                       | 27.4               |
| 4/9/1999  | 30         | 2.9                       | 27.1               |
| 4/10/1999 | 27         | 0.4                       | 26.6               |
| 4/11/1999 | 27         | 0.9                       | 26.1               |
| 4/12/1999 | 31         | 5.0                       | 26.0               |
| 4/13/1999 | 26         | 0.5                       | 25.5               |
| 4/14/1999 | 25         | 0.0                       | 25.0               |
| 4/15/1999 | 30         | 5.1                       | 24.9               |
| 4/16/1999 | 28         | 3.3                       | 24.7               |
| 4/17/1999 | 25         | 0.8                       | 24.2               |
| 4/18/1999 | 28         | 3.9                       | 24.1               |
| 4/19/1999 | 28         | 4.1                       | 23.9               |
| 4/20/1999 | 27         | 3.3                       | 23.7               |
| 4/21/1999 | 28         | 4.4                       | 23.6               |
| 4/22/1999 | 27         | 3.6                       | 23.4               |
| 4/23/1999 | 28         | 4.7                       | 23.3               |
| 4/24/1999 | 26         | 2.9                       | 23.1               |
| 4/25/1999 | 30         | 6.8                       | 23.2               |
| 4/26/1999 | 32         | 8.6                       | 23.4               |
| 4/27/1999 | 23         | 0.1                       | 22.9               |
| 4/28/1999 | 47         | 22.7                      | 24.3               |
| 4/29/1999 | 148        | 115.0                     | 33.0               |
| 4/30/1999 | 150        | 108.9                     | 41.1               |
| 5/1/1999  | 138        | 90.5                      | 47.5               |
| 5/2/1999  | 89         | 39.3                      | 49.7               |
| 5/3/1999  | 50         | 1.2                       | 48.8               |
| 5/4/1999  | 22         | 0.0                       | 22.0               |
| 5/5/1999  | 21         | 0.0                       | 21.0               |
| 5/6/1999  | 24         | 3.2                       | 20.8               |
| 5/7/1999  | 25         | 4.2                       | 20.8               |
| 5/8/1999  | 29         | 8.0                       | 21.0               |
| 5/9/1999  | 36         | 14.3                      | 21.7               |
| 5/10/1999 | 81         | 55.3                      | 25.7               |
| 5/11/1999 | 91         | 60.9                      | 30.1               |
| 5/12/1999 | 32         | 2.4                       | 29.6               |
| 5/13/1999 | 36         | 6.4                       | 29.6               |
| 5/14/1999 | 30         | 0.9                       | 29.1               |
| 5/15/1999 | 38         | 8.8                       | 29.2               |
| 5/16/1999 | 49         | 18.9                      | 30.1               |
| 5/17/1999 | 36         | 6.0                       | 30.0               |
| 5/18/1999 | 25         | 0.0                       | 25.0               |



## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/16/2008 | 34.3       | 5.6                       | 28.7               |
| 11/17/2008 | 28.8       | 0.6                       | 28.2               |
| 11/18/2008 | 28.8       | 1.1                       | 27.7               |
| 11/19/2008 | 28.8       | 1.6                       | 27.2               |
| 11/20/2008 | 22.6       | 0.0                       | 22.6               |
| 11/21/2008 | 24.9       | 2.5                       | 22.4               |
| 11/22/2008 | 30.7       | 8.1                       | 22.6               |
| 11/23/2008 | 28.1       | 5.6                       | 22.5               |
| 11/24/2008 | 26.3       | 3.9                       | 22.4               |
| 11/25/2008 | 24.6       | 2.4                       | 22.2               |
| 11/26/2008 | 26.3       | 4.2                       | 22.1               |
| 11/27/2008 | 21.6       | 0.0                       | 21.6               |
| 11/28/2008 | 19.8       | 0.0                       | 19.8               |
| 11/29/2008 | 17         | 0.0                       | 17.0               |
| 11/30/2008 | 14.2       | 0.0                       | 14.2               |
| 12/1/2008  | 18.1       | 3.9                       | 14.2               |
| 12/2/2008  | 15.7       | 1.6                       | 14.1               |
| 12/3/2008  | 14         | 0.2                       | 13.8               |
| 12/4/2008  | 11.3       | 0.0                       | 11.3               |
| 12/5/2008  | 9.9        | 0.0                       | 9.9                |
| 12/6/2008  | 9.1        | 0.0                       | 9.1                |
| 12/7/2008  | 11.7       | 2.6                       | 9.1                |
| 12/8/2008  | 10.7       | 1.6                       | 9.1                |
| 12/9/2008  | 8.8        | 0.0                       | 8.8                |
| 12/10/2008 | 9.3        | 0.6                       | 8.7                |
| 12/11/2008 | 10.1       | 1.5                       | 8.6                |
| 12/12/2008 | 11.7       | 3.0                       | 8.7                |
| 12/13/2008 | 13.5       | 4.6                       | 8.9                |
| 12/14/2008 | 10.3       | 1.5                       | 8.8                |
| 12/15/2008 | 10.3       | 1.5                       | 8.8                |
| 12/16/2008 | 11.3       | 2.5                       | 8.8                |
| 12/17/2008 | 11.1       | 2.3                       | 8.8                |
| 12/18/2008 | 11.5       | 2.7                       | 8.8                |
| 12/19/2008 | 10.1       | 1.3                       | 8.8                |
| 12/20/2008 | 9.3        | 0.7                       | 8.6                |
| 12/21/2008 | 8.6        | 0.1                       | 8.5                |
| 12/22/2008 | 13.7       | 5.0                       | 8.7                |
| 12/23/2008 | 8.2        | 0.0                       | 8.2                |
| 12/24/2008 | 6.5        | 0.0                       | 6.5                |
| 12/25/2008 | 6.9        | 0.5                       | 6.4                |
| 12/26/2008 | 6.3        | 0.0                       | 6.3                |
| 12/27/2008 | 5.2        | 0.0                       | 5.2                |
| 12/28/2008 | 5.8        | 0.7                       | 5.1                |
| 12/29/2008 | 5.5        | 0.4                       | 5.1                |
| 12/30/2008 | 6.1        | 1.0                       | 5.1                |
| 12/31/2008 | 5          | 0.0                       | 5.0                |
| 1/1/2009   | 7.1        | 2.1                       | 5.0                |
| 1/2/2009   | 5          | 0.1                       | 4.9                |
| 1/3/2009   | 5.8        | 0.9                       | 4.9                |
| 1/4/2009   | 6.2        | 1.3                       | 4.9                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/19/1999 | 4.1        | 0.0                       | 4.1                |
| 5/20/1999 | 4          | 0.0                       | 4.0                |
| 5/21/1999 | 3.9        | 0.0                       | 3.9                |
| 5/22/1999 | 4.1        | 0.3                       | 3.8                |
| 5/23/1999 | 3.9        | 0.1                       | 3.8                |
| 5/24/1999 | 3.9        | 0.2                       | 3.7                |
| 5/25/1999 | 3.5        | 0.0                       | 3.5                |
| 5/26/1999 | 3.5        | 0.1                       | 3.4                |
| 5/27/1999 | 3.4        | 0.0                       | 3.4                |
| 5/28/1999 | 3.3        | 0.0                       | 3.3                |
| 5/29/1999 | 18         | 13.7                      | 4.3                |
| 5/30/1999 | 54         | 46.1                      | 7.9                |
| 5/31/1999 | 12         | 3.9                       | 8.1                |
| 6/1/1999  | 8.3        | 0.4                       | 7.9                |
| 6/2/1999  | 7.5        | 0.0                       | 7.5                |
| 6/3/1999  | 9.7        | 2.2                       | 7.5                |
| 6/4/1999  | 8.3        | 0.9                       | 7.4                |
| 6/5/1999  | 6.2        | 0.0                       | 6.2                |
| 6/6/1999  | 5.8        | 0.0                       | 5.8                |
| 6/7/1999  | 7.8        | 2.0                       | 5.8                |
| 6/8/1999  | 6.7        | 0.9                       | 5.8                |
| 6/9/1999  | 11         | 4.9                       | 6.1                |
| 6/10/1999 | 8.9        | 2.7                       | 6.2                |
| 6/11/1999 | 8.6        | 2.4                       | 6.2                |
| 6/12/1999 | 7.5        | 1.3                       | 6.2                |
| 6/13/1999 | 6.4        | 0.3                       | 6.1                |
| 6/14/1999 | 6.7        | 0.7                       | 6.0                |
| 6/15/1999 | 7.2        | 1.2                       | 6.0                |
| 6/16/1999 | 14         | 7.5                       | 6.5                |
| 6/17/1999 | 34         | 25.6                      | 8.4                |
| 6/18/1999 | 24         | 14.6                      | 9.4                |
| 6/19/1999 | 14         | 4.4                       | 9.6                |
| 6/20/1999 | 19         | 8.9                       | 10.1               |
| 6/21/1999 | 14         | 3.8                       | 10.2               |
| 6/22/1999 | 13         | 2.8                       | 10.2               |
| 6/23/1999 | 11         | 0.9                       | 10.1               |
| 6/24/1999 | 10         | 0.1                       | 9.9                |
| 6/25/1999 | 11         | 1.2                       | 9.8                |
| 6/26/1999 | 11         | 1.3                       | 9.7                |
| 6/27/1999 | 15         | 5.1                       | 9.9                |
| 6/28/1999 | 25         | 14.2                      | 10.8               |
| 6/29/1999 | 20         | 8.7                       | 11.3               |
| 6/30/1999 | 16         | 4.5                       | 11.5               |
| 7/1/1999  | 13         | 1.6                       | 11.4               |
| 7/2/1999  | 14         | 2.7                       | 11.3               |
| 7/3/1999  | 15         | 3.6                       | 11.4               |
| 7/4/1999  | 13         | 1.7                       | 11.3               |
| 7/5/1999  | 11         | 0.0                       | 11.0               |
| 7/6/1999  | 10         | 0.0                       | 10.0               |
| 7/7/1999  | 10         | 0.2                       | 9.8                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/19/1999 | 26         | 3.8                       | 22.2               |
| 5/20/1999 | 25         | 3.2                       | 21.8               |
| 5/21/1999 | 23         | 1.8                       | 21.2               |
| 5/22/1999 | 21         | 0.5                       | 20.5               |
| 5/23/1999 | 20         | 0.3                       | 19.7               |
| 5/24/1999 | 19         | 0.1                       | 18.9               |
| 5/25/1999 | 18         | 0.0                       | 18.0               |
| 5/26/1999 | 18         | 0.6                       | 17.4               |
| 5/27/1999 | 18         | 1.1                       | 16.9               |
| 5/28/1999 | 18         | 1.6                       | 16.4               |
| 5/29/1999 | 28         | 10.5                      | 17.5               |
| 5/30/1999 | 82         | 56.2                      | 25.8               |
| 5/31/1999 | 90         | 56.3                      | 33.7               |
| 6/1/1999  | 62         | 25.5                      | 36.5               |
| 6/2/1999  | 52         | 14.6                      | 37.4               |
| 6/3/1999  | 39         | 2.7                       | 36.3               |
| 6/4/1999  | 27         | 0.0                       | 27.0               |
| 6/5/1999  | 24         | 0.0                       | 24.0               |
| 6/6/1999  | 25         | 1.7                       | 23.3               |
| 6/7/1999  | 49         | 23.0                      | 26.0               |
| 6/8/1999  | 85         | 51.7                      | 33.3               |
| 6/9/1999  | 116        | 72.5                      | 43.5               |
| 6/10/1999 | 125        | 71.7                      | 53.3               |
| 6/11/1999 | 93         | 36.1                      | 56.9               |
| 6/12/1999 | 71         | 14.1                      | 56.9               |
| 6/13/1999 | 58         | 2.9                       | 55.1               |
| 6/14/1999 | 50         | 0.0                       | 50.0               |
| 6/15/1999 | 46         | 0.0                       | 46.0               |
| 6/16/1999 | 68         | 20.6                      | 47.4               |
| 6/17/1999 | 109        | 54.7                      | 54.3               |
| 6/18/1999 | 114        | 53.3                      | 60.7               |
| 6/19/1999 | 116        | 49.8                      | 66.2               |
| 6/20/1999 | 114        | 43.5                      | 70.5               |
| 6/21/1999 | 105        | 32.2                      | 72.8               |
| 6/22/1999 | 97         | 23.3                      | 73.7               |
| 6/23/1999 | 83         | 10.6                      | 72.4               |
| 6/24/1999 | 63         | 0.0                       | 63.0               |
| 6/25/1999 | 111        | 43.6                      | 67.4               |
| 6/26/1999 | 205        | 120.9                     | 84.1               |
| 6/27/1999 | 162        | 70.1                      | 91.9               |
| 6/28/1999 | 135        | 40.3                      | 94.7               |
| 6/29/1999 | 137        | 39.7                      | 97.3               |
| 6/30/1999 | 202        | 93.6                      | 108.4              |
| 7/1/1999  | 393        | 249.1                     | 143.9              |
| 7/2/1999  | 427        | 249.0                     | 178.0              |
| 7/3/1999  | 386        | 185.5                     | 200.5              |
| 7/4/1999  | 252        | 51.3                      | 200.7              |
| 7/5/1999  | 151        | 0.0                       | 151.0              |
| 7/6/1999  | 100        | 0.0                       | 100.0              |
| 7/7/1999  | 69         | 0.0                       | 69.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/19/1999 | 13         | 2.7                       | 10.3               |
| 5/20/1999 | 11         | 0.8                       | 10.2               |
| 5/21/1999 | 9.7        | 0.0                       | 9.7                |
| 5/22/1999 | 9.3        | 0.0                       | 9.3                |
| 5/23/1999 | 9          | 0.0                       | 9.0                |
| 5/24/1999 | 8.7        | 0.0                       | 8.7                |
| 5/25/1999 | 8.7        | 0.1                       | 8.6                |
| 5/26/1999 | 8.6        | 0.1                       | 8.5                |
| 5/27/1999 | 8          | 0.0                       | 8.0                |
| 5/28/1999 | 8          | 0.1                       | 7.9                |
| 5/29/1999 | 9.4        | 1.5                       | 7.9                |
| 5/30/1999 | 18         | 9.8                       | 8.2                |
| 5/31/1999 | 46         | 36.4                      | 9.6                |
| 6/1/1999  | 31         | 20.7                      | 10.3               |
| 6/2/1999  | 22         | 11.3                      | 10.7               |
| 6/3/1999  | 17         | 6.2                       | 10.8               |
| 6/4/1999  | 13         | 2.2                       | 10.8               |
| 6/5/1999  | 12         | 1.3                       | 10.7               |
| 6/6/1999  | 11         | 0.4                       | 10.6               |
| 6/7/1999  | 13         | 2.4                       | 10.6               |
| 6/8/1999  | 15         | 4.3                       | 10.7               |
| 6/9/1999  | 17         | 6.2                       | 10.8               |
| 6/10/1999 | 26         | 14.7                      | 11.3               |
| 6/11/1999 | 30         | 18.1                      | 11.9               |
| 6/12/1999 | 47         | 33.8                      | 13.2               |
| 6/13/1999 | 51         | 36.5                      | 14.5               |
| 6/14/1999 | 41         | 25.6                      | 15.4               |
| 6/15/1999 | 32         | 16.1                      | 15.9               |
| 6/16/1999 | 28         | 11.8                      | 16.2               |
| 6/17/1999 | 31         | 14.4                      | 16.6               |
| 6/18/1999 | 73         | 54.4                      | 18.6               |
| 6/19/1999 | 109        | 87.1                      | 21.9               |
| 6/20/1999 | 77         | 53.2                      | 23.8               |
| 6/21/1999 | 61         | 36.0                      | 25.0               |
| 6/22/1999 | 66         | 39.7                      | 26.3               |
| 6/23/1999 | 68         | 40.3                      | 27.7               |
| 6/24/1999 | 53         | 24.6                      | 28.4               |
| 6/25/1999 | 71         | 41.2                      | 29.8               |
| 6/26/1999 | 69         | 38.0                      | 31.0               |
| 6/27/1999 | 52         | 20.5                      | 31.5               |
| 6/28/1999 | 50         | 18.1                      | 31.9               |
| 6/29/1999 | 48         | 15.8                      | 32.2               |
| 6/30/1999 | 76         | 42.4                      | 33.6               |
| 7/1/1999  | 179        | 140.1                     | 38.9               |
| 7/2/1999  | 184        | 139.9                     | 44.1               |
| 7/3/1999  | 223        | 172.5                     | 50.5               |
| 7/4/1999  | 205        | 149.0                     | 56.0               |
| 7/5/1999  | 167        | 107.3                     | 59.7               |
| 7/6/1999  | 127        | 65.3                      | 61.7               |
| 7/7/1999  | 98         | 35.5                      | 62.5               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/19/1999 | 22         | 0.0                       | 22.0               |
| 5/20/1999 | 27         | 5.0                       | 22.0               |
| 5/21/1999 | 39         | 16.2                      | 22.8               |
| 5/22/1999 | 26         | 3.4                       | 22.6               |
| 5/23/1999 | 22         | 0.0                       | 22.0               |
| 5/24/1999 | 24         | 2.3                       | 21.7               |
| 5/25/1999 | 23         | 1.6                       | 21.4               |
| 5/26/1999 | 27         | 5.6                       | 21.4               |
| 5/27/1999 | 28         | 6.5                       | 21.5               |
| 5/28/1999 | 28         | 6.4                       | 21.6               |
| 5/29/1999 | 26         | 4.5                       | 21.5               |
| 5/30/1999 | 39         | 16.6                      | 22.4               |
| 5/31/1999 | 53         | 28.7                      | 24.3               |
| 6/1/1999  | 45         | 19.6                      | 25.4               |
| 6/2/1999  | 24         | 0.0                       | 24.0               |
| 6/3/1999  | 25         | 1.4                       | 23.6               |
| 6/4/1999  | 24         | 0.8                       | 23.2               |
| 6/5/1999  | 23         | 0.2                       | 22.8               |
| 6/6/1999  | 27         | 4.3                       | 22.7               |
| 6/7/1999  | 35         | 11.8                      | 23.2               |
| 6/8/1999  | 77         | 50.3                      | 26.7               |
| 6/9/1999  | 125        | 91.5                      | 33.5               |
| 6/10/1999 | 133        | 92.7                      | 40.3               |
| 6/11/1999 | 143        | 95.9                      | 47.1               |
| 6/12/1999 | 212        | 153.5                     | 58.5               |
| 6/13/1999 | 116        | 54.4                      | 61.6               |
| 6/14/1999 | 83         | 20.9                      | 62.1               |
| 6/15/1999 | 76         | 14.0                      | 62.0               |
| 6/16/1999 | 69         | 7.7                       | 61.3               |
| 6/17/1999 | 82         | 20.3                      | 61.7               |
| 6/18/1999 | 215        | 143.1                     | 71.9               |
| 6/19/1999 | 362        | 269.9                     | 92.1               |
| 6/20/1999 | 237        | 135.9                     | 101.1              |
| 6/21/1999 | 170        | 65.6                      | 104.4              |
| 6/22/1999 | 183        | 74.8                      | 108.2              |
| 6/23/1999 | 120        | 12.9                      | 107.1              |
| 6/24/1999 | 90         | 0.0                       | 90.0               |
| 6/25/1999 | 80         | 0.0                       | 80.0               |
| 6/26/1999 | 91         | 11.7                      | 79.3               |
| 6/27/1999 | 92         | 13.2                      | 79.8               |
| 6/28/1999 | 112        | 32.2                      | 78.8               |
| 6/29/1999 | 108        | 27.6                      | 80.4               |
| 6/30/1999 | 88         | 8.5                       | 79.5               |
| 7/1/1999  | 221        | 132.5                     | 88.5               |
| 7/2/1999  | 244        | 145.6                     | 98.4               |
| 7/3/1999  | 275        | 165.4                     | 109.6              |
| 7/4/1999  | 198        | 83.8                      | 114.2              |
| 7/5/1999  | 110        | 0.0                       | 110.0              |
| 7/6/1999  | 89         | 0.0                       | 89.0               |
| 7/7/1999  | 85         | 0.0                       | 85.0               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/5/2009  | 6.5        | 1.6                       | 4.9                |
| 1/6/2009  | 5.4        | 0.5                       | 4.9                |
| 1/7/2009  | 4.7        | 0.0                       | 4.7                |
| 1/8/2009  | 6.1        | 1.4                       | 4.7                |
| 1/9/2009  | 5.5        | 0.8                       | 4.7                |
| 1/10/2009 | 4.5        | 0.0                       | 4.5                |
| 1/11/2009 | 3.6        | 0.0                       | 3.6                |
| 1/12/2009 | 5.1        | 1.5                       | 3.6                |
| 1/13/2009 | 4.6        | 1.0                       | 3.6                |
| 1/14/2009 | 5.9        | 2.2                       | 3.7                |
| 1/15/2009 | 6.5        | 2.6                       | 3.9                |
| 1/16/2009 | 7.9        | 3.8                       | 4.1                |
| 1/17/2009 | 5.6        | 1.5                       | 4.1                |
| 1/18/2009 | 3.3        | 0.0                       | 3.3                |
| 1/19/2009 | 2.8        | 0.0                       | 2.8                |
| 1/20/2009 | 3.3        | 0.5                       | 2.8                |
| 1/21/2009 | 3.7        | 0.9                       | 2.8                |
| 1/22/2009 | 3          | 0.2                       | 2.8                |
| 1/23/2009 | 2.9        | 0.2                       | 2.7                |
| 1/24/2009 | 2.8        | 0.1                       | 2.7                |
| 1/25/2009 | 2.7        | 0.1                       | 2.6                |
| 1/26/2009 | 3          | 0.4                       | 2.6                |
| 1/27/2009 | 3.4        | 0.8                       | 2.6                |
| 1/28/2009 | 3.3        | 0.7                       | 2.6                |
| 1/29/2009 | 9.1        | 6.0                       | 3.1                |
| 1/30/2009 | 10.1       | 6.6                       | 3.5                |
| 2/1/2009  | 5.6        | 2.0                       | 3.6                |
| 2/2/2009  | 5.2        | 1.5                       | 3.7                |
| 2/3/2009  | 6.3        | 2.5                       | 3.8                |
| 2/4/2009  | 5.9        | 2.0                       | 3.9                |
| 2/5/2009  | 7.6        | 3.5                       | 4.1                |
| 2/6/2009  | 5          | 0.9                       | 4.1                |
| 2/7/2009  | 3.9        | 0.0                       | 3.9                |
| 2/8/2009  | 3.5        | 0.0                       | 3.5                |
| 2/9/2009  | 3.1        | 0.0                       | 3.1                |
| 2/10/2009 | 3          | 0.0                       | 3.0                |
| 2/11/2009 | 2.9        | 0.0                       | 2.9                |
| 2/12/2009 | 3.2        | 0.3                       | 2.9                |
| 2/13/2009 | 4          | 1.1                       | 2.9                |
| 2/14/2009 | 3.1        | 0.2                       | 2.9                |
| 2/15/2009 | 4.2        | 1.3                       | 2.9                |
| 2/16/2009 | 6.8        | 3.7                       | 3.1                |
| 2/17/2009 | 5.4        | 2.1                       | 3.3                |
| 2/18/2009 | 2.5        | 0.0                       | 2.5                |
| 2/19/2009 | 2.5        | 0.0                       | 2.5                |
| 2/20/2009 | 5          | 2.4                       | 2.6                |
| 2/21/2009 | 3.6        | 1.0                       | 2.6                |
| 2/22/2009 | 3.4        | 0.8                       | 2.6                |
| 2/23/2009 | 5.6        | 2.8                       | 2.8                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/8/1999  | 9.5        | 0.0                       | 9.5                |
| 7/9/1999  | 9.4        | 0.1                       | 9.3                |
| 7/10/1999 | 8.7        | 0.0                       | 8.7                |
| 7/11/1999 | 8.7        | 0.2                       | 8.5                |
| 7/12/1999 | 8.1        | 0.0                       | 8.1                |
| 7/13/1999 | 8          | 0.1                       | 7.9                |
| 7/14/1999 | 7.7        | 0.0                       | 7.7                |
| 7/15/1999 | 7.4        | 0.0                       | 7.4                |
| 7/16/1999 | 7.3        | 0.0                       | 7.3                |
| 7/17/1999 | 7.3        | 0.2                       | 7.1                |
| 7/18/1999 | 7.1        | 0.1                       | 7.0                |
| 7/19/1999 | 6.8        | 0.0                       | 6.8                |
| 7/20/1999 | 6.9        | 0.2                       | 6.7                |
| 7/21/1999 | 6.7        | 0.1                       | 6.6                |
| 7/22/1999 | 6.8        | 0.3                       | 6.5                |
| 7/23/1999 | 6.7        | 0.3                       | 6.4                |
| 7/24/1999 | 6.4        | 0.2                       | 6.2                |
| 7/25/1999 | 6.5        | 0.4                       | 6.1                |
| 7/26/1999 | 6.5        | 0.4                       | 6.1                |
| 7/27/1999 | 6.2        | 0.2                       | 6.0                |
| 7/28/1999 | 5.4        | 0.0                       | 5.4                |
| 7/29/1999 | 5          | 0.0                       | 5.0                |
| 7/30/1999 | 4.8        | 0.0                       | 4.8                |
| 7/31/1999 | 4.7        | 0.0                       | 4.7                |
| 8/1/1999  | 4.7        | 0.1                       | 4.6                |
| 8/2/1999  | 4.3        | 0.0                       | 4.3                |
| 8/3/1999  | 4.7        | 0.5                       | 4.3                |
| 8/4/1999  | 7.3        | 2.9                       | 4.4                |
| 8/5/1999  | 5.7        | 1.3                       | 4.4                |
| 8/6/1999  | 6.8        | 2.3                       | 4.5                |
| 8/7/1999  | 8.5        | 3.8                       | 4.7                |
| 8/8/1999  | 7.9        | 3.0                       | 4.9                |
| 8/9/1999  | 6.6        | 1.7                       | 4.9                |
| 8/10/1999 | 6.5        | 1.6                       | 4.9                |
| 8/11/1999 | 5.8        | 0.9                       | 4.9                |
| 8/12/1999 | 5.5        | 0.6                       | 4.9                |
| 8/13/1999 | 5.3        | 0.5                       | 4.8                |
| 8/14/1999 | 7.4        | 2.5                       | 4.9                |
| 8/15/1999 | 7          | 2.0                       | 5.0                |
| 8/16/1999 | 6.7        | 1.7                       | 5.0                |
| 8/17/1999 | 5.8        | 0.8                       | 5.0                |
| 8/18/1999 | 8.8        | 3.6                       | 5.2                |
| 8/19/1999 | 7.1        | 1.9                       | 5.2                |
| 8/20/1999 | 7.5        | 2.2                       | 5.3                |
| 8/21/1999 | 10         | 4.5                       | 5.5                |
| 8/22/1999 | 9.8        | 4.1                       | 5.7                |
| 8/23/1999 | 11         | 5.0                       | 6.0                |
| 8/24/1999 | 11         | 4.7                       | 6.3                |
| 8/25/1999 | 8.2        | 1.9                       | 6.3                |
| 8/26/1999 | 7.1        | 0.8                       | 6.3                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/8/1999  | 58         | 0.0                       | 58.0               |
| 7/9/1999  | 51         | 0.0                       | 51.0               |
| 7/10/1999 | 47         | 0.0                       | 47.0               |
| 7/11/1999 | 45         | 0.0                       | 45.0               |
| 7/12/1999 | 53         | 8.4                       | 44.6               |
| 7/13/1999 | 59         | 14.0                      | 45.0               |
| 7/14/1999 | 56         | 11.0                      | 45.0               |
| 7/15/1999 | 44         | 0.7                       | 43.3               |
| 7/16/1999 | 36         | 0.0                       | 36.0               |
| 7/17/1999 | 34         | 0.0                       | 34.0               |
| 7/18/1999 | 33         | 0.3                       | 32.7               |
| 7/19/1999 | 33         | 1.4                       | 31.6               |
| 7/20/1999 | 32         | 1.4                       | 30.6               |
| 7/21/1999 | 30         | 0.6                       | 29.4               |
| 7/22/1999 | 30         | 1.5                       | 28.5               |
| 7/23/1999 | 30         | 2.3                       | 27.7               |
| 7/24/1999 | 30         | 2.9                       | 27.1               |
| 7/25/1999 | 30         | 3.4                       | 26.6               |
| 7/26/1999 | 30         | 3.9                       | 26.1               |
| 7/27/1999 | 28         | 2.5                       | 25.5               |
| 7/28/1999 | 27         | 2.2                       | 24.8               |
| 7/29/1999 | 24         | 0.2                       | 23.8               |
| 7/30/1999 | 23         | 0.1                       | 22.9               |
| 7/31/1999 | 24         | 1.7                       | 22.3               |
| 8/1/1999  | 23         | 1.4                       | 21.6               |
| 8/2/1999  | 21         | 0.2                       | 20.8               |
| 8/3/1999  | 18         | 0.0                       | 18.0               |
| 8/4/1999  | 19         | 1.5                       | 17.5               |
| 8/5/1999  | 75         | 50.2                      | 24.8               |
| 8/6/1999  | 127        | 88.9                      | 38.1               |
| 8/7/1999  | 76         | 34.0                      | 42.0               |
| 8/8/1999  | 53         | 10.9                      | 42.1               |
| 8/9/1999  | 64         | 20.4                      | 43.6               |
| 8/10/1999 | 72         | 26.0                      | 46.0               |
| 8/11/1999 | 57         | 11.0                      | 46.0               |
| 8/12/1999 | 40         | 0.0                       | 40.0               |
| 8/13/1999 | 36         | 0.0                       | 36.0               |
| 8/14/1999 | 36         | 1.2                       | 34.8               |
| 8/15/1999 | 34         | 0.5                       | 33.5               |
| 8/16/1999 | 32         | 0.0                       | 32.0               |
| 8/17/1999 | 31         | 0.2                       | 30.8               |
| 8/18/1999 | 33         | 3.0                       | 30.0               |
| 8/19/1999 | 38         | 7.9                       | 30.1               |
| 8/20/1999 | 52         | 19.9                      | 32.1               |
| 8/21/1999 | 134        | 89.0                      | 45.0               |
| 8/22/1999 | 360        | 273.1                     | 86.9               |
| 8/23/1999 | 703        | 534.1                     | 168.9              |
| 8/24/1999 | 747        | 504.2                     | 242.8              |
| 8/25/1999 | 583        | 301.6                     | 281.4              |
| 8/26/1999 | 425        | 133.5                     | 291.5              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/8/1999  | 80         | 17.4                      | 62.6               |
| 7/9/1999  | 65         | 2.9                       | 62.1               |
| 7/10/1999 | 57         | 0.0                       | 57.0               |
| 7/11/1999 | 50         | 0.0                       | 50.0               |
| 7/12/1999 | 44         | 0.0                       | 44.0               |
| 7/13/1999 | 40         | 0.0                       | 40.0               |
| 7/14/1999 | 36         | 0.0                       | 36.0               |
| 7/15/1999 | 33         | 0.0                       | 33.0               |
| 7/16/1999 | 31         | 0.0                       | 31.0               |
| 7/17/1999 | 27         | 0.0                       | 27.0               |
| 7/18/1999 | 25         | 0.0                       | 25.0               |
| 7/19/1999 | 24         | 0.0                       | 24.0               |
| 7/20/1999 | 23         | 0.0                       | 23.0               |
| 7/21/1999 | 22         | 0.0                       | 22.0               |
| 7/22/1999 | 23         | 1.2                       | 21.8               |
| 7/23/1999 | 23         | 1.3                       | 21.7               |
| 7/24/1999 | 23         | 1.5                       | 21.5               |
| 7/25/1999 | 22         | 0.7                       | 21.3               |
| 7/26/1999 | 20         | 0.0                       | 20.0               |
| 7/27/1999 | 19         | 0.0                       | 19.0               |
| 7/28/1999 | 19         | 0.2                       | 18.8               |
| 7/29/1999 | 18         | 0.0                       | 18.0               |
| 7/30/1999 | 16         | 0.0                       | 16.0               |
| 7/31/1999 | 16         | 0.2                       | 15.8               |
| 8/1/1999  | 15         | 0.0                       | 15.0               |
| 8/2/1999  | 14         | 0.0                       | 14.0               |
| 8/3/1999  | 15         | 1.1                       | 13.9               |
| 8/4/1999  | 15         | 1.2                       | 13.8               |
| 8/5/1999  | 14         | 0.3                       | 13.7               |
| 8/6/1999  | 15         | 1.4                       | 13.6               |
| 8/7/1999  | 16         | 2.4                       | 13.6               |
| 8/8/1999  | 14         | 0.5                       | 13.5               |
| 8/9/1999  | 14         | 0.7                       | 13.3               |
| 8/10/1999 | 12         | 0.0                       | 12.0               |
| 8/11/1999 | 11         | 0.0                       | 11.0               |
| 8/12/1999 | 11         | 0.1                       | 10.9               |
| 8/13/1999 | 11         | 0.2                       | 10.8               |
| 8/14/1999 | 11         | 0.3                       | 10.7               |
| 8/15/1999 | 13         | 2.3                       | 10.7               |
| 8/16/1999 | 18         | 7.1                       | 10.9               |
| 8/17/1999 | 23         | 11.8                      | 11.2               |
| 8/18/1999 | 19         | 7.6                       | 11.4               |
| 8/19/1999 | 18         | 6.4                       | 11.6               |
| 8/20/1999 | 62         | 48.6                      | 13.4               |
| 8/21/1999 | 118        | 100.7                     | 17.3               |
| 8/22/1999 | 121        | 99.9                      | 21.1               |
| 8/23/1999 | 132        | 106.8                     | 25.2               |
| 8/24/1999 | 214        | 181.8                     | 32.2               |
| 8/25/1999 | 175        | 137.6                     | 37.4               |
| 8/26/1999 | 119        | 78.8                      | 40.2               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/8/1999  | 77         | 0.0                       | 77.0               |
| 7/9/1999  | 68         | 0.0                       | 68.0               |
| 7/10/1999 | 62         | 0.0                       | 62.0               |
| 7/11/1999 | 57         | 0.0                       | 57.0               |
| 7/12/1999 | 56         | 0.1                       | 55.9               |
| 7/13/1999 | 48         | 0.0                       | 48.0               |
| 7/14/1999 | 44         | 0.0                       | 44.0               |
| 7/15/1999 | 50         | 6.4                       | 43.6               |
| 7/16/1999 | 53         | 9.5                       | 43.5               |
| 7/17/1999 | 52         | 8.7                       | 43.3               |
| 7/18/1999 | 48         | 5.1                       | 42.9               |
| 7/19/1999 | 45         | 2.8                       | 42.2               |
| 7/20/1999 | 48         | 6.1                       | 41.9               |
| 7/21/1999 | 70         | 26.8                      | 43.2               |
| 7/22/1999 | 99         | 52.5                      | 46.5               |
| 7/23/1999 | 75         | 27.2                      | 47.8               |
| 7/24/1999 | 66         | 17.8                      | 48.2               |
| 7/25/1999 | 62         | 13.6                      | 48.4               |
| 7/26/1999 | 68         | 19.1                      | 48.9               |
| 7/27/1999 | 63         | 13.9                      | 49.1               |
| 7/28/1999 | 53         | 4.6                       | 48.4               |
| 7/29/1999 | 44         | 0.0                       | 44.0               |
| 7/30/1999 | 44         | 0.8                       | 43.2               |
| 7/31/1999 | 44         | 1.6                       | 42.4               |
| 8/1/1999  | 46         | 4.1                       | 41.9               |
| 8/2/1999  | 52         | 10.1                      | 41.9               |
| 8/3/1999  | 75         | 31.4                      | 43.6               |
| 8/4/1999  | 68         | 23.4                      | 44.6               |
| 8/5/1999  | 89         | 42.0                      | 47.0               |
| 8/6/1999  | 118        | 66.6                      | 51.4               |
| 8/7/1999  | 125        | 69.1                      | 55.9               |
| 8/8/1999  | 97         | 39.1                      | 57.9               |
| 8/9/1999  | 78         | 19.7                      | 58.3               |
| 8/10/1999 | 72         | 13.7                      | 58.3               |
| 8/11/1999 | 63         | 5.5                       | 57.5               |
| 8/12/1999 | 58         | 1.5                       | 56.5               |
| 8/13/1999 | 64         | 8.0                       | 56.0               |
| 8/14/1999 | 82         | 25.1                      | 56.9               |
| 8/15/1999 | 64         | 7.6                       | 56.4               |
| 8/16/1999 | 59         | 3.5                       | 55.5               |
| 8/17/1999 | 53         | 0.0                       | 53.0               |
| 8/18/1999 | 56         | 3.8                       | 52.2               |
| 8/19/1999 | 89         | 35.0                      | 54.0               |
| 8/20/1999 | 210        | 145.4                     | 64.6               |
| 8/21/1999 | 215        | 140.5                     | 74.5               |
| 8/22/1999 | 379        | 283.3                     | 95.7               |
| 8/23/1999 | 505        | 380.8                     | 124.2              |
| 8/24/1999 | 499        | 349.3                     | 149.7              |
| 8/25/1999 | 386        | 221.6                     | 164.4              |
| 8/26/1999 | 271        | 101.7                     | 169.3              |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/24/2009 | 4.7        | 1.8                       | 2.9                |
| 2/25/2009 | 3          | 0.2                       | 2.8                |
| 2/26/2009 | 3.6        | 0.8                       | 2.8                |
| 2/27/2009 | 3.7        | 0.8                       | 2.9                |
| 2/28/2009 | 3.3        | 0.5                       | 2.8                |
| 3/1/2009  | 3.2        | 0.4                       | 2.8                |
| 3/2/2009  | 5          | 2.1                       | 2.9                |
| 3/3/2009  | 6.8        | 3.6                       | 3.2                |
| 3/4/2009  | 6.6        | 3.2                       | 3.4                |
| 3/5/2009  | 4.9        | 1.5                       | 3.4                |
| 3/6/2009  | 4.9        | 1.4                       | 3.5                |
| 3/7/2009  | 4.6        | 1.1                       | 3.5                |
| 3/8/2009  | 4.2        | 0.7                       | 3.5                |
| 3/9/2009  | 4.5        | 1.0                       | 3.5                |
| 3/10/2009 | 5          | 1.5                       | 3.5                |
| 3/11/2009 | 4.7        | 1.2                       | 3.5                |
| 3/12/2009 | 5.2        | 1.6                       | 3.6                |
| 3/13/2009 | 6.1        | 2.4                       | 3.7                |
| 3/14/2009 | 5.8        | 2.0                       | 3.8                |
| 3/15/2009 | 5.9        | 2.0                       | 3.9                |
| 3/16/2009 | 7.1        | 3.0                       | 4.1                |
| 3/17/2009 | 11.7       | 7.2                       | 4.5                |
| 3/18/2009 | 11.7       | 6.7                       | 5.0                |
| 3/19/2009 | 11.5       | 6.1                       | 5.4                |
| 3/20/2009 | 14.7       | 8.7                       | 6.0                |
| 3/21/2009 | 17.8       | 11.1                      | 6.7                |
| 3/22/2009 | 17.8       | 10.4                      | 7.4                |
| 3/23/2009 | 15.9       | 8.0                       | 7.9                |
| 3/24/2009 | 16.2       | 7.8                       | 8.4                |
| 3/25/2009 | 12.6       | 4.1                       | 8.5                |
| 3/26/2009 | 11.1       | 2.5                       | 8.6                |
| 3/27/2009 | 12.4       | 3.7                       | 8.7                |
| 3/28/2009 | 12.4       | 3.6                       | 8.8                |
| 3/29/2009 | 14.4       | 5.3                       | 9.1                |
| 3/30/2009 | 19.5       | 9.8                       | 9.7                |
| 3/31/2009 | 14.2       | 4.4                       | 9.8                |
| 4/1/2009  | 21         | 10.5                      | 10.5               |
| 4/2/2009  | 15.9       | 5.2                       | 10.7               |
| 4/3/2009  | 12.4       | 1.8                       | 10.6               |
| 4/4/2009  | 18.4       | 7.4                       | 11.0               |
| 4/5/2009  | 14.2       | 3.2                       | 11.0               |
| 4/6/2009  | 11.5       | 0.6                       | 10.9               |
| 4/7/2009  | 15.9       | 4.9                       | 11.0               |
| 4/8/2009  | 13         | 2.0                       | 11.0               |
| 4/9/2009  | 9.5        | 0.0                       | 9.5                |
| 4/10/2009 | 7.1        | 0.0                       | 7.1                |
| 4/11/2009 | 8.6        | 1.5                       | 7.1                |
| 4/12/2009 | 9.9        | 2.7                       | 7.2                |
| 4/13/2009 | 6.8        | 0.0                       | 6.8                |
| 4/14/2009 | 6.5        | 0.0                       | 6.5                |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/27/1999  | 6.6        | 0.4                       | 6.2                |
| 8/28/1999  | 6.2        | 0.1                       | 6.1                |
| 8/29/1999  | 6.1        | 0.2                       | 5.9                |
| 8/30/1999  | 24         | 16.8                      | 7.2                |
| 8/31/1999  | 27         | 18.5                      | 8.5                |
| 9/1/1999   | 12         | 3.4                       | 8.6                |
| 9/2/1999   | 9.6        | 1.1                       | 8.5                |
| 9/3/1999   | 9.5        | 1.1                       | 8.4                |
| 9/4/1999   | 8.6        | 0.3                       | 8.3                |
| 9/5/1999   | 7.9        | 0.0                       | 7.9                |
| 9/6/1999   | 11         | 3.0                       | 8.0                |
| 9/7/1999   | 15         | 6.6                       | 8.4                |
| 9/8/1999   | 15         | 6.3                       | 8.7                |
| 9/9/1999   | 11         | 2.3                       | 8.7                |
| 9/10/1999  | 11         | 2.3                       | 8.7                |
| 9/11/1999  | 9.1        | 0.5                       | 8.6                |
| 9/12/1999  | 14         | 5.2                       | 8.8                |
| 9/13/1999  | 13         | 4.0                       | 9.0                |
| 9/14/1999  | 12         | 3.0                       | 9.0                |
| 9/15/1999  | 20         | 10.3                      | 9.7                |
| 9/16/1999  | 15         | 5.1                       | 9.9                |
| 9/17/1999  | 12         | 2.1                       | 9.9                |
| 9/18/1999  | 37         | 25.3                      | 11.7               |
| 9/19/1999  | 26         | 13.5                      | 12.5               |
| 9/20/1999  | 20         | 7.1                       | 12.9               |
| 9/21/1999  | 24         | 10.6                      | 13.4               |
| 9/22/1999  | 19         | 5.4                       | 13.6               |
| 9/23/1999  | 17         | 3.4                       | 13.6               |
| 9/24/1999  | 15         | 1.5                       | 13.5               |
| 9/25/1999  | 37         | 22.1                      | 15.0               |
| 9/26/1999  | 58         | 40.1                      | 17.9               |
| 9/27/1999  | 30         | 11.6                      | 18.4               |
| 9/28/1999  | 25         | 6.4                       | 18.6               |
| 9/29/1999  | 23         | 4.4                       | 18.6               |
| 9/30/1999  | 35         | 15.6                      | 19.4               |
| 10/1/1999  | 114        | 87.9                      | 26.1               |
| 10/2/1999  | 39         | 12.4                      | 26.6               |
| 10/3/1999  | 31         | 4.6                       | 26.4               |
| 10/4/1999  | 62         | 33.5                      | 28.5               |
| 10/5/1999  | 114        | 79.7                      | 34.3               |
| 10/6/1999  | 49         | 14.2                      | 34.8               |
| 10/7/1999  | 48         | 12.9                      | 35.1               |
| 10/8/1999  | 64         | 27.4                      | 36.6               |
| 10/9/1999  | 60         | 22.3                      | 37.7               |
| 10/10/1999 | 36         | 0.0                       | 36.0               |
| 10/11/1999 | 27         | 0.0                       | 27.0               |
| 10/12/1999 | 24         | 0.0                       | 24.0               |
| 10/13/1999 | 21         | 0.0                       | 21.0               |
| 10/14/1999 | 20         | 0.0                       | 20.0               |
| 10/15/1999 | 59         | 36.5                      | 22.5               |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/27/1999  | 293        | 11.4                      | 281.6              |
| 8/28/1999  | 200        | 0.0                       | 200.0              |
| 8/29/1999  | 148        | 0.0                       | 148.0              |
| 8/30/1999  | 134        | 0.0                       | 134.0              |
| 8/31/1999  | 174        | 39.1                      | 134.9              |
| 9/1/1999   | 137        | 6.5                       | 130.5              |
| 9/2/1999   | 97         | 0.0                       | 97.0               |
| 9/3/1999   | 86         | 0.0                       | 86.0               |
| 9/4/1999   | 80         | 0.0                       | 80.0               |
| 9/5/1999   | 71         | 0.0                       | 71.0               |
| 9/6/1999   | 64         | 0.0                       | 64.0               |
| 9/7/1999   | 65         | 3.1                       | 61.9               |
| 9/8/1999   | 72         | 10.8                      | 61.2               |
| 9/9/1999   | 77         | 15.7                      | 61.3               |
| 9/10/1999  | 77         | 15.7                      | 61.3               |
| 9/11/1999  | 79         | 17.4                      | 61.6               |
| 9/12/1999  | 106        | 40.4                      | 65.6               |
| 9/13/1999  | 180        | 100.9                     | 79.1               |
| 9/14/1999  | 218        | 122.4                     | 95.6               |
| 9/15/1999  | 254        | 139.9                     | 114.1              |
| 9/16/1999  | 164        | 46.9                      | 117.1              |
| 9/17/1999  | 97         | 0.0                       | 97.0               |
| 9/18/1999  | 85         | 0.0                       | 85.0               |
| 9/19/1999  | 120        | 33.1                      | 86.9               |
| 9/20/1999  | 184        | 86.7                      | 97.3               |
| 9/21/1999  | 217        | 106.6                     | 110.5              |
| 9/22/1999  | 154        | 41.4                      | 112.6              |
| 9/23/1999  | 110        | 1.6                       | 108.4              |
| 9/24/1999  | 90         | 0.0                       | 90.0               |
| 9/25/1999  | 86         | 0.0                       | 86.0               |
| 9/26/1999  | 116        | 28.8                      | 87.2               |
| 9/27/1999  | 166        | 71.0                      | 95.0               |
| 9/28/1999  | 175        | 72.2                      | 102.8              |
| 9/29/1999  | 141        | 36.5                      | 104.5              |
| 9/30/1999  | 121        | 17.8                      | 103.2              |
| 10/1/1999  | 136        | 31.8                      | 104.2              |
| 10/2/1999  | 131        | 26.7                      | 104.3              |
| 10/3/1999  | 114        | 12.0                      | 102.0              |
| 10/4/1999  | 125        | 23.3                      | 101.7              |
| 10/5/1999  | 244        | 128.2                     | 117.8              |
| 10/6/1999  | 286        | 141.1                     | 136.9              |
| 10/7/1999  | 451        | 275.5                     | 175.5              |
| 10/8/1999  | 809        | 552.1                     | 256.9              |
| 10/9/1999  | 800        | 477.1                     | 322.9              |
| 10/10/1999 | 581        | 233.6                     | 347.4              |
| 10/11/1999 | 349        | 13.4                      | 335.6              |
| 10/12/1999 | 266        | 0.0                       | 266.0              |
| 10/13/1999 | 408        | 131.6                     | 276.4              |
| 10/14/1999 | 380        | 98.8                      | 281.2              |
| 10/15/1999 | 624        | 305.2                     | 318.8              |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/27/1999  | 84         | 42.5                      | 41.5               |
| 8/28/1999  | 65         | 23.0                      | 42.0               |
| 8/29/1999  | 51         | 9.1                       | 41.9               |
| 8/30/1999  | 44         | 2.4                       | 41.6               |
| 8/31/1999  | 71         | 28.7                      | 42.3               |
| 9/1/1999   | 64         | 21.3                      | 42.7               |
| 9/2/1999   | 53         | 10.3                      | 42.7               |
| 9/3/1999   | 43         | 0.7                       | 42.3               |
| 9/4/1999   | 37         | 0.0                       | 37.0               |
| 9/5/1999   | 32         | 0.0                       | 32.0               |
| 9/6/1999   | 29         | 0.0                       | 29.0               |
| 9/7/1999   | 30         | 1.2                       | 28.8               |
| 9/8/1999   | 65         | 35.1                      | 29.9               |
| 9/9/1999   | 141        | 107.1                     | 33.9               |
| 9/10/1999  | 124        | 87.0                      | 37.0               |
| 9/11/1999  | 112        | 72.5                      | 39.5               |
| 9/12/1999  | 95         | 53.7                      | 41.3               |
| 9/13/1999  | 87         | 44.4                      | 42.6               |
| 9/14/1999  | 82         | 38.2                      | 43.8               |
| 9/15/1999  | 115        | 68.9                      | 46.1               |
| 9/16/1999  | 132        | 83.1                      | 48.9               |
| 9/17/1999  | 97         | 46.7                      | 50.3               |
| 9/18/1999  | 87         | 35.8                      | 51.2               |
| 9/19/1999  | 118        | 64.7                      | 53.3               |
| 9/20/1999  | 124        | 68.5                      | 55.5               |
| 9/21/1999  | 132        | 74.1                      | 57.9               |
| 9/22/1999  | 116        | 56.4                      | 59.6               |
| 9/23/1999  | 96         | 35.6                      | 60.4               |
| 9/24/1999  | 87         | 26.1                      | 60.9               |
| 9/25/1999  | 83         | 21.9                      | 61.1               |
| 9/26/1999  | 128        | 64.9                      | 63.1               |
| 9/27/1999  | 124        | 59.1                      | 64.9               |
| 9/28/1999  | 102        | 36.3                      | 65.7               |
| 9/29/1999  | 79         | 13.5                      | 65.5               |
| 9/30/1999  | 67         | 2.0                       | 65.0               |
| 10/1/1999  | 94         | 28.5                      | 65.5               |
| 10/2/1999  | 81         | 15.6                      | 65.4               |
| 10/3/1999  | 65         | 0.2                       | 64.8               |
| 10/4/1999  | 60         | 0.0                       | 60.0               |
| 10/5/1999  | 102        | 41.0                      | 61.0               |
| 10/6/1999  | 124        | 61.1                      | 62.9               |
| 10/7/1999  | 181        | 114.2                     | 66.8               |
| 10/8/1999  | 297        | 222.0                     | 75.0               |
| 10/9/1999  | 343        | 258.4                     | 84.6               |
| 10/10/1999 | 284        | 192.5                     | 91.5               |
| 10/11/1999 | 240        | 143.7                     | 96.3               |
| 10/12/1999 | 201        | 101.6                     | 99.4               |
| 10/13/1999 | 200        | 97.7                      | 102.3              |
| 10/14/1999 | 210        | 104.5                     | 105.5              |
| 10/15/1999 | 279        | 167.9                     | 111.1              |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/27/1999  | 158        | 0.0                       | 158.0              |
| 8/28/1999  | 132        | 0.0                       | 132.0              |
| 8/29/1999  | 118        | 0.0                       | 118.0              |
| 8/30/1999  | 111        | 0.0                       | 111.0              |
| 8/31/1999  | 165        | 52.1                      | 112.9              |
| 9/1/1999   | 171        | 55.8                      | 115.2              |
| 9/2/1999   | 129        | 15.0                      | 114.0              |
| 9/3/1999   | 106        | 0.0                       | 106.0              |
| 9/4/1999   | 93         | 0.0                       | 93.0               |
| 9/5/1999   | 86         | 0.0                       | 86.0               |
| 9/6/1999   | 81         | 0.0                       | 81.0               |
| 9/7/1999   | 85         | 5.2                       | 79.8               |
| 9/8/1999   | 384        | 283.1                     | 100.9              |
| 9/9/1999   | 246        | 136.3                     | 109.7              |
| 9/10/1999  | 240        | 122.6                     | 117.4              |
| 9/11/1999  | 235        | 111.1                     | 123.9              |
| 9/12/1999  | 203        | 75.5                      | 127.5              |
| 9/13/1999  | 223        | 90.8                      | 132.2              |
| 9/14/1999  | 242        | 104.1                     | 137.9              |
| 9/15/1999  | 395        | 240.6                     | 154.4              |
| 9/16/1999  | 229        | 72.0                      | 157.0              |
| 9/17/1999  | 146        | 0.0                       | 146.0              |
| 9/18/1999  | 119        | 0.0                       | 119.0              |
| 9/19/1999  | 124        | 6.8                       | 117.2              |
| 9/20/1999  | 157        | 39.1                      | 117.9              |
| 9/21/1999  | 152        | 33.7                      | 118.3              |
| 9/22/1999  | 125        | 8.4                       | 116.6              |
| 9/23/1999  | 103        | 0.0                       | 103.0              |
| 9/24/1999  | 96         | 0.0                       | 96.0               |
| 9/25/1999  | 84         | 0.0                       | 84.0               |
| 9/26/1999  | 97         | 13.6                      | 83.4               |
| 9/27/1999  | 151        | 64.1                      | 86.9               |
| 9/28/1999  | 170        | 78.6                      | 91.4               |
| 9/29/1999  | 121        | 29.1                      | 91.9               |
| 9/30/1999  | 102        | 11.0                      | 91.0               |
| 10/1/1999  | 277        | 173.9                     | 103.1              |
| 10/2/1999  | 302        | 186.1                     | 115.9              |
| 10/3/1999  | 194        | 74.5                      | 119.5              |
| 10/4/1999  | 161        | 40.6                      | 120.4              |
| 10/5/1999  | 350        | 214.8                     | 135.2              |
| 10/6/1999  | 351        | 202.4                     | 148.6              |
| 10/7/1999  | 370        | 207.7                     | 162.3              |
| 10/8/1999  | 744        | 541.6                     | 202.4              |
| 10/9/1999  | 744        | 505.3                     | 238.7              |
| 10/10/1999 | 472        | 220.4                     | 251.6              |
| 10/11/1999 | 283        | 33.7                      | 249.3              |
| 10/12/1999 | 205        | 0.0                       | 205.0              |
| 10/13/1999 | 313        | 103.8                     | 209.2              |
| 10/14/1999 | 226        | 19.4                      | 206.6              |
| 10/15/1999 | 413        | 195.0                     | 218.0              |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/15/2009 | 9.1        | 2.5                       | 6.6                |
| 4/16/2009 | 12.1       | 5.2                       | 6.9                |
| 4/17/2009 | 13.7       | 6.5                       | 7.2                |
| 4/18/2009 | 11.7       | 4.3                       | 7.4                |
| 4/19/2009 | 9.3        | 1.9                       | 7.4                |
| 4/20/2009 | 8.8        | 1.4                       | 7.4                |
| 4/21/2009 | 11.5       | 3.9                       | 7.6                |
| 4/22/2009 | 10.9       | 3.2                       | 7.7                |
| 4/23/2009 | 8.8        | 1.2                       | 7.6                |
| 4/24/2009 | 7.9        | 0.4                       | 7.5                |
| 4/25/2009 | 9          | 1.5                       | 7.5                |
| 4/26/2009 | 9.1        | 1.7                       | 7.5                |
| 4/27/2009 | 9.3        | 1.9                       | 7.4                |
| 4/28/2009 | 10.1       | 2.6                       | 7.5                |
| 4/29/2009 | 10.3       | 2.7                       | 7.6                |
| 4/30/2009 | 8.4        | 0.9                       | 7.5                |
| 5/1/2009  | 7.9        | 0.5                       | 7.4                |
| 5/2/2009  | 7.7        | 0.4                       | 7.3                |
| 5/3/2009  | 5.9        | 0.0                       | 5.9                |
| 5/4/2009  | 5.8        | 0.0                       | 5.8                |
| 5/5/2009  | 6.3        | 0.6                       | 5.7                |
| 5/6/2009  | 6.2        | 0.6                       | 5.6                |
| 5/7/2009  | 6.3        | 0.7                       | 5.6                |
| 5/8/2009  | 6.6        | 1.0                       | 5.6                |
| 5/9/2009  | 6.6        | 1.1                       | 5.5                |
| 5/10/2009 | 7.1        | 1.6                       | 5.5                |
| 5/11/2009 | 5.5        | 0.1                       | 5.4                |
| 5/12/2009 | 7.7        | 2.2                       | 5.5                |
| 5/13/2009 | 10.5       | 4.7                       | 5.8                |
| 5/14/2009 | 9.7        | 3.7                       | 6.0                |
| 5/15/2009 | 9.9        | 3.8                       | 6.1                |
| 5/16/2009 | 9.7        | 3.4                       | 6.3                |
| 5/17/2009 | 9.3        | 2.9                       | 6.4                |
| 5/18/2009 | 29.2       | 21.2                      | 8.0                |
| 5/19/2009 | 57.4       | 45.9                      | 11.5               |
| 5/20/2009 | 61.5       | 46.5                      | 15.0               |
| 5/21/2009 | 63.3       | 45.0                      | 18.3               |
| 5/22/2009 | 60.9       | 39.8                      | 21.1               |
| 5/23/2009 | 60.9       | 37.2                      | 23.7               |
| 5/24/2009 | 54.1       | 28.6                      | 25.5               |
| 5/25/2009 | 50.8       | 23.9                      | 26.9               |
| 5/26/2009 | 45.7       | 17.9                      | 27.8               |
| 5/27/2009 | 42.8       | 14.4                      | 28.4               |
| 5/28/2009 | 37.3       | 8.8                       | 28.5               |
| 5/29/2009 | 33.9       | 5.5                       | 28.4               |
| 5/30/2009 | 32.7       | 4.5                       | 28.2               |
| 5/31/2009 | 29.6       | 1.8                       | 27.8               |
| 6/1/2009  | 25.2       | 0.0                       | 25.2               |
| 6/2/2009  | 23.6       | 0.0                       | 23.6               |
| 6/3/2009  | 21.6       | 0.0                       | 21.6               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/16/1999 | 180        | 146.2                     | 33.8               |
| 10/17/1999 | 94         | 56.4                      | 37.6               |
| 10/18/1999 | 47         | 9.4                       | 37.6               |
| 10/19/1999 | 36         | 0.0                       | 36.0               |
| 10/20/1999 | 30         | 0.0                       | 30.0               |
| 10/21/1999 | 57         | 25.6                      | 31.4               |
| 10/22/1999 | 48         | 15.9                      | 32.1               |
| 10/23/1999 | 31         | 0.0                       | 31.0               |
| 10/24/1999 | 25         | 0.0                       | 25.0               |
| 10/25/1999 | 21         | 0.0                       | 21.0               |
| 10/26/1999 | 20         | 0.0                       | 20.0               |
| 10/27/1999 | 19         | 0.0                       | 19.0               |
| 10/28/1999 | 17         | 0.0                       | 17.0               |
| 10/29/1999 | 17         | 0.3                       | 16.7               |
| 10/30/1999 | 16         | 0.0                       | 16.0               |
| 10/31/1999 | 16         | 0.3                       | 15.7               |
| 11/1/1999  | 15         | 0.0                       | 15.0               |
| 11/2/1999  | 19         | 4.0                       | 15.0               |
| 11/3/1999  | 16         | 1.2                       | 14.8               |
| 11/4/1999  | 15         | 0.4                       | 14.6               |
| 11/5/1999  | 14         | 0.0                       | 14.0               |
| 11/6/1999  | 13         | 0.0                       | 13.0               |
| 11/7/1999  | 12         | 0.0                       | 12.0               |
| 11/8/1999  | 12         | 0.2                       | 11.8               |
| 11/9/1999  | 12         | 0.4                       | 11.6               |
| 11/10/1999 | 12         | 0.6                       | 11.4               |
| 11/11/1999 | 12         | 0.8                       | 11.2               |
| 11/12/1999 | 12         | 0.9                       | 11.1               |
| 11/13/1999 | 11         | 0.1                       | 10.9               |
| 11/14/1999 | 11         | 0.3                       | 10.7               |
| 11/15/1999 | 11         | 0.5                       | 10.5               |
| 11/16/1999 | 11         | 0.7                       | 10.3               |
| 11/17/1999 | 10         | 0.0                       | 10.0               |
| 11/18/1999 | 11         | 1.1                       | 9.9                |
| 11/19/1999 | 11         | 1.2                       | 9.8                |
| 11/20/1999 | 12         | 2.2                       | 9.8                |
| 11/21/1999 | 18         | 7.8                       | 10.2               |
| 11/22/1999 | 13         | 2.8                       | 10.2               |
| 11/23/1999 | 12         | 1.8                       | 10.2               |
| 11/24/1999 | 12         | 1.9                       | 10.1               |
| 11/25/1999 | 14         | 3.8                       | 10.2               |
| 11/26/1999 | 12         | 1.8                       | 10.2               |
| 11/27/1999 | 12         | 1.9                       | 10.1               |
| 11/28/1999 | 10         | 0.1                       | 9.9                |
| 11/29/1999 | 8.7        | 0.0                       | 8.7                |
| 11/30/1999 | 8.4        | 0.0                       | 8.4                |
| 12/1/1999  | 7.7        | 0.0                       | 7.7                |
| 12/2/1999  | 7.5        | 0.0                       | 7.5                |
| 12/3/1999  | 7.6        | 0.2                       | 7.4                |
| 12/4/1999  | 7.5        | 0.3                       | 7.2                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/16/1999 | 1800       | 1287.9                    | 512.1              |
| 10/17/1999 | 1400       | 783.1                     | 616.9              |
| 10/18/1999 | 1110       | 446.4                     | 663.6              |
| 10/19/1999 | 826        | 162.9                     | 663.1              |
| 10/20/1999 | 676        | 33.9                      | 642.1              |
| 10/21/1999 | 585        | 0.0                       | 585.0              |
| 10/22/1999 | 501        | 0.0                       | 501.0              |
| 10/23/1999 | 401        | 0.0                       | 401.0              |
| 10/24/1999 | 322        | 0.0                       | 322.0              |
| 10/25/1999 | 254        | 0.0                       | 254.0              |
| 10/26/1999 | 220        | 0.0                       | 220.0              |
| 10/27/1999 | 186        | 0.0                       | 186.0              |
| 10/28/1999 | 158        | 0.0                       | 158.0              |
| 10/29/1999 | 135        | 0.0                       | 135.0              |
| 10/30/1999 | 122        | 0.0                       | 122.0              |
| 10/31/1999 | 132        | 12.8                      | 119.2              |
| 11/1/1999  | 154        | 34.1                      | 119.9              |
| 11/2/1999  | 142        | 23.2                      | 118.8              |
| 11/3/1999  | 124        | 8.6                       | 115.4              |
| 11/4/1999  | 109        | 0.0                       | 109.0              |
| 11/5/1999  | 92         | 0.0                       | 92.0               |
| 11/6/1999  | 75         | 0.0                       | 75.0               |
| 11/7/1999  | 67         | 0.0                       | 67.0               |
| 11/8/1999  | 63         | 0.0                       | 63.0               |
| 11/9/1999  | 59         | 0.0                       | 59.0               |
| 11/10/1999 | 54         | 0.0                       | 54.0               |
| 11/11/1999 | 52         | 0.1                       | 51.9               |
| 11/12/1999 | 54         | 3.6                       | 50.4               |
| 11/13/1999 | 52         | 3.1                       | 48.9               |
| 11/14/1999 | 50         | 2.7                       | 47.3               |
| 11/15/1999 | 47         | 1.3                       | 45.7               |
| 11/16/1999 | 41         | 0.0                       | 41.0               |
| 11/17/1999 | 39         | 0.0                       | 39.0               |
| 11/18/1999 | 41         | 3.1                       | 37.9               |
| 11/19/1999 | 43         | 5.7                       | 37.3               |
| 11/20/1999 | 51         | 13.1                      | 37.9               |
| 11/21/1999 | 60         | 20.3                      | 39.7               |
| 11/22/1999 | 77         | 33.6                      | 43.4               |
| 11/23/1999 | 85         | 37.3                      | 47.7               |
| 11/24/1999 | 80         | 29.5                      | 50.5               |
| 11/25/1999 | 91         | 36.7                      | 54.3               |
| 11/26/1999 | 93         | 35.2                      | 57.8               |
| 11/27/1999 | 89         | 28.9                      | 60.1               |
| 11/28/1999 | 79         | 18.4                      | 60.6               |
| 11/29/1999 | 68         | 8.4                       | 59.6               |
| 11/30/1999 | 58         | 0.7                       | 57.3               |
| 12/1/1999  | 53         | 0.0                       | 53.0               |
| 12/2/1999  | 51         | 0.1                       | 50.9               |
| 12/3/1999  | 49         | 0.1                       | 48.9               |
| 12/4/1999  | 47         | 0.1                       | 46.9               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/16/1999 | 871        | 731.7                     | 139.3              |
| 10/17/1999 | 971        | 801.1                     | 169.9              |
| 10/18/1999 | 690        | 501.7                     | 188.3              |
| 10/19/1999 | 472        | 274.6                     | 197.4              |
| 10/20/1999 | 340        | 139.0                     | 201.0              |
| 10/21/1999 | 279        | 76.9                      | 202.1              |
| 10/22/1999 | 246        | 44.2                      | 201.8              |
| 10/23/1999 | 197        | 0.0                       | 197.0              |
| 10/24/1999 | 158        | 0.0                       | 158.0              |
| 10/25/1999 | 134        | 0.0                       | 134.0              |
| 10/26/1999 | 117        | 0.0                       | 117.0              |
| 10/27/1999 | 109        | 0.0                       | 109.0              |
| 10/28/1999 | 102        | 0.0                       | 102.0              |
| 10/29/1999 | 97         | 0.0                       | 97.0               |
| 10/30/1999 | 89         | 0.0                       | 89.0               |
| 10/31/1999 | 103        | 14.3                      | 88.7               |
| 11/1/1999  | 127        | 37.7                      | 89.3               |
| 11/2/1999  | 108        | 18.8                      | 89.2               |
| 11/3/1999  | 87         | 0.0                       | 87.0               |
| 11/4/1999  | 78         | 0.0                       | 78.0               |
| 11/5/1999  | 69         | 0.0                       | 69.0               |
| 11/6/1999  | 62         | 0.0                       | 62.0               |
| 11/7/1999  | 60         | 0.0                       | 60.0               |
| 11/8/1999  | 55         | 0.0                       | 55.0               |
| 11/9/1999  | 52         | 0.0                       | 52.0               |
| 11/10/1999 | 50         | 0.0                       | 50.0               |
| 11/11/1999 | 49         | 0.0                       | 49.0               |
| 11/12/1999 | 54         | 5.3                       | 48.7               |
| 11/13/1999 | 52         | 3.6                       | 48.4               |
| 11/14/1999 | 48         | 0.1                       | 47.9               |
| 11/15/1999 | 47         | 0.0                       | 47.0               |
| 11/16/1999 | 46         | 0.0                       | 46.0               |
| 11/17/1999 | 43         | 0.0                       | 43.0               |
| 11/18/1999 | 39         | 0.0                       | 39.0               |
| 11/19/1999 | 44         | 5.2                       | 38.8               |
| 11/20/1999 | 52         | 13.0                      | 39.0               |
| 11/21/1999 | 56         | 16.8                      | 39.2               |
| 11/22/1999 | 71         | 30.9                      | 40.1               |
| 11/23/1999 | 84         | 42.6                      | 41.4               |
| 11/24/1999 | 77         | 34.6                      | 42.4               |
| 11/25/1999 | 92         | 48.1                      | 43.9               |
| 11/26/1999 | 83         | 38.1                      | 44.9               |
| 11/27/1999 | 77         | 31.3                      | 45.7               |
| 11/28/1999 | 66         | 19.9                      | 46.1               |
| 11/29/1999 | 57         | 10.9                      | 46.1               |
| 11/30/1999 | 50         | 4.2                       | 45.8               |
| 12/1/1999  | 55         | 9.3                       | 45.7               |
| 12/2/1999  | 52         | 6.5                       | 45.5               |
| 12/3/1999  | 43         | 0.0                       | 43.0               |
| 12/4/1999  | 41         | 0.0                       | 41.0               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/16/1999 | 1390       | 1085.2                    | 300.8              |
| 10/17/1999 | 1390       | 1014.1                    | 375.9              |
| 10/18/1999 | 1040       | 621.8                     | 418.2              |
| 10/19/1999 | 641        | 214.1                     | 426.9              |
| 10/20/1999 | 367        | 0.0                       | 367.0              |
| 10/21/1999 | 292        | 0.0                       | 292.0              |
| 10/22/1999 | 241        | 0.0                       | 241.0              |
| 10/23/1999 | 164        | 0.0                       | 164.0              |
| 10/24/1999 | 145        | 0.0                       | 145.0              |
| 10/25/1999 | 118        | 0.0                       | 118.0              |
| 10/26/1999 | 112        | 0.0                       | 112.0              |
| 10/27/1999 | 112        | 2.1                       | 109.9              |
| 10/28/1999 | 102        | 0.0                       | 102.0              |
| 10/29/1999 | 98         | 0.0                       | 98.0               |
| 10/30/1999 | 88         | 0.0                       | 88.0               |
| 10/31/1999 | 88         | 1.6                       | 86.4               |
| 11/1/1999  | 105        | 18.8                      | 86.2               |
| 11/2/1999  | 96         | 10.7                      | 85.3               |
| 11/3/1999  | 86         | 2.2                       | 83.8               |
| 11/4/1999  | 80         | 0.0                       | 80.0               |
| 11/5/1999  | 81         | 2.4                       | 78.6               |
| 11/6/1999  | 72         | 0.0                       | 72.0               |
| 11/7/1999  | 65         | 0.0                       | 65.0               |
| 11/8/1999  | 62         | 0.0                       | 62.0               |
| 11/9/1999  | 65         | 3.9                       | 61.1               |
| 11/10/1999 | 70         | 9.4                       | 60.6               |
| 11/11/1999 | 69         | 8.9                       | 60.1               |
| 11/12/1999 | 71         | 11.2                      | 59.8               |
| 11/13/1999 | 66         | 6.9                       | 59.2               |
| 11/14/1999 | 60         | 1.9                       | 58.1               |
| 11/15/1999 | 58         | 1.0                       | 57.0               |
| 11/16/1999 | 63         | 6.6                       | 56.4               |
| 11/17/1999 | 63         | 7.1                       | 55.9               |
| 11/18/1999 | 57         | 2.1                       | 54.9               |
| 11/19/1999 | 58         | 3.9                       | 54.1               |
| 11/20/1999 | 68         | 13.9                      | 54.1               |
| 11/21/1999 | 63         | 9.2                       | 53.8               |
| 11/22/1999 | 63         | 9.5                       | 53.5               |
| 11/23/1999 | 61         | 7.9                       | 53.1               |
| 11/24/1999 | 58         | 5.6                       | 52.4               |
| 11/25/1999 | 60         | 8.0                       | 52.0               |
| 11/26/1999 | 70         | 17.6                      | 52.4               |
| 11/27/1999 | 81         | 27.5                      | 53.5               |
| 11/28/1999 | 74         | 19.9                      | 54.1               |
| 11/29/1999 | 65         | 11.1                      | 53.9               |
| 11/30/1999 | 60         | 6.7                       | 53.3               |
| 12/1/1999  | 54         | 1.6                       | 52.4               |
| 12/2/1999  | 47         | 0.0                       | 47.0               |
| 12/3/1999  | 49         | 2.7                       | 46.3               |
| 12/4/1999  | 52         | 6.2                       | 45.8               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/4/2009  | 19.8       | 0.0                       | 19.8               |
| 6/5/2009  | 22.9       | 3.2                       | 19.7               |
| 6/6/2009  | 34.3       | 13.9                      | 20.4               |
| 6/7/2009  | 36.9       | 15.7                      | 21.2               |
| 6/8/2009  | 26.6       | 5.4                       | 21.2               |
| 6/9/2009  | 25.9       | 4.7                       | 21.2               |
| 6/10/2009 | 24.2       | 3.2                       | 21.0               |
| 6/11/2009 | 22         | 1.3                       | 20.7               |
| 6/12/2009 | 20.7       | 0.4                       | 20.3               |
| 6/13/2009 | 22         | 1.9                       | 20.1               |
| 6/14/2009 | 19.5       | 0.0                       | 19.5               |
| 6/15/2009 | 18.7       | 0.0                       | 18.7               |
| 6/16/2009 | 18.1       | 0.0                       | 18.1               |
| 6/17/2009 | 20.1       | 2.2                       | 17.9               |
| 6/18/2009 | 20.4       | 2.6                       | 17.8               |
| 6/19/2009 | 20.7       | 3.0                       | 17.7               |
| 6/20/2009 | 20.1       | 2.6                       | 17.5               |
| 6/21/2009 | 21.3       | 3.8                       | 17.5               |
| 6/22/2009 | 23.6       | 6.0                       | 17.6               |
| 6/23/2009 | 25.9       | 8.0                       | 17.9               |
| 6/24/2009 | 28.1       | 9.8                       | 18.3               |
| 6/25/2009 | 28.8       | 10.1                      | 18.7               |
| 6/26/2009 | 28.1       | 9.0                       | 19.1               |
| 6/27/2009 | 27.7       | 8.3                       | 19.4               |
| 6/28/2009 | 27.4       | 7.8                       | 19.6               |
| 6/29/2009 | 23.9       | 4.3                       | 19.6               |
| 6/30/2009 | 23.2       | 3.7                       | 19.5               |
| 7/1/2009  | 23.6       | 4.2                       | 19.4               |
| 7/2/2009  | 20.7       | 1.5                       | 19.2               |
| 7/3/2009  | 20.4       | 1.5                       | 18.9               |
| 7/4/2009  | 18.9       | 0.4                       | 18.5               |
| 7/5/2009  | 21.6       | 3.2                       | 18.4               |
| 7/6/2009  | 21         | 2.7                       | 18.3               |
| 7/7/2009  | 18.7       | 0.7                       | 18.0               |
| 7/8/2009  | 24.9       | 6.8                       | 18.1               |
| 7/9/2009  | 22         | 3.9                       | 18.1               |
| 7/10/2009 | 23.6       | 5.4                       | 18.2               |
| 7/11/2009 | 25.6       | 7.2                       | 18.4               |
| 7/12/2009 | 25.9       | 7.3                       | 18.6               |
| 7/13/2009 | 25.9       | 7.1                       | 18.8               |
| 7/14/2009 | 24.2       | 5.4                       | 18.8               |
| 7/15/2009 | 23.2       | 4.4                       | 18.8               |
| 7/16/2009 | 23.6       | 4.8                       | 18.8               |
| 7/17/2009 | 20.4       | 1.8                       | 18.6               |
| 7/18/2009 | 17.5       | 0.0                       | 17.5               |
| 7/19/2009 | 20.1       | 2.7                       | 17.4               |
| 7/20/2009 | 19.5       | 2.3                       | 17.2               |
| 7/21/2009 | 14.9       | 0.0                       | 14.9               |
| 7/22/2009 | 15.2       | 0.6                       | 14.6               |
| 7/23/2009 | 14         | 0.0                       | 14.0               |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/5/1999  | 7.4        | 0.3                       | 7.1                |
| 12/6/1999  | 7.4        | 0.4                       | 7.0                |
| 12/7/1999  | 7.1        | 0.2                       | 6.9                |
| 12/8/1999  | 6.9        | 0.1                       | 6.8                |
| 12/9/1999  | 6.7        | 0.1                       | 6.6                |
| 12/10/1999 | 6.7        | 0.2                       | 6.5                |
| 12/11/1999 | 6.7        | 0.3                       | 6.4                |
| 12/12/1999 | 6.9        | 0.6                       | 6.3                |
| 12/13/1999 | 6.8        | 0.6                       | 6.2                |
| 12/14/1999 | 6.7        | 0.5                       | 6.2                |
| 12/15/1999 | 6.5        | 0.4                       | 6.1                |
| 12/16/1999 | 6.4        | 0.4                       | 6.0                |
| 12/17/1999 | 8.6        | 2.5                       | 6.1                |
| 12/18/1999 | 22         | 14.9                      | 7.1                |
| 12/19/1999 | 20         | 12.0                      | 8.0                |
| 12/20/1999 | 13         | 4.8                       | 8.2                |
| 12/21/1999 | 12         | 3.7                       | 8.3                |
| 12/22/1999 | 11         | 2.6                       | 8.4                |
| 12/23/1999 | 9.7        | 1.4                       | 8.3                |
| 12/24/1999 | 9.3        | 1.1                       | 8.2                |
| 12/25/1999 | 8.3        | 0.2                       | 8.1                |
| 12/26/1999 | 7.8        | 0.0                       | 7.8                |
| 12/27/1999 | 8          | 0.3                       | 7.7                |
| 12/28/1999 | 8.7        | 1.1                       | 7.6                |
| 12/29/1999 | 8.3        | 0.8                       | 7.5                |
| 12/30/1999 | 7.9        | 0.5                       | 7.4                |
| 12/31/1999 | 8          | 0.7                       | 7.3                |
| 1/1/2000   | 7.6        | 0.4                       | 7.2                |
| 1/2/2000   | 7.2        | 0.1                       | 7.1                |
| 1/3/2000   | 7.2        | 0.3                       | 6.9                |
| 1/4/2000   | 7.7        | 0.8                       | 6.9                |
| 1/5/2000   | 7.6        | 0.8                       | 6.8                |
| 1/6/2000   | 13         | 5.9                       | 7.1                |
| 1/7/2000   | 16         | 8.3                       | 7.7                |
| 1/8/2000   | 14         | 6.0                       | 8.0                |
| 1/9/2000   | 12         | 3.9                       | 8.1                |
| 1/10/2000  | 10         | 1.9                       | 8.1                |
| 1/11/2000  | 9.8        | 1.7                       | 8.1                |
| 1/12/2000  | 9.3        | 1.3                       | 8.0                |
| 1/13/2000  | 8.9        | 0.9                       | 8.0                |
| 1/14/2000  | 8.5        | 0.7                       | 7.8                |
| 1/15/2000  | 8          | 0.3                       | 7.7                |
| 1/16/2000  | 7.9        | 0.3                       | 7.6                |
| 1/17/2000  | 7.7        | 0.3                       | 7.4                |
| 1/18/2000  | 7.8        | 0.5                       | 7.3                |
| 1/19/2000  | 6.5        | 0.0                       | 6.5                |
| 1/20/2000  | 6.4        | 0.0                       | 6.4                |
| 1/21/2000  | 6.2        | 0.0                       | 6.2                |
| 1/22/2000  | 11         | 4.6                       | 6.4                |
| 1/23/2000  | 10         | 3.4                       | 6.6                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/5/1999  | 46         | 0.8                       | 45.2               |
| 12/6/1999  | 46         | 2.3                       | 43.7               |
| 12/7/1999  | 46         | 3.5                       | 42.5               |
| 12/8/1999  | 46         | 4.4                       | 41.6               |
| 12/9/1999  | 44         | 3.5                       | 40.5               |
| 12/10/1999 | 42         | 2.7                       | 39.3               |
| 12/11/1999 | 41         | 2.8                       | 38.2               |
| 12/12/1999 | 42         | 4.6                       | 37.4               |
| 12/13/1999 | 43         | 6.1                       | 36.9               |
| 12/14/1999 | 42         | 5.7                       | 36.3               |
| 12/15/1999 | 44         | 7.9                       | 36.1               |
| 12/16/1999 | 45         | 8.9                       | 36.1               |
| 12/17/1999 | 54         | 16.7                      | 37.3               |
| 12/18/1999 | 73         | 32.0                      | 41.0               |
| 12/19/1999 | 79         | 34.2                      | 44.8               |
| 12/20/1999 | 86         | 37.1                      | 48.9               |
| 12/21/1999 | 100        | 45.7                      | 54.3               |
| 12/22/1999 | 80         | 24.0                      | 56.0               |
| 12/23/1999 | 53         | 0.0                       | 53.0               |
| 12/24/1999 | 47         | 0.0                       | 47.0               |
| 12/25/1999 | 41         | 0.0                       | 41.0               |
| 12/26/1999 | 39         | 0.0                       | 39.0               |
| 12/27/1999 | 41         | 3.1                       | 37.9               |
| 12/28/1999 | 42         | 4.8                       | 37.2               |
| 12/29/1999 | 42         | 5.4                       | 36.6               |
| 12/30/1999 | 41         | 5.1                       | 35.9               |
| 12/31/1999 | 40         | 4.8                       | 35.2               |
| 1/1/2000   | 39         | 4.5                       | 34.5               |
| 1/2/2000   | 39         | 5.0                       | 34.0               |
| 1/3/2000   | 41         | 7.2                       | 33.8               |
| 1/4/2000   | 57         | 21.2                      | 35.8               |
| 1/5/2000   | 46         | 10.0                      | 36.0               |
| 1/6/2000   | 58         | 20.2                      | 37.8               |
| 1/7/2000   | 72         | 30.8                      | 41.2               |
| 1/8/2000   | 67         | 23.7                      | 43.3               |
| 1/9/2000   | 63         | 18.4                      | 44.6               |
| 1/10/2000  | 58         | 13.1                      | 44.9               |
| 1/11/2000  | 55         | 10.3                      | 44.7               |
| 1/12/2000  | 51         | 7.0                       | 44.0               |
| 1/13/2000  | 49         | 5.8                       | 43.2               |
| 1/14/2000  | 48         | 5.6                       | 42.4               |
| 1/15/2000  | 46         | 4.6                       | 41.4               |
| 1/16/2000  | 43         | 2.8                       | 40.2               |
| 1/17/2000  | 41         | 2.1                       | 38.9               |
| 1/18/2000  | 40         | 2.3                       | 37.7               |
| 1/19/2000  | 38         | 1.5                       | 36.5               |
| 1/20/2000  | 36         | 0.9                       | 35.1               |
| 1/21/2000  | 33         | 0.0                       | 33.0               |
| 1/22/2000  | 34         | 2.0                       | 32.0               |
| 1/23/2000  | 37         | 5.4                       | 31.6               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/5/1999  | 45         | 4.2                       | 40.8               |
| 12/6/1999  | 45         | 4.5                       | 40.5               |
| 12/7/1999  | 43         | 2.8                       | 40.2               |
| 12/8/1999  | 40         | 0.2                       | 39.8               |
| 12/9/1999  | 47         | 7.3                       | 39.7               |
| 12/10/1999 | 46         | 6.4                       | 39.6               |
| 12/11/1999 | 50         | 10.4                      | 39.6               |
| 12/12/1999 | 50         | 10.4                      | 39.6               |
| 12/13/1999 | 53         | 13.2                      | 39.8               |
| 12/14/1999 | 49         | 9.3                       | 39.7               |
| 12/15/1999 | 43         | 3.5                       | 39.5               |
| 12/16/1999 | 38         | 0.0                       | 38.0               |
| 12/17/1999 | 37         | 0.0                       | 37.0               |
| 12/18/1999 | 52         | 14.8                      | 37.2               |
| 12/19/1999 | 75         | 36.7                      | 38.3               |
| 12/20/1999 | 67         | 27.9                      | 39.1               |
| 12/21/1999 | 58         | 18.6                      | 39.4               |
| 12/22/1999 | 56         | 16.3                      | 39.7               |
| 12/23/1999 | 51         | 11.3                      | 39.7               |
| 12/24/1999 | 47         | 7.4                       | 39.6               |
| 12/25/1999 | 48         | 8.4                       | 39.6               |
| 12/26/1999 | 46         | 6.6                       | 39.4               |
| 12/27/1999 | 44         | 4.8                       | 39.2               |
| 12/28/1999 | 54         | 14.6                      | 39.4               |
| 12/29/1999 | 43         | 3.8                       | 39.2               |
| 12/30/1999 | 34         | 0.0                       | 34.0               |
| 12/31/1999 | 31         | 0.0                       | 31.0               |
| 1/1/2000   | 34         | 3.2                       | 30.8               |
| 1/2/2000   | 34         | 3.4                       | 30.6               |
| 1/3/2000   | 40         | 9.3                       | 30.7               |
| 1/4/2000   | 33         | 2.5                       | 30.5               |
| 1/5/2000   | 29         | 0.0                       | 29.0               |
| 1/6/2000   | 45         | 15.7                      | 29.3               |
| 1/7/2000   | 61         | 30.7                      | 30.3               |
| 1/8/2000   | 56         | 25.0                      | 31.0               |
| 1/9/2000   | 49         | 17.6                      | 31.4               |
| 1/10/2000  | 45         | 13.4                      | 31.6               |
| 1/11/2000  | 42         | 10.3                      | 31.7               |
| 1/12/2000  | 37         | 5.4                       | 31.6               |
| 1/13/2000  | 36         | 4.5                       | 31.5               |
| 1/14/2000  | 36         | 4.7                       | 31.3               |
| 1/15/2000  | 32         | 1.0                       | 31.0               |
| 1/16/2000  | 28         | 0.0                       | 28.0               |
| 1/17/2000  | 26         | 0.0                       | 26.0               |
| 1/18/2000  | 27         | 1.2                       | 25.8               |
| 1/19/2000  | 28         | 2.4                       | 25.6               |
| 1/20/2000  | 28         | 2.5                       | 25.5               |
| 1/21/2000  | 27         | 1.7                       | 25.3               |
| 1/22/2000  | 25         | 0.0                       | 25.0               |
| 1/23/2000  | 25         | 0.2                       | 24.8               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/5/1999  | 47         | 1.9                       | 45.1               |
| 12/6/1999  | 43         | 0.0                       | 43.0               |
| 12/7/1999  | 47         | 4.5                       | 42.5               |
| 12/8/1999  | 51         | 8.7                       | 42.3               |
| 12/9/1999  | 46         | 4.2                       | 41.8               |
| 12/10/1999 | 42         | 0.9                       | 41.1               |
| 12/11/1999 | 41         | 0.7                       | 40.3               |
| 12/12/1999 | 38         | 0.0                       | 38.0               |
| 12/13/1999 | 38         | 0.7                       | 37.3               |
| 12/14/1999 | 41         | 4.1                       | 36.9               |
| 12/15/1999 | 41         | 4.5                       | 36.5               |
| 12/16/1999 | 42         | 5.8                       | 36.2               |
| 12/17/1999 | 41         | 5.1                       | 35.9               |
| 12/18/1999 | 101        | 60.9                      | 40.1               |
| 12/19/1999 | 173        | 123.8                     | 49.2               |
| 12/20/1999 | 132        | 77.6                      | 54.4               |
| 12/21/1999 | 94         | 37.7                      | 56.3               |
| 12/22/1999 | 76         | 19.3                      | 56.7               |
| 12/23/1999 | 65         | 8.7                       | 56.3               |
| 12/24/1999 | 67         | 10.9                      | 56.1               |
| 12/25/1999 | 65         | 9.3                       | 55.7               |
| 12/26/1999 | 61         | 6.0                       | 55.0               |
| 12/27/1999 | 61         | 6.5                       | 54.5               |
| 12/28/1999 | 65         | 10.8                      | 54.2               |
| 12/29/1999 | 55         | 1.7                       | 53.3               |
| 12/30/1999 | 46         | 0.0                       | 46.0               |
| 12/31/1999 | 44         | 0.0                       | 44.0               |
| 1/1/2000   | 42         | 0.0                       | 42.0               |
| 1/2/2000   | 41         | 0.0                       | 41.0               |
| 1/3/2000   | 40         | 0.0                       | 40.0               |
| 1/4/2000   | 43         | 3.5                       | 39.9               |
| 1/5/2000   | 42         | 3.1                       | 38.9               |
| 1/6/2000   | 44         | 5.4                       | 38.6               |
| 1/7/2000   | 162        | 115.0                     | 47.0               |
| 1/8/2000   | 93         | 43.4                      | 49.6               |
| 1/9/2000   | 75         | 24.5                      | 50.5               |
| 1/10/2000  | 69         | 18.0                      | 51.0               |
| 1/11/2000  | 75         | 23.2                      | 51.8               |
| 1/12/2000  | 63         | 11.3                      | 51.7               |
| 1/13/2000  | 60         | 8.7                       | 51.3               |
| 1/14/2000  | 52         | 1.6                       | 50.4               |
| 1/15/2000  | 49         | 0.0                       | 49.0               |
| 1/16/2000  | 48         | 0.0                       | 48.0               |
| 1/17/2000  | 49         | 1.8                       | 47.2               |
| 1/18/2000  | 46         | 0.0                       | 46.0               |
| 1/19/2000  | 46         | 0.9                       | 45.1               |
| 1/20/2000  | 56         | 10.9                      | 45.1               |
| 1/21/2000  | 52         | 7.2                       | 44.8               |
| 1/22/2000  | 45         | 1.0                       | 44.0               |
| 1/23/2000  | 40         | 0.0                       | 40.0               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/24/2009 | 14         | 0.3                       | 13.7               |
| 7/25/2009 | 15.7       | 2.1                       | 13.6               |
| 7/26/2009 | 21         | 7.1                       | 13.9               |
| 7/27/2009 | 22.6       | 8.3                       | 14.3               |
| 7/28/2009 | 13.7       | 0.0                       | 13.7               |
| 7/29/2009 | 10.5       | 0.0                       | 10.5               |
| 7/30/2009 | 10.3       | 0.0                       | 10.3               |
| 7/31/2009 | 9.5        | 0.0                       | 9.5                |
| 8/1/2009  | 8.1        | 0.0                       | 8.1                |
| 8/2/2009  | 6.3        | 0.0                       | 6.3                |
| 8/3/2009  | 8.4        | 2.1                       | 6.3                |
| 8/4/2009  | 11.1       | 4.5                       | 6.6                |
| 8/5/2009  | 9          | 2.4                       | 6.6                |
| 8/6/2009  | 9          | 2.3                       | 6.7                |
| 8/7/2009  | 9.9        | 3.1                       | 6.8                |
| 8/8/2009  | 9.3        | 2.4                       | 6.9                |
| 8/9/2009  | 9.9        | 2.9                       | 7.0                |
| 8/10/2009 | 9.5        | 2.5                       | 7.0                |
| 8/11/2009 | 8.2        | 1.2                       | 7.0                |
| 8/12/2009 | 6.6        | 0.0                       | 6.6                |
| 8/13/2009 | 6.3        | 0.0                       | 6.3                |
| 8/14/2009 | 7.7        | 1.4                       | 6.3                |
| 8/15/2009 | 8.8        | 2.4                       | 6.4                |
| 8/16/2009 | 9.9        | 3.4                       | 6.5                |
| 8/17/2009 | 12.8       | 6.0                       | 6.8                |
| 8/18/2009 | 13.5       | 6.3                       | 7.2                |
| 8/19/2009 | 13.5       | 6.0                       | 7.5                |
| 8/20/2009 | 16.2       | 8.2                       | 8.0                |
| 8/21/2009 | 19.2       | 10.5                      | 8.7                |
| 8/22/2009 | 20.1       | 10.7                      | 9.4                |
| 8/23/2009 | 24.9       | 14.5                      | 10.4               |
| 8/24/2009 | 25.6       | 14.3                      | 11.3               |
| 8/25/2009 | 21         | 9.2                       | 11.8               |
| 8/26/2009 | 22.3       | 9.9                       | 12.4               |
| 8/27/2009 | 22         | 9.1                       | 12.9               |
| 8/28/2009 | 22.3       | 9.0                       | 13.3               |
| 8/29/2009 | 21.3       | 7.6                       | 13.7               |
| 8/30/2009 | 22         | 8.0                       | 14.0               |
| 8/31/2009 | 19.8       | 5.6                       | 14.2               |
| 9/1/2009  | 62.1       | 44.6                      | 17.5               |
| 9/2/2009  | 47.2       | 27.8                      | 19.4               |
| 9/3/2009  | 35.2       | 15.0                      | 20.2               |
| 9/4/2009  | 34.7       | 13.8                      | 20.9               |
| 9/5/2009  | 49.8       | 27.2                      | 22.6               |
| 9/6/2009  | 47.7       | 23.6                      | 24.1               |
| 9/7/2009  | 45.7       | 20.5                      | 25.2               |
| 9/8/2009  | 47.2       | 20.8                      | 26.4               |
| 9/9/2009  | 45.7       | 18.4                      | 27.3               |
| 9/10/2009 | 45.7       | 17.5                      | 28.2               |
| 9/11/2009 | 46.7       | 17.7                      | 29.0               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/24/2000 | 13         | 6.1                       | 6.9                |
| 1/25/2000 | 9.6        | 2.6                       | 7.0                |
| 1/26/2000 | 7.4        | 0.5                       | 6.9                |
| 1/27/2000 | 6.4        | 0.0                       | 6.4                |
| 1/28/2000 | 6.3        | 0.0                       | 6.3                |
| 1/29/2000 | 6.4        | 0.2                       | 6.2                |
| 1/30/2000 | 6.1        | 0.1                       | 6.0                |
| 1/31/2000 | 6.4        | 0.4                       | 6.0                |
| 2/1/2000  | 6.5        | 0.6                       | 5.9                |
| 2/2/2000  | 6.3        | 0.5                       | 5.8                |
| 2/3/2000  | 6.6        | 0.8                       | 5.8                |
| 2/4/2000  | 6.4        | 0.7                       | 5.7                |
| 2/5/2000  | 6.1        | 0.5                       | 5.6                |
| 2/6/2000  | 6          | 0.4                       | 5.6                |
| 2/7/2000  | 6.1        | 0.6                       | 5.5                |
| 2/8/2000  | 6.1        | 0.7                       | 5.4                |
| 2/9/2000  | 6.3        | 0.9                       | 5.4                |
| 2/10/2000 | 6.1        | 0.8                       | 5.3                |
| 2/11/2000 | 5.9        | 0.6                       | 5.3                |
| 2/12/2000 | 5.9        | 0.7                       | 5.2                |
| 2/13/2000 | 5.9        | 0.7                       | 5.2                |
| 2/14/2000 | 5.8        | 0.7                       | 5.1                |
| 2/15/2000 | 5.9        | 0.8                       | 5.1                |
| 2/16/2000 | 5.8        | 0.7                       | 5.1                |
| 2/17/2000 | 5.7        | 0.7                       | 5.0                |
| 2/18/2000 | 5.7        | 0.7                       | 5.0                |
| 2/19/2000 | 5.7        | 0.8                       | 4.9                |
| 2/20/2000 | 5.5        | 0.6                       | 4.9                |
| 2/21/2000 | 5.3        | 0.5                       | 4.8                |
| 2/22/2000 | 5.3        | 0.5                       | 4.8                |
| 2/23/2000 | 5.2        | 0.5                       | 4.7                |
| 2/24/2000 | 5.2        | 0.5                       | 4.7                |
| 2/25/2000 | 5.3        | 0.7                       | 4.6                |
| 2/26/2000 | 5.1        | 0.5                       | 4.6                |
| 2/27/2000 | 5.1        | 0.6                       | 4.5                |
| 2/28/2000 | 5.1        | 0.6                       | 4.5                |
| 2/29/2000 | 4.9        | 0.5                       | 4.4                |
| 3/1/2000  | 4.8        | 0.4                       | 4.4                |
| 3/2/2000  | 4.8        | 0.5                       | 4.3                |
| 3/3/2000  | 4.7        | 0.4                       | 4.3                |
| 3/4/2000  | 4.7        | 0.5                       | 4.2                |
| 3/5/2000  | 4.6        | 0.4                       | 4.2                |
| 3/6/2000  | 4.5        | 0.4                       | 4.1                |
| 3/7/2000  | 4.4        | 0.3                       | 4.1                |
| 3/8/2000  | 4.4        | 0.4                       | 4.0                |
| 3/9/2000  | 4.3        | 0.3                       | 4.0                |
| 3/10/2000 | 4.2        | 0.3                       | 3.9                |
| 3/11/2000 | 4.4        | 0.5                       | 3.9                |
| 3/12/2000 | 4.3        | 0.5                       | 3.8                |
| 3/13/2000 | 4.2        | 0.4                       | 3.8                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/24/2000 | 58         | 23.9                      | 34.1               |
| 1/25/2000 | 71         | 33.0                      | 38.0               |
| 1/26/2000 | 64         | 23.7                      | 40.3               |
| 1/27/2000 | 57         | 15.8                      | 41.2               |
| 1/28/2000 | 55         | 13.3                      | 41.7               |
| 1/29/2000 | 52         | 10.3                      | 41.7               |
| 1/30/2000 | 50         | 8.6                       | 41.4               |
| 1/31/2000 | 47         | 6.3                       | 40.7               |
| 2/1/2000  | 46         | 5.9                       | 40.1               |
| 2/2/2000  | 45         | 5.6                       | 39.4               |
| 2/3/2000  | 46         | 7.1                       | 38.9               |
| 2/4/2000  | 47         | 8.3                       | 38.7               |
| 2/5/2000  | 45         | 6.8                       | 38.2               |
| 2/6/2000  | 42         | 4.6                       | 37.4               |
| 2/7/2000  | 40         | 3.5                       | 36.5               |
| 2/8/2000  | 39         | 3.4                       | 35.6               |
| 2/9/2000  | 41         | 5.9                       | 35.1               |
| 2/10/2000 | 41         | 6.3                       | 34.7               |
| 2/11/2000 | 40         | 5.8                       | 34.2               |
| 2/12/2000 | 39         | 5.3                       | 33.7               |
| 2/13/2000 | 39         | 5.7                       | 33.3               |
| 2/14/2000 | 37         | 4.4                       | 32.6               |
| 2/15/2000 | 37         | 4.9                       | 32.1               |
| 2/16/2000 | 37         | 5.3                       | 31.7               |
| 2/17/2000 | 35         | 3.9                       | 31.1               |
| 2/18/2000 | 34         | 3.6                       | 30.4               |
| 2/19/2000 | 33         | 3.3                       | 29.7               |
| 2/20/2000 | 31         | 2.1                       | 28.9               |
| 2/21/2000 | 30         | 2.0                       | 28.0               |
| 2/22/2000 | 31         | 3.5                       | 27.5               |
| 2/23/2000 | 34         | 6.6                       | 27.4               |
| 2/24/2000 | 35         | 7.5                       | 27.5               |
| 2/25/2000 | 35         | 7.4                       | 27.6               |
| 2/26/2000 | 35         | 7.3                       | 27.7               |
| 2/27/2000 | 35         | 7.3                       | 27.7               |
| 2/28/2000 | 34         | 6.4                       | 27.6               |
| 2/29/2000 | 32         | 4.7                       | 27.3               |
| 3/1/2000  | 32         | 5.0                       | 27.0               |
| 3/2/2000  | 32         | 5.2                       | 26.8               |
| 3/3/2000  | 33         | 6.3                       | 26.7               |
| 3/4/2000  | 32         | 5.5                       | 26.5               |
| 3/5/2000  | 31         | 4.8                       | 26.2               |
| 3/6/2000  | 31         | 5.0                       | 26.0               |
| 3/7/2000  | 29         | 3.5                       | 25.5               |
| 3/8/2000  | 29         | 3.9                       | 25.1               |
| 3/9/2000  | 29         | 4.2                       | 24.8               |
| 3/10/2000 | 30         | 5.4                       | 24.6               |
| 3/11/2000 | 30         | 5.5                       | 24.5               |
| 3/12/2000 | 30         | 5.6                       | 24.4               |
| 3/13/2000 | 30         | 5.6                       | 24.4               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/24/2000 | 37         | 12.0                      | 25.0               |
| 1/25/2000 | 37         | 11.8                      | 25.2               |
| 1/26/2000 | 33         | 7.7                       | 25.3               |
| 1/27/2000 | 30         | 4.8                       | 25.2               |
| 1/28/2000 | 28         | 2.9                       | 25.1               |
| 1/29/2000 | 31         | 5.9                       | 25.1               |
| 1/30/2000 | 33         | 7.9                       | 25.1               |
| 1/31/2000 | 29         | 4.0                       | 25.0               |
| 2/1/2000  | 29         | 4.1                       | 24.9               |
| 2/2/2000  | 27         | 2.2                       | 24.8               |
| 2/3/2000  | 27         | 2.4                       | 24.6               |
| 2/4/2000  | 26         | 1.6                       | 24.4               |
| 2/5/2000  | 26         | 1.7                       | 24.3               |
| 2/6/2000  | 24         | 0.0                       | 24.0               |
| 2/7/2000  | 24         | 0.2                       | 23.8               |
| 2/8/2000  | 25         | 1.4                       | 23.6               |
| 2/9/2000  | 25         | 1.6                       | 23.4               |
| 2/10/2000 | 24         | 0.8                       | 23.2               |
| 2/11/2000 | 24         | 1.0                       | 23.0               |
| 2/12/2000 | 24         | 1.2                       | 22.8               |
| 2/13/2000 | 22         | 0.0                       | 22.0               |
| 2/14/2000 | 23         | 1.2                       | 21.8               |
| 2/15/2000 | 23         | 1.3                       | 21.7               |
| 2/16/2000 | 22         | 0.5                       | 21.5               |
| 2/17/2000 | 21         | 0.0                       | 21.0               |
| 2/18/2000 | 20         | 0.0                       | 20.0               |
| 2/19/2000 | 19         | 0.0                       | 19.0               |
| 2/20/2000 | 19         | 0.2                       | 18.8               |
| 2/21/2000 | 19         | 0.4                       | 18.6               |
| 2/22/2000 | 21         | 2.4                       | 18.6               |
| 2/23/2000 | 20         | 1.6                       | 18.4               |
| 2/24/2000 | 20         | 1.7                       | 18.3               |
| 2/25/2000 | 19         | 0.8                       | 18.2               |
| 2/26/2000 | 19         | 1.0                       | 18.0               |
| 2/27/2000 | 19         | 1.1                       | 17.9               |
| 2/28/2000 | 18         | 0.3                       | 17.7               |
| 2/29/2000 | 18         | 0.4                       | 17.6               |
| 3/1/2000  | 19         | 1.6                       | 17.4               |
| 3/2/2000  | 18         | 0.7                       | 17.3               |
| 3/3/2000  | 18         | 0.8                       | 17.2               |
| 3/4/2000  | 17         | 0.0                       | 17.0               |
| 3/5/2000  | 17         | 0.2                       | 16.8               |
| 3/6/2000  | 19         | 2.3                       | 16.7               |
| 3/7/2000  | 20         | 3.3                       | 16.7               |
| 3/8/2000  | 17         | 0.4                       | 16.6               |
| 3/9/2000  | 16         | 0.0                       | 16.0               |
| 3/10/2000 | 15         | 0.0                       | 15.0               |
| 3/11/2000 | 15         | 0.1                       | 14.9               |
| 3/12/2000 | 20         | 5.1                       | 14.9               |
| 3/13/2000 | 20         | 5.0                       | 15.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/24/2000 | 63         | 22.0                      | 41.0               |
| 1/25/2000 | 76         | 33.2                      | 42.8               |
| 1/26/2000 | 61         | 17.6                      | 43.4               |
| 1/27/2000 | 65         | 20.8                      | 44.2               |
| 1/28/2000 | 76         | 30.3                      | 45.7               |
| 1/29/2000 | 68         | 21.5                      | 46.5               |
| 1/30/2000 | 61         | 14.3                      | 46.7               |
| 1/31/2000 | 59         | 12.2                      | 46.8               |
| 2/1/2000  | 68         | 20.5                      | 47.5               |
| 2/2/2000  | 69         | 20.8                      | 48.2               |
| 2/3/2000  | 71         | 22.0                      | 49.0               |
| 2/4/2000  | 82         | 31.5                      | 50.5               |
| 2/5/2000  | 45         | 0.0                       | 45.0               |
| 2/6/2000  | 41         | 0.0                       | 41.0               |
| 2/7/2000  | 41         | 0.8                       | 40.2               |
| 2/8/2000  | 43         | 3.3                       | 39.7               |
| 2/9/2000  | 43         | 3.8                       | 39.2               |
| 2/10/2000 | 44         | 5.2                       | 38.8               |
| 2/11/2000 | 48         | 9.2                       | 38.8               |
| 2/12/2000 | 47         | 8.3                       | 38.7               |
| 2/13/2000 | 44         | 5.6                       | 38.4               |
| 2/14/2000 | 41         | 3.2                       | 37.8               |
| 2/15/2000 | 39         | 1.8                       | 37.2               |
| 2/16/2000 | 38         | 1.4                       | 36.6               |
| 2/17/2000 | 40         | 3.8                       | 36.2               |
| 2/18/2000 | 40         | 4.2                       | 35.8               |
| 2/19/2000 | 47         | 11.0                      | 36.0               |
| 2/20/2000 | 37         | 1.6                       | 35.4               |
| 2/21/2000 | 34         | 0.0                       | 34.0               |
| 2/22/2000 | 35         | 1.6                       | 33.4               |
| 2/23/2000 | 36         | 3.0                       | 33.0               |
| 2/24/2000 | 40         | 7.1                       | 32.9               |
| 2/25/2000 | 43         | 9.9                       | 33.1               |
| 2/26/2000 | 47         | 13.5                      | 33.5               |
| 2/27/2000 | 45         | 11.3                      | 33.7               |
| 2/28/2000 | 43         | 9.2                       | 33.8               |
| 2/29/2000 | 52         | 17.5                      | 34.5               |
| 3/1/2000  | 50         | 15.0                      | 35.0               |
| 3/2/2000  | 47         | 11.8                      | 35.2               |
| 3/3/2000  | 51         | 15.2                      | 35.8               |
| 3/4/2000  | 43         | 7.4                       | 35.6               |
| 3/5/2000  | 36         | 1.0                       | 35.0               |
| 3/6/2000  | 34         | 0.0                       | 34.0               |
| 3/7/2000  | 32         | 0.0                       | 32.0               |
| 3/8/2000  | 39         | 7.1                       | 31.9               |
| 3/9/2000  | 44         | 11.8                      | 32.2               |
| 3/10/2000 | 38         | 5.9                       | 32.1               |
| 3/11/2000 | 35         | 3.3                       | 31.7               |
| 3/12/2000 | 32         | 0.9                       | 31.0               |
| 3/13/2000 | 31         | 0.5                       | 30.5               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/12/2009  | 46.7       | 10.9                      | 29.8               |
| 9/13/2009  | 50.3       | 19.5                      | 30.8               |
| 9/14/2009  | 59.1       | 26.8                      | 32.3               |
| 9/15/2009  | 57.4       | 23.8                      | 33.6               |
| 9/16/2009  | 58         | 23.3                      | 34.8               |
| 9/17/2009  | 57.4       | 21.6                      | 35.8               |
| 9/18/2009  | 60.3       | 23.4                      | 36.9               |
| 9/19/2009  | 63.9       | 25.6                      | 38.3               |
| 9/20/2009  | 65.8       | 26.2                      | 39.6               |
| 9/21/2009  | 67         | 26.1                      | 40.9               |
| 9/22/2009  | 68.9       | 26.7                      | 42.2               |
| 9/23/2009  | 72.8       | 29.1                      | 43.7               |
| 9/24/2009  | 67.6       | 23.0                      | 44.6               |
| 9/25/2009  | 63.9       | 18.7                      | 45.2               |
| 9/26/2009  | 56.3       | 11.1                      | 45.2               |
| 9/27/2009  | 51.4       | 6.6                       | 44.8               |
| 9/28/2009  | 53         | 8.4                       | 44.6               |
| 9/29/2009  | 47.2       | 3.2                       | 44.0               |
| 9/30/2009  | 48.7       | 5.2                       | 43.5               |
| 10/1/2009  | 44.2       | 1.4                       | 42.8               |
| 10/2/2009  | 39.5       | 0.0                       | 39.5               |
| 10/3/2009  | 39.1       | 0.4                       | 38.7               |
| 10/4/2009  | 36         | 0.0                       | 36.0               |
| 10/5/2009  | 31.9       | 0.0                       | 31.9               |
| 10/6/2009  | 31.9       | 0.6                       | 31.3               |
| 10/7/2009  | 31.9       | 1.1                       | 30.8               |
| 10/8/2009  | 31.9       | 1.6                       | 30.3               |
| 10/9/2009  | 27.4       | 0.0                       | 27.4               |
| 10/10/2009 | 25.2       | 0.0                       | 25.2               |
| 10/11/2009 | 27.4       | 2.5                       | 24.9               |
| 10/12/2009 | 23.9       | 0.0                       | 23.9               |
| 10/13/2009 | 26.3       | 2.7                       | 23.6               |
| 10/14/2009 | 29.2       | 5.6                       | 23.6               |
| 10/15/2009 | 31.1       | 7.4                       | 23.7               |
| 10/16/2009 | 30         | 6.2                       | 23.8               |
| 10/17/2009 | 38.6       | 14.2                      | 24.4               |
| 10/18/2009 | 43.3       | 17.9                      | 25.4               |
| 10/19/2009 | 44.2       | 17.9                      | 26.3               |
| 10/20/2009 | 38.6       | 11.9                      | 26.7               |
| 10/21/2009 | 40.5       | 13.3                      | 27.2               |
| 10/22/2009 | 39.1       | 11.5                      | 27.6               |
| 10/23/2009 | 36.9       | 9.1                       | 27.8               |
| 10/24/2009 | 36         | 8.1                       | 27.9               |
| 10/25/2009 | 37.3       | 9.2                       | 28.1               |
| 10/26/2009 | 31.5       | 3.7                       | 27.8               |
| 10/27/2009 | 28.1       | 0.8                       | 27.3               |
| 10/28/2009 | 31.9       | 4.8                       | 27.1               |
| 10/29/2009 | 31.9       | 4.9                       | 27.0               |
| 10/30/2009 | 31.9       | 5.0                       | 26.9               |
| 10/31/2009 | 32.7       | 5.9                       | 26.8               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/14/2000 | 4.1        | 0.4                       | 3.7                |
| 3/15/2000 | 4          | 0.3                       | 3.7                |
| 3/16/2000 | 4          | 0.4                       | 3.6                |
| 3/17/2000 | 5.4        | 1.7                       | 3.7                |
| 3/18/2000 | 4.6        | 0.9                       | 3.7                |
| 3/19/2000 | 7.8        | 3.9                       | 3.9                |
| 3/20/2000 | 17         | 12.2                      | 4.8                |
| 3/21/2000 | 8.2        | 3.2                       | 5.0                |
| 3/22/2000 | 6.8        | 1.8                       | 5.0                |
| 3/23/2000 | 6.2        | 1.2                       | 5.0                |
| 3/24/2000 | 6.3        | 1.3                       | 5.0                |
| 3/25/2000 | 5.7        | 0.7                       | 5.0                |
| 3/26/2000 | 5          | 0.1                       | 4.9                |
| 3/27/2000 | 5.3        | 0.5                       | 4.8                |
| 3/28/2000 | 5.6        | 0.8                       | 4.8                |
| 3/29/2000 | 5          | 0.3                       | 4.7                |
| 3/30/2000 | 4.7        | 0.1                       | 4.6                |
| 3/31/2000 | 5.1        | 0.5                       | 4.6                |
| 4/1/2000  | 5          | 0.5                       | 4.5                |
| 4/2/2000  | 4.7        | 0.2                       | 4.5                |
| 4/3/2000  | 4.6        | 0.2                       | 4.4                |
| 4/4/2000  | 4.5        | 0.2                       | 4.3                |
| 4/5/2000  | 4.2        | 0.0                       | 4.2                |
| 4/6/2000  | 4.7        | 0.5                       | 4.2                |
| 4/7/2000  | 4.8        | 0.7                       | 4.1                |
| 4/8/2000  | 4.6        | 0.5                       | 4.1                |
| 4/9/2000  | 4.3        | 0.3                       | 4.0                |
| 4/10/2000 | 4.2        | 0.2                       | 4.0                |
| 4/11/2000 | 4.1        | 0.2                       | 3.9                |
| 4/12/2000 | 4.3        | 0.4                       | 3.9                |
| 4/13/2000 | 9.9        | 5.7                       | 4.2                |
| 4/14/2000 | 19         | 13.7                      | 5.3                |
| 4/15/2000 | 12         | 6.3                       | 5.7                |
| 4/16/2000 | 11         | 5.1                       | 5.9                |
| 4/17/2000 | 8.6        | 2.6                       | 6.0                |
| 4/18/2000 | 7.9        | 1.8                       | 6.1                |
| 4/19/2000 | 7.3        | 1.3                       | 6.0                |
| 4/20/2000 | 6.7        | 0.7                       | 6.0                |
| 4/21/2000 | 6.4        | 0.5                       | 5.9                |
| 4/22/2000 | 5.9        | 0.1                       | 5.8                |
| 4/23/2000 | 5.8        | 0.1                       | 5.7                |
| 4/24/2000 | 5.6        | 0.0                       | 5.6                |
| 4/25/2000 | 5.3        | 0.0                       | 5.3                |
| 4/26/2000 | 5.1        | 0.0                       | 5.1                |
| 4/27/2000 | 5          | 0.0                       | 5.0                |
| 4/28/2000 | 4.9        | 0.0                       | 4.9                |
| 4/29/2000 | 4.8        | 0.0                       | 4.8                |
| 4/30/2000 | 4.4        | 0.0                       | 4.4                |
| 5/1/2000  | 4.2        | 0.0                       | 4.2                |
| 5/2/2000  | 4.2        | 0.1                       | 4.1                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/14/2000 | 30         | 5.7                       | 24.3               |
| 3/15/2000 | 30         | 5.8                       | 24.2               |
| 3/16/2000 | 31         | 6.7                       | 24.3               |
| 3/17/2000 | 33         | 8.3                       | 24.7               |
| 3/18/2000 | 34         | 8.9                       | 25.1               |
| 3/19/2000 | 36         | 10.2                      | 25.8               |
| 3/20/2000 | 43         | 15.7                      | 27.3               |
| 3/21/2000 | 44         | 15.4                      | 28.6               |
| 3/22/2000 | 36         | 7.3                       | 28.7               |
| 3/23/2000 | 29         | 1.3                       | 27.7               |
| 3/24/2000 | 31         | 3.8                       | 27.2               |
| 3/25/2000 | 38         | 10.2                      | 27.8               |
| 3/26/2000 | 43         | 14.1                      | 28.9               |
| 3/27/2000 | 41         | 11.4                      | 29.6               |
| 3/28/2000 | 46         | 15.2                      | 30.8               |
| 3/29/2000 | 43         | 11.6                      | 31.4               |
| 3/30/2000 | 38         | 6.7                       | 31.3               |
| 3/31/2000 | 37         | 6.0                       | 31.0               |
| 4/1/2000  | 37         | 6.3                       | 30.7               |
| 4/2/2000  | 36         | 5.6                       | 30.4               |
| 4/3/2000  | 35         | 5.0                       | 30.0               |
| 4/4/2000  | 33         | 3.6                       | 29.4               |
| 4/5/2000  | 31         | 2.4                       | 28.6               |
| 4/6/2000  | 32         | 3.9                       | 28.1               |
| 4/7/2000  | 34         | 6.1                       | 27.9               |
| 4/8/2000  | 34         | 6.2                       | 27.8               |
| 4/9/2000  | 32         | 4.6                       | 27.1               |
| 4/10/2000 | 32         | 4.9                       | 27.4               |
| 4/11/2000 | 32         | 5.2                       | 26.8               |
| 4/12/2000 | 32         | 5.4                       | 26.6               |
| 4/13/2000 | 36         | 9.0                       | 27.0               |
| 4/14/2000 | 62         | 31.1                      | 30.9               |
| 4/15/2000 | 93         | 54.6                      | 38.4               |
| 4/16/2000 | 86         | 42.4                      | 43.6               |
| 4/17/2000 | 61         | 16.5                      | 44.5               |
| 4/18/2000 | 41         | 0.0                       | 41.0               |
| 4/19/2000 | 37         | 0.0                       | 37.0               |
| 4/20/2000 | 35         | 0.0                       | 35.0               |
| 4/21/2000 | 32         | 0.0                       | 32.0               |
| 4/22/2000 | 29         | 0.0                       | 29.0               |
| 4/23/2000 | 28         | 0.1                       | 27.9               |
| 4/24/2000 | 29         | 1.9                       | 27.1               |
| 4/25/2000 | 27         | 0.9                       | 26.1               |
| 4/26/2000 | 24         | 0.0                       | 24.0               |
| 4/27/2000 | 23         | 0.0                       | 23.0               |
| 4/28/2000 | 24         | 1.7                       | 22.3               |
| 4/29/2000 | 24         | 2.2                       | 21.8               |
| 4/30/2000 | 23         | 1.8                       | 21.2               |
| 5/1/2000  | 26         | 4.9                       | 21.1               |
| 5/2/2000  | 27         | 5.8                       | 21.2               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/14/2000 | 19         | 4.0                       | 15.0               |
| 3/15/2000 | 18         | 3.1                       | 14.9               |
| 3/16/2000 | 17         | 2.1                       | 14.9               |
| 3/17/2000 | 20         | 5.1                       | 14.9               |
| 3/18/2000 | 18         | 3.1                       | 14.9               |
| 3/19/2000 | 19         | 4.1                       | 14.9               |
| 3/20/2000 | 33         | 17.5                      | 15.5               |
| 3/21/2000 | 34         | 18.0                      | 16.0               |
| 3/22/2000 | 29         | 12.6                      | 16.4               |
| 3/23/2000 | 24         | 7.5                       | 16.5               |
| 3/24/2000 | 23         | 6.4                       | 16.6               |
| 3/25/2000 | 22         | 5.3                       | 16.7               |
| 3/26/2000 | 20         | 3.4                       | 16.6               |
| 3/27/2000 | 19         | 2.4                       | 16.6               |
| 3/28/2000 | 20         | 3.5                       | 16.5               |
| 3/29/2000 | 19         | 2.5                       | 16.5               |
| 3/30/2000 | 18         | 1.6                       | 16.4               |
| 3/31/2000 | 17         | 0.8                       | 16.2               |
| 4/1/2000  | 16         | 0.0                       | 16.0               |
| 4/2/2000  | 16         | 0.2                       | 15.8               |
| 4/3/2000  | 16         | 0.3                       | 15.7               |
| 4/4/2000  | 15         | 0.0                       | 15.0               |
| 4/5/2000  | 15         | 0.1                       | 14.9               |
| 4/6/2000  | 15         | 0.3                       | 14.7               |
| 4/7/2000  | 15         | 0.4                       | 14.6               |
| 4/8/2000  | 14         | 0.0                       | 14.0               |
| 4/9/2000  | 14         | 0.1                       | 13.9               |
| 4/10/2000 | 12         | 0.0                       | 12.0               |
| 4/11/2000 | 12         | 0.1                       | 11.9               |
| 4/12/2000 | 13         | 1.2                       | 11.8               |
| 4/13/2000 | 13         | 1.3                       | 11.7               |
| 4/14/2000 | 22         | 10.0                      | 12.0               |
| 4/15/2000 | 30         | 17.4                      | 12.6               |
| 4/16/2000 | 29         | 15.9                      | 13.1               |
| 4/17/2000 | 27         | 13.5                      | 13.5               |
| 4/18/2000 | 23         | 9.2                       | 13.8               |
| 4/19/2000 | 19         | 5.2                       | 13.8               |
| 4/20/2000 | 18         | 4.1                       | 13.9               |
| 4/21/2000 | 16         | 2.2                       | 13.8               |
| 4/22/2000 | 15         | 1.3                       | 13.7               |
| 4/23/2000 | 14         | 0.4                       | 13.6               |
| 4/24/2000 | 14         | 0.5                       | 13.5               |
| 4/25/2000 | 13         | 0.0                       | 13.0               |
| 4/26/2000 | 13         | 0.1                       | 12.9               |
| 4/27/2000 | 13         | 0.2                       | 12.8               |
| 4/28/2000 | 12         | 0.0                       | 12.0               |
| 4/29/2000 | 12         | 0.1                       | 11.9               |
| 4/30/2000 | 14         | 2.1                       | 11.9               |
| 5/1/2000  | 15         | 3.1                       | 11.9               |
| 5/2/2000  | 14         | 2.2                       | 11.8               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/14/2000 | 32         | 1.9                       | 30.1               |
| 3/15/2000 | 37         | 7.0                       | 30.0               |
| 3/16/2000 | 33         | 3.3                       | 29.7               |
| 3/17/2000 | 60         | 28.6                      | 31.4               |
| 3/18/2000 | 48         | 16.0                      | 32.0               |
| 3/19/2000 | 71         | 36.7                      | 34.3               |
| 3/20/2000 | 91         | 53.1                      | 37.9               |
| 3/21/2000 | 142        | 97.1                      | 44.9               |
| 3/22/2000 | 69         | 23.1                      | 45.9               |
| 3/23/2000 | 50         | 4.7                       | 45.3               |
| 3/24/2000 | 45         | 0.5                       | 44.5               |
| 3/25/2000 | 42         | 0.0                       | 42.0               |
| 3/26/2000 | 36         | 0.0                       | 36.0               |
| 3/27/2000 | 36         | 0.7                       | 35.3               |
| 3/28/2000 | 46         | 10.5                      | 35.5               |
| 3/29/2000 | 52         | 16.0                      | 36.0               |
| 3/30/2000 | 46         | 9.9                       | 36.1               |
| 3/31/2000 | 41         | 5.2                       | 35.8               |
| 4/1/2000  | 42         | 6.4                       | 35.6               |
| 4/2/2000  | 47         | 11.2                      | 35.8               |
| 4/3/2000  | 42         | 6.4                       | 35.6               |
| 4/4/2000  | 44         | 8.5                       | 35.5               |
| 4/5/2000  | 46         | 10.3                      | 35.7               |
| 4/6/2000  | 49         | 13.0                      | 36.0               |
| 4/7/2000  | 46         | 9.9                       | 36.1               |
| 4/8/2000  | 51         | 14.5                      | 36.5               |
| 4/9/2000  | 46         | 9.5                       | 36.5               |
| 4/10/2000 | 43         | 6.7                       | 36.3               |
| 4/11/2000 | 41         | 5.0                       | 36.0               |
| 4/12/2000 | 45         | 9.0                       | 36.0               |
| 4/13/2000 | 85         | 46.0                      | 39.0               |
| 4/14/2000 | 162        | 114.6                     | 47.4               |
| 4/15/2000 | 231        | 170.9                     | 60.1               |
| 4/16/2000 | 188        | 119.6                     | 68.4               |
| 4/17/2000 | 138        | 65.7                      | 72.3               |
| 4/18/2000 | 85         | 13.1                      | 71.9               |
| 4/19/2000 | 61         | 0.0                       | 61.0               |
| 4/20/2000 | 44         | 0.0                       | 44.0               |
| 4/21/2000 | 40         | 0.0                       | 40.0               |
| 4/22/2000 | 53         | 12.8                      | 40.2               |
| 4/23/2000 | 46         | 6.1                       | 39.9               |
| 4/24/2000 | 43         | 3.6                       | 39.4               |
| 4/25/2000 | 39         | 0.4                       | 38.6               |
| 4/26/2000 | 37         | 0.0                       | 37.0               |
| 4/27/2000 | 35         | 0.0                       | 35.0               |
| 4/28/2000 | 41         | 6.2                       | 34.8               |
| 4/29/2000 | 46         | 11.0                      | 35.0               |
| 4/30/2000 | 42         | 7.1                       | 34.9               |
| 5/1/2000  | 41         | 6.3                       | 34.7               |
| 5/2/2000  | 40         | 5.6                       | 34.4               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/11/2009 | 36.9       | 9.9                       | 27.0               |
| 11/12/2009 | 43.7       | 15.9                      | 27.8               |
| 11/13/2009 | 53.5       | 24.3                      | 29.2               |
| 11/14/2009 | 43.7       | 14.0                      | 29.7               |
| 11/15/2009 | 51.4       | 20.6                      | 30.8               |
| 11/16/2009 | 45.7       | 14.4                      | 31.3               |
| 11/17/2009 | 43.7       | 12.1                      | 31.6               |
| 11/18/2009 | 44.2       | 12.2                      | 32.0               |
| 11/19/2009 | 42.8       | 10.6                      | 32.2               |
| 11/20/2009 | 40         | 7.8                       | 32.2               |
| 11/21/2009 | 41.4       | 9.1                       | 32.3               |
| 11/22/2009 | 54.1       | 20.8                      | 33.3               |
| 11/23/2009 | 51.4       | 17.4                      | 34.0               |
| 11/24/2009 | 48.3       | 14.8                      | 34.5               |
| 11/25/2009 | 52.4       | 17.2                      | 35.2               |
| 11/26/2009 | 54.6       | 18.6                      | 36.0               |
| 11/27/2009 | 52.4       | 15.9                      | 36.5               |
| 11/28/2009 | 48.2       | 11.5                      | 36.7               |
| 11/29/2009 | 47.7       | 10.8                      | 36.9               |
| 11/30/2009 | 49.8       | 12.7                      | 37.1               |
| 12/1/2009  | 48.2       | 10.9                      | 37.3               |
| 12/2/2009  | 44.2       | 7.1                       | 37.1               |
| 12/3/2009  | 46.2       | 9.1                       | 37.1               |
| 12/4/2009  | 48.2       | 11.0                      | 37.2               |
| 12/5/2009  | 48.7       | 11.3                      | 37.4               |
| 12/6/2009  | 51.9       | 14.1                      | 37.8               |
| 12/7/2009  | 48.7       | 10.8                      | 37.9               |
| 12/8/2009  | 41.8       | 4.3                       | 37.5               |
| 12/9/2009  | 37.3       | 0.5                       | 36.8               |
| 12/10/2009 | 32.3       | 0.0                       | 32.3               |
| 12/11/2009 | 31.1       | 0.0                       | 31.1               |
| 12/12/2009 | 24.6       | 0.0                       | 24.6               |
| 12/13/2009 | 28.1       | 3.7                       | 24.4               |
| 12/14/2009 | 38.6       | 13.6                      | 25.0               |
| 12/15/2009 | 51.9       | 25.4                      | 26.5               |
| 12/16/2009 | 40         | 13.0                      | 27.0               |
| 12/17/2009 | 33.9       | 6.9                       | 27.0               |
| 12/18/2009 | 33.1       | 6.1                       | 27.0               |
| 12/19/2009 | 30.3       | 3.6                       | 26.7               |
| 12/20/2009 | 33.9       | 7.1                       | 26.8               |
| 12/21/2009 | 40.5       | 13.2                      | 27.3               |
| 12/22/2009 | 28.6       | 2.6                       | 27.0               |
| 12/23/2009 | 28.5       | 1.9                       | 26.6               |
| 12/24/2009 | 30         | 3.7                       | 26.3               |
| 12/25/2009 | 26.6       | 0.7                       | 25.9               |
| 12/26/2009 | 32.3       | 6.4                       | 25.9               |
| 12/27/2009 | 31.9       | 6.1                       | 25.8               |
| 12/28/2009 | 45.2       | 18.4                      | 26.8               |
| 12/29/2009 | 40         | 12.7                      | 27.3               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/3/2000  | 4.1        | 0.1                       | 4.0                |
| 5/4/2000  | 4          | 0.0                       | 4.0                |
| 5/5/2000  | 4          | 0.1                       | 3.9                |
| 5/6/2000  | 3.8        | 0.0                       | 3.8                |
| 5/7/2000  | 3.7        | 0.0                       | 3.7                |
| 5/8/2000  | 3.6        | 0.0                       | 3.6                |
| 5/9/2000  | 3.6        | 0.1                       | 3.5                |
| 5/10/2000 | 3.5        | 0.0                       | 3.5                |
| 5/11/2000 | 3.5        | 0.1                       | 3.4                |
| 5/12/2000 | 3.4        | 0.1                       | 3.3                |
| 5/13/2000 | 3.3        | 0.0                       | 3.3                |
| 5/14/2000 | 3.2        | 0.0                       | 3.2                |
| 5/15/2000 | 3.1        | 0.0                       | 3.1                |
| 5/16/2000 | 2.9        | 0.0                       | 2.9                |
| 5/17/2000 | 2.9        | 0.1                       | 2.8                |
| 5/18/2000 | 2.8        | 0.0                       | 2.8                |
| 5/19/2000 | 2.9        | 0.2                       | 2.7                |
| 5/20/2000 | 2.9        | 0.2                       | 2.7                |
| 5/21/2000 | 2.8        | 0.1                       | 2.7                |
| 5/22/2000 | 2.8        | 0.2                       | 2.6                |
| 5/23/2000 | 2.7        | 0.1                       | 2.6                |
| 5/24/2000 | 2.5        | 0.0                       | 2.5                |
| 5/25/2000 | 2.5        | 0.0                       | 2.5                |
| 5/26/2000 | 2.4        | 0.0                       | 2.4                |
| 5/27/2000 | 2.3        | 0.0                       | 2.3                |
| 5/28/2000 | 2.3        | 0.0                       | 2.3                |
| 5/29/2000 | 2.3        | 0.1                       | 2.2                |
| 5/30/2000 | 3.7        | 1.4                       | 2.3                |
| 5/31/2000 | 2.7        | 0.4                       | 2.3                |
| 6/1/2000  | 2.3        | 0.1                       | 2.2                |
| 6/2/2000  | 2.3        | 0.1                       | 2.2                |
| 6/3/2000  | 2.3        | 0.1                       | 2.2                |
| 6/4/2000  | 2.3        | 0.2                       | 2.1                |
| 6/5/2000  | 3.2        | 1.0                       | 2.2                |
| 6/6/2000  | 3.1        | 0.9                       | 2.2                |
| 6/7/2000  | 3.7        | 1.4                       | 2.3                |
| 6/8/2000  | 4          | 1.6                       | 2.4                |
| 6/9/2000  | 3.7        | 1.3                       | 2.4                |
| 6/10/2000 | 2.9        | 0.5                       | 2.4                |
| 6/11/2000 | 4.1        | 1.6                       | 2.5                |
| 6/12/2000 | 3.6        | 1.1                       | 2.5                |
| 6/13/2000 | 3.7        | 1.1                       | 2.6                |
| 6/14/2000 | 3.2        | 0.6                       | 2.6                |
| 6/15/2000 | 2.9        | 0.4                       | 2.5                |
| 6/16/2000 | 2.7        | 0.2                       | 2.5                |
| 6/17/2000 | 2.6        | 0.1                       | 2.5                |
| 6/18/2000 | 2.6        | 0.2                       | 2.4                |
| 6/19/2000 | 2.5        | 0.1                       | 2.4                |
| 6/20/2000 | 2.7        | 0.3                       | 2.4                |
| 6/21/2000 | 2.9        | 0.5                       | 2.4                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/3/2000  | 26         | 4.9                       | 21.1               |
| 5/4/2000  | 26         | 4.9                       | 21.1               |
| 5/5/2000  | 25         | 4.1                       | 20.9               |
| 5/6/2000  | 24         | 3.4                       | 20.6               |
| 5/7/2000  | 25         | 4.5                       | 20.5               |
| 5/8/2000  | 26         | 5.4                       | 20.6               |
| 5/9/2000  | 27         | 6.3                       | 20.7               |
| 5/10/2000 | 25         | 4.4                       | 20.6               |
| 5/11/2000 | 24         | 3.6                       | 20.4               |
| 5/12/2000 | 22         | 2.1                       | 19.9               |
| 5/13/2000 | 21         | 1.6                       | 19.4               |
| 5/14/2000 | 22         | 2.9                       | 19.1               |
| 5/15/2000 | 21         | 2.3                       | 18.7               |
| 5/16/2000 | 18         | 0.1                       | 17.9               |
| 5/17/2000 | 20         | 2.4                       | 17.6               |
| 5/18/2000 | 23         | 5.3                       | 17.7               |
| 5/19/2000 | 24         | 6.0                       | 18.0               |
| 5/20/2000 | 24         | 5.8                       | 18.2               |
| 5/21/2000 | 26         | 7.4                       | 18.6               |
| 5/22/2000 | 27         | 7.8                       | 19.2               |
| 5/23/2000 | 25         | 5.7                       | 19.3               |
| 5/24/2000 | 24         | 4.7                       | 19.3               |
| 5/25/2000 | 23         | 3.9                       | 19.1               |
| 5/26/2000 | 24         | 4.9                       | 19.1               |
| 5/27/2000 | 23         | 4.0                       | 19.0               |
| 5/28/2000 | 23         | 4.1                       | 18.9               |
| 5/29/2000 | 20         | 1.6                       | 18.4               |
| 5/30/2000 | 17         | 0.0                       | 17.0               |
| 5/31/2000 | 17         | 0.6                       | 16.4               |
| 6/1/2000  | 15         | 0.0                       | 15.0               |
| 6/2/2000  | 13         | 0.0                       | 13.0               |
| 6/3/2000  | 14         | 1.3                       | 12.7               |
| 6/4/2000  | 15         | 2.4                       | 12.6               |
| 6/5/2000  | 15         | 2.5                       | 12.5               |
| 6/6/2000  | 14         | 1.7                       | 12.3               |
| 6/7/2000  | 15         | 2.8                       | 12.2               |
| 6/8/2000  | 18         | 5.4                       | 12.6               |
| 6/9/2000  | 21         | 7.7                       | 13.3               |
| 6/10/2000 | 26         | 11.4                      | 14.6               |
| 6/11/2000 | 36         | 18.9                      | 17.1               |
| 6/12/2000 | 51         | 29.9                      | 21.1               |
| 6/13/2000 | 66         | 39.4                      | 26.6               |
| 6/14/2000 | 59         | 28.8                      | 30.2               |
| 6/15/2000 | 49         | 17.3                      | 31.7               |
| 6/16/2000 | 42         | 10.0                      | 32.0               |
| 6/17/2000 | 38         | 6.2                       | 31.8               |
| 6/18/2000 | 36         | 4.8                       | 31.2               |
| 6/19/2000 | 34         | 3.5                       | 30.5               |
| 6/20/2000 | 32         | 2.3                       | 29.7               |
| 6/21/2000 | 29         | 0.4                       | 28.6               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/3/2000  | 13         | 1.2                       | 11.8               |
| 5/4/2000  | 13         | 1.3                       | 11.7               |
| 5/5/2000  | 12         | 0.4                       | 11.6               |
| 5/6/2000  | 12         | 0.5                       | 11.5               |
| 5/7/2000  | 12         | 0.6                       | 11.4               |
| 5/8/2000  | 12         | 0.7                       | 11.3               |
| 5/9/2000  | 11         | 0.0                       | 11.0               |
| 5/10/2000 | 12         | 1.1                       | 10.9               |
| 5/11/2000 | 12         | 1.1                       | 10.9               |
| 5/12/2000 | 11         | 0.2                       | 10.8               |
| 5/13/2000 | 11         | 0.3                       | 10.7               |
| 5/14/2000 | 11         | 0.4                       | 10.6               |
| 5/15/2000 | 10         | 0.0                       | 10.0               |
| 5/16/2000 | 9.1        | 0.0                       | 9.1                |
| 5/17/2000 | 9.2        | 0.2                       | 9.0                |
| 5/18/2000 | 9.1        | 0.2                       | 8.9                |
| 5/19/2000 | 8.7        | 0.0                       | 8.7                |
| 5/20/2000 | 8.5        | 0.0                       | 8.5                |
| 5/21/2000 | 8.5        | 0.1                       | 8.4                |
| 5/22/2000 | 8.4        | 0.1                       | 8.3                |
| 5/23/2000 | 8.3        | 0.0                       | 8.3                |
| 5/24/2000 | 8.2        | 0.0                       | 8.2                |
| 5/25/2000 | 8.2        | 0.1                       | 8.1                |
| 5/26/2000 | 8.2        | 0.2                       | 8.0                |
| 5/27/2000 | 8.1        | 0.2                       | 7.9                |
| 5/28/2000 | 8          | 0.1                       | 7.9                |
| 5/29/2000 | 7.8        | 0.0                       | 7.8                |
| 5/30/2000 | 7.6        | 0.0                       | 7.6                |
| 5/31/2000 | 7.4        | 0.0                       | 7.4                |
| 6/1/2000  | 7          | 0.0                       | 7.0                |
| 6/2/2000  | 6.6        | 0.0                       | 6.6                |
| 6/3/2000  | 8.6        | 2.0                       | 6.6                |
| 6/4/2000  | 7.8        | 1.2                       | 6.6                |
| 6/5/2000  | 7.3        | 0.7                       | 6.6                |
| 6/6/2000  | 7          | 0.5                       | 6.5                |
| 6/7/2000  | 6.8        | 0.3                       | 6.5                |
| 6/8/2000  | 6.9        | 0.5                       | 6.4                |
| 6/9/2000  | 7          | 0.6                       | 6.4                |
| 6/10/2000 | 7.3        | 0.9                       | 6.4                |
| 6/11/2000 | 7.8        | 1.5                       | 6.3                |
| 6/12/2000 | 8.4        | 2.0                       | 6.4                |
| 6/13/2000 | 9.1        | 2.7                       | 6.4                |
| 6/14/2000 | 11         | 4.5                       | 6.5                |
| 6/15/2000 | 14         | 7.3                       | 6.7                |
| 6/16/2000 | 19         | 11.8                      | 7.2                |
| 6/17/2000 | 18         | 10.5                      | 7.5                |
| 6/18/2000 | 16         | 8.2                       | 7.8                |
| 6/19/2000 | 15         | 7.0                       | 8.0                |
| 6/20/2000 | 13         | 4.9                       | 8.1                |
| 6/21/2000 | 12         | 3.8                       | 8.2                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/3/2000  | 34         | 0.3                       | 33.7               |
| 5/4/2000  | 36         | 2.7                       | 33.3               |
| 5/5/2000  | 34         | 1.3                       | 32.7               |
| 5/6/2000  | 39         | 6.4                       | 32.6               |
| 5/7/2000  | 64         | 29.7                      | 34.3               |
| 5/8/2000  | 43         | 8.7                       | 34.3               |
| 5/9/2000  | 35         | 1.3                       | 33.7               |
| 5/10/2000 | 34         | 0.9                       | 33.1               |
| 5/11/2000 | 39         | 6.1                       | 32.9               |
| 5/12/2000 | 37         | 4.4                       | 32.6               |
| 5/13/2000 | 35         | 2.8                       | 32.2               |
| 5/14/2000 | 40         | 7.8                       | 32.2               |
| 5/15/2000 | 46         | 13.4                      | 32.6               |
| 5/16/2000 | 40         | 7.4                       | 32.6               |
| 5/17/2000 | 42         | 9.3                       | 32.7               |
| 5/18/2000 | 35         | 2.8                       | 32.2               |
| 5/19/2000 | 38         | 5.9                       | 32.1               |
| 5/20/2000 | 33         | 1.5                       | 31.5               |
| 5/21/2000 | 38         | 6.6                       | 31.4               |
| 5/22/2000 | 39         | 7.6                       | 31.4               |
| 5/23/2000 | 31         | 0.2                       | 30.8               |
| 5/24/2000 | 33         | 2.6                       | 30.4               |
| 5/25/2000 | 29         | 0.0                       | 29.0               |
| 5/26/2000 | 31         | 2.4                       | 28.6               |
| 5/27/2000 | 30         | 1.8                       | 28.2               |
| 5/28/2000 | 32         | 4.1                       | 27.9               |
| 5/29/2000 | 33         | 5.2                       | 27.8               |
| 5/30/2000 | 31         | 3.5                       | 27.5               |
| 5/31/2000 | 29         | 1.9                       | 27.1               |
| 6/1/2000  | 32         | 5.0                       | 27.0               |
| 6/2/2000  | 33         | 6.1                       | 26.9               |
| 6/3/2000  | 29         | 2.4                       | 26.6               |
| 6/4/2000  | 31         | 4.6                       | 26.4               |
| 6/5/2000  | 38         | 11.2                      | 26.8               |
| 6/6/2000  | 33         | 6.2                       | 26.8               |
| 6/7/2000  | 32         | 5.4                       | 26.6               |
| 6/8/2000  | 30         | 3.6                       | 26.4               |
| 6/9/2000  | 29         | 2.9                       | 26.1               |
| 6/10/2000 | 39         | 12.4                      | 26.6               |
| 6/11/2000 | 44         | 16.6                      | 27.4               |
| 6/12/2000 | 47         | 18.7                      | 28.3               |
| 6/13/2000 | 46         | 16.9                      | 29.1               |
| 6/14/2000 | 58         | 27.3                      | 30.7               |
| 6/15/2000 | 39         | 8.2                       | 30.8               |
| 6/16/2000 | 32         | 1.7                       | 30.3               |
| 6/17/2000 | 36         | 5.9                       | 30.1               |
| 6/18/2000 | 37         | 6.9                       | 30.1               |
| 6/19/2000 | 37         | 7.0                       | 30.0               |
| 6/20/2000 | 34         | 4.2                       | 29.8               |
| 6/21/2000 | 29         | 0.0                       | 29.0               |



## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/21/2009 | 41.4       | 13.1                      | 28.3               |
| 12/22/2009 | 37.3       | 8.9                       | 28.4               |
| 12/23/2009 | 34.7       | 6.3                       | 28.4               |
| 12/24/2009 | 35.2       | 6.8                       | 28.4               |
| 12/25/2009 | 35.6       | 7.2                       | 28.4               |
| 12/26/2009 | 41.8       | 13.0                      | 28.8               |
| 12/27/2009 | 39.5       | 10.4                      | 29.1               |
| 12/28/2009 | 34.3       | 5.4                       | 28.9               |
| 12/29/2009 | 31.9       | 3.3                       | 28.6               |
| 12/30/2009 | 26.3       | 0.0                       | 26.3               |
| 12/31/2009 | 22.3       | 0.0                       | 22.3               |
| 1/1/2010   | 23.6       | 1.6                       | 22.0               |
| 1/2/2010   | 28.8       | 6.7                       | 22.1               |
| 1/3/2010   | 24.6       | 2.7                       | 21.9               |
| 1/4/2010   | 23.2       | 1.6                       | 21.6               |
| 1/5/2010   | 21         | 0.0                       | 21.0               |
| 1/6/2010   | 19.2       | 0.0                       | 19.2               |
| 1/7/2010   | 16.5       | 0.0                       | 16.5               |
| 1/8/2010   | 14.7       | 0.0                       | 14.7               |
| 1/9/2010   | 17.5       | 2.9                       | 14.6               |
| 1/10/2010  | 16.5       | 2.0                       | 14.5               |
| 1/11/2010  | 12.6       | 0.0                       | 12.6               |
| 1/12/2010  | 9.1        | 0.0                       | 9.1                |
| 1/13/2010  | 8.2        | 0.0                       | 8.2                |
| 1/14/2010  | 7.7        | 0.0                       | 7.7                |
| 1/15/2010  | 7.3        | 0.0                       | 7.3                |
| 1/16/2010  | 7.1        | 0.0                       | 7.1                |
| 1/17/2010  | 5.5        | 0.0                       | 5.5                |
| 1/18/2010  | 7.6        | 2.0                       | 5.6                |
| 1/19/2010  | 7.3        | 1.7                       | 5.6                |
| 1/20/2010  | 7.1        | 1.5                       | 5.6                |
| 1/21/2010  | 5.6        | 0.1                       | 5.5                |
| 1/22/2010  | 9.5        | 3.8                       | 5.7                |
| 1/23/2010  | 14.7       | 8.5                       | 6.2                |
| 1/24/2010  | 11.7       | 5.2                       | 6.5                |
| 1/25/2010  | 12.4       | 5.6                       | 6.8                |
| 1/26/2010  | 14.9       | 7.6                       | 7.3                |
| 1/27/2010  | 13         | 5.4                       | 7.6                |
| 1/28/2010  | 11.1       | 3.4                       | 7.7                |
| 1/29/2010  | 9.5        | 1.8                       | 7.7                |
| 1/30/2010  | 7.9        | 0.3                       | 7.6                |
| 1/31/2010  | 17.5       | 9.3                       | 8.2                |
| 2/1/2010   | 14.2       | 5.7                       | 8.5                |
| 2/2/2010   | 16.5       | 7.6                       | 8.9                |
| 2/3/2010   | 24.6       | 14.7                      | 9.9                |
| 2/4/2010   | 18.1       | 7.8                       | 10.3               |
| 2/5/2010   | 14.2       | 3.8                       | 10.4               |
| 2/6/2010   | 18.1       | 7.3                       | 10.8               |
| 2/7/2010   | 20.1       | 8.8                       | 11.3               |
| 2/8/2010   | 18.9       | 7.3                       | 11.6               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/22/2000 | 2.8        | 0.4                       | 2.4                |
| 6/23/2000 | 12         | 9.0                       | 3.0                |
| 6/24/2000 | 20         | 15.8                      | 4.2                |
| 6/25/2000 | 11         | 6.4                       | 4.6                |
| 6/26/2000 | 6.8        | 2.1                       | 4.7                |
| 6/27/2000 | 6.7        | 1.9                       | 4.8                |
| 6/28/2000 | 7.2        | 2.3                       | 4.9                |
| 6/29/2000 | 6.4        | 1.5                       | 4.9                |
| 6/30/2000 | 5.7        | 0.8                       | 4.9                |
| 7/1/2000  | 12         | 6.7                       | 5.3                |
| 7/2/2000  | 12         | 6.3                       | 5.7                |
| 7/3/2000  | 8          | 2.2                       | 5.8                |
| 7/4/2000  | 7.1        | 1.3                       | 5.8                |
| 7/5/2000  | 6.4        | 0.7                       | 5.7                |
| 7/6/2000  | 6.1        | 0.5                       | 5.6                |
| 7/7/2000  | 8.6        | 2.9                       | 5.7                |
| 7/8/2000  | 62         | 52.2                      | 9.8                |
| 7/9/2000  | 33         | 21.7                      | 11.3               |
| 7/10/2000 | 19         | 7.3                       | 11.7               |
| 7/11/2000 | 15         | 3.3                       | 11.7               |
| 7/12/2000 | 13         | 1.4                       | 11.6               |
| 7/13/2000 | 11         | 0.0                       | 11.0               |
| 7/14/2000 | 11         | 0.2                       | 10.8               |
| 7/15/2000 | 9.9        | 0.0                       | 9.9                |
| 7/16/2000 | 9.3        | 0.0                       | 9.3                |
| 7/17/2000 | 8.7        | 0.0                       | 8.7                |
| 7/18/2000 | 8.2        | 0.0                       | 8.2                |
| 7/19/2000 | 8.5        | 0.4                       | 8.1                |
| 7/20/2000 | 7.9        | 0.0                       | 7.9                |
| 7/21/2000 | 11         | 3.0                       | 8.0                |
| 7/22/2000 | 14         | 5.7                       | 8.3                |
| 7/23/2000 | 13         | 4.5                       | 8.5                |
| 7/24/2000 | 17         | 8.0                       | 9.0                |
| 7/25/2000 | 33         | 22.4                      | 10.6               |
| 7/26/2000 | 31         | 19.1                      | 11.9               |
| 7/27/2000 | 19         | 6.8                       | 12.2               |
| 7/28/2000 | 14         | 1.9                       | 12.1               |
| 7/29/2000 | 12         | 0.1                       | 11.9               |
| 7/30/2000 | 11         | 0.0                       | 11.0               |
| 7/31/2000 | 11         | 0.2                       | 10.8               |
| 8/1/2000  | 10         | 0.0                       | 10.0               |
| 8/2/2000  | 9.7        | 0.0                       | 9.7                |
| 8/3/2000  | 9.2        | 0.0                       | 9.2                |
| 8/4/2000  | 8.8        | 0.0                       | 8.8                |
| 8/5/2000  | 9.3        | 0.6                       | 8.7                |
| 8/6/2000  | 8.7        | 0.2                       | 8.5                |
| 8/7/2000  | 8.5        | 0.1                       | 8.4                |
| 8/8/2000  | 7.8        | 0.0                       | 7.8                |
| 8/9/2000  | 7.4        | 0.0                       | 7.4                |
| 8/10/2000 | 7.1        | 0.0                       | 7.1                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/22/2000 | 27         | 0.0                       | 27.0               |
| 6/23/2000 | 28         | 1.8                       | 26.2               |
| 6/24/2000 | 38         | 11.1                      | 26.9               |
| 6/25/2000 | 44         | 15.6                      | 28.4               |
| 6/26/2000 | 43         | 13.6                      | 29.4               |
| 6/27/2000 | 48         | 17.1                      | 30.9               |
| 6/28/2000 | 52         | 19.2                      | 32.8               |
| 6/29/2000 | 48         | 14.2                      | 33.8               |
| 6/30/2000 | 44         | 10.0                      | 34.0               |
| 7/1/2000  | 56         | 20.1                      | 35.9               |
| 7/2/2000  | 73         | 33.2                      | 39.8               |
| 7/3/2000  | 69         | 26.6                      | 42.4               |
| 7/4/2000  | 60         | 16.6                      | 43.4               |
| 7/5/2000  | 53         | 9.8                       | 43.2               |
| 7/6/2000  | 49         | 6.5                       | 42.5               |
| 7/7/2000  | 72         | 26.9                      | 45.1               |
| 7/8/2000  | 200        | 135.1                     | 64.9               |
| 7/9/2000  | 304        | 208.3                     | 95.7               |
| 7/10/2000 | 215        | 106.2                     | 108.8              |
| 7/11/2000 | 134        | 25.5                      | 108.5              |
| 7/12/2000 | 84         | 0.0                       | 84.0               |
| 7/13/2000 | 59         | 0.0                       | 59.0               |
| 7/14/2000 | 57         | 0.3                       | 56.7               |
| 7/15/2000 | 56         | 1.4                       | 54.6               |
| 7/16/2000 | 96         | 37.5                      | 58.5               |
| 7/17/2000 | 170        | 98.2                      | 71.8               |
| 7/18/2000 | 145        | 65.6                      | 79.4               |
| 7/19/2000 | 153        | 66.1                      | 86.9               |
| 7/20/2000 | 159        | 65.2                      | 93.8               |
| 7/21/2000 | 135        | 38.7                      | 96.3               |
| 7/22/2000 | 112        | 16.9                      | 95.1               |
| 7/23/2000 | 112        | 17.8                      | 94.2               |
| 7/24/2000 | 102        | 10.0                      | 92.0               |
| 7/25/2000 | 87         | 0.0                       | 87.0               |
| 7/26/2000 | 86         | 2.1                       | 83.9               |
| 7/27/2000 | 100        | 16.8                      | 83.2               |
| 7/28/2000 | 108        | 24.3                      | 83.7               |
| 7/29/2000 | 105        | 21.2                      | 83.8               |
| 7/30/2000 | 120        | 34.1                      | 85.9               |
| 7/31/2000 | 185        | 88.4                      | 96.6               |
| 8/1/2000  | 210        | 101.1                     | 108.9              |
| 8/2/2000  | 173        | 59.0                      | 114.0              |
| 8/3/2000  | 133        | 20.3                      | 112.7              |
| 8/4/2000  | 99         | 0.0                       | 99.0               |
| 8/5/2000  | 67         | 0.0                       | 67.0               |
| 8/6/2000  | 59         | 0.0                       | 59.0               |
| 8/7/2000  | 59         | 2.0                       | 57.0               |
| 8/8/2000  | 55         | 0.3                       | 54.7               |
| 8/9/2000  | 52         | 0.0                       | 52.0               |
| 8/10/2000 | 50         | 0.1                       | 49.9               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/22/2000 | 12         | 3.8                       | 8.2                |
| 6/23/2000 | 11         | 2.8                       | 8.2                |
| 6/24/2000 | 15         | 6.6                       | 8.4                |
| 6/25/2000 | 14         | 5.4                       | 8.6                |
| 6/26/2000 | 9.9        | 1.4                       | 8.5                |
| 6/27/2000 | 10         | 1.5                       | 8.5                |
| 6/28/2000 | 20         | 11.1                      | 8.9                |
| 6/29/2000 | 31         | 21.4                      | 9.6                |
| 6/30/2000 | 26         | 15.8                      | 10.2               |
| 7/1/2000  | 23         | 12.4                      | 10.6               |
| 7/2/2000  | 35         | 23.6                      | 11.4               |
| 7/3/2000  | 23         | 11.3                      | 11.7               |
| 7/4/2000  | 18         | 6.1                       | 11.9               |
| 7/5/2000  | 13         | 1.2                       | 11.8               |
| 7/6/2000  | 12         | 0.3                       | 11.7               |
| 7/7/2000  | 23         | 11.0                      | 12.0               |
| 7/8/2000  | 96         | 80.9                      | 15.1               |
| 7/9/2000  | 75         | 57.7                      | 17.3               |
| 7/10/2000 | 39         | 21.0                      | 18.0               |
| 7/11/2000 | 30         | 11.8                      | 18.2               |
| 7/12/2000 | 24         | 5.7                       | 18.3               |
| 7/13/2000 | 20         | 1.8                       | 18.2               |
| 7/14/2000 | 20         | 1.9                       | 18.1               |
| 7/15/2000 | 16         | 0.0                       | 16.0               |
| 7/16/2000 | 16         | 0.2                       | 15.8               |
| 7/17/2000 | 21         | 5.1                       | 15.9               |
| 7/18/2000 | 16         | 0.3                       | 15.7               |
| 7/19/2000 | 14         | 0.0                       | 14.0               |
| 7/20/2000 | 13         | 0.0                       | 13.0               |
| 7/21/2000 | 21         | 7.8                       | 13.2               |
| 7/22/2000 | 55         | 40.3                      | 14.7               |
| 7/23/2000 | 66         | 49.5                      | 16.5               |
| 7/24/2000 | 77         | 58.3                      | 18.7               |
| 7/25/2000 | 73         | 52.4                      | 20.6               |
| 7/26/2000 | 48         | 26.6                      | 21.4               |
| 7/27/2000 | 50         | 27.7                      | 22.3               |
| 7/28/2000 | 43         | 20.1                      | 22.9               |
| 7/29/2000 | 34         | 10.9                      | 23.1               |
| 7/30/2000 | 30         | 6.8                       | 23.2               |
| 7/31/2000 | 30         | 6.8                       | 23.2               |
| 8/1/2000  | 26         | 2.9                       | 23.1               |
| 8/2/2000  | 23         | 0.1                       | 22.9               |
| 8/3/2000  | 21         | 0.0                       | 21.0               |
| 8/4/2000  | 20         | 0.0                       | 20.0               |
| 8/5/2000  | 20         | 0.2                       | 19.8               |
| 8/6/2000  | 25         | 5.2                       | 19.8               |
| 8/7/2000  | 20         | 0.4                       | 19.6               |
| 8/8/2000  | 18         | 0.0                       | 18.0               |
| 8/9/2000  | 21         | 3.1                       | 17.9               |
| 8/10/2000 | 21         | 3.1                       | 17.9               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/22/2000 | 33         | 4.2                       | 28.8               |
| 6/23/2000 | 60         | 29.5                      | 30.5               |
| 6/24/2000 | 112        | 76.0                      | 36.0               |
| 6/25/2000 | 153        | 109.0                     | 44.0               |
| 6/26/2000 | 185        | 131.4                     | 53.6               |
| 6/27/2000 | 158        | 97.6                      | 60.4               |
| 6/28/2000 | 141        | 75.8                      | 65.2               |
| 6/29/2000 | 180        | 107.5                     | 72.5               |
| 6/30/2000 | 143        | 66.6                      | 76.4               |
| 7/1/2000  | 112        | 34.4                      | 77.6               |
| 7/2/2000  | 122        | 42.5                      | 79.5               |
| 7/3/2000  | 117        | 36.2                      | 80.8               |
| 7/4/2000  | 92         | 11.9                      | 80.1               |
| 7/5/2000  | 126        | 44.0                      | 82.0               |
| 7/6/2000  | 114        | 31.1                      | 82.9               |
| 7/7/2000  | 100        | 17.4                      | 82.6               |
| 7/8/2000  | 248        | 154.7                     | 93.3               |
| 7/9/2000  | 351        | 240.3                     | 110.7              |
| 7/10/2000 | 222        | 105.1                     | 116.9              |
| 7/11/2000 | 143        | 26.3                      | 116.7              |
| 7/12/2000 | 93         | 0.0                       | 93.0               |
| 7/13/2000 | 74         | 0.0                       | 74.0               |
| 7/14/2000 | 68         | 0.0                       | 68.0               |
| 7/15/2000 | 77         | 9.6                       | 67.4               |
| 7/16/2000 | 74         | 7.4                       | 66.6               |
| 7/17/2000 | 578        | 474.7                     | 103.3              |
| 7/18/2000 | 389        | 286.5                     | 122.5              |
| 7/19/2000 | 462        | 316.6                     | 145.4              |
| 7/20/2000 | 287        | 133.8                     | 153.2              |
| 7/21/2000 | 184        | 31.3                      | 152.7              |
| 7/22/2000 | 216        | 61.5                      | 154.5              |
| 7/23/2000 | 260        | 100.5                     | 159.5              |
| 7/24/2000 | 213        | 52.5                      | 160.5              |
| 7/25/2000 | 357        | 184.9                     | 172.1              |
| 7/26/2000 | 258        | 82.8                      | 175.2              |
| 7/27/2000 | 405        | 216.0                     | 189.0              |
| 7/28/2000 | 268        | 76.6                      | 191.4              |
| 7/29/2000 | 170        | 0.0                       | 170.0              |
| 7/30/2000 | 172        | 5.0                       | 167.0              |
| 7/31/2000 | 402        | 220.7                     | 181.3              |
| 8/1/2000  | 261        | 77.1                      | 183.9              |
| 8/2/2000  | 170        | 0.0                       | 170.0              |
| 8/3/2000  | 117        | 0.0                       | 117.0              |
| 8/4/2000  | 106        | 0.0                       | 106.0              |
| 8/5/2000  | 101        | 0.0                       | 101.0              |
| 8/6/2000  | 101        | 1.9                       | 99.1               |
| 8/7/2000  | 117        | 18.4                      | 98.6               |
| 8/8/2000  | 101        | 4.0                       | 97.0               |
| 8/9/2000  | 92         | 0.0                       | 92.0               |
| 8/10/2000 | 86         | 0.0                       | 86.0               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/9/2010  | 16.7       | 4.9                       | 11.8               |
| 2/10/2010 | 20.7       | 8.5                       | 12.2               |
| 2/11/2010 | 17.8       | 5.4                       | 12.4               |
| 2/12/2010 | 18.1       | 5.5                       | 12.6               |
| 2/13/2010 | 20.7       | 7.7                       | 13.0               |
| 2/14/2010 | 19.2       | 6.0                       | 13.2               |
| 2/15/2010 | 17         | 3.8                       | 13.2               |
| 2/16/2010 | 18.7       | 5.3                       | 13.4               |
| 2/17/2010 | 16.2       | 2.8                       | 13.4               |
| 2/18/2010 | 13.7       | 0.6                       | 13.1               |
| 2/19/2010 | 12.1       | 0.0                       | 12.1               |
| 2/20/2010 | 10.5       | 0.0                       | 10.5               |
| 2/21/2010 | 9.3        | 0.0                       | 9.3                |
| 2/22/2010 | 9.7        | 0.5                       | 9.2                |
| 2/23/2010 | 12.1       | 2.9                       | 9.2                |
| 2/24/2010 | 16.2       | 6.6                       | 9.6                |
| 2/25/2010 | 20.1       | 9.9                       | 10.2               |
| 2/26/2010 | 16.5       | 6.1                       | 10.4               |
| 2/27/2010 | 15.9       | 5.2                       | 10.7               |
| 2/28/2010 | 15.9       | 5.1                       | 10.8               |
| 3/1/2010  | 14.9       | 4.0                       | 10.9               |
| 3/2/2010  | 10.3       | 0.0                       | 10.3               |
| 3/3/2010  | 16.7       | 6.1                       | 10.6               |
| 3/4/2010  | 15.2       | 4.5                       | 10.7               |
| 3/5/2010  | 15.2       | 4.3                       | 10.9               |
| 3/6/2010  | 15.9       | 4.9                       | 11.0               |
| 3/7/2010  | 14.2       | 3.1                       | 11.1               |
| 3/8/2010  | 11.9       | 1.0                       | 10.9               |
| 3/9/2010  | 11.7       | 0.9                       | 10.8               |
| 3/10/2010 | 10.3       | 0.0                       | 10.3               |
| 3/11/2010 | 27.4       | 16.0                      | 11.4               |
| 3/12/2010 | 48.7       | 34.8                      | 13.9               |
| 3/13/2010 | 27.7       | 13.0                      | 14.7               |
| 3/14/2010 | 21.3       | 6.4                       | 14.9               |
| 3/15/2010 | 19.2       | 4.2                       | 15.0               |
| 3/16/2010 | 18.9       | 3.9                       | 15.0               |
| 3/17/2010 | 16.7       | 1.9                       | 14.8               |
| 3/18/2010 | 17         | 2.3                       | 14.7               |
| 3/19/2010 | 17.8       | 3.1                       | 14.7               |
| 3/20/2010 | 17         | 2.4                       | 14.6               |
| 3/21/2010 | 21.6       | 6.8                       | 14.8               |
| 3/22/2010 | 20.4       | 5.4                       | 15.0               |
| 3/23/2010 | 18.9       | 3.9                       | 15.0               |
| 3/24/2010 | 16.2       | 1.4                       | 14.8               |
| 3/25/2010 | 12.1       | 0.0                       | 12.1               |
| 3/26/2010 | 17.8       | 5.5                       | 12.3               |
| 3/27/2010 | 18.1       | 5.6                       | 12.5               |
| 3/28/2010 | 18.4       | 5.7                       | 12.7               |
| 3/29/2010 | 78.2       | 60.9                      | 17.3               |
| 3/30/2010 | 35.6       | 17.2                      | 18.4               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/11/2000 | 6.9        | 0.0                       | 6.9                |
| 8/12/2000 | 7.7        | 0.9                       | 6.8                |
| 8/13/2000 | 7.7        | 0.9                       | 6.8                |
| 8/14/2000 | 7.4        | 0.7                       | 6.7                |
| 8/15/2000 | 6.9        | 0.3                       | 6.6                |
| 8/16/2000 | 6.6        | 0.1                       | 6.5                |
| 8/17/2000 | 6.3        | 0.0                       | 6.3                |
| 8/18/2000 | 6.1        | 0.0                       | 6.1                |
| 8/19/2000 | 6          | 0.0                       | 6.0                |
| 8/20/2000 | 5.8        | 0.0                       | 5.8                |
| 8/21/2000 | 5.7        | 0.0                       | 5.7                |
| 8/22/2000 | 7.4        | 1.7                       | 5.7                |
| 8/23/2000 | 9.6        | 3.7                       | 5.9                |
| 8/24/2000 | 8          | 2.1                       | 5.9                |
| 8/25/2000 | 7.3        | 1.4                       | 5.9                |
| 8/26/2000 | 10         | 3.9                       | 6.1                |
| 8/27/2000 | 7.8        | 1.7                       | 6.1                |
| 8/28/2000 | 6.8        | 0.7                       | 6.1                |
| 8/29/2000 | 7.1        | 1.1                       | 6.0                |
| 8/30/2000 | 6.4        | 0.5                       | 5.9                |
| 8/31/2000 | 6.4        | 0.5                       | 5.9                |
| 9/1/2000  | 6.9        | 1.1                       | 5.8                |
| 9/2/2000  | 6.8        | 1.0                       | 5.8                |
| 9/3/2000  | 6.3        | 0.6                       | 5.7                |
| 9/4/2000  | 5.9        | 0.3                       | 5.6                |
| 9/5/2000  | 7.7        | 2.0                       | 5.7                |
| 9/6/2000  | 14         | 7.8                       | 6.2                |
| 9/7/2000  | 9.9        | 3.5                       | 6.4                |
| 9/8/2000  | 9.1        | 2.7                       | 6.4                |
| 9/9/2000  | 10         | 3.4                       | 6.6                |
| 9/10/2000 | 11         | 4.2                       | 6.8                |
| 9/11/2000 | 9.4        | 2.5                       | 6.9                |
| 9/12/2000 | 8          | 1.2                       | 6.8                |
| 9/13/2000 | 7.4        | 0.7                       | 6.7                |
| 9/14/2000 | 6.9        | 0.3                       | 6.6                |
| 9/15/2000 | 6.5        | 0.0                       | 6.5                |
| 9/16/2000 | 6.2        | 0.0                       | 6.2                |
| 9/17/2000 | 17         | 10.1                      | 6.9                |
| 9/18/2000 | 18         | 10.4                      | 7.6                |
| 9/19/2000 | 13         | 5.2                       | 7.8                |
| 9/20/2000 | 11         | 3.1                       | 7.9                |
| 9/21/2000 | 9.8        | 1.9                       | 7.9                |
| 9/22/2000 | 9.2        | 1.3                       | 7.9                |
| 9/23/2000 | 6.8        | 0.0                       | 6.8                |
| 9/24/2000 | 7.6        | 0.9                       | 6.7                |
| 9/25/2000 | 8.8        | 2.0                       | 6.8                |
| 9/26/2000 | 8.6        | 1.8                       | 6.8                |
| 9/27/2000 | 8.8        | 2.0                       | 6.8                |
| 9/28/2000 | 13         | 5.9                       | 7.1                |
| 9/29/2000 | 9.8        | 2.6                       | 7.2                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/11/2000 | 48         | 0.1                       | 47.9               |
| 8/12/2000 | 46         | 0.0                       | 46.0               |
| 8/13/2000 | 44         | 0.0                       | 44.0               |
| 8/14/2000 | 45         | 2.4                       | 42.6               |
| 8/15/2000 | 51         | 8.7                       | 42.3               |
| 8/16/2000 | 51         | 9.0                       | 42.0               |
| 8/17/2000 | 47         | 5.7                       | 41.3               |
| 8/18/2000 | 43         | 2.9                       | 40.1               |
| 8/19/2000 | 40         | 1.3                       | 38.7               |
| 8/20/2000 | 37         | 0.0                       | 37.0               |
| 8/21/2000 | 34         | 0.0                       | 34.0               |
| 8/22/2000 | 40         | 6.3                       | 33.7               |
| 8/23/2000 | 54         | 18.7                      | 35.3               |
| 8/24/2000 | 52         | 15.6                      | 36.4               |
| 8/25/2000 | 47         | 10.4                      | 36.6               |
| 8/26/2000 | 44         | 7.6                       | 36.4               |
| 8/27/2000 | 41         | 5.3                       | 35.7               |
| 8/28/2000 | 37         | 2.3                       | 34.7               |
| 8/29/2000 | 38         | 4.1                       | 33.9               |
| 8/30/2000 | 45         | 10.7                      | 34.3               |
| 8/31/2000 | 47         | 12.1                      | 34.9               |
| 9/1/2000  | 43         | 8.2                       | 34.8               |
| 9/2/2000  | 38         | 4.0                       | 34.0               |
| 9/3/2000  | 34         | 1.1                       | 32.9               |
| 9/4/2000  | 29         | 0.0                       | 29.0               |
| 9/5/2000  | 26         | 0.0                       | 26.0               |
| 9/6/2000  | 20         | 0.0                       | 20.0               |
| 9/7/2000  | 18         | 0.0                       | 18.0               |
| 9/8/2000  | 23         | 4.9                       | 18.1               |
| 9/9/2000  | 19         | 1.4                       | 17.6               |
| 9/10/2000 | 14         | 0.0                       | 14.0               |
| 9/11/2000 | 11         | 0.0                       | 11.0               |
| 9/12/2000 | 8.7        | 0.0                       | 8.7                |
| 9/13/2000 | 6.5        | 0.0                       | 6.5                |
| 9/14/2000 | 5.9        | 0.0                       | 5.9                |
| 9/15/2000 | 7          | 1.2                       | 5.8                |
| 9/16/2000 | 11         | 4.6                       | 6.4                |
| 9/17/2000 | 58         | 44.7                      | 13.3               |
| 9/18/2000 | 112        | 85.6                      | 26.4               |
| 9/19/2000 | 98         | 62.6                      | 35.4               |
| 9/20/2000 | 76         | 36.2                      | 39.8               |
| 9/21/2000 | 63         | 21.4                      | 41.6               |
| 9/22/2000 | 57         | 14.7                      | 42.3               |
| 9/23/2000 | 53         | 10.7                      | 42.3               |
| 9/24/2000 | 50         | 8.1                       | 41.9               |
| 9/25/2000 | 47         | 5.8                       | 41.2               |
| 9/26/2000 | 45         | 4.7                       | 40.3               |
| 9/27/2000 | 49         | 8.9                       | 40.1               |
| 9/28/2000 | 99         | 52.2                      | 46.8               |
| 9/29/2000 | 146        | 87.1                      | 58.9               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/11/2000 | 18         | 0.3                       | 17.7               |
| 8/12/2000 | 17         | 0.0                       | 17.0               |
| 8/13/2000 | 16         | 0.0                       | 16.0               |
| 8/14/2000 | 15         | 0.0                       | 15.0               |
| 8/15/2000 | 16         | 1.1                       | 14.9               |
| 8/16/2000 | 15         | 0.2                       | 14.8               |
| 8/17/2000 | 14         | 0.0                       | 14.0               |
| 8/18/2000 | 15         | 1.1                       | 13.9               |
| 8/19/2000 | 14         | 0.2                       | 13.8               |
| 8/20/2000 | 14         | 0.3                       | 13.7               |
| 8/21/2000 | 13         | 0.0                       | 13.0               |
| 8/22/2000 | 14         | 1.1                       | 12.9               |
| 8/23/2000 | 15         | 2.1                       | 12.9               |
| 8/24/2000 | 14         | 1.2                       | 12.8               |
| 8/25/2000 | 13         | 0.3                       | 12.7               |
| 8/26/2000 | 24         | 11.0                      | 13.0               |
| 8/27/2000 | 18         | 4.9                       | 13.1               |
| 8/28/2000 | 16         | 3.0                       | 13.0               |
| 8/29/2000 | 16         | 3.0                       | 13.0               |
| 8/30/2000 | 16         | 3.0                       | 13.0               |
| 8/31/2000 | 15         | 2.0                       | 13.0               |
| 9/1/2000  | 14         | 1.1                       | 12.9               |
| 9/2/2000  | 13         | 0.2                       | 12.8               |
| 9/3/2000  | 12         | 0.0                       | 12.0               |
| 9/4/2000  | 11         | 0.0                       | 11.0               |
| 9/5/2000  | 11         | 0.1                       | 10.9               |
| 9/6/2000  | 21         | 9.8                       | 11.2               |
| 9/7/2000  | 14         | 2.8                       | 11.2               |
| 9/8/2000  | 16         | 4.7                       | 11.3               |
| 9/9/2000  | 15         | 3.7                       | 11.3               |
| 9/10/2000 | 15         | 3.7                       | 11.3               |
| 9/11/2000 | 14         | 2.7                       | 11.3               |
| 9/12/2000 | 12         | 0.8                       | 11.2               |
| 9/13/2000 | 19         | 7.6                       | 11.4               |
| 9/14/2000 | 14         | 2.6                       | 11.4               |
| 9/15/2000 | 12         | 0.7                       | 11.3               |
| 9/16/2000 | 12         | 0.8                       | 11.2               |
| 9/17/2000 | 29         | 17.2                      | 11.8               |
| 9/18/2000 | 45         | 32.0                      | 13.0               |
| 9/19/2000 | 43         | 29.0                      | 14.0               |
| 9/20/2000 | 39         | 24.2                      | 14.8               |
| 9/21/2000 | 36         | 20.5                      | 15.5               |
| 9/22/2000 | 33         | 17.0                      | 16.0               |
| 9/23/2000 | 33         | 16.5                      | 16.5               |
| 9/24/2000 | 29         | 12.1                      | 16.9               |
| 9/25/2000 | 25         | 8.0                       | 17.0               |
| 9/26/2000 | 22         | 5.0                       | 17.0               |
| 9/27/2000 | 22         | 4.9                       | 17.1               |
| 9/28/2000 | 231        | 205.9                     | 25.1               |
| 9/29/2000 | 219        | 186.7                     | 32.3               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/11/2000 | 83         | 0.0                       | 83.0               |
| 8/12/2000 | 80         | 0.0                       | 80.0               |
| 8/13/2000 | 78         | 0.0                       | 78.0               |
| 8/14/2000 | 80         | 3.3                       | 76.7               |
| 8/15/2000 | 88         | 11.9                      | 76.1               |
| 8/16/2000 | 80         | 5.0                       | 75.0               |
| 8/17/2000 | 75         | 1.4                       | 73.6               |
| 8/18/2000 | 69         | 0.0                       | 69.0               |
| 8/19/2000 | 71         | 3.1                       | 67.9               |
| 8/20/2000 | 67         | 0.5                       | 66.5               |
| 8/21/2000 | 55         | 0.0                       | 55.0               |
| 8/22/2000 | 59         | 4.7                       | 54.3               |
| 8/23/2000 | 71         | 16.5                      | 54.5               |
| 8/24/2000 | 84         | 28.3                      | 55.7               |
| 8/25/2000 | 57         | 2.2                       | 54.8               |
| 8/26/2000 | 59         | 4.9                       | 54.1               |
| 8/27/2000 | 52         | 0.0                       | 52.0               |
| 8/28/2000 | 47         | 0.0                       | 47.0               |
| 8/29/2000 | 58         | 11.1                      | 46.9               |
| 8/30/2000 | 55         | 8.3                       | 46.7               |
| 8/31/2000 | 69         | 21.5                      | 47.5               |
| 9/1/2000  | 54         | 6.9                       | 47.1               |
| 9/2/2000  | 57         | 10.1                      | 46.9               |
| 9/3/2000  | 41         | 0.0                       | 41.0               |
| 9/4/2000  | 40         | 0.0                       | 40.0               |
| 9/5/2000  | 40         | 0.7                       | 39.3               |
| 9/6/2000  | 59         | 19.0                      | 40.0               |
| 9/7/2000  | 55         | 14.6                      | 40.4               |
| 9/8/2000  | 78         | 35.6                      | 42.4               |
| 9/9/2000  | 51         | 8.7                       | 42.3               |
| 9/10/2000 | 46         | 4.2                       | 41.8               |
| 9/11/2000 | 45         | 3.8                       | 41.2               |
| 9/12/2000 | 43         | 2.4                       | 40.6               |
| 9/13/2000 | 40         | 0.2                       | 39.8               |
| 9/14/2000 | 39         | 0.0                       | 39.0               |
| 9/15/2000 | 38         | 0.0                       | 38.0               |
| 9/16/2000 | 38         | 0.7                       | 37.3               |
| 9/17/2000 | 100        | 58.7                      | 41.3               |
| 9/18/2000 | 314        | 253.3                     | 60.7               |
| 9/19/2000 | 229        | 157.0                     | 72.0               |
| 9/20/2000 | 144        | 68.0                      | 76.0               |
| 9/21/2000 | 117        | 39.3                      | 77.7               |
| 9/22/2000 | 119        | 39.7                      | 79.3               |
| 9/23/2000 | 99         | 19.7                      | 79.3               |
| 9/24/2000 | 79         | 1.2                       | 77.8               |
| 9/25/2000 | 70         | 0.0                       | 70.0               |
| 9/26/2000 | 65         | 0.0                       | 65.0               |
| 9/27/2000 | 66         | 2.1                       | 63.9               |
| 9/28/2000 | 130        | 62.4                      | 67.6               |
| 9/29/2000 | 325        | 239.6                     | 85.4               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/31/2010 | 25.9       | 7.3                       | 18.6               |
| 4/1/2010  | 22.9       | 4.3                       | 18.6               |
| 4/2/2010  | 19.5       | 1.2                       | 18.3               |
| 4/3/2010  | 18.4       | 0.5                       | 17.9               |
| 4/4/2010  | 17.8       | 0.2                       | 17.6               |
| 4/5/2010  | 16.7       | 0.0                       | 16.7               |
| 4/6/2010  | 14.2       | 0.0                       | 14.2               |
| 4/7/2010  | 11.7       | 0.0                       | 11.7               |
| 4/8/2010  | 10.1       | 0.0                       | 10.1               |
| 4/9/2010  | 11.3       | 1.3                       | 10.0               |
| 4/10/2010 | 13.3       | 3.2                       | 10.1               |
| 4/11/2010 | 10.9       | 1.0                       | 9.9                |
| 4/12/2010 | 11.9       | 2.0                       | 9.9                |
| 4/13/2010 | 12.4       | 2.5                       | 9.9                |
| 4/14/2010 | 13.7       | 3.7                       | 10.0               |
| 4/15/2010 | 14         | 3.9                       | 10.1               |
| 4/16/2010 | 11.9       | 1.8                       | 10.1               |
| 4/17/2010 | 9.7        | 0.0                       | 9.7                |
| 4/18/2010 | 11.3       | 1.7                       | 9.6                |
| 4/19/2010 | 13.5       | 3.8                       | 9.7                |
| 4/20/2010 | 12.6       | 2.8                       | 9.8                |
| 4/21/2010 | 11.9       | 2.1                       | 9.8                |
| 4/22/2010 | 12.8       | 3.0                       | 9.8                |
| 4/23/2010 | 10.1       | 0.5                       | 9.6                |
| 4/24/2010 | 8.2        | 0.0                       | 8.2                |
| 4/25/2010 | 6.9        | 0.0                       | 6.9                |
| 4/26/2010 | 18.9       | 11.2                      | 7.7                |
| 4/27/2010 | 13.3       | 5.4                       | 7.9                |
| 4/28/2010 | 15.2       | 6.9                       | 8.3                |
| 4/29/2010 | 12.6       | 4.1                       | 8.5                |
| 4/30/2010 | 8.6        | 0.3                       | 8.3                |
| 5/1/2010  | 8.2        | 0.0                       | 8.2                |
| 5/2/2010  | 7.6        | 0.0                       | 7.6                |
| 5/3/2010  | 6.6        | 0.0                       | 6.6                |
| 5/4/2010  | 7.6        | 1.0                       | 6.6                |
| 5/5/2010  | 9.5        | 2.9                       | 6.6                |
| 5/6/2010  | 10.1       | 3.3                       | 6.8                |
| 5/7/2010  | 9.5        | 2.6                       | 6.9                |
| 5/8/2010  | 9.1        | 2.2                       | 6.9                |
| 5/9/2010  | 10.5       | 3.5                       | 7.0                |
| 5/10/2010 | 8.6        | 1.6                       | 7.0                |
| 5/11/2010 | 6.5        | 0.0                       | 6.5                |
| 5/12/2010 | 6.1        | 0.0                       | 6.1                |
| 5/13/2010 | 5.6        | 0.0                       | 5.6                |
| 5/14/2010 | 5.2        | 0.0                       | 5.2                |
| 5/15/2010 | 4.4        | 0.0                       | 4.4                |
| 5/16/2010 | 4.3        | 0.0                       | 4.3                |
| 5/17/2010 | 5.1        | 0.8                       | 4.3                |
| 5/18/2010 | 6.5        | 2.1                       | 4.4                |
| 5/19/2010 | 6.9        | 2.4                       | 4.5                |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/30/2000  | 9          | 1.8                       | 7.2                |
| 10/1/2000  | 8.1        | 1.0                       | 7.1                |
| 10/2/2000  | 7.7        | 0.7                       | 7.0                |
| 10/3/2000  | 21         | 13.1                      | 7.9                |
| 10/4/2000  | 59         | 47.4                      | 11.6               |
| 10/5/2000  | 26         | 13.6                      | 12.4               |
| 10/6/2000  | 19         | 6.3                       | 12.7               |
| 10/7/2000  | 16         | 3.3                       | 12.7               |
| 10/8/2000  | 14         | 1.4                       | 12.6               |
| 10/9/2000  | 12         | 0.0                       | 12.0               |
| 10/10/2000 | 11         | 0.0                       | 11.0               |
| 10/11/2000 | 10         | 0.0                       | 10.0               |
| 10/12/2000 | 9.9        | 0.1                       | 9.8                |
| 10/13/2000 | 9.4        | 0.0                       | 9.4                |
| 10/14/2000 | 9.1        | 0.0                       | 9.1                |
| 10/15/2000 | 8.7        | 0.0                       | 8.7                |
| 10/16/2000 | 8.3        | 0.0                       | 8.3                |
| 10/17/2000 | 8          | 0.0                       | 8.0                |
| 10/18/2000 | 7.8        | 0.0                       | 7.8                |
| 10/19/2000 | 7.7        | 0.1                       | 7.6                |
| 10/20/2000 | 7.7        | 0.2                       | 7.5                |
| 10/21/2000 | 18         | 9.9                       | 8.1                |
| 10/22/2000 | 14         | 5.6                       | 8.4                |
| 10/23/2000 | 10         | 1.6                       | 8.4                |
| 10/24/2000 | 9.2        | 0.9                       | 8.3                |
| 10/25/2000 | 8.1        | 0.0                       | 8.1                |
| 10/26/2000 | 8.6        | 0.6                       | 8.0                |
| 10/27/2000 | 7.7        | 0.0                       | 7.7                |
| 10/28/2000 | 7.3        | 0.0                       | 7.3                |
| 10/29/2000 | 6.9        | 0.0                       | 6.9                |
| 10/30/2000 | 6.9        | 0.1                       | 6.8                |
| 10/31/2000 | 6.8        | 0.2                       | 6.6                |
| 11/1/2000  | 6.6        | 0.1                       | 6.5                |
| 11/2/2000  | 6.5        | 0.1                       | 6.4                |
| 11/3/2000  | 6.5        | 0.2                       | 6.3                |
| 11/4/2000  | 6.5        | 0.3                       | 6.2                |
| 11/5/2000  | 6.3        | 0.2                       | 6.1                |
| 11/6/2000  | 6.2        | 0.2                       | 6.0                |
| 11/7/2000  | 6.2        | 0.3                       | 5.9                |
| 11/8/2000  | 6.1        | 0.3                       | 5.8                |
| 11/9/2000  | 6          | 0.3                       | 5.7                |
| 11/10/2000 | 5.8        | 0.2                       | 5.6                |
| 11/11/2000 | 5.7        | 0.2                       | 5.5                |
| 11/12/2000 | 5.5        | 0.1                       | 5.4                |
| 11/13/2000 | 5.4        | 0.1                       | 5.3                |
| 11/14/2000 | 5.6        | 0.4                       | 5.2                |
| 11/15/2000 | 5.6        | 0.4                       | 5.2                |
| 11/16/2000 | 5.5        | 0.4                       | 5.1                |
| 11/17/2000 | 5.4        | 0.4                       | 5.0                |
| 11/18/2000 | 5.3        | 0.4                       | 4.9                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/30/2000  | 130        | 63.3                      | 66.7               |
| 10/1/2000  | 112        | 41.4                      | 70.6               |
| 10/2/2000  | 137        | 59.7                      | 77.3               |
| 10/3/2000  | 561        | 419.6                     | 141.4              |
| 10/4/2000  | 1090       | 822.6                     | 267.4              |
| 10/5/2000  | 894        | 549.4                     | 344.6              |
| 10/6/2000  | 533        | 174.3                     | 358.7              |
| 10/7/2000  | 288        | 0.0                       | 288.0              |
| 10/8/2000  | 212        | 0.0                       | 212.0              |
| 10/9/2000  | 183        | 0.0                       | 183.0              |
| 10/10/2000 | 153        | 0.0                       | 153.0              |
| 10/11/2000 | 124        | 0.0                       | 124.0              |
| 10/12/2000 | 107        | 0.0                       | 107.0              |
| 10/13/2000 | 95         | 0.0                       | 95.0               |
| 10/14/2000 | 86         | 0.0                       | 86.0               |
| 10/15/2000 | 79         | 0.0                       | 79.0               |
| 10/16/2000 | 71         | 0.0                       | 71.0               |
| 10/17/2000 | 62         | 0.0                       | 62.0               |
| 10/18/2000 | 59         | 0.0                       | 59.0               |
| 10/19/2000 | 56         | 0.0                       | 56.0               |
| 10/20/2000 | 54         | 0.2                       | 53.8               |
| 10/21/2000 | 55         | 2.9                       | 52.1               |
| 10/22/2000 | 55         | 4.3                       | 50.7               |
| 10/23/2000 | 47         | 0.0                       | 47.0               |
| 10/24/2000 | 37         | 0.0                       | 37.0               |
| 10/25/2000 | 28         | 0.0                       | 28.0               |
| 10/26/2000 | 19         | 0.0                       | 19.0               |
| 10/27/2000 | 18         | 0.0                       | 18.0               |
| 10/28/2000 | 24         | 5.8                       | 18.2               |
| 10/29/2000 | 30         | 10.8                      | 19.2               |
| 10/30/2000 | 26         | 6.5                       | 19.5               |
| 10/31/2000 | 24         | 4.6                       | 19.4               |
| 11/1/2000  | 22         | 2.9                       | 19.1               |
| 11/2/2000  | 20         | 1.4                       | 18.6               |
| 11/3/2000  | 22         | 3.6                       | 18.4               |
| 11/4/2000  | 25         | 6.3                       | 18.7               |
| 11/5/2000  | 26         | 7.0                       | 19.0               |
| 11/6/2000  | 27         | 7.5                       | 19.5               |
| 11/7/2000  | 28         | 8.0                       | 20.0               |
| 11/8/2000  | 27         | 6.7                       | 20.3               |
| 11/9/2000  | 25         | 4.8                       | 20.2               |
| 11/10/2000 | 20         | 0.5                       | 19.5               |
| 11/11/2000 | 15         | 0.0                       | 15.0               |
| 11/12/2000 | 16         | 1.4                       | 14.6               |
| 11/13/2000 | 19         | 4.3                       | 14.7               |
| 11/14/2000 | 17         | 2.5                       | 14.5               |
| 11/15/2000 | 12         | 0.0                       | 12.0               |
| 11/16/2000 | 15         | 3.0                       | 12.0               |
| 11/17/2000 | 17         | 4.7                       | 12.3               |
| 11/18/2000 | 15         | 2.8                       | 12.2               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/30/2000  | 198        | 159.6                     | 38.4               |
| 10/1/2000  | 140        | 98.1                      | 41.9               |
| 10/2/2000  | 93         | 49.5                      | 43.5               |
| 10/3/2000  | 333        | 278.8                     | 54.2               |
| 10/4/2000  | 773        | 691.7                     | 81.3               |
| 10/5/2000  | 484        | 388.0                     | 96.0               |
| 10/6/2000  | 276        | 174.0                     | 102.0              |
| 10/7/2000  | 178        | 74.0                      | 104.0              |
| 10/8/2000  | 145        | 40.4                      | 104.6              |
| 10/9/2000  | 127        | 22.6                      | 104.4              |
| 10/10/2000 | 105        | 1.6                       | 103.4              |
| 10/11/2000 | 88         | 0.0                       | 88.0               |
| 10/12/2000 | 77         | 0.0                       | 77.0               |
| 10/13/2000 | 69         | 0.0                       | 69.0               |
| 10/14/2000 | 60         | 0.0                       | 60.0               |
| 10/15/2000 | 53         | 0.0                       | 53.0               |
| 10/16/2000 | 49         | 0.0                       | 49.0               |
| 10/17/2000 | 44         | 0.0                       | 44.0               |
| 10/18/2000 | 40         | 0.0                       | 40.0               |
| 10/19/2000 | 36         | 0.0                       | 36.0               |
| 10/20/2000 | 33         | 0.0                       | 33.0               |
| 10/21/2000 | 41         | 8.0                       | 33.0               |
| 10/22/2000 | 36         | 3.2                       | 32.8               |
| 10/23/2000 | 32         | 0.0                       | 32.0               |
| 10/24/2000 | 30         | 0.0                       | 30.0               |
| 10/25/2000 | 28         | 0.0                       | 28.0               |
| 10/26/2000 | 36         | 8.0                       | 28.0               |
| 10/27/2000 | 33         | 5.0                       | 28.0               |
| 10/28/2000 | 28         | 0.3                       | 27.7               |
| 10/29/2000 | 26         | 0.0                       | 26.0               |
| 10/30/2000 | 23         | 0.0                       | 23.0               |
| 10/31/2000 | 22         | 0.0                       | 22.0               |
| 11/1/2000  | 21         | 0.0                       | 21.0               |
| 11/2/2000  | 20         | 0.0                       | 20.0               |
| 11/3/2000  | 20         | 0.2                       | 19.8               |
| 11/4/2000  | 19         | 0.0                       | 19.0               |
| 11/5/2000  | 19         | 0.2                       | 18.8               |
| 11/6/2000  | 19         | 0.4                       | 18.6               |
| 11/7/2000  | 18         | 0.0                       | 18.0               |
| 11/8/2000  | 18         | 0.2                       | 17.8               |
| 11/9/2000  | 18         | 0.3                       | 17.7               |
| 11/10/2000 | 17         | 0.0                       | 17.0               |
| 11/11/2000 | 17         | 0.2                       | 16.8               |
| 11/12/2000 | 16         | 0.0                       | 16.0               |
| 11/13/2000 | 15         | 0.0                       | 15.0               |
| 11/14/2000 | 15         | 0.1                       | 14.9               |
| 11/15/2000 | 15         | 0.3                       | 14.7               |
| 11/16/2000 | 15         | 0.4                       | 14.6               |
| 11/17/2000 | 15         | 0.5                       | 14.5               |
| 11/18/2000 | 15         | 0.7                       | 14.3               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/30/2000  | 221        | 127.1                     | 93.9               |
| 10/1/2000  | 156        | 59.3                      | 96.7               |
| 10/2/2000  | 115        | 18.7                      | 96.3               |
| 10/3/2000  | 226        | 121.9                     | 104.1              |
| 10/4/2000  | 750        | 600.0                     | 150.0              |
| 10/5/2000  | 529        | 353.7                     | 175.3              |
| 10/6/2000  | 297        | 115.9                     | 181.1              |
| 10/7/2000  | 202        | 22.7                      | 179.3              |
| 10/8/2000  | 130        | 0.0                       | 130.0              |
| 10/9/2000  | 154        | 24.6                      | 129.4              |
| 10/10/2000 | 104        | 0.0                       | 104.0              |
| 10/11/2000 | 98         | 0.0                       | 98.0               |
| 10/12/2000 | 87         | 0.0                       | 87.0               |
| 10/13/2000 | 76         | 0.0                       | 76.0               |
| 10/14/2000 | 65         | 0.0                       | 65.0               |
| 10/15/2000 | 62         | 0.0                       | 62.0               |
| 10/16/2000 | 62         | 1.1                       | 60.9               |
| 10/17/2000 | 62         | 2.2                       | 59.8               |
| 10/18/2000 | 65         | 5.9                       | 59.1               |
| 10/19/2000 | 62         | 3.8                       | 58.2               |
| 10/20/2000 | 59         | 1.8                       | 57.2               |
| 10/21/2000 | 65         | 8.3                       | 56.7               |
| 10/22/2000 | 65         | 8.7                       | 56.3               |
| 10/23/2000 | 60         | 4.5                       | 55.5               |
| 10/24/2000 | 58         | 3.3                       | 54.7               |
| 10/25/2000 | 59         | 5.0                       | 54.0               |
| 10/26/2000 | 69         | 14.9                      | 54.1               |
| 10/27/2000 | 73         | 18.5                      | 54.5               |
| 10/28/2000 | 64         | 9.8                       | 54.2               |
| 10/29/2000 | 57         | 3.6                       | 53.4               |
| 10/30/2000 | 54         | 1.6                       | 52.4               |
| 10/31/2000 | 53         | 1.5                       | 51.5               |
| 11/1/2000  | 55         | 4.2                       | 50.8               |
| 11/2/2000  | 59         | 8.5                       | 50.5               |
| 11/3/2000  | 56         | 6.0                       | 50.0               |
| 11/4/2000  | 56         | 6.5                       | 49.5               |
| 11/5/2000  | 54         | 5.1                       | 48.9               |
| 11/6/2000  | 51         | 2.9                       | 48.1               |
| 11/7/2000  | 53         | 5.4                       | 47.6               |
| 11/8/2000  | 58         | 10.5                      | 47.5               |
| 11/9/2000  | 52         | 5.0                       | 47.0               |
| 11/10/2000 | 51         | 4.6                       | 46.4               |
| 11/11/2000 | 47         | 1.4                       | 45.6               |
| 11/12/2000 | 45         | 0.3                       | 44.7               |
| 11/13/2000 | 44         | 0.2                       | 43.8               |
| 11/14/2000 | 50         | 6.5                       | 43.5               |
| 11/15/2000 | 50         | 6.9                       | 43.1               |
| 11/16/2000 | 53         | 9.9                       | 43.1               |
| 11/17/2000 | 53         | 10.0                      | 43.0               |
| 11/18/2000 | 52         | 9.1                       | 42.9               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/20/2010 | 7.6        | 3.0                       | 4.6                |
| 5/21/2010 | 8.2        | 3.4                       | 4.8                |
| 5/22/2010 | 9.3        | 4.3                       | 5.0                |
| 5/23/2010 | 10.1       | 4.8                       | 5.3                |
| 5/24/2010 | 9.9        | 4.3                       | 5.6                |
| 5/25/2010 | 11.3       | 5.4                       | 5.9                |
| 5/26/2010 | 13.7       | 7.3                       | 6.4                |
| 5/27/2010 | 13.5       | 6.7                       | 6.8                |
| 5/28/2010 | 13         | 5.9                       | 7.1                |
| 5/29/2010 | 12.8       | 5.4                       | 7.4                |
| 5/30/2010 | 11.9       | 4.3                       | 7.6                |
| 5/31/2010 | 10.9       | 3.2                       | 7.7                |
| 6/1/2010  | 11.1       | 3.3                       | 7.8                |
| 6/2/2010  | 11.1       | 3.2                       | 7.9                |
| 6/3/2010  | 11.5       | 3.5                       | 8.0                |
| 6/4/2010  | 12.8       | 4.6                       | 8.2                |
| 6/5/2010  | 15.7       | 7.1                       | 8.6                |
| 6/6/2010  | 14.9       | 6.0                       | 8.9                |
| 6/7/2010  | 14.7       | 5.5                       | 9.2                |
| 6/8/2010  | 17         | 7.4                       | 9.6                |
| 6/9/2010  | 14.9       | 5.1                       | 9.8                |
| 6/10/2010 | 13.7       | 3.8                       | 9.9                |
| 6/11/2010 | 12.1       | 2.2                       | 9.9                |
| 6/12/2010 | 11.9       | 2.0                       | 9.9                |
| 6/13/2010 | 11.5       | 1.7                       | 9.8                |
| 6/14/2010 | 10.3       | 0.6                       | 9.7                |
| 6/15/2010 | 11.5       | 1.9                       | 9.6                |
| 6/16/2010 | 11.5       | 1.9                       | 9.6                |
| 6/17/2010 | 12.1       | 2.5                       | 9.6                |
| 6/18/2010 | 12.4       | 2.8                       | 9.6                |
| 6/19/2010 | 10.9       | 1.4                       | 9.5                |
| 6/20/2010 | 10.3       | 0.9                       | 9.4                |
| 6/21/2010 | 10.3       | 1.0                       | 9.3                |
| 6/22/2010 | 9.3        | 0.2                       | 9.1                |
| 6/23/2010 | 9          | 0.0                       | 9.0                |
| 6/24/2010 | 8.6        | 0.0                       | 8.6                |
| 6/25/2010 | 7.1        | 0.0                       | 7.1                |
| 6/26/2010 | 5.8        | 0.0                       | 5.8                |
| 6/27/2010 | 5.1        | 0.0                       | 5.1                |
| 6/28/2010 | 5.8        | 0.7                       | 5.1                |
| 6/29/2010 | 5          | 0.0                       | 5.0                |
| 6/30/2010 | 5          | 0.1                       | 4.9                |
| 7/1/2010  | 5.8        | 1.0                       | 4.8                |
| 7/2/2010  | 6.5        | 1.6                       | 4.9                |
| 7/3/2010  | 6.9        | 2.0                       | 4.9                |
| 7/4/2010  | 7.9        | 2.8                       | 5.1                |
| 7/5/2010  | 9.1        | 3.8                       | 5.3                |
| 7/6/2010  | 9.3        | 3.8                       | 5.5                |
| 7/7/2010  | 9.5        | 3.8                       | 5.7                |
| 7/8/2010  | 8.6        | 2.8                       | 5.8                |

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/19/2000 | 5.5        | 0.6                       | 4.9                |
| 11/20/2000 | 5.5        | 0.7                       | 4.8                |
| 11/21/2000 | 5.3        | 0.5                       | 4.8                |
| 11/22/2000 | 4.9        | 0.2                       | 4.7                |
| 11/23/2000 | 4.9        | 0.3                       | 4.6                |
| 11/24/2000 | 4.9        | 0.3                       | 4.6                |
| 11/25/2000 | 4.9        | 0.4                       | 4.5                |
| 11/26/2000 | 5.2        | 0.7                       | 4.5                |
| 11/27/2000 | 5          | 0.6                       | 4.4                |
| 11/28/2000 | 4.8        | 0.4                       | 4.4                |
| 11/29/2000 | 4.7        | 0.4                       | 4.3                |
| 11/30/2000 | 4.6        | 0.3                       | 4.3                |
| 12/1/2000  | 4.4        | 0.2                       | 4.2                |
| 12/2/2000  | 4.4        | 0.3                       | 4.1                |
| 12/3/2000  | 4.4        | 0.3                       | 4.1                |
| 12/4/2000  | 4.2        | 0.2                       | 4.0                |
| 12/5/2000  | 4.1        | 0.2                       | 3.9                |
| 12/6/2000  | 4.1        | 0.2                       | 3.9                |
| 12/7/2000  | 4          | 0.2                       | 3.8                |
| 12/8/2000  | 4          | 0.2                       | 3.8                |
| 12/9/2000  | 4          | 0.3                       | 3.7                |
| 12/10/2000 | 4          | 0.3                       | 3.7                |
| 12/11/2000 | 4          | 0.4                       | 3.6                |
| 12/12/2000 | 4          | 0.4                       | 3.6                |
| 12/13/2000 | 4          | 0.5                       | 3.5                |
| 12/14/2000 | 4.2        | 0.7                       | 3.5                |
| 12/15/2000 | 4.4        | 0.9                       | 3.5                |
| 12/16/2000 | 4.2        | 0.7                       | 3.5                |
| 12/17/2000 | 4.4        | 0.9                       | 3.5                |
| 12/18/2000 | 4.1        | 0.6                       | 3.5                |
| 12/19/2000 | 4          | 0.5                       | 3.5                |
| 12/20/2000 | 3.9        | 0.5                       | 3.4                |
| 12/21/2000 | 4          | 0.6                       | 3.4                |
| 12/22/2000 | 3.8        | 0.4                       | 3.4                |
| 12/23/2000 | 3.8        | 0.5                       | 3.3                |
| 12/24/2000 | 3.7        | 0.4                       | 3.3                |
| 12/25/2000 | 3.9        | 0.6                       | 3.3                |
| 12/26/2000 | 4.2        | 0.9                       | 3.3                |
| 12/27/2000 | 4          | 0.7                       | 3.3                |
| 12/28/2000 | 4.2        | 0.9                       | 3.3                |
| 12/29/2000 | 4.3        | 1.0                       | 3.3                |
| 12/30/2000 | 4.1        | 0.8                       | 3.3                |
| 12/31/2000 | 3.9        | 0.6                       | 3.3                |
| 1/1/2001   | 3.8        | 0.5                       | 3.3                |
| 1/2/2001   | 3.7        | 0.5                       | 3.2                |
| 1/3/2001   | 3.6        | 0.4                       | 3.2                |
| 1/4/2001   | 3.6        | 0.4                       | 3.2                |
| 1/5/2001   | 3.7        | 0.5                       | 3.2                |
| 1/6/2001   | 3.5        | 0.4                       | 3.1                |
| 1/7/2001   | 3.4        | 0.3                       | 3.1                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/19/2000 | 14         | 1.9                       | 12.1               |
| 11/20/2000 | 9.9        | 0.0                       | 9.9                |
| 11/21/2000 | 6.7        | 0.0                       | 6.7                |
| 11/22/2000 | 10         | 3.1                       | 6.9                |
| 11/23/2000 | 18         | 9.8                       | 8.2                |
| 11/24/2000 | 25         | 14.8                      | 10.2               |
| 11/25/2000 | 29         | 16.5                      | 12.5               |
| 11/26/2000 | 31         | 16.4                      | 14.6               |
| 11/27/2000 | 33         | 16.4                      | 16.6               |
| 11/28/2000 | 34         | 15.5                      | 18.5               |
| 11/29/2000 | 31         | 11.4                      | 19.6               |
| 11/30/2000 | 28         | 8.0                       | 20.0               |
| 12/1/2000  | 26         | 5.8                       | 20.2               |
| 12/2/2000  | 26         | 5.7                       | 20.3               |
| 12/3/2000  | 23         | 3.0                       | 20.0               |
| 12/4/2000  | 20         | 0.7                       | 19.3               |
| 12/5/2000  | 16         | 0.0                       | 16.0               |
| 12/6/2000  | 17         | 1.4                       | 15.6               |
| 12/7/2000  | 18         | 2.6                       | 15.4               |
| 12/8/2000  | 20         | 4.5                       | 15.5               |
| 12/9/2000  | 23         | 7.0                       | 16.0               |
| 12/10/2000 | 27         | 10.0                      | 17.0               |
| 12/11/2000 | 28         | 10.1                      | 17.9               |
| 12/12/2000 | 28         | 9.3                       | 18.7               |
| 12/13/2000 | 31         | 11.3                      | 19.7               |
| 12/14/2000 | 34         | 13.0                      | 21.0               |
| 12/15/2000 | 35         | 12.8                      | 22.2               |
| 12/16/2000 | 35         | 11.8                      | 23.2               |
| 12/17/2000 | 35         | 11.0                      | 24.0               |
| 12/18/2000 | 34         | 9.4                       | 24.6               |
| 12/19/2000 | 33         | 8.1                       | 24.9               |
| 12/20/2000 | 31         | 6.1                       | 24.9               |
| 12/21/2000 | 32         | 7.0                       | 25.0               |
| 12/22/2000 | 33         | 7.8                       | 25.2               |
| 12/23/2000 | 33         | 7.6                       | 25.4               |
| 12/24/2000 | 32         | 6.5                       | 25.5               |
| 12/25/2000 | 33         | 7.4                       | 25.6               |
| 12/26/2000 | 34         | 8.1                       | 25.9               |
| 12/27/2000 | 33         | 7.0                       | 26.0               |
| 12/28/2000 | 32         | 6.1                       | 25.9               |
| 12/29/2000 | 28         | 2.7                       | 25.3               |
| 12/30/2000 | 26         | 1.5                       | 24.5               |
| 12/31/2000 | 29         | 4.7                       | 24.3               |
| 1/1/2001   | 31         | 6.6                       | 24.4               |
| 1/2/2001   | 33         | 8.3                       | 24.7               |
| 1/3/2001   | 38         | 12.3                      | 25.7               |
| 1/4/2001   | 34         | 8.0                       | 26.0               |
| 1/5/2001   | 32         | 6.1                       | 25.9               |
| 1/6/2001   | 33         | 7.0                       | 26.0               |
| 1/7/2001   | 34         | 7.8                       | 26.2               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/19/2000 | 15         | 0.8                       | 14.2               |
| 11/20/2000 | 15         | 0.9                       | 14.1               |
| 11/21/2000 | 14         | 0.0                       | 14.0               |
| 11/22/2000 | 13         | 0.0                       | 13.0               |
| 11/23/2000 | 13         | 0.1                       | 12.9               |
| 11/24/2000 | 13         | 0.2                       | 12.8               |
| 11/25/2000 | 13         | 0.4                       | 12.6               |
| 11/26/2000 | 13         | 0.5                       | 12.5               |
| 11/27/2000 | 13         | 0.6                       | 12.4               |
| 11/28/2000 | 14         | 1.6                       | 12.4               |
| 11/29/2000 | 17         | 4.6                       | 12.4               |
| 11/30/2000 | 13         | 0.7                       | 12.3               |
| 12/1/2000  | 14         | 1.7                       | 12.3               |
| 12/2/2000  | 12         | 0.0                       | 12.0               |
| 12/3/2000  | 12         | 0.1                       | 11.9               |
| 12/4/2000  | 11         | 0.0                       | 11.0               |
| 12/5/2000  | 11         | 0.1                       | 10.9               |
| 12/6/2000  | 11         | 0.2                       | 10.8               |
| 12/7/2000  | 11         | 0.3                       | 10.7               |
| 12/8/2000  | 11         | 0.4                       | 10.6               |
| 12/9/2000  | 11         | 0.5                       | 10.5               |
| 12/10/2000 | 11         | 0.6                       | 10.4               |
| 12/11/2000 | 10         | 0.0                       | 10.0               |
| 12/12/2000 | 10         | 0.1                       | 9.9                |
| 12/13/2000 | 11         | 1.1                       | 9.9                |
| 12/14/2000 | 11         | 1.2                       | 9.8                |
| 12/15/2000 | 10         | 0.3                       | 9.7                |
| 12/16/2000 | 10         | 0.4                       | 9.6                |
| 12/17/2000 | 11         | 1.4                       | 9.6                |
| 12/18/2000 | 11         | 1.4                       | 9.6                |
| 12/19/2000 | 11         | 1.5                       | 9.5                |
| 12/20/2000 | 11         | 1.5                       | 9.5                |
| 12/21/2000 | 11         | 1.6                       | 9.4                |
| 12/22/2000 | 11         | 1.6                       | 9.4                |
| 12/23/2000 | 11         | 1.6                       | 9.4                |
| 12/24/2000 | 11         | 1.6                       | 9.4                |
| 12/25/2000 | 11         | 1.7                       | 9.3                |
| 12/26/2000 | 11         | 1.7                       | 9.3                |
| 12/27/2000 | 11         | 1.7                       | 9.3                |
| 12/28/2000 | 12         | 2.7                       | 9.3                |
| 12/29/2000 | 13         | 3.6                       | 9.4                |
| 12/30/2000 | 12         | 2.6                       | 9.4                |
| 12/31/2000 | 11         | 1.7                       | 9.3                |
| 1/1/2001   | 11         | 1.7                       | 9.3                |
| 1/2/2001   | 10         | 0.8                       | 9.2                |
| 1/4/2001   | 11         | 1.8                       | 9.2                |
| 1/5/2001   | 11         | 1.8                       | 9.2                |
| 1/6/2001   | 11         | 1.8                       | 9.2                |
| 1/7/2001   | 11         | 1.9                       | 9.1                |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/19/2000 | 48         | 5.5                       | 42.5               |
| 11/20/2000 | 40         | 0.0                       | 40.0               |
| 11/21/2000 | 39         | 0.0                       | 39.0               |
| 11/22/2000 | 40         | 1.6                       | 38.4               |
| 11/23/2000 | 45         | 6.9                       | 38.1               |
| 11/24/2000 | 49         | 10.8                      | 38.2               |
| 11/25/2000 | 48         | 9.8                       | 38.2               |
| 11/26/2000 | 47         | 8.8                       | 38.2               |
| 11/27/2000 | 49         | 10.7                      | 38.3               |
| 11/28/2000 | 42         | 4.2                       | 37.8               |
| 11/29/2000 | 42         | 4.5                       | 37.5               |
| 11/30/2000 | 42         | 4.9                       | 37.1               |
| 12/1/2000  | 42         | 5.2                       | 36.8               |
| 12/2/2000  | 36         | 0.0                       | 36.0               |
| 12/3/2000  | 36         | 0.7                       | 35.3               |
| 12/4/2000  | 35         | 0.3                       | 34.7               |
| 12/5/2000  | 36         | 1.9                       | 34.1               |
| 12/6/2000  | 37         | 8.3                       | 33.7               |
| 12/7/2000  | 42         | 8.3                       | 33.7               |
| 12/8/2000  | 40         | 6.5                       | 33.5               |
| 12/9/2000  | 36         | 2.9                       | 33.1               |
| 12/10/2000 | 33         | 0.5                       | 32.5               |
| 12/11/2000 | 31         | 0.0                       | 31.0               |
| 12/12/2000 | 36         | 5.2                       | 30.8               |
| 12/13/2000 | 39         | 8.2                       | 30.8               |
| 12/14/2000 | 41         | 10.0                      | 31.0               |
| 12/15/2000 | 41         | 9.8                       | 31.2               |
| 12/16/2000 | 35         | 4.1                       | 30.9               |
| 12/17/2000 | 34         | 3.5                       | 30.5               |
| 12/18/2000 | 33         | 2.8                       | 30.2               |
| 12/19/2000 | 29         | 0.0                       | 29.0               |
| 12/20/2000 | 33         | 4.2                       | 28.8               |
| 12/21/2000 | 41         | 11.9                      | 29.1               |
| 12/22/2000 | 56         | 25.4                      | 30.6               |
| 12/23/2000 | 36         | 5.6                       | 30.4               |
| 12/24/2000 | 30         | 0.2                       | 29.8               |
| 12/25/2000 | 28         | 0.0                       | 28.0               |
| 12/26/2000 | 30         | 2.4                       | 27.6               |
| 12/27/2000 | 34         | 6.4                       | 27.6               |
| 12/28/2000 | 41         | 12.9                      | 28.1               |
| 12/29/2000 | 40         | 11.6                      | 28.4               |
| 12/30/2000 | 38         | 9.4                       | 28.6               |
| 12/31/2000 | 34         | 5.5                       | 28.5               |
| 1/1/2001   | 38         | 9.3                       | 28.7               |
| 1/2/2001   | 40         | 11.0                      | 29.0               |
| 1/3/2001   | 36         | 7.0                       | 29.0               |
| 1/4/2001   | 36         | 7.1                       | 28.9               |
| 1/5/2001   | 31         | 2.4                       | 28.6               |
| 1/6/2001   | 31         | 2.8                       | 28.2               |
| 1/7/2001   | 31         | 3.1                       | 27.9               |

## Crane Creek

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/9/2010  | 7.6        | 1.8                       | 5.8                |
| 7/10/2010 | 7.9        | 2.0                       | 5.9                |
| 7/11/2010 | 9.1        | 3.1                       | 6.0                |
| 7/12/2010 | 9.5        | 3.4                       | 6.1                |
| 7/13/2010 | 10.9       | 4.5                       | 6.4                |
| 7/14/2010 | 10.3       | 3.8                       | 6.5                |
| 7/15/2010 | 9          | 2.4                       | 6.6                |
| 7/16/2010 | 8.6        | 2.0                       | 6.6                |
| 7/17/2010 | 8.4        | 1.8                       | 6.6                |
| 7/18/2010 | 7.6        | 1.0                       | 6.6                |
| 7/19/2010 | 6.5        | 0.0                       | 6.5                |
| 7/20/2010 | 5.6        | 0.0                       | 5.6                |
| 7/21/2010 | 5.9        | 0.4                       | 5.5                |
| 7/22/2010 | 5.6        | 0.2                       | 5.4                |
| 7/23/2010 | 6.3        | 0.9                       | 5.4                |
| 7/24/2010 | 4.2        | 0.0                       | 4.2                |
| 7/25/2010 | 4.3        | 0.2                       | 4.1                |
| 7/26/2010 | 3.9        | 0.0                       | 3.9                |
| 7/27/2010 | 5          | 1.1                       | 3.9                |
| 7/28/2010 | 5.9        | 1.9                       | 4.0                |
| 7/29/2010 | 6.3        | 2.2                       | 4.1                |
| 7/30/2010 | 6.8        | 2.6                       | 4.2                |
| 7/31/2010 | 8.4        | 4.0                       | 4.4                |
| 8/1/2010  | 8.6        | 3.9                       | 4.7                |
| 8/2/2010  | 10.1       | 5.1                       | 5.0                |
| 8/3/2010  | 10.1       | 4.8                       | 5.3                |
| 8/4/2010  | 10.1       | 4.6                       | 5.5                |
| 8/5/2010  | 7.9        | 2.3                       | 5.6                |
| 8/6/2010  | 8.6        | 2.9                       | 5.7                |
| 8/7/2010  | 9.3        | 3.4                       | 5.9                |
| 8/8/2010  | 22         | 15.0                      | 7.0                |
| 8/9/2010  | 13.3       | 6.0                       | 7.3                |
| 8/10/2010 | 12.1       | 4.6                       | 7.5                |
| 8/11/2010 | 14.2       | 6.3                       | 7.9                |
| 8/12/2010 | 17         | 8.6                       | 8.4                |
| 8/13/2010 | 19.2       | 10.1                      | 9.1                |
| 8/14/2010 | 18.7       | 9.1                       | 9.6                |
| 8/15/2010 | 18.7       | 8.6                       | 10.1               |
| 8/16/2010 | 17.8       | 7.3                       | 10.5               |
| 8/17/2010 | 16.2       | 5.5                       | 10.7               |
| 8/18/2010 | 13.5       | 2.8                       | 10.7               |
| 8/19/2010 | 13         | 2.3                       | 10.7               |
| 8/20/2010 | 13         | 2.3                       | 10.7               |
| 8/21/2010 | 13         | 2.4                       | 10.6               |
| 8/22/2010 | 12.1       | 1.6                       | 10.5               |
| 8/23/2010 | 10.3       | 0.0                       | 10.3               |
| 8/24/2010 | 9.7        | 0.0                       | 9.7                |
| 8/25/2010 | 9.3        | 0.0                       | 9.3                |
| 8/26/2010 | 10.7       | 1.5                       | 9.2                |
| 8/27/2010 | 13         | 3.7                       | 9.3                |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/8/2001  | 3.5        | 0.4                       | 3.1                |
| 1/9/2001  | 3.6        | 0.6                       | 3.0                |
| 1/10/2001 | 3.3        | 0.3                       | 3.0                |
| 1/11/2001 | 3.4        | 0.4                       | 3.0                |
| 1/12/2001 | 3.5        | 0.5                       | 3.0                |
| 1/13/2001 | 3.4        | 0.5                       | 2.9                |
| 1/14/2001 | 3.4        | 0.5                       | 2.9                |
| 1/15/2001 | 3.3        | 0.4                       | 2.9                |
| 1/16/2001 | 3.2        | 0.3                       | 2.9                |
| 1/17/2001 | 3.2        | 0.4                       | 2.8                |
| 1/18/2001 | 3.2        | 0.4                       | 2.8                |
| 1/19/2001 | 3          | 0.2                       | 2.8                |
| 1/20/2001 | 3.1        | 0.4                       | 2.7                |
| 1/21/2001 | 3          | 0.3                       | 2.7                |
| 1/22/2001 | 3.9        | 1.2                       | 2.8                |
| 1/23/2001 | 3.5        | 0.7                       | 2.8                |
| 1/24/2001 | 3.9        | 1.1                       | 2.8                |
| 1/25/2001 | 3.8        | 1.0                       | 2.8                |
| 1/26/2001 | 3.5        | 0.7                       | 2.8                |
| 1/27/2001 | 3.5        | 0.7                       | 2.8                |
| 1/28/2001 | 3.6        | 0.8                       | 2.8                |
| 1/29/2001 | 3.5        | 0.7                       | 2.8                |
| 1/30/2001 | 3.5        | 0.7                       | 2.8                |
| 1/31/2001 | 3.5        | 0.7                       | 2.8                |
| 2/1/2001  | 3.4        | 0.6                       | 2.8                |
| 2/2/2001  | 3.3        | 0.5                       | 2.8                |
| 2/3/2001  | 3.2        | 0.4                       | 2.8                |
| 2/4/2001  | 3.5        | 0.7                       | 2.8                |
| 2/5/2001  | 3.4        | 0.6                       | 2.8                |
| 2/6/2001  | 3.2        | 0.5                       | 2.7                |
| 2/7/2001  | 3.1        | 0.4                       | 2.7                |
| 2/8/2001  | 3.1        | 0.4                       | 2.7                |
| 2/9/2001  | 3          | 0.3                       | 2.7                |
| 2/10/2001 | 3          | 0.4                       | 2.6                |
| 2/11/2001 | 2.9        | 0.3                       | 2.6                |
| 2/12/2001 | 2.9        | 0.3                       | 2.6                |
| 2/13/2001 | 2.8        | 0.2                       | 2.6                |
| 2/14/2001 | 2.9        | 0.4                       | 2.5                |
| 2/15/2001 | 2.9        | 0.4                       | 2.5                |
| 2/16/2001 | 2.9        | 0.4                       | 2.5                |
| 2/17/2001 | 2.9        | 0.4                       | 2.5                |
| 2/18/2001 | 2.8        | 0.3                       | 2.5                |
| 2/19/2001 | 2.8        | 0.4                       | 2.4                |
| 2/20/2001 | 2.8        | 0.4                       | 2.4                |
| 2/21/2001 | 2.9        | 0.5                       | 2.4                |
| 2/22/2001 | 2.8        | 0.4                       | 2.4                |
| 2/23/2001 | 2.8        | 0.4                       | 2.4                |
| 2/24/2001 | 7.7        | 5.0                       | 2.7                |
| 2/25/2001 | 4.3        | 1.5                       | 2.8                |
| 2/26/2001 | 3.3        | 0.5                       | 2.8                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/8/2001  | 32         | 5.9                       | 26.1               |
| 1/9/2001  | 28         | 2.5                       | 25.5               |
| 1/10/2001 | 25         | 0.5                       | 24.5               |
| 1/11/2001 | 27         | 3.0                       | 24.0               |
| 1/12/2001 | 27         | 3.4                       | 23.6               |
| 1/13/2001 | 25         | 2.0                       | 23.0               |
| 1/14/2001 | 26         | 3.4                       | 22.6               |
| 1/15/2001 | 28         | 5.4                       | 22.6               |
| 1/16/2001 | 31         | 8.0                       | 23.0               |
| 1/17/2001 | 35         | 11.2                      | 23.8               |
| 1/18/2001 | 38         | 13.0                      | 25.0               |
| 1/19/2001 | 39         | 13.0                      | 26.0               |
| 1/20/2001 | 40         | 12.9                      | 27.1               |
| 1/21/2001 | 41         | 12.9                      | 28.1               |
| 1/22/2001 | 42         | 13.0                      | 29.0               |
| 1/23/2001 | 43         | 13.1                      | 29.9               |
| 1/24/2001 | 41         | 10.6                      | 30.4               |
| 1/25/2001 | 38         | 7.6                       | 30.4               |
| 1/26/2001 | 37         | 6.7                       | 30.3               |
| 1/27/2001 | 37         | 6.8                       | 30.2               |
| 1/28/2001 | 36         | 6.1                       | 29.9               |
| 1/29/2001 | 35         | 5.4                       | 29.6               |
| 1/30/2001 | 32         | 3.1                       | 28.9               |
| 1/31/2001 | 32         | 3.7                       | 28.3               |
| 2/1/2001  | 32         | 4.1                       | 27.9               |
| 2/2/2001  | 33         | 5.4                       | 27.6               |
| 2/3/2001  | 35         | 7.3                       | 27.7               |
| 2/4/2001  | 35         | 7.3                       | 27.7               |
| 2/5/2001  | 34         | 6.4                       | 27.6               |
| 2/6/2001  | 32         | 4.7                       | 27.3               |
| 2/7/2001  | 30         | 3.3                       | 26.7               |
| 2/8/2001  | 30         | 3.7                       | 26.3               |
| 2/9/2001  | 28         | 2.4                       | 25.6               |
| 2/10/2001 | 29         | 3.8                       | 25.2               |
| 2/11/2001 | 31         | 5.9                       | 25.1               |
| 2/12/2001 | 31         | 5.9                       | 25.1               |
| 2/13/2001 | 29         | 4.3                       | 24.7               |
| 2/14/2001 | 28         | 3.7                       | 24.3               |
| 2/15/2001 | 27         | 3.1                       | 23.9               |
| 2/16/2001 | 26         | 2.7                       | 23.3               |
| 2/17/2001 | 26         | 3.1                       | 22.9               |
| 2/18/2001 | 28         | 5.2                       | 22.8               |
| 2/19/2001 | 28         | 5.3                       | 22.7               |
| 2/20/2001 | 27         | 4.5                       | 22.5               |
| 2/21/2001 | 27         | 4.6                       | 22.4               |
| 2/22/2001 | 28         | 5.6                       | 22.4               |
| 2/23/2001 | 27         | 4.8                       | 22.2               |
| 2/24/2001 | 28         | 5.7                       | 22.3               |
| 2/25/2001 | 30         | 7.4                       | 22.6               |
| 2/26/2001 | 28         | 5.5                       | 22.5               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/8/2001  | 11         | 1.9                       | 9.1                |
| 1/9/2001  | 11         | 1.9                       | 9.1                |
| 1/10/2001 | 11         | 1.9                       | 9.1                |
| 1/11/2001 | 11         | 1.9                       | 9.1                |
| 1/12/2001 | 11         | 1.9                       | 9.1                |
| 1/13/2001 | 11         | 1.9                       | 9.1                |
| 1/14/2001 | 11         | 2.0                       | 9.0                |
| 1/15/2001 | 11         | 2.0                       | 9.0                |
| 1/16/2001 | 13         | 3.9                       | 9.1                |
| 1/17/2001 | 11         | 1.9                       | 9.1                |
| 1/18/2001 | 12         | 2.9                       | 9.1                |
| 1/19/2001 | 11         | 1.9                       | 9.1                |
| 1/20/2001 | 11         | 1.9                       | 9.1                |
| 1/21/2001 | 11         | 1.9                       | 9.1                |
| 1/22/2001 | 11         | 1.9                       | 9.1                |
| 1/23/2001 | 13         | 3.9                       | 9.1                |
| 1/24/2001 | 13         | 3.8                       | 9.2                |
| 1/25/2001 | 12         | 2.8                       | 9.2                |
| 1/26/2001 | 12         | 2.8                       | 9.2                |
| 1/27/2001 | 12         | 2.8                       | 9.2                |
| 1/28/2001 | 12         | 2.7                       | 9.3                |
| 1/29/2001 | 12         | 2.7                       | 9.3                |
| 1/30/2001 | 10         | 0.8                       | 9.2                |
| 1/31/2001 | 12         | 2.8                       | 9.2                |
| 2/1/2001  | 11         | 1.8                       | 9.2                |
| 2/2/2001  | 11         | 1.8                       | 9.2                |
| 2/3/2001  | 11         | 1.8                       | 9.2                |
| 2/4/2001  | 11         | 1.8                       | 9.2                |
| 2/5/2001  | 11         | 1.9                       | 9.1                |
| 2/6/2001  | 11         | 1.9                       | 9.1                |
| 2/7/2001  | 11         | 1.9                       | 9.1                |
| 2/8/2001  | 11         | 1.9                       | 9.1                |
| 2/9/2001  | 15         | 5.8                       | 9.2                |
| 2/10/2001 | 13         | 3.7                       | 9.3                |
| 2/11/2001 | 12         | 2.7                       | 9.3                |
| 2/12/2001 | 12         | 2.7                       | 9.3                |
| 2/13/2001 | 11         | 1.7                       | 9.3                |
| 2/14/2001 | 12         | 2.7                       | 9.3                |
| 2/15/2001 | 11         | 1.7                       | 9.3                |
| 2/16/2001 | 11         | 1.7                       | 9.3                |
| 2/17/2001 | 11         | 1.8                       | 9.2                |
| 2/18/2001 | 9.2        | 0.1                       | 9.1                |
| 2/19/2001 | 10         | 0.9                       | 9.1                |
| 2/20/2001 | 10         | 1.0                       | 9.0                |
| 2/21/2001 | 10         | 1.0                       | 9.0                |
| 2/22/2001 | 9.5        | 0.6                       | 8.9                |
| 2/23/2001 | 10         | 1.1                       | 8.9                |
| 2/24/2001 | 9.4        | 0.6                       | 8.8                |
| 2/25/2001 | 9.3        | 0.6                       | 8.7                |
| 2/26/2001 | 9          | 0.3                       | 8.7                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/8/2001  | 32         | 4.3                       | 27.7               |
| 1/9/2001  | 30         | 2.7                       | 27.3               |
| 1/10/2001 | 31         | 3.9                       | 27.1               |
| 1/11/2001 | 42         | 14.3                      | 27.7               |
| 1/12/2001 | 40         | 11.9                      | 28.0               |
| 1/13/2001 | 34         | 6.0                       | 28.1               |
| 1/14/2001 | 31         | 3.3                       | 27.7               |
| 1/15/2001 | 38         | 10.0                      | 28.0               |
| 1/16/2001 | 41         | 12.6                      | 28.4               |
| 1/17/2001 | 47         | 17.7                      | 29.3               |
| 1/18/2001 | 74         | 42.0                      | 32.0               |
| 1/19/2001 | 49         | 16.3                      | 32.7               |
| 1/20/2001 | 36         | 3.7                       | 32.3               |
| 1/21/2001 | 36         | 4.0                       | 32.0               |
| 1/22/2001 | 37         | 5.2                       | 31.8               |
| 1/23/2001 | 41         | 9.1                       | 31.9               |
| 1/24/2001 | 38         | 6.3                       | 31.7               |
| 1/25/2001 | 36         | 4.5                       | 31.5               |
| 1/26/2001 | 35         | 3.8                       | 31.2               |
| 1/27/2001 | 35         | 4.1                       | 30.9               |
| 1/28/2001 | 36         | 5.3                       | 30.7               |
| 1/29/2001 | 47         | 15.7                      | 31.3               |
| 1/30/2001 | 54         | 21.6                      | 32.4               |
| 1/31/2001 | 53         | 19.7                      | 33.3               |
| 2/1/2001  | 58         | 23.5                      | 34.5               |
| 2/2/2001  | 56         | 20.5                      | 35.5               |
| 2/3/2001  | 46         | 10.4                      | 35.6               |
| 2/4/2001  | 46         | 10.3                      | 35.7               |
| 2/5/2001  | 44         | 8.3                       | 35.7               |
| 2/6/2001  | 36         | 1.0                       | 35.0               |
| 2/7/2001  | 39         | 4.3                       | 34.7               |
| 2/8/2001  | 49         | 13.9                      | 35.1               |
| 2/9/2001  | 66         | 29.3                      | 36.7               |
| 2/10/2001 | 55         | 17.6                      | 37.4               |
| 2/11/2001 | 51         | 13.3                      | 37.7               |
| 2/12/2001 | 54         | 15.8                      | 38.2               |
| 2/13/2001 | 50         | 11.6                      | 38.4               |
| 2/14/2001 | 50         | 11.5                      | 38.5               |
| 2/15/2001 | 52         | 13.2                      | 38.8               |
| 2/16/2001 | 49         | 10.1                      | 38.9               |
| 2/17/2001 | 48         | 9.2                       | 38.8               |
| 2/18/2001 | 40         | 1.8                       | 38.2               |
| 2/19/2001 | 42         | 4.2                       | 37.8               |
| 2/20/2001 | 42         | 4.6                       | 37.4               |
| 2/21/2001 | 42         | 5.0                       | 37.0               |
| 2/22/2001 | 37         | 0.7                       | 36.3               |
| 2/23/2001 | 42         | 5.9                       | 36.1               |
| 2/24/2001 | 54         | 17.3                      | 36.7               |
| 2/25/2001 | 43         | 8.5                       | 36.5               |
| 2/26/2001 | 45         | 8.5                       | 36.5               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/28/2010  | 14.7       | 5.1                       | 9.6                |
| 8/29/2010  | 15.4       | 5.6                       | 9.8                |
| 8/30/2010  | 17.5       | 7.3                       | 10.2               |
| 8/31/2010  | 20.4       | 9.6                       | 10.8               |
| 9/1/2010   | 23.2       | 11.7                      | 11.5               |
| 9/2/2010   | 23.2       | 11.1                      | 12.1               |
| 9/3/2010   | 22.3       | 9.6                       | 12.7               |
| 9/4/2010   | 22.9       | 9.7                       | 13.2               |
| 9/5/2010   | 23.2       | 9.5                       | 13.7               |
| 9/6/2010   | 33.5       | 18.6                      | 14.9               |
| 9/7/2010   | 37.3       | 21.0                      | 16.3               |
| 9/8/2010   | 33.5       | 16.2                      | 17.3               |
| 9/9/2010   | 38.6       | 20.1                      | 18.5               |
| 9/10/2010  | 36.9       | 17.4                      | 19.5               |
| 9/11/2010  | 35.6       | 15.2                      | 20.4               |
| 9/12/2010  | 34.7       | 13.6                      | 21.1               |
| 9/13/2010  | 36.9       | 15.1                      | 21.8               |
| 9/14/2010  | 36.4       | 13.3                      | 23.1               |
| 9/15/2010  | 33.5       | 10.0                      | 23.5               |
| 9/16/2010  | 34.3       | 10.5                      | 23.8               |
| 9/18/2010  | 32.3       | 8.3                       | 24.0               |
| 9/19/2010  | 34.3       | 10.0                      | 24.3               |
| 9/20/2010  | 31.9       | 7.5                       | 24.4               |
| 9/21/2010  | 30.3       | 5.9                       | 24.4               |
| 9/22/2010  | 30.3       | 5.9                       | 24.4               |
| 9/23/2010  | 29.6       | 5.3                       | 24.3               |
| 9/24/2010  | 30         | 5.7                       | 24.3               |
| 9/25/2010  | 30         | 5.7                       | 24.3               |
| 9/26/2010  | 28.5       | 4.4                       | 24.1               |
| 9/27/2010  | 24.9       | 1.1                       | 23.8               |
| 9/28/2010  | 45.7       | 20.8                      | 24.9               |
| 9/29/2010  | 63.3       | 36.0                      | 27.3               |
| 9/30/2010  | 46.7       | 18.5                      | 28.2               |
| 10/1/2010  | 40         | 11.4                      | 28.6               |
| 10/2/2010  | 39.5       | 10.6                      | 28.9               |
| 10/3/2010  | 42.3       | 13.0                      | 29.3               |
| 10/4/2010  | 41.4       | 11.7                      | 29.7               |
| 10/5/2010  | 45.2       | 14.9                      | 30.3               |
| 10/6/2010  | 51.4       | 20.1                      | 31.3               |
| 10/7/2010  | 41.4       | 9.9                       | 31.5               |
| 10/8/2010  | 36.9       | 5.6                       | 31.3               |
| 10/9/2010  | 38.2       | 7.0                       | 31.2               |
| 10/10/2010 | 40         | 8.7                       | 31.3               |
| 10/11/2010 | 39.5       | 8.2                       | 31.3               |
| 10/12/2010 | 37.8       | 6.6                       | 31.2               |
| 10/13/2010 | 37.8       | 6.7                       | 31.1               |
| 10/14/2010 | 36.4       | 5.5                       | 30.9               |
| 10/15/2010 | 36.9       | 6.1                       | 30.8               |
| 10/16/2010 | 34.3       | 3.8                       | 30.5               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/27/2001 | 3          | 0.3                       | 2.7                |
| 2/28/2001 | 3.1        | 0.4                       | 2.7                |
| 3/1/2001  | 2.7        | 0.0                       | 2.7                |
| 3/2/2001  | 2.6        | 0.0                       | 2.6                |
| 3/3/2001  | 2.4        | 0.0                       | 2.4                |
| 3/4/2001  | 2.9        | 0.5                       | 2.4                |
| 3/5/2001  | 3          | 0.6                       | 2.4                |
| 3/6/2001  | 2.6        | 0.2                       | 2.4                |
| 3/7/2001  | 2.5        | 0.2                       | 2.3                |
| 3/8/2001  | 2.5        | 0.2                       | 2.3                |
| 3/9/2001  | 2.4        | 0.1                       | 2.3                |
| 3/10/2001 | 2.3        | 0.1                       | 2.2                |
| 3/11/2001 | 2.3        | 0.1                       | 2.2                |
| 3/12/2001 | 2.3        | 0.1                       | 2.2                |
| 3/13/2001 | 2.2        | 0.1                       | 2.1                |
| 3/14/2001 | 2.2        | 0.1                       | 2.1                |
| 3/15/2001 | 2.7        | 0.6                       | 2.1                |
| 3/16/2001 | 2.7        | 0.6                       | 2.1                |
| 3/18/2001 | 2.4        | 0.3                       | 2.1                |
| 3/19/2001 | 3.1        | 1.0                       | 2.1                |
| 3/20/2001 | 2.7        | 0.6                       | 2.1                |
| 3/21/2001 | 2.8        | 0.7                       | 2.1                |
| 3/22/2001 | 2.8        | 0.7                       | 2.1                |
| 3/23/2001 | 2.7        | 0.6                       | 2.1                |
| 3/24/2001 | 2.5        | 0.4                       | 2.1                |
| 3/25/2001 | 2.5        | 0.4                       | 2.1                |
| 3/26/2001 | 2.4        | 0.3                       | 2.1                |
| 3/27/2001 | 2.3        | 0.2                       | 2.1                |
| 3/28/2001 | 2.5        | 0.4                       | 2.1                |
| 3/29/2001 | 7.9        | 5.4                       | 2.5                |
| 3/30/2001 | 16         | 12.6                      | 3.4                |
| 3/31/2001 | 7.9        | 4.2                       | 3.7                |
| 4/1/2001  | 6.5        | 2.7                       | 3.8                |
| 4/2/2001  | 4.9        | 1.1                       | 3.8                |
| 4/3/2001  | 4.7        | 0.9                       | 3.8                |
| 4/4/2001  | 4.4        | 0.6                       | 3.8                |
| 4/5/2001  | 4.4        | 0.6                       | 3.8                |
| 4/6/2001  | 4.2        | 0.5                       | 3.7                |
| 4/7/2001  | 4.2        | 0.5                       | 3.7                |
| 4/8/2001  | 4.1        | 0.4                       | 3.7                |
| 4/9/2001  | 4          | 0.4                       | 3.6                |
| 4/10/2001 | 4          | 0.4                       | 3.6                |
| 4/11/2001 | 3.8        | 0.3                       | 3.5                |
| 4/12/2001 | 3.6        | 0.1                       | 3.5                |
| 4/13/2001 | 3.7        | 0.3                       | 3.4                |
| 4/14/2001 | 3.6        | 0.2                       | 3.4                |
| 4/15/2001 | 3.4        | 0.1                       | 3.3                |
| 4/16/2001 | 3.2        | 0.0                       | 3.2                |
| 4/17/2001 | 3.1        | 0.0                       | 3.1                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/27/2001 | 26         | 3.8                       | 22.2               |
| 2/28/2001 | 25         | 3.1                       | 21.9               |
| 3/1/2001  | 24         | 2.6                       | 21.4               |
| 3/2/2001  | 23         | 2.1                       | 20.9               |
| 3/3/2001  | 23         | 2.5                       | 20.5               |
| 3/4/2001  | 24         | 3.8                       | 20.2               |
| 3/5/2001  | 26         | 5.7                       | 20.3               |
| 3/6/2001  | 24         | 3.9                       | 20.1               |
| 3/7/2001  | 19         | 0.0                       | 19.0               |
| 3/8/2001  | 18         | 0.0                       | 18.0               |
| 3/9/2001  | 18         | 0.6                       | 17.4               |
| 3/10/2001 | 17         | 0.3                       | 16.7               |
| 3/11/2001 | 18         | 1.7                       | 16.3               |
| 3/12/2001 | 22         | 5.5                       | 16.5               |
| 3/13/2001 | 23         | 6.1                       | 16.9               |
| 3/14/2001 | 21         | 4.1                       | 16.9               |
| 3/15/2001 | 20         | 3.3                       | 16.7               |
| 3/16/2001 | 21         | 4.3                       | 16.7               |
| 3/18/2001 | 21         | 4.3                       | 16.7               |
| 3/19/2001 | 20         | 3.4                       | 16.6               |
| 3/20/2001 | 21         | 4.4                       | 16.6               |
| 3/21/2001 | 24         | 6.9                       | 17.1               |
| 3/22/2001 | 24         | 6.5                       | 17.5               |
| 3/23/2001 | 21         | 3.7                       | 17.3               |
| 3/24/2001 | 19         | 2.0                       | 17.0               |
| 3/25/2001 | 20         | 3.2                       | 16.8               |
| 3/26/2001 | 20         | 3.3                       | 16.7               |
| 3/27/2001 | 20         | 3.4                       | 16.6               |
| 3/28/2001 | 19         | 2.7                       | 16.3               |
| 3/29/2001 | 33         | 14.9                      | 18.1               |
| 3/30/2001 | 136        | 102.3                     | 33.7               |
| 3/31/2001 | 245        | 183.3                     | 61.7               |
| 4/1/2001  | 170        | 95.5                      | 74.5               |
| 4/2/2001  | 32         | 0.0                       | 32.0               |
| 4/3/2001  | 22         | 0.0                       | 22.0               |
| 4/4/2001  | 35         | 12.0                      | 23.0               |
| 4/5/2001  | 39         | 14.6                      | 24.4               |
| 4/6/2001  | 40         | 14.3                      | 25.7               |
| 4/7/2001  | 40         | 13.2                      | 26.8               |
| 4/8/2001  | 38         | 10.6                      | 27.4               |
| 4/9/2001  | 36         | 8.3                       | 27.7               |
| 4/10/2001 | 32         | 4.7                       | 27.3               |
| 4/11/2001 | 31         | 4.1                       | 26.9               |
| 4/12/2001 | 31         | 4.5                       | 26.5               |
| 4/13/2001 | 29         | 3.0                       | 26.0               |
| 4/14/2001 | 29         | 3.5                       | 25.5               |
| 4/15/2001 | 29         | 3.9                       | 25.1               |
| 4/16/2001 | 26         | 1.7                       | 24.3               |
| 4/17/2001 | 23         | 0.0                       | 23.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/27/2001 | 8.6        | 0.0                       | 8.6                |
| 2/28/2001 | 8.4        | 0.0                       | 8.4                |
| 3/1/2001  | 8.2        | 0.0                       | 8.2                |
| 3/2/2001  | 8          | 0.0                       | 8.0                |
| 3/3/2001  | 7.8        | 0.0                       | 7.8                |
| 3/4/2001  | 8.1        | 0.4                       | 7.7                |
| 3/5/2001  | 8.6        | 0.9                       | 7.7                |
| 3/6/2001  | 8.8        | 1.1                       | 7.7                |
| 3/7/2001  | 8.9        | 1.3                       | 7.6                |
| 3/8/2001  | 8.9        | 1.3                       | 7.6                |
| 3/9/2001  | 13         | 5.3                       | 7.7                |
| 3/10/2001 | 9.7        | 2.0                       | 7.7                |
| 3/11/2001 | 8.9        | 1.2                       | 7.7                |
| 3/12/2001 | 8.9        | 1.2                       | 7.7                |
| 3/13/2001 | 9.7        | 2.0                       | 7.7                |
| 3/14/2001 | 9.4        | 1.7                       | 7.7                |
| 3/15/2001 | 7.9        | 0.3                       | 7.6                |
| 3/16/2001 | 8.6        | 1.0                       | 7.6                |
| 3/17/2001 | 9.2        | 1.6                       | 7.6                |
| 3/18/2001 | 9.2        | 1.6                       | 7.6                |
| 3/19/2001 | 9.3        | 1.7                       | 7.6                |
| 3/20/2001 | 9.5        | 1.9                       | 7.6                |
| 3/21/2001 | 8.9        | 1.4                       | 7.5                |
| 3/22/2001 | 9.5        | 2.0                       | 7.5                |
| 3/23/2001 | 9.5        | 2.0                       | 7.5                |
| 3/24/2001 | 9.6        | 2.1                       | 7.5                |
| 3/25/2001 | 9.2        | 1.7                       | 7.5                |
| 3/26/2001 | 8.3        | 0.8                       | 7.5                |
| 3/27/2001 | 9.4        | 1.9                       | 7.5                |
| 3/28/2001 | 8.9        | 1.4                       | 7.5                |
| 3/29/2001 | 11         | 3.5                       | 7.5                |
| 3/30/2001 | 28         | 19.7                      | 8.3                |
| 3/31/2001 | 21         | 12.3                      | 8.7                |
| 4/1/2001  | 22         | 12.9                      | 9.1                |
| 4/2/2001  | 15         | 5.8                       | 9.2                |
| 4/3/2001  | 17         | 7.6                       | 9.4                |
| 4/4/2001  | 16         | 6.4                       | 9.6                |
| 4/5/2001  | 13         | 3.4                       | 9.6                |
| 4/6/2001  | 13         | 3.3                       | 9.7                |
| 4/7/2001  | 13         | 3.3                       | 9.7                |
| 4/8/2001  | 12         | 2.3                       | 9.7                |
| 4/9/2001  | 11         | 1.3                       | 9.7                |
| 4/10/2001 | 11         | 1.4                       | 9.6                |
| 4/11/2001 | 13         | 3.3                       | 9.7                |
| 4/12/2001 | 12         | 2.3                       | 9.7                |
| 4/13/2001 | 11         | 1.4                       | 9.6                |
| 4/14/2001 | 10         | 0.5                       | 9.5                |
| 4/15/2001 | 11         | 1.5                       | 9.5                |
| 4/16/2001 | 11         | 1.5                       | 9.5                |
| 4/17/2001 | 9.9        | 0.5                       | 9.4                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/27/2001 | 43         | 6.7                       | 36.3               |
| 2/28/2001 | 40         | 4.1                       | 35.9               |
| 3/1/2001  | 41         | 5.4                       | 35.6               |
| 3/2/2001  | 45         | 9.4                       | 35.6               |
| 3/3/2001  | 47         | 11.2                      | 35.8               |
| 3/4/2001  | 54         | 17.5                      | 36.5               |
| 3/5/2001  | 59         | 21.5                      | 37.5               |
| 3/6/2001  | 53         | 15.1                      | 37.9               |
| 3/7/2001  | 51         | 12.8                      | 38.2               |
| 3/8/2001  | 47         | 8.8                       | 38.2               |
| 3/9/2001  | 47         | 8.9                       | 38.1               |
| 3/10/2001 | 45         | 7.1                       | 37.9               |
| 3/11/2001 | 48         | 10.0                      | 38.0               |
| 3/12/2001 | 47         | 9.1                       | 37.9               |
| 3/13/2001 | 46         | 8.2                       | 37.8               |
| 3/14/2001 | 39         | 1.8                       | 37.2               |
| 3/15/2001 | 38         | 1.4                       | 36.6               |
| 3/16/2001 | 41         | 4.8                       | 36.2               |
| 3/17/2001 | 40         | 4.2                       | 35.8               |
| 3/18/2001 | 46         | 10.1                      | 35.9               |
| 3/19/2001 | 50         | 13.7                      | 36.3               |
| 3/20/2001 | 52         | 15.2                      | 36.8               |
| 3/21/2001 | 50         | 12.9                      | 37.1               |
| 3/22/2001 | 40         | 3.4                       | 36.6               |
| 3/23/2001 | 32         | 0.0                       | 32.0               |
| 3/24/2001 | 36         | 4.3                       | 31.7               |
| 3/25/2001 | 38         | 6.4                       | 31.6               |
| 3/26/2001 | 43         | 11.2                      | 31.8               |
| 3/27/2001 | 41         | 9.1                       | 31.9               |
| 3/28/2001 | 43         | 10.8                      | 32.2               |
| 3/29/2001 | 43         | 10.6                      | 32.4               |
| 3/30/2001 | 121        | 82.7                      | 38.3               |
| 3/31/2001 | 170        | 122.6                     | 47.4               |
| 4/1/2001  | 90         | 40.3                      | 49.7               |
| 4/2/2001  | 71         | 20.7                      | 50.3               |
| 4/3/2001  | 40         | 0.0                       | 40.0               |
| 4/4/2001  | 44         | 4.4                       | 39.6               |
| 4/5/2001  | 37         | 0.0                       | 37.0               |
| 4/6/2001  | 36         | 0.0                       | 36.0               |
| 4/7/2001  | 31         | 0.0                       | 31.0               |
| 4/8/2001  | 32         | 1.5                       | 30.5               |
| 4/9/2001  | 32         | 2.0                       | 30.0               |
| 4/10/2001 | 31         | 1.4                       | 29.6               |
| 4/11/2001 | 33         | 3.7                       | 29.3               |
| 4/12/2001 | 36         | 6.8                       | 29.2               |
| 4/13/2001 | 45         | 15.1                      | 29.9               |
| 4/14/2001 | 49         | 18.3                      | 30.7               |
| 4/15/2001 | 44         | 12.9                      | 31.1               |
| 4/16/2001 | 50         | 18.0                      | 32.0               |
| 4/17/2001 | 49         | 16.4                      | 32.6               |

## Crane Creek

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/17/2010 | 32.3       | 2.2                       | 30.1               |
| 10/18/2010 | 29.6       | 0.1                       | 29.5               |
| 10/19/2010 | 27.4       | 0.0                       | 27.4               |
| 10/20/2010 | 25.9       | 0.0                       | 25.9               |
| 10/21/2010 | 27         | 1.5                       | 25.5               |
| 10/22/2010 | 25.2       | 0.2                       | 25.0               |
| 10/23/2010 | 22.9       | 0.0                       | 22.9               |
| 10/24/2010 | 21.3       | 0.0                       | 21.3               |
| 10/25/2010 | 17.8       | 0.0                       | 17.8               |
| 10/26/2010 | 16.2       | 0.0                       | 16.2               |
| 10/27/2010 | 16.2       | 0.3                       | 15.9               |
| 10/28/2010 | 15.2       | 0.0                       | 15.2               |
| 10/29/2010 | 17.5       | 2.4                       | 15.1               |
| 10/30/2010 | 15.2       | 0.4                       | 14.8               |
| 10/31/2010 | 14         | 0.0                       | 14.0               |
| 11/1/2010  | 13.7       | 0.0                       | 13.7               |
| 11/2/2010  | 12.1       | 0.0                       | 12.1               |
| 11/3/2010  | 14.4       | 2.4                       | 12.0               |
| 11/4/2010  | 15.7       | 3.6                       | 12.1               |
| 11/5/2010  | 25.9       | 13.0                      | 12.9               |
| 11/6/2010  | 25.9       | 12.3                      | 13.6               |
| 11/7/2010  | 25.9       | 11.6                      | 14.3               |
| 11/8/2010  | 19.5       | 5.1                       | 14.4               |
| 11/9/2010  | 15.9       | 1.7                       | 14.2               |
| 11/10/2010 | 16.7       | 2.5                       | 14.2               |
| 11/11/2010 | 19.8       | 5.5                       | 14.3               |
| 11/12/2010 | 24.9       | 10.1                      | 14.8               |
| 11/13/2010 | 26.6       | 11.2                      | 15.4               |
| 11/14/2010 | 27         | 11.0                      | 16.0               |
| 11/15/2010 | 31.5       | 14.6                      | 16.9               |
| 11/16/2010 | 29.6       | 12.1                      | 17.5               |
| 11/17/2010 | 32.7       | 14.4                      | 18.3               |
| 11/18/2010 | 32.7       | 13.7                      | 19.0               |
| 11/19/2010 | 27.4       | 8.1                       | 19.3               |
| 11/20/2010 | 23.9       | 4.6                       | 19.3               |
| 11/21/2010 | 23.2       | 4.0                       | 19.2               |
| 11/22/2010 | 20.1       | 1.2                       | 18.9               |
| 11/23/2010 | 17.8       | 0.0                       | 17.8               |
| 11/24/2010 | 16.7       | 0.0                       | 16.7               |
| 11/25/2010 | 14.9       | 0.0                       | 14.9               |
| 11/26/2010 | 13.5       | 0.0                       | 13.5               |
| 11/27/2010 | 18.4       | 4.8                       | 13.6               |
| 11/28/2010 | 18.4       | 4.7                       | 13.7               |
| 11/29/2010 | 20.1       | 6.2                       | 13.9               |
| 11/30/2010 | 18.4       | 4.4                       | 14.0               |
| 12/1/2010  | 22.9       | 8.5                       | 14.4               |
| 12/2/2010  | 25.6       | 10.6                      | 15.0               |
| 12/3/2010  | 20.1       | 5.0                       | 15.1               |
| 12/4/2010  | 13.5       | 0.0                       | 13.5               |
| 12/5/2010  | 13.7       | 0.4                       | 13.3               |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/18/2001 | 3          | 0.0                       | 3.0                |
| 4/19/2001 | 3          | 0.1                       | 2.9                |
| 4/20/2001 | 3          | 0.1                       | 2.9                |
| 4/21/2001 | 3          | 0.2                       | 2.8                |
| 4/22/2001 | 3          | 0.2                       | 2.8                |
| 4/23/2001 | 2.9        | 0.1                       | 2.8                |
| 4/24/2001 | 3          | 0.3                       | 2.7                |
| 4/25/2001 | 3.7        | 1.0                       | 2.7                |
| 4/26/2001 | 3.3        | 0.6                       | 2.7                |
| 4/27/2001 | 2.9        | 0.2                       | 2.7                |
| 4/28/2001 | 2.7        | 0.0                       | 2.7                |
| 4/29/2001 | 2.6        | 0.0                       | 2.6                |
| 4/30/2001 | 3.8        | 1.2                       | 2.6                |
| 5/1/2001  | 3.4        | 0.8                       | 2.6                |
| 5/2/2001  | 3.2        | 0.6                       | 2.6                |
| 5/3/2001  | 5.2        | 2.4                       | 2.8                |
| 5/4/2001  | 5.4        | 2.5                       | 2.9                |
| 5/5/2001  | 4.1        | 1.1                       | 3.0                |
| 5/6/2001  | 3.6        | 0.7                       | 2.9                |
| 5/7/2001  | 4.1        | 1.1                       | 3.0                |
| 5/8/2001  | 4.3        | 1.3                       | 3.0                |
| 5/9/2001  | 4          | 1.0                       | 3.0                |
| 5/10/2001 | 3.6        | 0.6                       | 3.0                |
| 5/11/2001 | 3.6        | 0.6                       | 3.0                |
| 5/12/2001 | 3.4        | 0.4                       | 3.0                |
| 5/13/2001 | 3.4        | 0.4                       | 3.0                |
| 5/14/2001 | 3.3        | 0.4                       | 2.9                |
| 5/15/2001 | 3.3        | 0.4                       | 2.9                |
| 5/16/2001 | 3.3        | 0.4                       | 2.9                |
| 5/17/2001 | 3.3        | 0.4                       | 2.9                |
| 5/18/2001 | 3.2        | 0.4                       | 2.8                |
| 5/19/2001 | 3.2        | 0.4                       | 2.8                |
| 5/20/2001 | 3.2        | 0.4                       | 2.8                |
| 5/21/2001 | 3.1        | 0.3                       | 2.8                |
| 5/22/2001 | 3.7        | 0.9                       | 2.8                |
| 5/23/2001 | 25         | 20.6                      | 4.4                |
| 5/24/2001 | 10         | 5.3                       | 4.7                |
| 5/25/2001 | 11         | 5.9                       | 5.1                |
| 5/26/2001 | 12         | 6.5                       | 5.5                |
| 5/27/2001 | 7.2        | 1.7                       | 5.5                |
| 5/28/2001 | 6.2        | 0.7                       | 5.5                |
| 5/29/2001 | 5.9        | 0.5                       | 5.4                |
| 5/30/2001 | 5.7        | 0.4                       | 5.3                |
| 5/31/2001 | 5.5        | 0.3                       | 5.2                |
| 6/1/2001  | 11         | 5.4                       | 5.6                |
| 6/2/2001  | 10         | 4.2                       | 5.8                |
| 6/3/2001  | 7          | 1.2                       | 5.8                |
| 6/4/2001  | 6.2        | 0.5                       | 5.7                |
| 6/5/2001  | 5.9        | 0.3                       | 5.6                |
| 6/6/2001  | 6.4        | 0.8                       | 5.6                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/18/2001 | 23         | 0.8                       | 22.2               |
| 4/19/2001 | 23         | 1.4                       | 21.6               |
| 4/20/2001 | 25         | 3.7                       | 21.3               |
| 4/21/2001 | 25         | 3.9                       | 21.1               |
| 4/22/2001 | 25         | 4.1                       | 20.9               |
| 4/23/2001 | 25         | 4.3                       | 20.7               |
| 4/24/2001 | 24         | 3.5                       | 20.5               |
| 4/25/2001 | 25         | 4.6                       | 20.4               |
| 4/26/2001 | 24         | 3.8                       | 20.2               |
| 4/27/2001 | 25         | 4.9                       | 20.1               |
| 4/28/2001 | 24         | 4.0                       | 20.0               |
| 4/29/2001 | 23         | 3.3                       | 19.7               |
| 4/30/2001 | 23         | 3.5                       | 19.5               |
| 5/1/2001  | 26         | 6.3                       | 19.7               |
| 5/2/2001  | 31         | 10.4                      | 20.6               |
| 5/3/2001  | 30         | 8.8                       | 21.2               |
| 5/4/2001  | 33         | 10.9                      | 22.1               |
| 5/5/2001  | 36         | 12.8                      | 23.2               |
| 5/6/2001  | 34         | 10.1                      | 23.9               |
| 5/7/2001  | 29         | 5.2                       | 23.8               |
| 5/8/2001  | 28         | 4.4                       | 23.6               |
| 5/9/2001  | 26         | 2.9                       | 23.1               |
| 5/10/2001 | 21         | 0.0                       | 21.0               |
| 5/11/2001 | 16         | 0.0                       | 16.0               |
| 5/12/2001 | 17         | 1.4                       | 15.6               |
| 5/13/2001 | 20         | 4.3                       | 15.7               |
| 5/14/2001 | 20         | 4.3                       | 15.7               |
| 5/15/2001 | 19         | 3.4                       | 15.6               |
| 5/16/2001 | 17         | 1.7                       | 15.3               |
| 5/17/2001 | 13         | 0.0                       | 13.0               |
| 5/18/2001 | 12         | 0.0                       | 12.0               |
| 5/19/2001 | 11         | 0.0                       | 11.0               |
| 5/20/2001 | 10         | 0.0                       | 10.0               |
| 5/21/2001 | 13         | 2.9                       | 10.1               |
| 5/22/2001 | 16         | 5.5                       | 10.5               |
| 5/23/2001 | 22         | 10.2                      | 11.8               |
| 5/24/2001 | 27         | 13.5                      | 13.5               |
| 5/25/2001 | 32         | 16.5                      | 15.5               |
| 5/26/2001 | 35         | 17.3                      | 17.7               |
| 5/27/2001 | 34         | 14.7                      | 19.3               |
| 5/28/2001 | 35         | 14.2                      | 20.8               |
| 5/29/2001 | 39         | 16.4                      | 22.6               |
| 5/30/2001 | 40         | 15.8                      | 24.2               |
| 5/31/2001 | 36         | 11.0                      | 25.0               |
| 6/1/2001  | 33         | 7.7                       | 25.3               |
| 6/2/2001  | 36         | 10.1                      | 25.9               |
| 6/3/2001  | 53         | 24.3                      | 28.7               |
| 6/4/2001  | 66         | 33.1                      | 32.9               |
| 6/5/2001  | 67         | 30.6                      | 36.4               |
| 6/6/2001  | 61         | 22.4                      | 38.6               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/18/2001 | 9.1        | 0.0                       | 9.1                |
| 4/19/2001 | 8.5        | 0.0                       | 8.5                |
| 4/20/2001 | 8.3        | 0.0                       | 8.3                |
| 4/21/2001 | 7.9        | 0.0                       | 7.9                |
| 4/22/2001 | 7.3        | 0.0                       | 7.3                |
| 4/23/2001 | 6.7        | 0.0                       | 6.7                |
| 4/24/2001 | 6.8        | 0.2                       | 6.6                |
| 4/25/2001 | 6.9        | 0.3                       | 6.6                |
| 4/26/2001 | 7.1        | 0.6                       | 6.5                |
| 4/27/2001 | 6.9        | 0.4                       | 6.5                |
| 4/28/2001 | 6.6        | 0.2                       | 6.4                |
| 4/29/2001 | 6.9        | 0.5                       | 6.4                |
| 4/30/2001 | 8          | 1.6                       | 6.4                |
| 5/1/2001  | 8.1        | 1.7                       | 6.4                |
| 5/2/2001  | 9.5        | 3.0                       | 6.5                |
| 5/3/2001  | 15         | 8.3                       | 6.7                |
| 5/4/2001  | 19         | 11.9                      | 7.1                |
| 5/5/2001  | 23         | 15.3                      | 7.7                |
| 5/6/2001  | 23         | 14.8                      | 8.2                |
| 5/7/2001  | 19         | 10.5                      | 8.5                |
| 5/8/2001  | 17         | 8.2                       | 8.8                |
| 5/9/2001  | 17         | 8.0                       | 9.0                |
| 5/10/2001 | 15         | 5.9                       | 9.1                |
| 5/11/2001 | 19         | 9.6                       | 9.4                |
| 5/12/2001 | 13         | 3.5                       | 9.5                |
| 5/13/2001 | 11         | 1.6                       | 9.4                |
| 5/14/2001 | 11         | 1.6                       | 9.4                |
| 5/15/2001 | 11         | 1.6                       | 9.4                |
| 5/16/2001 | 11         | 1.6                       | 9.4                |
| 5/17/2001 | 9.8        | 0.5                       | 9.3                |
| 5/18/2001 | 8.9        | 0.0                       | 8.9                |
| 5/19/2001 | 8.9        | 0.1                       | 8.8                |
| 5/20/2001 | 8.4        | 0.0                       | 8.4                |
| 5/21/2001 | 7.7        | 0.0                       | 7.7                |
| 5/22/2001 | 8.3        | 0.7                       | 7.6                |
| 5/23/2001 | 22         | 13.9                      | 8.1                |
| 5/24/2001 | 18         | 9.6                       | 8.4                |
| 5/25/2001 | 23         | 14.1                      | 8.9                |
| 5/26/2001 | 30         | 20.4                      | 9.6                |
| 5/27/2001 | 33         | 22.6                      | 10.4               |
| 5/28/2001 | 32         | 20.8                      | 11.2               |
| 5/29/2001 | 30         | 18.2                      | 11.8               |
| 5/30/2001 | 28         | 15.7                      | 12.3               |
| 5/31/2001 | 23         | 10.4                      | 12.6               |
| 6/1/2001  | 20         | 7.2                       | 12.8               |
| 6/2/2001  | 21         | 8.1                       | 12.9               |
| 6/3/2001  | 21         | 7.9                       | 13.1               |
| 6/4/2001  | 20         | 6.7                       | 13.3               |
| 6/5/2001  | 18         | 4.7                       | 13.3               |
| 6/6/2001  | 26         | 12.3                      | 13.7               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/18/2001 | 46         | 13.0                      | 33.0               |
| 4/19/2001 | 45         | 11.7                      | 33.3               |
| 4/20/2001 | 48         | 14.2                      | 33.8               |
| 4/21/2001 | 49         | 14.7                      | 34.3               |
| 4/22/2001 | 49         | 14.3                      | 34.7               |
| 4/23/2001 | 55         | 19.4                      | 35.6               |
| 4/24/2001 | 49         | 13.1                      | 35.9               |
| 4/25/2001 | 59         | 22.0                      | 37.0               |
| 4/26/2001 | 52         | 14.6                      | 37.4               |
| 4/27/2001 | 48         | 10.5                      | 37.5               |
| 4/28/2001 | 48         | 10.4                      | 37.6               |
| 4/29/2001 | 49         | 11.3                      | 37.7               |
| 4/30/2001 | 65         | 26.0                      | 39.0               |
| 5/1/2001  | 102        | 59.0                      | 43.0               |
| 5/2/2001  | 62         | 18.4                      | 43.6               |
| 5/3/2001  | 48         | 4.9                       | 43.1               |
| 5/4/2001  | 63         | 19.2                      | 43.8               |
| 5/5/2001  | 61         | 16.7                      | 44.3               |
| 5/6/2001  | 54         | 9.8                       | 44.2               |
| 5/7/2001  | 42         | 0.0                       | 42.0               |
| 5/8/2001  | 57         | 14.7                      | 42.3               |
| 5/9/2001  | 45         | 3.3                       | 41.7               |
| 5/10/2001 | 41         | 0.1                       | 40.9               |
| 5/11/2001 | 38         | 0.0                       | 38.0               |
| 5/12/2001 | 37         | 0.0                       | 37.0               |
| 5/13/2001 | 35         | 0.0                       | 35.0               |
| 5/14/2001 | 39         | 4.4                       | 34.6               |
| 5/15/2001 | 35         | 1.0                       | 34.0               |
| 5/16/2001 | 31         | 0.0                       | 31.0               |
| 5/17/2001 | 33         | 2.4                       | 30.6               |
| 5/18/2001 | 36         | 5.6                       | 30.4               |
| 5/19/2001 | 34         | 3.9                       | 30.1               |
| 5/20/2001 | 37         | 6.9                       | 30.1               |
| 5/21/2001 | 30         | 0.5                       | 29.5               |
| 5/22/2001 | 30         | 1.0                       | 29.0               |
| 5/23/2001 | 91         | 57.9                      | 33.1               |
| 5/24/2001 | 94         | 57.0                      | 37.0               |
| 5/25/2001 | 54         | 16.5                      | 37.5               |
| 5/26/2001 | 66         | 27.1                      | 38.9               |
| 5/27/2001 | 64         | 23.9                      | 40.1               |
| 5/28/2001 | 54         | 13.6                      | 40.4               |
| 5/29/2001 | 152        | 104.1                     | 47.9               |
| 5/30/2001 | 128        | 75.1                      | 52.9               |
| 5/31/2001 | 62         | 9.4                       | 52.6               |
| 6/1/2001  | 40         | 0.0                       | 40.0               |
| 6/2/2001  | 70         | 28.5                      | 41.5               |
| 6/3/2001  | 59         | 17.0                      | 42.0               |
| 6/4/2001  | 118        | 71.1                      | 46.9               |
| 6/5/2001  | 94         | 44.5                      | 49.5               |
| 6/6/2001  | 42         | 0.0                       | 42.0               |

## Crane Creek

| Day                          | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------------------------|------------|---------------------------|--------------------|
| 12/6/2010                    | 18.1       | 4.7                       | 13.4               |
| 12/7/2010                    | 15.2       | 1.9                       | 13.3               |
| 12/8/2010                    | 14.2       | 1.1                       | 13.1               |
| 12/9/2010                    | 17.3       | 4.1                       | 13.2               |
| 12/10/2010                   | 14         | 1.0                       | 13.0               |
| 12/11/2010                   | 14.4       | 1.6                       | 12.8               |
| 12/12/2010                   | 11.1       | 0.0                       | 11.1               |
| 12/13/2010                   | 13.5       | 2.4                       | 11.1               |
| 12/14/2010                   | 11.3       | 0.4                       | 10.9               |
| 12/15/2010                   | 8.6        | 0.0                       | 8.6                |
| 12/16/2010                   | 6.9        | 0.0                       | 6.9                |
| 12/17/2010                   | 6.2        | 0.0                       | 6.2                |
| 12/18/2010                   | 9.7        | 3.4                       | 6.3                |
| 12/19/2010                   | 10.9       | 4.3                       | 6.6                |
| 12/20/2010                   | 10.3       | 3.6                       | 6.7                |
| 12/21/2010                   | 7.3        | 0.7                       | 6.6                |
| 12/22/2010                   | 6.3        | 0.0                       | 6.3                |
| 12/23/2010                   | 9.7        | 3.3                       | 6.4                |
| 12/24/2010                   | 9          | 2.5                       | 6.5                |
| 12/25/2010                   | 7.3        | 0.9                       | 6.4                |
| 12/26/2010                   | 8.6        | 2.1                       | 6.5                |
| 12/27/2010                   | 10.7       | 4.0                       | 6.7                |
| 12/28/2010                   | 8.8        | 2.1                       | 6.7                |
| 12/29/2010                   | 8.8        | 2.1                       | 6.7                |
| 12/30/2010                   | 8.6        | 1.8                       | 6.8                |
| 12/31/2010                   | 8.1        | 1.4                       | 6.7                |
| Sum                          | 60299.7    | 18913.29                  | 41386.41           |
| Base Flow Index (BFI): 0.686 |            |                           |                    |

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/7/2001  | 6.3        | 0.8                       | 5.5                |
| 6/8/2001  | 11         | 5.2                       | 5.8                |
| 6/9/2001  | 12         | 5.8                       | 6.2                |
| 6/10/2001 | 9.6        | 3.3                       | 6.3                |
| 6/11/2001 | 29         | 21.1                      | 7.9                |
| 6/12/2001 | 30         | 20.6                      | 9.4                |
| 6/13/2001 | 14         | 4.5                       | 9.5                |
| 6/14/2001 | 13         | 3.4                       | 9.6                |
| 6/15/2001 | 11         | 1.5                       | 9.5                |
| 6/16/2001 | 9.5        | 0.1                       | 9.4                |
| 6/17/2001 | 8.4        | 0.0                       | 8.4                |
| 6/18/2001 | 7.7        | 0.0                       | 7.7                |
| 6/19/2001 | 7.3        | 0.0                       | 7.3                |
| 6/20/2001 | 7.1        | 0.0                       | 7.1                |
| 6/21/2001 | 6.7        | 0.0                       | 6.7                |
| 6/22/2001 | 11         | 4.1                       | 6.9                |
| 6/23/2001 | 12         | 4.9                       | 7.1                |
| 6/24/2001 | 10         | 2.8                       | 7.2                |
| 6/25/2001 | 9.4        | 2.1                       | 7.3                |
| 6/26/2001 | 8.2        | 1.0                       | 7.2                |
| 6/27/2001 | 7.8        | 0.7                       | 7.1                |
| 6/28/2001 | 11         | 3.7                       | 7.3                |
| 6/29/2001 | 12         | 4.5                       | 7.5                |
| 6/30/2001 | 11         | 3.4                       | 7.6                |
| 7/1/2001  | 9.8        | 2.2                       | 7.6                |
| 7/2/2001  | 9          | 1.4                       | 7.6                |
| 7/3/2001  | 8.6        | 1.1                       | 7.5                |
| 7/4/2001  | 7.4        | 0.0                       | 7.4                |
| 7/5/2001  | 17         | 9.1                       | 7.9                |
| 7/6/2001  | 28         | 18.7                      | 9.3                |
| 7/7/2001  | 16         | 6.4                       | 9.6                |
| 7/8/2001  | 13         | 3.3                       | 9.7                |
| 7/9/2001  | 16         | 6.0                       | 10.0               |
| 7/10/2001 | 50         | 37.2                      | 12.8               |
| 7/11/2001 | 43         | 28.2                      | 14.8               |
| 7/12/2001 | 57         | 39.4                      | 17.6               |
| 7/13/2001 | 39         | 20.1                      | 18.9               |
| 7/14/2001 | 27         | 7.9                       | 19.1               |
| 7/15/2001 | 29         | 9.5                       | 19.5               |
| 7/16/2001 | 22         | 2.7                       | 19.3               |
| 7/17/2001 | 31         | 11.2                      | 19.8               |
| 7/18/2001 | 31         | 10.7                      | 20.3               |
| 7/19/2001 | 31         | 10.3                      | 20.7               |
| 7/20/2001 | 60         | 36.8                      | 23.2               |
| 7/21/2001 | 72         | 45.6                      | 26.4               |
| 7/22/2001 | 72         | 42.7                      | 29.3               |
| 7/23/2001 | 39         | 9.5                       | 29.5               |
| 7/24/2001 | 29         | 0.1                       | 28.9               |
| 7/25/2001 | 24         | 0.0                       | 24.0               |
| 7/26/2001 | 21         | 0.0                       | 21.0               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/7/2001  | 52         | 12.9                      | 39.1               |
| 6/8/2001  | 46         | 7.3                       | 38.7               |
| 6/9/2001  | 44         | 5.9                       | 38.1               |
| 6/10/2001 | 43         | 5.5                       | 37.5               |
| 6/11/2001 | 45         | 7.8                       | 37.2               |
| 6/12/2001 | 43         | 6.3                       | 36.7               |
| 6/13/2001 | 42         | 5.8                       | 36.2               |
| 6/14/2001 | 41         | 5.4                       | 35.6               |
| 6/15/2001 | 42         | 6.7                       | 35.3               |
| 6/16/2001 | 45         | 9.6                       | 35.4               |
| 6/17/2001 | 42         | 6.9                       | 35.1               |
| 6/18/2001 | 37         | 2.9                       | 34.1               |
| 6/19/2001 | 35         | 1.9                       | 33.1               |
| 6/20/2001 | 36         | 3.7                       | 32.3               |
| 6/21/2001 | 38         | 6.0                       | 32.0               |
| 6/22/2001 | 41         | 8.9                       | 32.1               |
| 6/23/2001 | 47         | 13.9                      | 33.1               |
| 6/24/2001 | 56         | 20.9                      | 35.1               |
| 6/25/2001 | 63         | 25.3                      | 37.7               |
| 6/26/2001 | 59         | 19.6                      | 39.4               |
| 6/27/2001 | 66         | 24.3                      | 41.7               |
| 6/28/2001 | 131        | 78.4                      | 52.6               |
| 6/29/2001 | 185        | 116.0                     | 69.0               |
| 6/30/2001 | 162        | 82.5                      | 79.5               |
| 7/1/2001  | 106        | 25.6                      | 80.4               |
| 7/2/2001  | 67         | 0.0                       | 67.0               |
| 7/3/2001  | 53         | 0.0                       | 53.0               |
| 7/4/2001  | 49         | 0.0                       | 49.0               |
| 7/5/2001  | 51         | 3.4                       | 47.6               |
| 7/6/2001  | 76         | 26.1                      | 49.9               |
| 7/7/2001  | 106        | 50.1                      | 55.9               |
| 7/8/2001  | 102        | 41.7                      | 60.3               |
| 7/9/2001  | 115        | 49.2                      | 65.8               |
| 7/10/2001 | 184        | 104.2                     | 79.8               |
| 7/11/2001 | 259        | 157.2                     | 101.8              |
| 7/12/2001 | 269        | 147.7                     | 121.3              |
| 7/13/2001 | 244        | 109.9                     | 134.1              |
| 7/14/2001 | 272        | 123.5                     | 148.5              |
| 7/15/2001 | 498        | 306.4                     | 191.6              |
| 7/16/2001 | 530        | 298.4                     | 231.6              |
| 7/17/2001 | 266        | 37.6                      | 228.4              |
| 7/18/2001 | 177        | 0.0                       | 177.0              |
| 7/19/2001 | 378        | 179.4                     | 198.6              |
| 7/20/2001 | 461        | 233.0                     | 228.0              |
| 7/21/2001 | 481        | 226.0                     | 255.0              |
| 7/22/2001 | 549        | 262.2                     | 286.8              |
| 7/23/2001 | 528        | 217.9                     | 310.1              |
| 7/24/2001 | 448        | 129.5                     | 318.5              |
| 7/25/2001 | 301        | 0.0                       | 301.0              |
| 7/26/2001 | 166        | 0.0                       | 166.0              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/7/2001  | 37         | 22.6                      | 14.4               |
| 6/8/2001  | 34         | 18.9                      | 15.1               |
| 6/9/2001  | 34         | 18.4                      | 15.6               |
| 6/10/2001 | 28         | 12.0                      | 16.0               |
| 6/11/2001 | 23         | 6.9                       | 16.1               |
| 6/12/2001 | 19         | 3.0                       | 16.0               |
| 6/13/2001 | 17         | 1.1                       | 15.9               |
| 6/14/2001 | 16         | 0.2                       | 15.8               |
| 6/15/2001 | 14         | 0.0                       | 14.0               |
| 6/16/2001 | 13         | 0.0                       | 13.0               |
| 6/17/2001 | 12         | 0.0                       | 12.0               |
| 6/18/2001 | 10         | 0.0                       | 10.0               |
| 6/19/2001 | 11         | 1.1                       | 9.9                |
| 6/20/2001 | 11         | 1.1                       | 9.9                |
| 6/21/2001 | 10         | 0.2                       | 9.8                |
| 6/22/2001 | 10         | 0.3                       | 9.7                |
| 6/23/2001 | 11         | 1.3                       | 9.7                |
| 6/24/2001 | 23         | 12.9                      | 10.1               |
| 6/25/2001 | 32         | 21.2                      | 10.8               |
| 6/26/2001 | 38         | 26.2                      | 11.8               |
| 6/27/2001 | 32         | 19.6                      | 12.4               |
| 6/28/2001 | 42         | 28.5                      | 13.5               |
| 6/29/2001 | 63         | 47.8                      | 15.2               |
| 6/30/2001 | 56         | 39.3                      | 16.7               |
| 7/1/2001  | 45         | 27.4                      | 17.6               |
| 7/2/2001  | 36         | 17.9                      | 18.1               |
| 7/3/2001  | 31         | 12.6                      | 18.4               |
| 7/4/2001  | 25         | 6.5                       | 18.5               |
| 7/5/2001  | 23         | 4.5                       | 18.5               |
| 7/6/2001  | 30         | 11.2                      | 18.8               |
| 7/7/2001  | 29         | 10.0                      | 19.0               |
| 7/8/2001  | 30         | 10.8                      | 19.2               |
| 7/9/2001  | 44         | 24.0                      | 20.0               |
| 7/10/2001 | 107        | 83.8                      | 23.2               |
| 7/11/2001 | 136        | 108.7                     | 27.3               |
| 7/12/2001 | 147        | 115.4                     | 31.6               |
| 7/13/2001 | 120        | 85.3                      | 34.7               |
| 7/14/2001 | 100        | 63.1                      | 36.9               |
| 7/15/2001 | 296        | 249.5                     | 46.5               |
| 7/16/2001 | 422        | 361.5                     | 60.5               |
| 7/17/2001 | 443        | 368.4                     | 74.6               |
| 7/18/2001 | 473        | 383.8                     | 89.2               |
| 7/19/2001 | 343        | 244.9                     | 98.1               |
| 7/20/2001 | 300        | 195.0                     | 105.0              |
| 7/21/2001 | 480        | 361.6                     | 118.4              |
| 7/22/2001 | 605        | 469.1                     | 135.9              |
| 7/23/2001 | 523        | 373.5                     | 149.5              |
| 7/24/2001 | 400        | 242.3                     | 157.7              |
| 7/25/2001 | 295        | 133.5                     | 161.5              |
| 7/26/2001 | 225        | 62.6                      | 162.4              |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/7/2001  | 30         | 0.0                       | 30.0               |
| 6/8/2001  | 34         | 4.3                       | 29.7               |
| 6/9/2001  | 24         | 0.0                       | 24.0               |
| 6/10/2001 | 18         | 0.0                       | 18.0               |
| 6/11/2001 | 39         | 19.8                      | 19.2               |
| 6/12/2001 | 32         | 12.2                      | 19.8               |
| 6/13/2001 | 22         | 2.4                       | 19.6               |
| 6/14/2001 | 17         | 0.0                       | 17.0               |
| 6/15/2001 | 13         | 0.0                       | 13.0               |
| 6/16/2001 | 13         | 0.2                       | 12.8               |
| 6/17/2001 | 12         | 0.0                       | 12.0               |
| 6/18/2001 | 11         | 0.0                       | 11.0               |
| 6/19/2001 | 9.6        | 0.0                       | 9.6                |
| 6/20/2001 | 9.5        | 0.1                       | 9.4                |
| 6/21/2001 | 9.9        | 0.6                       | 9.3                |
| 6/22/2001 | 21         | 11.0                      | 10.0               |
| 6/23/2001 | 59         | 45.6                      | 13.4               |
| 6/24/2001 | 69         | 51.7                      | 17.3               |
| 6/25/2001 | 76         | 54.7                      | 21.3               |
| 6/26/2001 | 49         | 26.0                      | 23.0               |
| 6/27/2001 | 38         | 14.3                      | 23.7               |
| 6/28/2001 | 209        | 172.0                     | 37.0               |
| 6/29/2001 | 222        | 172.0                     | 50.0               |
| 6/30/2001 | 99         | 46.3                      | 52.7               |
| 7/1/2001  | 60         | 7.8                       | 52.2               |
| 7/2/2001  | 35         | 0.0                       | 35.0               |
| 7/3/2001  | 22         | 0.0                       | 22.0               |
| 7/4/2001  | 16         | 0.0                       | 16.0               |
| 7/5/2001  | 18         | 2.1                       | 15.9               |
| 7/6/2001  | 27         | 10.6                      | 16.4               |
| 7/7/2001  | 26         | 9.2                       | 16.8               |
| 7/8/2001  | 28         | 10.7                      | 17.3               |
| 7/9/2001  | 94         | 71.3                      | 22.7               |
| 7/10/2001 | 214        | 177.6                     | 36.4               |
| 7/11/2001 | 196        | 148.4                     | 47.6               |
| 7/12/2001 | 176        | 119.8                     | 56.2               |
| 7/13/2001 | 125        | 64.7                      | 60.3               |
| 7/14/2001 | 128        | 63.8                      | 64.2               |
| 7/15/2001 | 548        | 449.2                     | 98.8               |
| 7/16/2001 | 887        | 731.6                     | 155.4              |
| 7/17/2001 | 427        | 254.4                     | 172.6              |
| 7/18/2001 | 213        | 40.6                      | 172.4              |
| 7/19/2001 | 388        | 202.8                     | 185.2              |
| 7/20/2001 | 265        | 77.3                      | 187.7              |
| 7/21/2001 | 730        | 505.6                     | 224.4              |
| 7/22/2001 | 800        | 537.2                     | 262.8              |
| 7/23/2001 | 700        | 409.6                     | 290.4              |
| 7/24/2001 | 455        | 157.8                     | 297.2              |
| 7/25/2001 | 240        | 0.0                       | 240.0              |
| 7/26/2001 | 165        | 0.0                       | 165.0              |



## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/27/2001 | 20         | 0.0                       | 20.0               |
| 7/28/2001 | 19         | 0.0                       | 19.0               |
| 7/29/2001 | 16         | 0.0                       | 16.0               |
| 7/30/2001 | 16         | 0.3                       | 15.7               |
| 7/31/2001 | 14         | 0.0                       | 14.0               |
| 8/1/2001  | 14         | 0.3                       | 13.7               |
| 8/2/2001  | 22         | 7.9                       | 14.1               |
| 8/3/2001  | 30         | 15.0                      | 15.0               |
| 8/4/2001  | 54         | 36.4                      | 17.6               |
| 8/5/2001  | 77         | 55.3                      | 21.7               |
| 8/6/2001  | 48         | 24.8                      | 23.2               |
| 8/7/2001  | 34         | 10.4                      | 23.6               |
| 8/8/2001  | 27         | 3.6                       | 23.4               |
| 8/9/2001  | 23         | 0.0                       | 23.0               |
| 8/10/2001 | 20         | 0.0                       | 20.0               |
| 8/11/2001 | 19         | 0.0                       | 19.0               |
| 8/12/2001 | 18         | 0.0                       | 18.0               |
| 8/13/2001 | 17         | 0.0                       | 17.0               |
| 8/14/2001 | 21         | 4.0                       | 17.0               |
| 8/15/2001 | 42         | 23.5                      | 18.5               |
| 8/16/2001 | 51         | 30.4                      | 20.6               |
| 8/17/2001 | 30         | 9.1                       | 20.9               |
| 8/18/2001 | 33         | 11.6                      | 21.4               |
| 8/19/2001 | 38         | 15.8                      | 22.2               |
| 8/20/2001 | 26         | 3.9                       | 22.1               |
| 8/21/2001 | 22         | 0.3                       | 21.7               |
| 8/22/2001 | 19         | 0.0                       | 19.0               |
| 8/23/2001 | 17         | 0.0                       | 17.0               |
| 8/24/2001 | 16         | 0.0                       | 16.0               |
| 8/25/2001 | 14         | 0.0                       | 14.0               |
| 8/26/2001 | 13         | 0.0                       | 13.0               |
| 8/27/2001 | 13         | 0.2                       | 12.8               |
| 8/28/2001 | 12         | 0.0                       | 12.0               |
| 8/29/2001 | 12         | 0.2                       | 11.8               |
| 8/30/2001 | 11         | 0.0                       | 11.0               |
| 8/31/2001 | 11         | 0.2                       | 10.8               |
| 9/1/2001  | 11         | 0.4                       | 10.6               |
| 9/2/2001  | 10         | 0.0                       | 10.0               |
| 9/3/2001  | 10         | 0.2                       | 9.8                |
| 9/4/2001  | 9.9        | 0.3                       | 9.6                |
| 9/5/2001  | 11         | 1.4                       | 9.6                |
| 9/6/2001  | 12         | 2.4                       | 9.6                |
| 9/7/2001  | 17         | 7.1                       | 9.9                |
| 9/8/2001  | 19         | 8.6                       | 10.4               |
| 9/9/2001  | 14         | 3.5                       | 10.5               |
| 9/10/2001 | 13         | 2.5                       | 10.5               |
| 9/11/2001 | 12         | 1.6                       | 10.4               |
| 9/12/2001 | 26         | 14.6                      | 11.4               |
| 9/13/2001 | 74         | 58.2                      | 15.8               |
| 9/14/2001 | 110        | 87.5                      | 22.5               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/27/2001 | 123        | 0.0                       | 123.0              |
| 7/28/2001 | 117        | 0.0                       | 117.0              |
| 7/29/2001 | 110        | 0.0                       | 110.0              |
| 7/30/2001 | 108        | 2.1                       | 105.9              |
| 7/31/2001 | 104        | 2.0                       | 102.0              |
| 8/1/2001  | 114        | 13.9                      | 100.1              |
| 8/2/2001  | 355        | 223.2                     | 131.8              |
| 8/3/2001  | 714        | 506.4                     | 207.6              |
| 8/4/2001  | 793        | 511.8                     | 281.2              |
| 8/5/2001  | 830        | 482.8                     | 347.2              |
| 8/6/2001  | 866        | 459.2                     | 406.8              |
| 8/7/2001  | 759        | 317.7                     | 441.3              |
| 8/8/2001  | 618        | 167.5                     | 450.5              |
| 8/9/2001  | 511        | 67.7                      | 443.3              |
| 8/10/2001 | 410        | 0.0                       | 410.0              |
| 8/11/2001 | 327        | 0.0                       | 327.0              |
| 8/12/2001 | 303        | 0.0                       | 303.0              |
| 8/13/2001 | 276        | 0.0                       | 276.0              |
| 8/14/2001 | 244        | 0.0                       | 244.0              |
| 8/15/2001 | 216        | 0.0                       | 216.0              |
| 8/16/2001 | 196        | 0.0                       | 196.0              |
| 8/17/2001 | 173        | 0.0                       | 173.0              |
| 8/18/2001 | 151        | 0.0                       | 151.0              |
| 8/19/2001 | 133        | 0.0                       | 133.0              |
| 8/20/2001 | 116        | 0.0                       | 116.0              |
| 8/21/2001 | 106        | 0.0                       | 106.0              |
| 8/22/2001 | 108        | 5.4                       | 102.6              |
| 8/23/2001 | 94         | 0.0                       | 94.0               |
| 8/24/2001 | 74         | 0.0                       | 74.0               |
| 8/25/2001 | 65         | 0.0                       | 65.0               |
| 8/26/2001 | 63         | 0.5                       | 62.5               |
| 8/27/2001 | 60         | 0.0                       | 60.0               |
| 8/28/2001 | 56         | 0.0                       | 56.0               |
| 8/29/2001 | 53         | 0.0                       | 53.0               |
| 8/30/2001 | 51         | 0.1                       | 50.9               |
| 8/31/2001 | 50         | 1.0                       | 49.0               |
| 9/1/2001  | 49         | 1.7                       | 47.3               |
| 9/2/2001  | 49         | 3.1                       | 45.9               |
| 9/3/2001  | 62         | 15.4                      | 46.6               |
| 9/4/2001  | 74         | 25.3                      | 48.7               |
| 9/5/2001  | 79         | 27.8                      | 51.2               |
| 9/6/2001  | 114        | 55.9                      | 58.1               |
| 9/7/2001  | 157        | 87.2                      | 69.8               |
| 9/8/2001  | 217        | 129.3                     | 87.7               |
| 9/9/2001  | 229        | 124.9                     | 104.1              |
| 9/10/2001 | 221        | 104.3                     | 116.7              |
| 9/11/2001 | 232        | 103.5                     | 128.5              |
| 9/12/2001 | 527        | 347.9                     | 179.1              |
| 9/13/2001 | 818        | 557.0                     | 261.0              |
| 9/14/2001 | 893        | 553.8                     | 339.2              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/27/2001 | 187        | 25.2                      | 161.8              |
| 7/28/2001 | 287        | 122.0                     | 165.0              |
| 7/29/2001 | 224        | 58.3                      | 165.7              |
| 7/30/2001 | 169        | 4.8                       | 164.2              |
| 7/31/2001 | 133        | 0.0                       | 133.0              |
| 8/1/2001  | 108        | 0.0                       | 108.0              |
| 8/2/2001  | 175        | 65.5                      | 109.5              |
| 8/3/2001  | 278        | 163.0                     | 115.0              |
| 8/4/2001  | 331        | 208.8                     | 122.2              |
| 8/5/2001  | 424        | 291.4                     | 132.6              |
| 8/6/2001  | 396        | 254.5                     | 141.5              |
| 8/7/2001  | 297        | 150.9                     | 146.1              |
| 8/8/2001  | 211        | 63.8                      | 147.2              |
| 8/9/2001  | 164        | 17.6                      | 146.4              |
| 8/10/2001 | 135        | 0.0                       | 135.0              |
| 8/11/2001 | 122        | 0.0                       | 122.0              |
| 8/12/2001 | 125        | 4.1                       | 120.9              |
| 8/13/2001 | 110        | 0.0                       | 110.0              |
| 8/14/2001 | 90         | 0.0                       | 90.0               |
| 8/15/2001 | 106        | 16.3                      | 89.8               |
| 8/16/2001 | 121        | 30.9                      | 90.1               |
| 8/17/2001 | 101        | 11.4                      | 89.6               |
| 8/18/2001 | 79         | 0.0                       | 79.0               |
| 8/19/2001 | 72         | 0.0                       | 72.0               |
| 8/20/2001 | 64         | 0.0                       | 64.0               |
| 8/21/2001 | 59         | 0.0                       | 59.0               |
| 8/22/2001 | 58         | 0.0                       | 58.0               |
| 8/23/2001 | 53         | 0.0                       | 53.0               |
| 8/24/2001 | 51         | 0.0                       | 51.0               |
| 8/25/2001 | 48         | 0.0                       | 48.0               |
| 8/26/2001 | 45         | 0.0                       | 45.0               |
| 8/27/2001 | 43         | 0.0                       | 43.0               |
| 8/28/2001 | 43         | 0.4                       | 42.6               |
| 8/29/2001 | 41         | 0.0                       | 41.0               |
| 8/30/2001 | 39         | 0.0                       | 39.0               |
| 8/31/2001 | 37         | 0.0                       | 37.0               |
| 9/1/2001  | 36         | 0.0                       | 36.0               |
| 9/2/2001  | 35         | 0.0                       | 35.0               |
| 9/3/2001  | 35         | 0.3                       | 34.7               |
| 9/4/2001  | 37         | 2.6                       | 34.4               |
| 9/5/2001  | 47         | 12.4                      | 34.6               |
| 9/6/2001  | 47         | 12.3                      | 34.7               |
| 9/7/2001  | 84         | 47.7                      | 36.3               |
| 9/8/2001  | 176        | 134.7                     | 41.3               |
| 9/9/2001  | 165        | 119.3                     | 45.7               |
| 9/10/2001 | 172        | 121.9                     | 50.1               |
| 9/11/2001 | 143        | 89.8                      | 53.2               |
| 9/12/2001 | 399        | 333.0                     | 66.0               |
| 9/13/2001 | 643        | 555.5                     | 87.5               |
| 9/14/2001 | 770        | 657.1                     | 112.9              |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/27/2001 | 165        | 3.1                       | 161.9              |
| 7/28/2001 | 275        | 107.7                     | 167.3              |
| 7/29/2001 | 145        | 0.0                       | 145.0              |
| 7/30/2001 | 117        | 0.0                       | 117.0              |
| 7/31/2001 | 96         | 0.0                       | 96.0               |
| 8/1/2001  | 98         | 3.6                       | 94.4               |
| 8/2/2001  | 191        | 91.2                      | 99.8               |
| 8/3/2001  | 488        | 361.3                     | 126.7              |
| 8/4/2001  | 772        | 599.9                     | 172.1              |
| 8/5/2001  | 749        | 537.3                     | 211.7              |
| 8/6/2001  | 500        | 270.9                     | 229.1              |
| 8/7/2001  | 531        | 283.8                     | 247.2              |
| 8/8/2001  | 292        | 46.0                      | 246.0              |
| 8/9/2001  | 171        | 0.0                       | 171.0              |
| 8/10/2001 | 139        | 0.0                       | 139.0              |
| 8/11/2001 | 152        | 14.6                      | 137.4              |
| 8/12/2001 | 128        | 0.0                       | 128.0              |
| 8/13/2001 | 110        | 0.0                       | 110.0              |
| 8/14/2001 | 97         | 0.0                       | 97.0               |
| 8/15/2001 | 151        | 51.8                      | 99.2               |
| 8/16/2001 | 299        | 186.8                     | 112.2              |
| 8/17/2001 | 193        | 76.9                      | 116.1              |
| 8/18/2001 | 126        | 11.3                      | 114.7              |
| 8/19/2001 | 105        | 0.0                       | 105.0              |
| 8/20/2001 | 102        | 0.0                       | 102.0              |
| 8/21/2001 | 100        | 0.0                       | 100.0              |
| 8/22/2001 | 121        | 21.3                      | 99.7               |
| 8/23/2001 | 110        | 11.4                      | 98.6               |
| 8/24/2001 | 104        | 6.8                       | 97.2               |
| 8/25/2001 | 91         | 0.0                       | 91.0               |
| 8/26/2001 | 89         | 0.0                       | 89.0               |
| 8/27/2001 | 86         | 0.0                       | 86.0               |
| 8/28/2001 | 84         | 0.0                       | 84.0               |
| 8/29/2001 | 79         | 0.0                       | 79.0               |
| 8/30/2001 | 83         | 5.2                       | 77.8               |
| 8/31/2001 | 82         | 5.3                       | 76.7               |
| 9/1/2001  | 81         | 5.4                       | 75.6               |
| 9/2/2001  | 79         | 4.5                       | 74.5               |
| 9/3/2001  | 80         | 6.5                       | 73.5               |
| 9/4/2001  | 76         | 3.7                       | 72.3               |
| 9/5/2001  | 68         | 0.0                       | 68.0               |
| 9/6/2001  | 60         | 0.0                       | 60.0               |
| 9/7/2001  | 128        | 64.1                      | 63.9               |
| 9/8/2001  | 357        | 272.5                     | 84.5               |
| 9/9/2001  | 232        | 138.2                     | 93.8               |
| 9/10/2001 | 286        | 179.7                     | 106.3              |
| 9/11/2001 | 196        | 85.0                      | 111.0              |
| 9/12/2001 | 634        | 486.3                     | 147.7              |
| 9/13/2001 | 800        | 606.7                     | 193.3              |
| 9/14/2001 | 857        | 618.2                     | 238.8              |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/15/2001  | 74         | 48.1                      | 25.9               |
| 9/16/2001  | 46         | 19.1                      | 26.9               |
| 9/17/2001  | 35         | 8.0                       | 27.0               |
| 9/18/2001  | 30         | 3.3                       | 26.7               |
| 9/19/2001  | 26         | 0.0                       | 26.0               |
| 9/20/2001  | 23         | 0.0                       | 23.0               |
| 9/21/2001  | 21         | 0.0                       | 21.0               |
| 9/22/2001  | 19         | 0.0                       | 19.0               |
| 9/23/2001  | 18         | 0.0                       | 18.0               |
| 9/24/2001  | 17         | 0.0                       | 17.0               |
| 9/25/2001  | 19         | 2.2                       | 16.8               |
| 9/26/2001  | 23         | 6.0                       | 17.0               |
| 9/27/2001  | 38         | 19.8                      | 18.2               |
| 9/28/2001  | 30         | 11.2                      | 18.8               |
| 9/29/2001  | 29         | 9.8                       | 19.2               |
| 9/30/2001  | 59         | 37.2                      | 21.8               |
| 10/1/2001  | 31.53      | 9.4                       | 22.1               |
| 10/2/2001  | 24.51      | 2.7                       | 21.9               |
| 10/3/2001  | 21.28      | 0.0                       | 21.3               |
| 10/4/2001  | 19.06      | 0.0                       | 19.1               |
| 10/5/2001  | 17.64      | 0.0                       | 17.6               |
| 10/6/2001  | 16.78      | 0.0                       | 16.8               |
| 10/7/2001  | 15.63      | 0.0                       | 15.6               |
| 10/8/2001  | 15.39      | 0.1                       | 15.3               |
| 10/9/2001  | 14.11      | 0.0                       | 14.1               |
| 10/10/2001 | 13.77      | 0.0                       | 13.8               |
| 10/11/2001 | 13.59      | 0.1                       | 13.5               |
| 10/12/2001 | 13.72      | 0.5                       | 13.3               |
| 10/13/2001 | 13.01      | 0.0                       | 13.0               |
| 10/14/2001 | 12.39      | 0.0                       | 12.4               |
| 10/15/2001 | 12.1       | 0.0                       | 12.1               |
| 10/16/2001 | 12.49      | 0.6                       | 11.9               |
| 10/17/2001 | 11.89      | 0.2                       | 11.7               |
| 10/18/2001 | 11.38      | 0.0                       | 11.4               |
| 10/19/2001 | 14.98      | 3.5                       | 11.4               |
| 10/20/2001 | 16.53      | 4.9                       | 11.6               |
| 10/21/2001 | 30.47      | 17.7                      | 12.8               |
| 10/22/2001 | 33.96      | 19.8                      | 14.1               |
| 10/23/2001 | 26.42      | 11.7                      | 14.8               |
| 10/24/2001 | 44.43      | 27.7                      | 16.7               |
| 10/25/2001 | 67.52      | 47.4                      | 20.1               |
| 10/26/2001 | 48.17      | 26.3                      | 21.8               |
| 10/27/2001 | 31.46      | 9.3                       | 22.2               |
| 10/28/2001 | 25.02      | 3.1                       | 22.0               |
| 10/29/2001 | 22.02      | 0.5                       | 21.6               |
| 10/30/2001 | 19.98      | 0.0                       | 20.0               |
| 10/31/2001 | 17.67      | 0.0                       | 17.7               |
| 11/1/2001  | 16.91      | 0.0                       | 16.9               |
| 11/2/2001  | 17.76      | 1.1                       | 16.7               |
| 11/3/2001  | 17.15      | 0.8                       | 16.4               |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/15/2001  | 797        | 406.4                     | 390.6              |
| 9/16/2001  | 632        | 221.5                     | 410.5              |
| 9/17/2001  | 518        | 106.9                     | 411.1              |
| 9/18/2001  | 421        | 22.7                      | 398.3              |
| 9/19/2001  | 297        | 0.0                       | 297.0              |
| 9/20/2001  | 192        | 0.0                       | 192.0              |
| 9/21/2001  | 146        | 0.0                       | 146.0              |
| 9/22/2001  | 121        | 0.0                       | 121.0              |
| 9/23/2001  | 117        | 0.7                       | 116.3              |
| 9/24/2001  | 124        | 10.7                      | 113.3              |
| 9/25/2001  | 118        | 7.9                       | 110.1              |
| 9/26/2001  | 148        | 36.5                      | 111.5              |
| 9/27/2001  | 368        | 225.0                     | 143.0              |
| 9/28/2001  | 485        | 299.7                     | 185.3              |
| 9/29/2001  | 450        | 234.6                     | 215.4              |
| 9/30/2001  | 565        | 308.8                     | 256.2              |
| 10/1/2001  | 514        | 231.1                     | 282.9              |
| 10/2/2001  | 322        | 43.4                      | 278.6              |
| 10/3/2001  | 174        | 0.0                       | 174.0              |
| 10/4/2001  | 133        | 0.0                       | 133.0              |
| 10/5/2001  | 116        | 0.0                       | 116.0              |
| 10/6/2001  | 106        | 0.0                       | 106.0              |
| 10/7/2001  | 100        | 0.0                       | 100.0              |
| 10/8/2001  | 105        | 7.8                       | 97.2               |
| 10/9/2001  | 118        | 21.2                      | 96.8               |
| 10/10/2001 | 114        | 18.2                      | 95.8               |
| 10/11/2001 | 108        | 13.8                      | 94.2               |
| 10/12/2001 | 99         | 7.4                       | 91.6               |
| 10/13/2001 | 92         | 3.5                       | 88.5               |
| 10/14/2001 | 88         | 2.6                       | 85.4               |
| 10/15/2001 | 72         | 0.0                       | 72.0               |
| 10/16/2001 | 60         | 0.0                       | 60.0               |
| 10/17/2001 | 60         | 2.1                       | 57.9               |
| 10/18/2001 | 60         | 3.8                       | 56.2               |
| 10/19/2001 | 57         | 2.6                       | 54.4               |
| 10/20/2001 | 58         | 5.0                       | 53.0               |
| 10/21/2001 | 66         | 13.0                      | 53.0               |
| 10/22/2001 | 91         | 34.6                      | 56.4               |
| 10/23/2001 | 110        | 48.2                      | 61.8               |
| 10/24/2001 | 109        | 42.8                      | 66.2               |
| 10/25/2001 | 176        | 96.9                      | 79.1               |
| 10/26/2001 | 467        | 337.1                     | 129.9              |
| 10/27/2001 | 568        | 382.2                     | 185.8              |
| 10/28/2001 | 416        | 204.8                     | 211.2              |
| 10/29/2001 | 262        | 51.1                      | 210.9              |
| 10/30/2001 | 158        | 0.0                       | 158.0              |
| 10/31/2001 | 116        | 0.0                       | 116.0              |
| 11/1/2001  | 131        | 16.9                      | 114.1              |
| 11/2/2001  | 143        | 28.9                      | 114.1              |
| 11/3/2001  | 105        | 0.0                       | 105.0              |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/15/2001  | 659        | 526.1                     | 132.9              |
| 9/16/2001  | 432        | 288.9                     | 143.1              |
| 9/17/2001  | 285        | 137.8                     | 147.2              |
| 9/18/2001  | 218        | 69.5                      | 148.5              |
| 9/19/2001  | 174        | 26.0                      | 148.0              |
| 9/20/2001  | 146        | 0.0                       | 146.0              |
| 9/21/2001  | 123        | 0.0                       | 123.0              |
| 9/22/2001  | 107        | 0.0                       | 107.0              |
| 9/23/2001  | 92         | 0.0                       | 92.0               |
| 9/24/2001  | 81         | 0.0                       | 81.0               |
| 9/25/2001  | 75         | 0.0                       | 75.0               |
| 9/26/2001  | 74         | 0.0                       | 74.0               |
| 9/27/2001  | 172        | 94.9                      | 77.1               |
| 9/28/2001  | 239        | 156.5                     | 82.5               |
| 9/29/2001  | 303        | 212.8                     | 90.2               |
| 9/30/2001  | 302        | 204.5                     | 97.5               |
| 10/1/2001  | 210        | 109.1                     | 100.9              |
| 10/2/2001  | 162        | 59.7                      | 102.3              |
| 10/3/2001  | 134        | 31.5                      | 102.5              |
| 10/4/2001  | 115        | 13.0                      | 102.0              |
| 10/5/2001  | 95         | 0.0                       | 95.0               |
| 10/6/2001  | 86         | 0.0                       | 86.0               |
| 10/7/2001  | 77         | 0.0                       | 77.0               |
| 10/8/2001  | 73         | 0.0                       | 73.0               |
| 10/9/2001  | 71         | 0.0                       | 71.0               |
| 10/10/2001 | 63         | 0.0                       | 63.0               |
| 10/11/2001 | 60         | 0.0                       | 60.0               |
| 10/12/2001 | 56         | 0.0                       | 56.0               |
| 10/13/2001 | 53         | 0.0                       | 53.0               |
| 10/14/2001 | 50         | 0.0                       | 50.0               |
| 10/15/2001 | 48         | 0.0                       | 48.0               |
| 10/16/2001 | 46         | 0.0                       | 46.0               |
| 10/17/2001 | 43         | 0.0                       | 43.0               |
| 10/18/2001 | 42         | 0.0                       | 42.0               |
| 10/19/2001 | 42         | 0.4                       | 41.6               |
| 10/20/2001 | 45         | 3.7                       | 41.3               |
| 10/21/2001 | 44         | 3.0                       | 41.0               |
| 10/22/2001 | 74         | 32.1                      | 41.9               |
| 10/23/2001 | 159        | 113.0                     | 46.0               |
| 10/24/2001 | 108        | 60.1                      | 47.9               |
| 10/25/2001 | 101        | 51.5                      | 49.5               |
| 10/26/2001 | 119        | 67.3                      | 51.7               |
| 10/27/2001 | 102        | 48.8                      | 53.2               |
| 10/28/2001 | 73         | 19.6                      | 53.4               |
| 10/29/2001 | 59         | 5.9                       | 53.1               |
| 10/30/2001 | 53         | 0.4                       | 52.6               |
| 10/31/2001 | 49         | 0.0                       | 49.0               |
| 11/1/2001  | 47         | 0.0                       | 47.0               |
| 11/2/2001  | 50         | 3.3                       | 46.7               |
| 11/3/2001  | 49         | 2.7                       | 46.3               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/15/2001  | 647        | 382.3                     | 264.7              |
| 9/16/2001  | 378        | 109.8                     | 268.2              |
| 9/17/2001  | 240        | 0.0                       | 240.0              |
| 9/18/2001  | 168        | 0.0                       | 168.0              |
| 9/19/2001  | 140        | 0.0                       | 140.0              |
| 9/20/2001  | 125        | 0.0                       | 125.0              |
| 9/21/2001  | 123        | 0.5                       | 122.5              |
| 9/22/2001  | 113        | 0.0                       | 113.0              |
| 9/23/2001  | 101        | 0.0                       | 101.0              |
| 9/24/2001  | 98         | 0.0                       | 98.0               |
| 9/25/2001  | 101        | 4.6                       | 96.4               |
| 9/26/2001  | 102        | 7.0                       | 95.0               |
| 9/27/2001  | 374        | 260.1                     | 113.9              |
| 9/28/2001  | 413        | 279.0                     | 134.0              |
| 9/29/2001  | 417        | 264.5                     | 152.5              |
| 9/30/2001  | 706        | 515.4                     | 190.6              |
| 10/1/2001  | 546        | 332.6                     | 213.4              |
| 10/2/2001  | 290        | 74.8                      | 215.2              |
| 10/3/2001  | 188        | 0.0                       | 188.0              |
| 10/4/2001  | 156        | 0.0                       | 156.0              |
| 10/5/2001  | 138        | 0.0                       | 138.0              |
| 10/6/2001  | 117        | 0.0                       | 117.0              |
| 10/7/2001  | 107        | 0.0                       | 107.0              |
| 10/8/2001  | 101        | 0.0                       | 101.0              |
| 10/9/2001  | 102        | 2.8                       | 99.2               |
| 10/10/2001 | 99         | 1.6                       | 97.4               |
| 10/11/2001 | 93         | 0.0                       | 93.0               |
| 10/12/2001 | 95         | 3.6                       | 91.4               |
| 10/13/2001 | 84         | 0.0                       | 84.0               |
| 10/14/2001 | 81         | 0.0                       | 81.0               |
| 10/15/2001 | 78         | 0.0                       | 78.0               |
| 10/16/2001 | 77         | 0.5                       | 76.5               |
| 10/17/2001 | 95         | 18.6                      | 76.4               |
| 10/18/2001 | 96         | 19.5                      | 76.5               |
| 10/19/2001 | 89         | 13.0                      | 76.0               |
| 10/20/2001 | 75         | 0.5                       | 74.5               |
| 10/21/2001 | 73         | 0.0                       | 73.0               |
| 10/22/2001 | 117        | 42.1                      | 74.9               |
| 10/23/2001 | 86         | 11.7                      | 74.3               |
| 10/24/2001 | 93         | 18.7                      | 74.3               |
| 10/25/2001 | 127        | 50.1                      | 76.9               |
| 10/26/2001 | 166        | 84.0                      | 82.0               |
| 10/27/2001 | 148        | 62.6                      | 85.4               |
| 10/28/2001 | 89         | 4.9                       | 84.1               |
| 10/29/2001 | 75         | 0.0                       | 75.0               |
| 10/30/2001 | 71         | 0.0                       | 71.0               |
| 10/31/2001 | 72         | 2.2                       | 69.8               |
| 11/1/2001  | 88         | 18.2                      | 69.8               |
| 11/2/2001  | 99         | 28.3                      | 70.7               |
| 11/3/2001  | 101        | 29.4                      | 71.6               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/4/2001  | 16.32      | 0.2                       | 16.1               |
| 11/5/2001  | 15.09      | 0.0                       | 15.1               |
| 11/6/2001  | 14.27      | 0.0                       | 14.3               |
| 11/7/2001  | 13.14      | 0.0                       | 13.1               |
| 11/8/2001  | 12.55      | 0.0                       | 12.6               |
| 11/9/2001  | 12         | 0.0                       | 12.0               |
| 11/10/2001 | 11.83      | 0.1                       | 11.8               |
| 11/11/2001 | 11.14      | 0.0                       | 11.1               |
| 11/12/2001 | 11         | 0.1                       | 10.9               |
| 11/13/2001 | 16.93      | 5.8                       | 11.2               |
| 11/14/2001 | 52.7       | 38.7                      | 14.0               |
| 11/15/2001 | 40.91      | 25.1                      | 15.8               |
| 11/16/2001 | 27.3       | 11.0                      | 16.3               |
| 11/17/2001 | 22.88      | 6.4                       | 16.5               |
| 11/18/2001 | 20.14      | 3.7                       | 16.5               |
| 11/19/2001 | 18.16      | 1.9                       | 16.3               |
| 11/20/2001 | 17.33      | 1.3                       | 16.1               |
| 11/21/2001 | 16.38      | 0.6                       | 15.8               |
| 11/22/2001 | 15.36      | 0.0                       | 15.4               |
| 11/23/2001 | 14.7       | 0.0                       | 14.7               |
| 11/24/2001 | 14         | 0.0                       | 14.0               |
| 11/25/2001 | 13.69      | 0.0                       | 13.7               |
| 11/26/2001 | 13.76      | 0.3                       | 13.4               |
| 11/27/2001 | 12.71      | 0.0                       | 12.7               |
| 11/28/2001 | 12.4       | 0.0                       | 12.4               |
| 11/29/2001 | 11.86      | 0.0                       | 11.9               |
| 11/30/2001 | 11.02      | 0.0                       | 11.0               |
| 12/1/2001  | 11         | 0.2                       | 10.8               |
| 12/2/2001  | 10.84      | 0.2                       | 10.6               |
| 12/3/2001  | 10.6       | 0.2                       | 10.4               |
| 12/4/2001  | 10.73      | 0.5                       | 10.2               |
| 12/5/2001  | 11.05      | 0.9                       | 10.1               |
| 12/6/2001  | 10.95      | 1.0                       | 10.0               |
| 12/7/2001  | 12.28      | 2.3                       | 10.0               |
| 12/8/2001  | 11.88      | 1.9                       | 9.9                |
| 12/9/2001  | 10.99      | 1.2                       | 9.8                |
| 12/10/2001 | 11.04      | 1.3                       | 9.7                |
| 12/11/2001 | 11.27      | 1.6                       | 9.7                |
| 12/12/2001 | 10.74      | 1.2                       | 9.6                |
| 12/13/2001 | 9.85       | 0.4                       | 9.4                |
| 12/14/2001 | 9.43       | 0.2                       | 9.2                |
| 12/15/2001 | 8.95       | 0.0                       | 9.0                |
| 12/16/2001 | 9.21       | 0.4                       | 8.8                |
| 12/17/2001 | 8.66       | 0.0                       | 8.6                |
| 12/18/2001 | 8.65       | 0.2                       | 8.5                |
| 12/19/2001 | 8.4        | 0.1                       | 8.3                |
| 12/20/2001 | 8.13       | 0.0                       | 8.1                |
| 12/21/2001 | 7.92       | 0.0                       | 7.9                |
| 12/22/2001 | 7.74       | 0.0                       | 7.7                |
| 12/23/2001 | 7.68       | 0.1                       | 7.6                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/4/2001  | 91         | 0.0                       | 91.0               |
| 11/5/2001  | 89         | 1.4                       | 87.6               |
| 11/6/2001  | 93         | 7.7                       | 85.3               |
| 11/7/2001  | 89         | 6.1                       | 82.9               |
| 11/8/2001  | 82         | 2.1                       | 79.9               |
| 11/9/2001  | 67         | 0.0                       | 67.0               |
| 11/10/2001 | 52         | 0.0                       | 52.0               |
| 11/11/2001 | 47         | 0.0                       | 47.0               |
| 11/12/2001 | 44         | 0.0                       | 44.0               |
| 11/13/2001 | 49         | 5.8                       | 43.2               |
| 11/14/2001 | 72         | 26.3                      | 45.7               |
| 11/15/2001 | 96         | 45.0                      | 51.0               |
| 11/16/2001 | 103        | 46.6                      | 56.4               |
| 11/17/2001 | 95         | 35.2                      | 59.8               |
| 11/18/2001 | 88         | 26.4                      | 61.6               |
| 11/19/2001 | 77         | 15.4                      | 61.6               |
| 11/20/2001 | 64         | 4.2                       | 59.8               |
| 11/21/2001 | 58         | 0.5                       | 57.5               |
| 11/22/2001 | 55         | 0.0                       | 55.0               |
| 11/23/2001 | 52         | 0.0                       | 52.0               |
| 11/24/2001 | 51         | 0.9                       | 50.1               |
| 11/25/2001 | 49         | 0.8                       | 48.2               |
| 11/26/2001 | 46         | 0.0                       | 46.0               |
| 11/27/2001 | 44         | 0.0                       | 44.0               |
| 11/28/2001 | 41         | 0.0                       | 41.0               |
| 11/29/2001 | 39         | 0.0                       | 39.0               |
| 11/30/2001 | 38         | 0.5                       | 37.5               |
| 12/1/2001  | 36         | 0.0                       | 36.0               |
| 12/2/2001  | 35         | 0.4                       | 34.6               |
| 12/3/2001  | 34         | 0.7                       | 33.3               |
| 12/4/2001  | 34         | 1.7                       | 32.3               |
| 12/5/2001  | 34         | 2.6                       | 31.4               |
| 12/6/2001  | 33         | 2.5                       | 30.5               |
| 12/7/2001  | 35         | 4.9                       | 30.1               |
| 12/8/2001  | 48         | 16.5                      | 31.5               |
| 12/9/2001  | 64         | 29.1                      | 34.9               |
| 12/10/2001 | 82         | 41.8                      | 40.2               |
| 12/11/2001 | 80         | 35.7                      | 44.3               |
| 12/12/2001 | 70         | 23.7                      | 46.3               |
| 12/13/2001 | 61         | 14.2                      | 46.8               |
| 12/14/2001 | 50         | 4.4                       | 45.6               |
| 12/15/2001 | 45         | 1.1                       | 43.9               |
| 12/16/2001 | 43         | 0.7                       | 42.3               |
| 12/17/2001 | 40         | 0.0                       | 40.0               |
| 12/18/2001 | 37         | 0.0                       | 37.0               |
| 12/19/2001 | 59         | 20.2                      | 38.8               |
| 12/20/2001 | 61         | 20.5                      | 40.5               |
| 12/21/2001 | 35         | 0.0                       | 35.0               |
| 12/22/2001 | 32         | 0.0                       | 32.0               |
| 12/23/2001 | 32         | 1.1                       | 30.9               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/4/2001  | 54         | 7.8                       | 46.2               |
| 11/5/2001  | 88         | 40.7                      | 47.3               |
| 11/6/2001  | 85         | 36.7                      | 48.3               |
| 11/7/2001  | 65         | 16.5                      | 48.5               |
| 11/8/2001  | 56         | 7.7                       | 48.3               |
| 11/9/2001  | 51         | 3.0                       | 48.0               |
| 11/10/2001 | 47         | 0.0                       | 47.0               |
| 11/11/2001 | 45         | 0.0                       | 45.0               |
| 11/12/2001 | 42         | 0.0                       | 42.0               |
| 11/13/2001 | 43         | 1.4                       | 41.6               |
| 11/14/2001 | 52         | 10.4                      | 41.6               |
| 11/15/2001 | 54         | 12.3                      | 41.7               |
| 11/16/2001 | 50         | 8.4                       | 41.6               |
| 11/17/2001 | 44         | 2.7                       | 41.3               |
| 11/18/2001 | 41         | 0.1                       | 40.9               |
| 11/19/2001 | 42         | 1.4                       | 40.6               |
| 11/20/2001 | 41         | 0.8                       | 40.2               |
| 11/21/2001 | 39         | 0.0                       | 39.0               |
| 11/22/2001 | 37         | 0.0                       | 37.0               |
| 11/23/2001 | 35         | 0.0                       | 35.0               |
| 11/24/2001 | 34         | 0.0                       | 34.0               |
| 11/25/2001 | 32         | 0.0                       | 32.0               |
| 11/26/2001 | 34         | 2.2                       | 31.8               |
| 11/27/2001 | 34         | 2.5                       | 31.5               |
| 11/28/2001 | 33         | 1.7                       | 31.3               |
| 11/29/2001 | 31         | 0.0                       | 31.0               |
| 11/30/2001 | 29         | 0.0                       | 29.0               |
| 12/1/2001  | 28         | 0.0                       | 28.0               |
| 12/2/2001  | 27         | 0.0                       | 27.0               |
| 12/3/2001  | 27         | 0.3                       | 26.7               |
| 12/4/2001  | 26         | 0.0                       | 26.0               |
| 12/5/2001  | 26         | 0.3                       | 25.8               |
| 12/6/2001  | 26         | 0.5                       | 25.5               |
| 12/7/2001  | 26         | 0.7                       | 25.3               |
| 12/8/2001  | 26         | 0.9                       | 25.1               |
| 12/9/2001  | 26         | 1.1                       | 24.9               |
| 12/10/2001 | 31         | 6.1                       | 24.9               |
| 12/11/2001 | 27         | 2.3                       | 24.7               |
| 12/12/2001 | 26         | 1.5                       | 24.5               |
| 12/13/2001 | 26         | 1.7                       | 24.3               |
| 12/14/2001 | 26         | 1.8                       | 24.2               |
| 12/15/2001 | 26         | 2.0                       | 24.0               |
| 12/16/2001 | 28         | 4.1                       | 23.9               |
| 12/17/2001 | 27         | 3.2                       | 23.8               |
| 12/18/2001 | 28         | 4.3                       | 23.7               |
| 12/19/2001 | 27         | 3.4                       | 23.6               |
| 12/20/2001 | 25         | 1.5                       | 23.5               |
| 12/21/2001 | 25         | 1.7                       | 23.3               |
| 12/22/2001 | 24         | 0.9                       | 23.1               |
| 12/23/2001 | 24         | 1.1                       | 22.9               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/4/2001  | 64         | 0.0                       | 64.0               |
| 11/5/2001  | 78         | 14.1                      | 63.9               |
| 11/6/2001  | 85         | 20.8                      | 64.2               |
| 11/7/2001  | 73         | 9.3                       | 63.7               |
| 11/8/2001  | 68         | 5.2                       | 62.8               |
| 11/9/2001  | 65         | 3.2                       | 61.8               |
| 11/10/2001 | 62         | 1.3                       | 60.7               |
| 11/11/2001 | 62         | 2.3                       | 59.7               |
| 11/12/2001 | 61         | 2.3                       | 58.7               |
| 11/13/2001 | 55         | 0.0                       | 55.0               |
| 11/14/2001 | 88         | 31.6                      | 56.4               |
| 11/15/2001 | 121        | 60.8                      | 60.2               |
| 11/16/2001 | 112        | 49.1                      | 62.9               |
| 11/17/2001 | 67         | 5.0                       | 62.0               |
| 11/18/2001 | 62         | 1.1                       | 60.9               |
| 11/19/2001 | 61         | 1.2                       | 59.8               |
| 11/20/2001 | 62         | 3.2                       | 58.8               |
| 11/21/2001 | 58         | 0.3                       | 57.7               |
| 11/22/2001 | 57         | 0.4                       | 56.6               |
| 11/23/2001 | 57         | 1.5                       | 55.5               |
| 11/24/2001 | 55         | 0.5                       | 54.5               |
| 11/25/2001 | 52         | 0.0                       | 52.0               |
| 11/26/2001 | 54         | 2.8                       | 51.2               |
| 11/27/2001 | 54         | 3.6                       | 50.4               |
| 11/28/2001 | 49         | 0.0                       | 49.0               |
| 11/29/2001 | 46         | 0.0                       | 46.0               |
| 11/30/2001 | 46         | 0.9                       | 45.1               |
| 12/1/2001  | 46         | 1.6                       | 44.4               |
| 12/2/2001  | 46         | 2.3                       | 43.7               |
| 12/3/2001  | 45         | 2.0                       | 43.0               |
| 12/4/2001  | 49         | 6.4                       | 42.6               |
| 12/5/2001  | 59         | 16.0                      | 43.0               |
| 12/6/2001  | 57         | 13.7                      | 43.3               |
| 12/7/2001  | 58         | 14.4                      | 43.6               |
| 12/8/2001  | 57         | 13.2                      | 43.8               |
| 12/9/2001  | 57         | 13.1                      | 43.9               |
| 12/10/2001 | 59         | 14.8                      | 44.2               |
| 12/11/2001 | 57         | 12.6                      | 44.4               |
| 12/12/2001 | 50         | 6.0                       | 44.0               |
| 12/13/2001 | 49         | 5.5                       | 43.5               |
| 12/14/2001 | 46         | 3.1                       | 42.9               |
| 12/15/2001 | 48         | 5.5                       | 42.5               |
| 12/16/2001 | 53         | 10.5                      | 42.5               |
| 12/17/2001 | 57         | 14.2                      | 42.8               |
| 12/18/2001 | 57         | 14.0                      | 43.0               |
| 12/19/2001 | 60         | 16.5                      | 43.5               |
| 12/20/2001 | 64         | 19.8                      | 44.2               |
| 12/21/2001 | 59         | 14.5                      | 44.5               |
| 12/22/2001 | 89         | 42.1                      | 46.9               |
| 12/23/2001 | 93         | 43.5                      | 49.5               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/24/2001 | 7.38       | 0.0                       | 7.4                |
| 12/25/2001 | 7.31       | 0.1                       | 7.2                |
| 12/26/2001 | 7.46       | 0.3                       | 7.1                |
| 12/27/2001 | 7.08       | 0.1                       | 7.0                |
| 12/28/2001 | 6.99       | 0.1                       | 6.9                |
| 12/29/2001 | 6.94       | 0.2                       | 6.7                |
| 12/30/2001 | 6.84       | 0.2                       | 6.6                |
| 12/31/2001 | 6.71       | 0.2                       | 6.5                |
| 1/1/2002   | 6.5        | 0.1                       | 6.4                |
| 1/2/2002   | 7.73       | 1.4                       | 6.4                |
| 1/3/2002   | 8.12       | 1.7                       | 6.4                |
| 1/4/2002   | 7.5        | 1.2                       | 6.3                |
| 1/5/2002   | 7.2        | 0.9                       | 6.3                |
| 1/6/2002   | 7.14       | 0.9                       | 6.2                |
| 1/7/2002   | 6.83       | 0.7                       | 6.2                |
| 1/8/2002   | 6.6        | 0.5                       | 6.1                |
| 1/9/2002   | 6.42       | 0.4                       | 6.0                |
| 1/10/2002  | 6.45       | 0.5                       | 5.9                |
| 1/11/2002  | 6.55       | 0.7                       | 5.9                |
| 1/12/2002  | 6.29       | 0.5                       | 5.8                |
| 1/13/2002  | 6.18       | 0.5                       | 5.7                |
| 1/14/2002  | 9.16       | 3.3                       | 5.9                |
| 1/15/2002  | 18.94      | 12.2                      | 6.7                |
| 1/16/2002  | 10.97      | 4.1                       | 6.9                |
| 1/17/2002  | 10.06      | 3.1                       | 7.0                |
| 1/18/2002  | 9.34       | 2.3                       | 7.1                |
| 1/19/2002  | 8.75       | 1.7                       | 7.0                |
| 1/20/2002  | 8.38       | 1.4                       | 7.0                |
| 1/21/2002  | 8.11       | 1.1                       | 7.0                |
| 1/22/2002  | 7.72       | 0.8                       | 6.9                |
| 1/23/2002  | 7.76       | 0.9                       | 6.8                |
| 1/24/2002  | 7.65       | 0.9                       | 6.8                |
| 1/25/2002  | 7.47       | 0.8                       | 6.7                |
| 1/26/2002  | 7.4        | 0.8                       | 6.6                |
| 1/27/2002  | 7.05       | 0.5                       | 6.5                |
| 1/28/2002  | 6.87       | 0.4                       | 6.4                |
| 1/29/2002  | 6.85       | 0.5                       | 6.3                |
| 1/30/2002  | 6.68       | 0.4                       | 6.3                |
| 1/31/2002  | 6.69       | 0.5                       | 6.2                |
| 2/1/2002   | 6.82       | 0.7                       | 6.1                |
| 2/2/2002   | 6.68       | 0.6                       | 6.0                |
| 2/3/2002   | 6.52       | 0.6                       | 6.0                |
| 2/4/2002   | 6.22       | 0.4                       | 5.9                |
| 2/5/2002   | 6.23       | 0.4                       | 5.8                |
| 2/6/2002   | 6.04       | 0.3                       | 5.7                |
| 2/7/2002   | 7.31       | 1.6                       | 5.7                |
| 2/8/2002   | 7.4        | 1.7                       | 5.7                |
| 2/9/2002   | 6.25       | 0.6                       | 5.7                |
| 2/10/2002  | 7.1        | 1.4                       | 5.7                |
| 2/11/2002  | 7.9        | 2.2                       | 5.7                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/24/2001 | 31         | 1.2                       | 29.8               |
| 12/25/2001 | 30         | 1.2                       | 28.8               |
| 12/26/2001 | 28         | 0.3                       | 27.7               |
| 12/27/2001 | 31         | 3.8                       | 27.2               |
| 12/28/2001 | 32         | 5.1                       | 26.9               |
| 12/29/2001 | 33         | 6.2                       | 26.8               |
| 12/30/2001 | 31         | 4.5                       | 26.5               |
| 12/31/2001 | 30         | 3.9                       | 26.1               |
| 1/1/2002   | 31         | 5.2                       | 25.8               |
| 1/2/2002   | 33         | 7.1                       | 25.9               |
| 1/3/2002   | 37         | 10.4                      | 26.6               |
| 1/4/2002   | 39         | 11.6                      | 27.4               |
| 1/5/2002   | 41         | 12.7                      | 28.3               |
| 1/6/2002   | 44         | 14.5                      | 29.5               |
| 1/7/2002   | 43         | 12.7                      | 30.3               |
| 1/8/2002   | 43         | 12.0                      | 31.0               |
| 1/9/2002   | 46         | 14.0                      | 32.0               |
| 1/10/2002  | 45         | 12.3                      | 32.7               |
| 1/11/2002  | 42         | 9.1                       | 32.9               |
| 1/12/2002  | 40         | 7.3                       | 32.7               |
| 1/13/2002  | 39         | 6.5                       | 32.5               |
| 1/14/2002  | 42         | 9.3                       | 32.7               |
| 1/15/2002  | 59         | 23.8                      | 35.2               |
| 1/16/2002  | 70         | 31.2                      | 38.8               |
| 1/17/2002  | 65         | 24.0                      | 41.0               |
| 1/18/2002  | 61         | 18.6                      | 42.4               |
| 1/19/2002  | 56         | 13.2                      | 42.8               |
| 1/20/2002  | 52         | 9.4                       | 42.6               |
| 1/21/2002  | 50         | 7.9                       | 42.1               |
| 1/22/2002  | 51         | 9.1                       | 41.9               |
| 1/23/2002  | 48         | 6.7                       | 41.3               |
| 1/24/2002  | 46         | 5.5                       | 40.5               |
| 1/25/2002  | 44         | 4.4                       | 39.6               |
| 1/26/2002  | 44         | 5.2                       | 38.8               |
| 1/27/2002  | 44         | 5.8                       | 38.2               |
| 1/28/2002  | 43         | 5.4                       | 37.6               |
| 1/29/2002  | 41         | 4.3                       | 36.7               |
| 1/30/2002  | 40         | 4.1                       | 35.9               |
| 1/31/2002  | 41         | 5.6                       | 35.4               |
| 2/1/2002   | 52         | 15.5                      | 36.5               |
| 2/2/2002   | 59         | 20.7                      | 38.3               |
| 2/3/2002   | 55         | 15.7                      | 39.3               |
| 2/4/2002   | 49         | 9.7                       | 39.3               |
| 2/5/2002   | 46         | 7.2                       | 38.8               |
| 2/6/2002   | 46         | 7.5                       | 38.5               |
| 2/7/2002   | 44         | 6.1                       | 37.9               |
| 2/8/2002   | 43         | 5.7                       | 37.3               |
| 2/9/2002   | 43         | 6.2                       | 36.8               |
| 2/10/2002  | 52         | 14.4                      | 37.6               |
| 2/11/2002  | 76         | 34.4                      | 41.6               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/24/2001 | 24         | 1.3                       | 22.7               |
| 12/25/2001 | 23         | 0.5                       | 22.5               |
| 12/26/2001 | 23         | 0.7                       | 22.3               |
| 12/27/2001 | 22         | 0.0                       | 22.0               |
| 12/28/2001 | 22         | 0.2                       | 21.8               |
| 12/29/2001 | 22         | 0.4                       | 21.6               |
| 12/30/2001 | 23         | 1.6                       | 21.4               |
| 12/31/2001 | 23         | 1.7                       | 21.3               |
| 1/1/2002   | 23         | 1.9                       | 21.1               |
| 1/2/2002   | 23         | 2.0                       | 21.0               |
| 1/3/2002   | 27         | 6.0                       | 21.0               |
| 1/4/2002   | 24         | 3.0                       | 21.0               |
| 1/5/2002   | 23         | 2.2                       | 20.8               |
| 1/6/2002   | 23         | 2.3                       | 20.7               |
| 1/7/2002   | 23         | 2.4                       | 20.6               |
| 1/8/2002   | 23         | 2.5                       | 20.5               |
| 1/9/2002   | 23         | 2.6                       | 20.4               |
| 1/10/2002  | 23         | 2.7                       | 20.3               |
| 1/11/2002  | 23         | 2.8                       | 20.2               |
| 1/12/2002  | 23         | 2.9                       | 20.1               |
| 1/13/2002  | 22         | 2.0                       | 20.0               |
| 1/14/2002  | 23         | 3.1                       | 19.9               |
| 1/15/2002  | 40         | 19.5                      | 20.5               |
| 1/16/2002  | 38         | 17.0                      | 21.0               |
| 1/17/2002  | 33         | 11.8                      | 21.2               |
| 1/18/2002  | 32         | 10.5                      | 21.5               |
| 1/19/2002  | 33         | 11.3                      | 21.7               |
| 1/20/2002  | 29         | 7.2                       | 21.8               |
| 1/21/2002  | 28         | 6.2                       | 21.8               |
| 1/22/2002  | 26         | 4.3                       | 21.7               |
| 1/23/2002  | 27         | 5.3                       | 21.7               |
| 1/24/2002  | 26         | 4.3                       | 21.7               |
| 1/25/2002  | 25         | 3.4                       | 21.6               |
| 1/26/2002  | 24         | 2.5                       | 21.5               |
| 1/27/2002  | 24         | 2.6                       | 21.4               |
| 1/28/2002  | 23         | 1.8                       | 21.2               |
| 1/29/2002  | 23         | 1.9                       | 21.1               |
| 1/30/2002  | 23         | 2.0                       | 21.0               |
| 1/31/2002  | 27         | 6.0                       | 21.0               |
| 2/1/2002   | 30         | 8.9                       | 21.1               |
| 2/2/2002   | 35         | 13.5                      | 21.5               |
| 2/3/2002   | 25         | 3.6                       | 21.4               |
| 2/4/2002   | 24         | 2.7                       | 21.3               |
| 2/5/2002   | 23         | 1.8                       | 21.2               |
| 2/6/2002   | 22         | 1.0                       | 21.0               |
| 2/7/2002   | 22         | 1.2                       | 20.8               |
| 2/8/2002   | 23         | 2.3                       | 20.7               |
| 2/9/2002   | 22         | 1.4                       | 20.6               |
| 2/10/2002  | 22         | 1.6                       | 20.4               |
| 2/11/2002  | 24         | 3.6                       | 20.4               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/24/2001 | 89         | 37.5                      | 51.5               |
| 12/25/2001 | 84         | 31.0                      | 53.0               |
| 12/26/2001 | 78         | 24.2                      | 53.8               |
| 12/27/2001 | 54         | 1.2                       | 52.8               |
| 12/28/2001 | 57         | 4.8                       | 52.2               |
| 12/29/2001 | 62         | 10.1                      | 51.9               |
| 12/30/2001 | 64         | 12.1                      | 51.9               |
| 12/31/2001 | 66         | 14.0                      | 52.0               |
| 1/1/2002   | 69         | 16.7                      | 52.3               |
| 1/2/2002   | 69         | 16.5                      | 52.5               |
| 1/3/2002   | 75         | 21.8                      | 53.2               |
| 1/4/2002   | 95         | 39.7                      | 55.3               |
| 1/5/2002   | 91         | 34.1                      | 56.9               |
| 1/6/2002   | 88         | 29.8                      | 58.2               |
| 1/7/2002   | 84         | 25.0                      | 59.0               |
| 1/8/2002   | 75         | 15.9                      | 59.1               |
| 1/9/2002   | 53         | 0.0                       | 53.0               |
| 1/10/2002  | 54         | 1.9                       | 52.1               |
| 1/11/2002  | 58         | 6.4                       | 51.6               |
| 1/12/2002  | 60         | 8.8                       | 51.2               |
| 1/13/2002  | 72         | 20.2                      | 51.8               |
| 1/14/2002  | 70         | 17.8                      | 52.2               |
| 1/15/2002  | 130        | 73.0                      | 57.0               |
| 1/16/2002  | 132        | 70.5                      | 61.5               |
| 1/17/2002  | 96         | 33.1                      | 62.9               |
| 1/18/2002  | 76         | 13.3                      | 62.7               |
| 1/19/2002  | 67         | 5.1                       | 61.9               |
| 1/20/2002  | 63         | 2.2                       | 60.8               |
| 1/21/2002  | 65         | 5.0                       | 60.0               |
| 1/22/2002  | 76         | 15.9                      | 60.1               |
| 1/23/2002  | 69         | 9.4                       | 59.6               |
| 1/24/2002  | 59         | 0.5                       | 58.5               |
| 1/25/2002  | 46         | 0.0                       | 46.0               |
| 1/26/2002  | 44         | 0.0                       | 44.0               |
| 1/27/2002  | 44         | 0.8                       | 43.2               |
| 1/28/2002  | 46         | 3.4                       | 42.6               |
| 1/29/2002  | 52         | 9.5                       | 42.5               |
| 1/30/2002  | 47         | 5.0                       | 42.0               |
| 1/31/2002  | 49         | 7.2                       | 41.8               |
| 2/1/2002   | 61         | 18.6                      | 42.4               |
| 2/2/2002   | 70         | 26.3                      | 43.7               |
| 2/3/2002   | 57         | 13.1                      | 43.9               |
| 2/4/2002   | 51         | 7.4                       | 43.6               |
| 2/5/2002   | 46         | 3.0                       | 43.0               |
| 2/6/2002   | 45         | 2.7                       | 42.3               |
| 2/7/2002   | 43         | 1.4                       | 41.6               |
| 2/8/2002   | 44         | 3.0                       | 41.0               |
| 2/9/2002   | 44         | 3.5                       | 40.5               |
| 2/10/2002  | 44         | 4.0                       | 40.0               |
| 2/11/2002  | 52         | 11.9                      | 40.1               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/12/2002 | 6.63       | 0.9                       | 5.7                |
| 2/13/2002 | 6.62       | 1.0                       | 5.6                |
| 2/14/2002 | 6.82       | 1.2                       | 5.6                |
| 2/15/2002 | 6.47       | 0.9                       | 5.6                |
| 2/16/2002 | 6.81       | 1.2                       | 5.6                |
| 2/17/2002 | 6.64       | 1.1                       | 5.6                |
| 2/18/2002 | 6.41       | 0.9                       | 5.5                |
| 2/19/2002 | 6.44       | 1.0                       | 5.5                |
| 2/20/2002 | 6.44       | 1.0                       | 5.4                |
| 2/21/2002 | 6.27       | 0.9                       | 5.4                |
| 2/22/2002 | 7.9        | 2.4                       | 5.5                |
| 2/23/2002 | 15.75      | 9.6                       | 6.2                |
| 2/24/2002 | 15.35      | 8.6                       | 6.7                |
| 2/25/2002 | 10.89      | 4.0                       | 6.9                |
| 2/26/2002 | 9.64       | 2.7                       | 7.0                |
| 2/27/2002 | 8.78       | 1.8                       | 7.0                |
| 2/28/2002 | 8.29       | 1.3                       | 7.0                |
| 3/1/2002  | 7.68       | 0.8                       | 6.9                |
| 3/2/2002  | 7.64       | 0.8                       | 6.8                |
| 3/3/2002  | 7.47       | 0.7                       | 6.7                |
| 3/4/2002  | 7.1        | 0.5                       | 6.6                |
| 3/5/2002  | 7.39       | 0.8                       | 6.6                |
| 3/6/2002  | 7.34       | 0.8                       | 6.5                |
| 3/7/2002  | 7.37       | 0.9                       | 6.4                |
| 3/8/2002  | 7.09       | 0.7                       | 6.4                |
| 3/9/2002  | 6.66       | 0.4                       | 6.3                |
| 3/10/2002 | 6.44       | 0.3                       | 6.2                |
| 3/11/2002 | 6.61       | 0.5                       | 6.1                |
| 3/12/2002 | 6.95       | 0.9                       | 6.0                |
| 3/13/2002 | 6.56       | 0.6                       | 6.0                |
| 3/14/2002 | 6.67       | 0.8                       | 5.9                |
| 3/15/2002 | 6.64       | 0.8                       | 5.9                |
| 3/16/2002 | 5.89       | 0.1                       | 5.7                |
| 3/17/2002 | 5.84       | 0.0                       | 5.6                |
| 3/18/2002 | 6.08       | 0.5                       | 5.6                |
| 3/19/2002 | 5.96       | 0.5                       | 5.5                |
| 3/20/2002 | 5.83       | 0.4                       | 5.4                |
| 3/21/2002 | 5.78       | 0.4                       | 5.3                |
| 3/22/2002 | 5.69       | 0.4                       | 5.3                |
| 3/23/2002 | 5.13       | 0.0                       | 5.1                |
| 3/24/2002 | 5.13       | 0.1                       | 5.0                |
| 3/25/2002 | 5.82       | 0.8                       | 5.0                |
| 3/26/2002 | 6.69       | 1.7                       | 5.0                |
| 3/27/2002 | 8.96       | 3.7                       | 5.2                |
| 3/28/2002 | 6.46       | 1.2                       | 5.2                |
| 3/29/2002 | 5.4        | 0.3                       | 5.1                |
| 3/30/2002 | 4.6        | 0.0                       | 4.6                |
| 3/31/2002 | 4.69       | 0.2                       | 4.5                |
| 4/1/2002  | 4.74       | 0.3                       | 4.5                |
| 4/2/2002  | 4.62       | 0.2                       | 4.4                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/12/2002 | 82         | 36.2                      | 45.8               |
| 2/13/2002 | 71         | 23.3                      | 47.7               |
| 2/14/2002 | 63         | 14.9                      | 48.1               |
| 2/15/2002 | 62         | 13.6                      | 48.4               |
| 2/16/2002 | 59         | 10.8                      | 48.2               |
| 2/17/2002 | 53         | 5.8                       | 47.2               |
| 2/18/2002 | 49         | 3.2                       | 45.8               |
| 2/19/2002 | 48         | 3.5                       | 44.5               |
| 2/20/2002 | 47         | 3.7                       | 43.3               |
| 2/21/2002 | 45         | 2.9                       | 42.1               |
| 2/22/2002 | 45         | 4.0                       | 41.0               |
| 2/23/2002 | 60         | 17.8                      | 42.2               |
| 2/24/2002 | 80         | 34.0                      | 46.0               |
| 2/25/2002 | 87         | 36.9                      | 50.1               |
| 2/26/2002 | 80         | 27.5                      | 52.5               |
| 2/27/2002 | 58         | 6.6                       | 51.4               |
| 2/28/2002 | 44         | 0.0                       | 44.0               |
| 3/1/2002  | 45         | 2.4                       | 42.6               |
| 3/2/2002  | 50         | 7.8                       | 42.2               |
| 3/3/2002  | 50         | 8.2                       | 41.8               |
| 3/4/2002  | 44         | 3.3                       | 40.7               |
| 3/5/2002  | 41         | 1.7                       | 39.3               |
| 3/6/2002  | 42         | 3.7                       | 38.3               |
| 3/7/2002  | 43         | 5.4                       | 37.6               |
| 3/8/2002  | 40         | 3.3                       | 36.7               |
| 3/9/2002  | 37         | 1.5                       | 35.5               |
| 3/10/2002 | 34         | 0.0                       | 34.0               |
| 3/11/2002 | 33         | 0.3                       | 32.7               |
| 3/12/2002 | 37         | 4.8                       | 32.2               |
| 3/13/2002 | 39         | 7.0                       | 32.0               |
| 3/14/2002 | 37         | 5.4                       | 31.6               |
| 3/15/2002 | 35         | 4.0                       | 31.0               |
| 3/16/2002 | 35         | 4.5                       | 30.5               |
| 3/17/2002 | 36         | 5.8                       | 30.2               |
| 3/18/2002 | 35         | 5.2                       | 29.8               |
| 3/19/2002 | 34         | 4.7                       | 29.3               |
| 3/20/2002 | 32         | 3.3                       | 28.7               |
| 3/21/2002 | 31         | 3.0                       | 28.0               |
| 3/22/2002 | 28         | 0.9                       | 27.1               |
| 3/23/2002 | 28         | 1.7                       | 26.3               |
| 3/24/2002 | 28         | 2.4                       | 25.6               |
| 3/25/2002 | 28         | 3.0                       | 25.0               |
| 3/26/2002 | 29         | 4.3                       | 24.7               |
| 3/27/2002 | 27         | 2.8                       | 24.2               |
| 3/28/2002 | 25         | 1.5                       | 23.5               |
| 3/29/2002 | 26         | 3.0                       | 23.0               |
| 3/30/2002 | 28         | 5.1                       | 22.9               |
| 3/31/2002 | 28         | 5.2                       | 22.8               |
| 4/1/2002  | 27         | 4.4                       | 22.6               |
| 4/2/2002  | 26         | 3.7                       | 22.3               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/12/2002 | 23         | 2.7                       | 20.3               |
| 2/13/2002 | 22         | 1.9                       | 20.1               |
| 2/14/2002 | 26         | 5.8                       | 20.2               |
| 2/15/2002 | 22         | 2.0                       | 20.0               |
| 2/16/2002 | 21         | 1.1                       | 19.9               |
| 2/17/2002 | 18         | 0.0                       | 18.0               |
| 2/18/2002 | 15         | 0.0                       | 15.0               |
| 2/19/2002 | 14         | 0.0                       | 14.0               |
| 2/20/2002 | 14         | 0.1                       | 13.9               |
| 2/21/2002 | 13         | 0.0                       | 13.0               |
| 2/22/2002 | 14         | 1.1                       | 12.9               |
| 2/23/2002 | 28         | 14.6                      | 13.4               |
| 2/24/2002 | 35         | 20.9                      | 14.1               |
| 2/25/2002 | 31         | 16.4                      | 14.6               |
| 2/26/2002 | 29         | 14.0                      | 15.0               |
| 2/27/2002 | 26         | 10.7                      | 15.3               |
| 2/28/2002 | 28         | 12.4                      | 15.6               |
| 3/1/2002  | 24         | 8.2                       | 15.8               |
| 3/2/2002  | 19         | 3.2                       | 15.8               |
| 3/3/2002  | 19         | 3.3                       | 15.7               |
| 3/4/2002  | 18         | 2.3                       | 15.7               |
| 3/5/2002  | 18         | 2.4                       | 15.6               |
| 3/6/2002  | 17         | 1.5                       | 15.5               |
| 3/7/2002  | 16         | 0.6                       | 15.4               |
| 3/8/2002  | 18         | 2.7                       | 15.3               |
| 3/9/2002  | 16         | 0.8                       | 15.2               |
| 3/10/2002 | 15         | 0.0                       | 15.0               |
| 3/11/2002 | 14         | 0.0                       | 14.0               |
| 3/12/2002 | 14         | 0.1                       | 13.9               |
| 3/13/2002 | 14         | 0.3                       | 13.7               |
| 3/14/2002 | 13         | 0.0                       | 13.0               |
| 3/15/2002 | 14         | 1.1                       | 12.9               |
| 3/16/2002 | 15         | 2.1                       | 12.9               |
| 3/17/2002 | 14         | 1.2                       | 12.8               |
| 3/18/2002 | 14         | 1.3                       | 12.7               |
| 3/19/2002 | 13         | 0.4                       | 12.6               |
| 3/20/2002 | 12         | 0.0                       | 12.0               |
| 3/21/2002 | 12         | 0.1                       | 11.9               |
| 3/22/2002 | 12         | 0.2                       | 11.8               |
| 3/23/2002 | 11         | 0.0                       | 11.0               |
| 3/24/2002 | 10         | 0.0                       | 10.0               |
| 3/25/2002 | 10         | 0.1                       | 9.9                |
| 3/26/2002 | 11         | 1.1                       | 9.9                |
| 3/27/2002 | 14         | 4.1                       | 9.9                |
| 3/28/2002 | 14         | 4.0                       | 10.0               |
| 3/29/2002 | 12         | 2.0                       | 10.0               |
| 3/30/2002 | 12         | 2.1                       | 9.9                |
| 3/31/2002 | 11         | 1.1                       | 9.9                |
| 4/1/2002  | 14         | 4.0                       | 10.0               |
| 4/2/2002  | 12         | 2.1                       | 9.9                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/12/2002 | 60         | 19.2                      | 40.8               |
| 2/13/2002 | 47         | 6.5                       | 40.5               |
| 2/14/2002 | 47         | 6.7                       | 40.3               |
| 2/15/2002 | 53         | 12.5                      | 40.5               |
| 2/16/2002 | 42         | 2.2                       | 39.8               |
| 2/17/2002 | 38         | 0.0                       | 38.0               |
| 2/18/2002 | 38         | 0.7                       | 37.3               |
| 2/19/2002 | 36         | 0.0                       | 36.0               |
| 2/20/2002 | 40         | 4.4                       | 35.6               |
| 2/21/2002 | 37         | 1.9                       | 35.1               |
| 2/22/2002 | 40         | 5.2                       | 34.8               |
| 2/23/2002 | 54         | 18.4                      | 35.6               |
| 2/24/2002 | 86         | 47.4                      | 38.6               |
| 2/25/2002 | 59         | 19.6                      | 39.4               |
| 2/26/2002 | 50         | 10.5                      | 39.5               |
| 2/27/2002 | 44         | 4.9                       | 39.1               |
| 2/28/2002 | 73         | 32.1                      | 40.9               |
| 3/1/2002  | 104        | 59.2                      | 44.8               |
| 3/2/2002  | 87         | 39.9                      | 47.1               |
| 3/3/2002  | 56         | 9.1                       | 46.9               |
| 3/4/2002  | 50         | 3.8                       | 46.2               |
| 3/5/2002  | 43         | 0.0                       | 43.0               |
| 3/6/2002  | 41         | 0.0                       | 41.0               |
| 3/7/2002  | 41         | 0.8                       | 40.2               |
| 3/8/2002  | 41         | 1.4                       | 39.6               |
| 3/9/2002  | 41         | 2.1                       | 38.9               |
| 3/10/2002 | 44         | 5.4                       | 38.6               |
| 3/11/2002 | 46         | 7.6                       | 38.4               |
| 3/12/2002 | 46         | 7.7                       | 38.3               |
| 3/13/2002 | 45         | 6.9                       | 38.1               |
| 3/14/2002 | 38         | 0.7                       | 37.3               |
| 3/15/2002 | 38         | 1.3                       | 36.7               |
| 3/16/2002 | 39         | 2.8                       | 36.2               |
| 3/17/2002 | 42         | 6.0                       | 36.0               |
| 3/18/2002 | 44         | 8.1                       | 35.9               |
| 3/19/2002 | 41         | 5.4                       | 35.6               |
| 3/20/2002 | 39         | 3.8                       | 35.2               |
| 3/21/2002 | 45         | 9.7                       | 35.3               |
| 3/22/2002 | 48         | 12.4                      | 35.6               |
| 3/23/2002 | 45         | 9.4                       | 35.6               |
| 3/24/2002 | 44         | 8.4                       | 35.6               |
| 3/25/2002 | 43         | 7.5                       | 35.5               |
| 3/26/2002 | 39         | 3.9                       | 35.1               |
| 3/27/2002 | 35         | 0.6                       | 34.4               |
| 3/28/2002 | 34         | 0.3                       | 33.7               |
| 3/29/2002 | 34         | 0.9                       | 33.1               |
| 3/30/2002 | 34         | 1.4                       | 32.6               |
| 3/31/2002 | 36         | 3.8                       | 32.2               |
| 4/1/2002  | 37         | 5.0                       | 32.0               |
| 4/2/2002  | 39         | 7.1                       | 31.9               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/3/2002  | 4.6        | 0.3                       | 4.3                |
| 4/4/2002  | 4.85       | 0.6                       | 4.3                |
| 4/5/2002  | 4.81       | 0.6                       | 4.2                |
| 4/6/2002  | 4.56       | 0.4                       | 4.2                |
| 4/7/2002  | 4.65       | 0.5                       | 4.1                |
| 4/8/2002  | 4.69       | 0.6                       | 4.1                |
| 4/9/2002  | 4.84       | 0.8                       | 4.1                |
| 4/10/2002 | 4.53       | 0.5                       | 4.0                |
| 4/11/2002 | 4.42       | 0.4                       | 4.0                |
| 4/12/2002 | 13.42      | 8.8                       | 4.6                |
| 4/13/2002 | 7.47       | 2.7                       | 4.7                |
| 4/14/2002 | 5.59       | 0.9                       | 4.7                |
| 4/15/2002 | 5.17       | 0.5                       | 4.7                |
| 4/16/2002 | 5.08       | 0.5                       | 4.6                |
| 4/17/2002 | 4.76       | 0.2                       | 4.5                |
| 4/18/2002 | 4.95       | 0.5                       | 4.5                |
| 4/19/2002 | 5.16       | 0.7                       | 4.4                |
| 4/20/2002 | 4.57       | 0.2                       | 4.4                |
| 4/21/2002 | 4.12       | 0.0                       | 4.1                |
| 4/22/2002 | 4.09       | 0.0                       | 4.0                |
| 4/23/2002 | 4.12       | 0.1                       | 4.0                |
| 4/24/2002 | 3.97       | 0.1                       | 3.9                |
| 4/25/2002 | 4.17       | 0.3                       | 3.8                |
| 4/26/2002 | 3.98       | 0.2                       | 3.8                |
| 4/27/2002 | 3.67       | 0.0                       | 3.7                |
| 4/28/2002 | 3.6        | 0.0                       | 3.6                |
| 4/29/2002 | 3.7        | 0.2                       | 3.5                |
| 4/30/2002 | 3.92       | 0.4                       | 3.5                |
| 5/1/2002  | 4.27       | 0.8                       | 3.5                |
| 5/2/2002  | 4.11       | 0.6                       | 3.5                |
| 5/3/2002  | 3.5        | 0.1                       | 3.4                |
| 5/4/2002  | 3.27       | 0.0                       | 3.3                |
| 5/5/2002  | 3.27       | 0.1                       | 3.2                |
| 5/6/2002  | 3.43       | 0.3                       | 3.2                |
| 5/7/2002  | 3.33       | 0.2                       | 3.1                |
| 5/8/2002  | 3.72       | 0.6                       | 3.1                |
| 5/9/2002  | 3.89       | 0.8                       | 3.1                |
| 5/10/2002 | 3.62       | 0.5                       | 3.1                |
| 5/11/2002 | 3.13       | 0.1                       | 3.0                |
| 5/12/2002 | 3          | 0.0                       | 3.0                |
| 5/13/2002 | 3.08       | 0.2                       | 2.9                |
| 5/14/2002 | 3.25       | 0.4                       | 2.9                |
| 5/15/2002 | 3.1        | 0.2                       | 2.9                |
| 5/16/2002 | 3.03       | 0.2                       | 2.8                |
| 5/17/2002 | 2.79       | 0.0                       | 2.8                |
| 5/18/2002 | 2.79       | 0.1                       | 2.7                |
| 5/19/2002 | 6.29       | 3.4                       | 2.9                |
| 5/20/2002 | 3.91       | 1.0                       | 2.9                |
| 5/21/2002 | 3.29       | 0.4                       | 2.9                |
| 5/22/2002 | 3.15       | 0.3                       | 2.9                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/3/2002  | 29         | 6.6                       | 22.4               |
| 4/4/2002  | 36         | 12.5                      | 23.5               |
| 4/5/2002  | 37         | 12.4                      | 24.6               |
| 4/6/2002  | 35         | 9.8                       | 25.2               |
| 4/7/2002  | 34         | 8.5                       | 25.5               |
| 4/8/2002  | 33         | 7.3                       | 25.7               |
| 4/9/2002  | 30         | 4.6                       | 25.4               |
| 4/10/2002 | 26         | 1.4                       | 24.6               |
| 4/11/2002 | 23         | 0.0                       | 23.0               |
| 4/12/2002 | 25         | 2.5                       | 22.5               |
| 4/13/2002 | 30         | 7.3                       | 22.7               |
| 4/14/2002 | 32         | 8.8                       | 23.2               |
| 4/15/2002 | 37         | 12.7                      | 24.3               |
| 4/16/2002 | 38         | 12.6                      | 25.4               |
| 4/17/2002 | 35         | 9.2                       | 25.8               |
| 4/18/2002 | 34         | 7.9                       | 26.1               |
| 4/19/2002 | 30         | 4.3                       | 25.7               |
| 4/20/2002 | 26         | 1.1                       | 24.9               |
| 4/21/2002 | 25         | 1.0                       | 24.0               |
| 4/22/2002 | 23         | 0.0                       | 23.0               |
| 4/23/2002 | 21         | 0.0                       | 21.0               |
| 4/24/2002 | 20         | 0.0                       | 20.0               |
| 4/25/2002 | 21         | 1.6                       | 19.4               |
| 4/26/2002 | 22         | 2.9                       | 19.1               |
| 4/27/2002 | 25         | 5.7                       | 19.3               |
| 4/28/2002 | 26         | 6.5                       | 19.5               |
| 4/29/2002 | 24         | 4.5                       | 19.5               |
| 4/30/2002 | 21         | 2.0                       | 19.0               |
| 5/1/2002  | 19         | 0.6                       | 18.4               |
| 5/2/2002  | 18         | 0.3                       | 17.7               |
| 5/3/2002  | 19         | 1.7                       | 17.3               |
| 5/4/2002  | 22         | 4.7                       | 17.3               |
| 5/5/2002  | 20         | 2.9                       | 17.1               |
| 5/6/2002  | 18         | 1.4                       | 16.6               |
| 5/7/2002  | 19         | 2.6                       | 16.4               |
| 5/8/2002  | 17         | 1.1                       | 15.9               |
| 5/9/2002  | 19         | 3.2                       | 15.8               |
| 5/10/2002 | 20         | 4.2                       | 15.8               |
| 5/11/2002 | 20         | 4.2                       | 15.8               |
| 5/12/2002 | 21         | 5.0                       | 16.0               |
| 5/13/2002 | 22         | 5.7                       | 16.3               |
| 5/14/2002 | 20         | 3.8                       | 16.2               |
| 5/15/2002 | 19         | 2.9                       | 16.1               |
| 5/16/2002 | 18         | 2.2                       | 15.8               |
| 5/17/2002 | 18         | 2.5                       | 15.5               |
| 5/18/2002 | 24         | 7.8                       | 16.2               |
| 5/19/2002 | 44         | 24.6                      | 19.4               |
| 5/20/2002 | 53         | 29.6                      | 23.4               |
| 5/21/2002 | 47         | 21.1                      | 25.9               |
| 5/22/2002 | 41         | 13.9                      | 27.1               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/3/2002  | 12         | 2.1                       | 9.9                |
| 4/4/2002  | 11         | 1.1                       | 9.9                |
| 4/5/2002  | 11         | 1.2                       | 9.8                |
| 4/6/2002  | 9.8        | 0.1                       | 9.7                |
| 4/7/2002  | 9.5        | 0.0                       | 9.5                |
| 4/8/2002  | 9.2        | 0.0                       | 9.2                |
| 4/9/2002  | 9.4        | 0.3                       | 9.1                |
| 4/10/2002 | 9.7        | 0.6                       | 9.1                |
| 4/11/2002 | 9.3        | 0.3                       | 9.0                |
| 4/12/2002 | 18         | 8.8                       | 9.2                |
| 4/13/2002 | 14         | 4.7                       | 9.3                |
| 4/14/2002 | 10         | 0.7                       | 9.3                |
| 4/15/2002 | 11         | 1.8                       | 9.2                |
| 4/16/2002 | 11         | 1.8                       | 9.2                |
| 4/17/2002 | 12         | 2.8                       | 9.2                |
| 4/18/2002 | 11         | 1.8                       | 9.2                |
| 4/19/2002 | 11         | 1.8                       | 9.2                |
| 4/20/2002 | 9.5        | 0.4                       | 9.1                |
| 4/21/2002 | 9.1        | 0.1                       | 9.0                |
| 4/22/2002 | 8.9        | 0.0                       | 8.9                |
| 4/23/2002 | 8.8        | 0.0                       | 8.8                |
| 4/24/2002 | 8.6        | 0.0                       | 8.6                |
| 4/25/2002 | 8.5        | 0.0                       | 8.5                |
| 4/26/2002 | 8.6        | 0.2                       | 8.4                |
| 4/27/2002 | 8.4        | 0.1                       | 8.3                |
| 4/28/2002 | 8          | 0.0                       | 8.0                |
| 4/29/2002 | 7.7        | 0.0                       | 7.7                |
| 4/30/2002 | 7.6        | 0.0                       | 7.6                |
| 5/1/2002  | 7.5        | 0.0                       | 7.5                |
| 5/2/2002  | 7.2        | 0.0                       | 7.2                |
| 5/3/2002  | 6.9        | 0.0                       | 6.9                |
| 5/4/2002  | 6.8        | 0.0                       | 6.8                |
| 5/5/2002  | 6.9        | 0.2                       | 6.7                |
| 5/6/2002  | 6.8        | 0.1                       | 6.7                |
| 5/7/2002  | 7          | 0.4                       | 6.6                |
| 5/8/2002  | 7          | 0.4                       | 6.6                |
| 5/9/2002  | 6.9        | 0.4                       | 6.5                |
| 5/10/2002 | 6.7        | 0.2                       | 6.5                |
| 5/11/2002 | 6.6        | 0.2                       | 6.4                |
| 5/12/2002 | 6.4        | 0.1                       | 6.3                |
| 5/13/2002 | 6.4        | 0.1                       | 6.3                |
| 5/14/2002 | 6.4        | 0.2                       | 6.2                |
| 5/15/2002 | 6.3        | 0.1                       | 6.2                |
| 5/16/2002 | 6.4        | 0.3                       | 6.1                |
| 5/17/2002 | 6.4        | 0.3                       | 6.1                |
| 5/18/2002 | 6.3        | 0.3                       | 6.0                |
| 5/19/2002 | 14         | 7.7                       | 6.3                |
| 5/20/2002 | 15         | 8.4                       | 6.6                |
| 5/21/2002 | 12         | 5.3                       | 6.7                |
| 5/22/2002 | 11         | 4.2                       | 6.8                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/3/2002  | 38         | 6.2                       | 31.8               |
| 4/4/2002  | 33         | 1.7                       | 31.3               |
| 4/5/2002  | 35         | 4.0                       | 31.0               |
| 4/6/2002  | 31         | 0.6                       | 30.4               |
| 4/7/2002  | 30         | 0.2                       | 29.8               |
| 4/8/2002  | 58         | 26.7                      | 31.3               |
| 4/9/2002  | 40         | 8.6                       | 31.4               |
| 4/10/2002 | 35         | 3.9                       | 31.1               |
| 4/11/2002 | 35         | 4.2                       | 30.8               |
| 4/12/2002 | 44         | 12.8                      | 31.2               |
| 4/13/2002 | 51         | 18.9                      | 32.1               |
| 4/14/2002 | 44         | 11.6                      | 32.4               |
| 4/15/2002 | 44         | 11.4                      | 32.6               |
| 4/16/2002 | 44         | 11.1                      | 32.9               |
| 4/17/2002 | 44         | 10.9                      | 33.1               |
| 4/18/2002 | 44         | 10.7                      | 33.3               |
| 4/19/2002 | 38         | 5.0                       | 33.0               |
| 4/20/2002 | 36         | 3.4                       | 32.6               |
| 4/21/2002 | 40         | 7.4                       | 32.6               |
| 4/22/2002 | 41         | 8.4                       | 32.6               |
| 4/23/2002 | 39         | 6.5                       | 32.5               |
| 4/24/2002 | 36         | 3.9                       | 32.1               |
| 4/25/2002 | 40         | 7.9                       | 32.1               |
| 4/26/2002 | 37         | 5.1                       | 31.9               |
| 4/27/2002 | 32         | 0.7                       | 31.3               |
| 4/28/2002 | 35         | 4.0                       | 31.0               |
| 4/29/2002 | 37         | 6.1                       | 30.9               |
| 4/30/2002 | 36         | 5.3                       | 30.7               |
| 5/1/2002  | 31         | 0.9                       | 30.1               |
| 5/2/2002  | 31         | 1.4                       | 29.6               |
| 5/3/2002  | 28         | 0.0                       | 28.0               |
| 5/4/2002  | 26         | 0.0                       | 26.0               |
| 5/5/2002  | 27         | 1.4                       | 25.6               |
| 5/6/2002  | 31         | 5.5                       | 25.5               |
| 5/7/2002  | 28         | 2.8                       | 25.2               |
| 5/8/2002  | 41         | 15.1                      | 25.9               |
| 5/9/2002  | 42         | 15.4                      | 26.6               |
| 5/10/2002 | 41         | 13.8                      | 27.2               |
| 5/11/2002 | 36         | 8.6                       | 27.4               |
| 5/12/2002 | 37         | 9.4                       | 27.6               |
| 5/13/2002 | 31         | 3.7                       | 27.3               |
| 5/14/2002 | 29         | 2.1                       | 26.9               |
| 5/15/2002 | 26         | 0.0                       | 26.0               |
| 5/16/2002 | 26         | 0.5                       | 25.5               |
| 5/17/2002 | 29         | 3.7                       | 25.3               |
| 5/18/2002 | 60         | 32.6                      | 27.4               |
| 5/19/2002 | 128        | 93.7                      | 34.3               |
| 5/20/2002 | 232        | 183.6                     | 48.4               |
| 5/21/2002 | 121        | 68.2                      | 52.8               |
| 5/22/2002 | 73         | 19.6                      | 53.4               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/23/2002 | 3.04       | 0.2                       | 2.8                |
| 5/24/2002 | 3.13       | 0.3                       | 2.8                |
| 5/25/2002 | 3.09       | 0.3                       | 2.8                |
| 5/26/2002 | 2.84       | 0.1                       | 2.7                |
| 5/27/2002 | 2.77       | 0.1                       | 2.7                |
| 5/28/2002 | 2.85       | 0.2                       | 2.6                |
| 5/29/2002 | 2.9        | 0.3                       | 2.6                |
| 5/30/2002 | 2.76       | 0.2                       | 2.6                |
| 5/31/2002 | 12.17      | 8.9                       | 3.2                |
| 6/1/2002  | 4.84       | 1.5                       | 3.3                |
| 6/2/2002  | 3.58       | 0.3                       | 3.3                |
| 6/3/2002  | 3.28       | 0.1                       | 3.2                |
| 6/4/2002  | 3.14       | 0.0                       | 3.1                |
| 6/5/2002  | 3.03       | 0.0                       | 3.0                |
| 6/6/2002  | 2.93       | 0.0                       | 2.9                |
| 6/7/2002  | 6.38       | 3.2                       | 3.1                |
| 6/8/2002  | 22.85      | 18.3                      | 4.5                |
| 6/9/2002  | 10.05      | 5.2                       | 4.9                |
| 6/10/2002 | 7.43       | 2.5                       | 5.0                |
| 6/11/2002 | 6.19       | 1.2                       | 5.0                |
| 6/12/2002 | 5.95       | 1.0                       | 4.9                |
| 6/13/2002 | 5.51       | 0.6                       | 4.9                |
| 6/14/2002 | 4.99       | 0.2                       | 4.8                |
| 6/15/2002 | 4.7        | 0.0                       | 4.7                |
| 6/16/2002 | 4.99       | 0.4                       | 4.6                |
| 6/17/2002 | 15.44      | 10.1                      | 5.3                |
| 6/18/2002 | 14.15      | 8.2                       | 5.9                |
| 6/19/2002 | 21.23      | 14.3                      | 6.9                |
| 6/20/2002 | 32.04      | 23.4                      | 8.7                |
| 6/21/2002 | 28.68      | 18.7                      | 10.0               |
| 6/22/2002 | 32.82      | 21.3                      | 11.5               |
| 6/23/2002 | 25.4       | 13.1                      | 12.3               |
| 6/24/2002 | 19.53      | 6.9                       | 12.6               |
| 6/25/2002 | 20.48      | 7.5                       | 13.0               |
| 6/26/2002 | 32.03      | 17.9                      | 14.1               |
| 6/27/2002 | 27.64      | 12.8                      | 14.9               |
| 6/28/2002 | 21.16      | 6.1                       | 15.1               |
| 6/29/2002 | 18.14      | 3.1                       | 15.0               |
| 6/30/2002 | 20.63      | 5.5                       | 15.2               |
| 7/1/2002  | 23.27      | 7.8                       | 15.5               |
| 7/2/2002  | 18.31      | 2.9                       | 15.4               |
| 7/3/2002  | 15.38      | 0.3                       | 15.1               |
| 7/4/2002  | 19.72      | 4.5                       | 15.2               |
| 7/5/2002  | 28.14      | 12.3                      | 15.9               |
| 7/6/2002  | 19.72      | 3.9                       | 15.8               |
| 7/7/2002  | 16.54      | 0.9                       | 15.6               |
| 7/8/2002  | 16.25      | 0.9                       | 15.4               |
| 7/9/2002  | 17.15      | 1.9                       | 15.2               |
| 7/10/2002 | 20.76      | 5.4                       | 15.3               |
| 7/11/2002 | 17.5       | 2.3                       | 15.2               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/23/2002 | 36         | 8.6                       | 27.4               |
| 5/24/2002 | 30         | 3.2                       | 26.8               |
| 5/25/2002 | 26         | 0.3                       | 25.7               |
| 5/26/2002 | 24         | 0.0                       | 24.0               |
| 5/27/2002 | 23         | 0.0                       | 23.0               |
| 5/28/2002 | 21         | 0.0                       | 21.0               |
| 5/29/2002 | 19         | 0.0                       | 19.0               |
| 5/30/2002 | 19         | 0.7                       | 18.3               |
| 5/31/2002 | 26         | 7.2                       | 18.8               |
| 6/1/2002  | 32         | 12.1                      | 19.9               |
| 6/2/2002  | 30         | 9.4                       | 20.6               |
| 6/3/2002  | 27         | 6.2                       | 20.8               |
| 6/4/2002  | 24         | 3.5                       | 20.5               |
| 6/5/2002  | 20         | 0.2                       | 19.8               |
| 6/6/2002  | 19         | 0.0                       | 19.0               |
| 6/7/2002  | 35         | 14.5                      | 20.5               |
| 6/8/2002  | 40         | 17.5                      | 22.5               |
| 6/9/2002  | 25         | 2.9                       | 22.1               |
| 6/10/2002 | 23         | 1.6                       | 21.4               |
| 6/11/2002 | 25         | 3.8                       | 21.2               |
| 6/12/2002 | 26         | 4.9                       | 21.1               |
| 6/13/2002 | 37         | 14.4                      | 22.6               |
| 6/14/2002 | 50         | 24.4                      | 25.6               |
| 6/15/2002 | 70         | 39.2                      | 30.8               |
| 6/16/2002 | 50         | 17.6                      | 32.4               |
| 6/17/2002 | 360        | 283.5                     | 76.5               |
| 6/18/2002 | 770        | 600.5                     | 169.5              |
| 6/19/2002 | 850        | 592.5                     | 257.5              |
| 6/20/2002 | 1180       | 804.1                     | 375.9              |
| 6/21/2002 | 1440       | 930.3                     | 509.7              |
| 6/22/2002 | 1150       | 569.6                     | 580.4              |
| 6/23/2002 | 800        | 209.3                     | 590.7              |
| 6/24/2002 | 650        | 71.5                      | 578.5              |
| 6/25/2002 | 750        | 167.8                     | 582.2              |
| 6/26/2002 | 800        | 207.8                     | 592.2              |
| 6/27/2002 | 700        | 113.4                     | 586.6              |
| 6/28/2002 | 590        | 23.1                      | 566.9              |
| 6/29/2002 | 520        | 0.0                       | 520.0              |
| 6/30/2002 | 500        | 0.7                       | 499.3              |
| 7/1/2002  | 1000       | 448.8                     | 551.2              |
| 7/2/2002  | 910        | 328.4                     | 581.6              |
| 7/3/2002  | 690        | 113.5                     | 576.5              |
| 7/4/2002  | 620        | 57.4                      | 562.6              |
| 7/5/2002  | 630        | 77.5                      | 552.5              |
| 7/6/2002  | 500        | 0.0                       | 500.0              |
| 7/7/2002  | 420        | 0.0                       | 420.0              |
| 7/8/2002  | 390        | 0.0                       | 390.0              |
| 7/9/2002  | 510        | 116.9                     | 393.1              |
| 7/10/2002 | 620        | 209.2                     | 410.8              |
| 7/11/2002 | 615        | 190.2                     | 424.8              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/23/2002 | 12         | 5.1                       | 6.9                |
| 5/24/2002 | 14         | 6.9                       | 7.1                |
| 5/25/2002 | 9.6        | 2.4                       | 7.2                |
| 5/26/2002 | 9.1        | 1.9                       | 7.2                |
| 5/27/2002 | 8.2        | 1.1                       | 7.1                |
| 5/28/2002 | 7.8        | 0.7                       | 7.1                |
| 5/29/2002 | 7.5        | 0.5                       | 7.0                |
| 5/30/2002 | 7.3        | 0.3                       | 7.0                |
| 5/31/2002 | 12         | 4.9                       | 7.1                |
| 6/1/2002  | 9.4        | 2.3                       | 7.1                |
| 6/2/2002  | 10         | 2.8                       | 7.2                |
| 6/3/2002  | 10         | 2.8                       | 7.2                |
| 6/4/2002  | 7.4        | 0.2                       | 7.2                |
| 6/5/2002  | 7.2        | 0.1                       | 7.1                |
| 6/6/2002  | 7          | 0.0                       | 7.0                |
| 6/7/2002  | 9.5        | 2.5                       | 7.0                |
| 6/8/2002  | 9.8        | 2.7                       | 7.1                |
| 6/9/2002  | 7.8        | 0.8                       | 7.0                |
| 6/10/2002 | 7.4        | 0.4                       | 7.0                |
| 6/11/2002 | 7.7        | 0.8                       | 6.9                |
| 6/12/2002 | 7.7        | 0.8                       | 6.9                |
| 6/13/2002 | 9.6        | 2.7                       | 6.9                |
| 6/14/2002 | 16         | 8.8                       | 7.2                |
| 6/15/2002 | 21         | 13.3                      | 7.7                |
| 6/16/2002 | 16         | 8.1                       | 7.9                |
| 6/17/2002 | 30         | 21.3                      | 8.7                |
| 6/18/2002 | 105        | 92.7                      | 12.3               |
| 6/19/2002 | 237        | 216.2                     | 20.8               |
| 6/20/2002 | 202        | 174.4                     | 27.6               |
| 6/21/2002 | 404        | 362.2                     | 41.8               |
| 6/22/2002 | 397        | 341.9                     | 55.1               |
| 6/23/2002 | 283        | 219.7                     | 63.3               |
| 6/24/2002 | 224        | 155.1                     | 68.9               |
| 6/25/2002 | 255        | 179.6                     | 75.4               |
| 6/26/2002 | 343        | 258.0                     | 85.0               |
| 6/27/2002 | 357        | 282.4                     | 94.6               |
| 6/28/2002 | 253        | 153.2                     | 99.8               |
| 6/29/2002 | 202        | 99.2                      | 102.8              |
| 6/30/2002 | 191        | 85.8                      | 105.2              |
| 7/1/2002  | 270        | 159.5                     | 110.5              |
| 7/2/2002  | 431        | 309.2                     | 121.8              |
| 7/3/2002  | 320        | 191.8                     | 128.2              |
| 7/4/2002  | 243        | 111.6                     | 131.4              |
| 7/5/2002  | 232        | 98.0                      | 134.0              |
| 7/6/2002  | 199        | 63.8                      | 135.2              |
| 7/7/2002  | 164        | 29.0                      | 135.0              |
| 7/8/2002  | 164        | 29.2                      | 134.8              |
| 7/9/2002  | 174        | 39.0                      | 135.0              |
| 7/10/2002 | 198        | 61.8                      | 136.2              |
| 7/11/2002 | 219        | 81.0                      | 138.0              |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/23/2002 | 58         | 5.3                       | 52.7               |
| 5/24/2002 | 50         | 0.0                       | 50.0               |
| 5/25/2002 | 45         | 0.0                       | 45.0               |
| 5/26/2002 | 34         | 0.0                       | 34.0               |
| 5/27/2002 | 33         | 0.0                       | 33.0               |
| 5/28/2002 | 35         | 2.5                       | 32.5               |
| 5/29/2002 | 37         | 4.7                       | 32.3               |
| 5/30/2002 | 38         | 5.9                       | 32.1               |
| 5/31/2002 | 46         | 13.5                      | 32.5               |
| 6/1/2002  | 49         | 15.9                      | 33.1               |
| 6/2/2002  | 45         | 11.6                      | 33.4               |
| 6/3/2002  | 43         | 9.5                       | 33.5               |
| 6/4/2002  | 46         | 12.2                      | 33.8               |
| 6/5/2002  | 36         | 2.7                       | 33.3               |
| 6/6/2002  | 37         | 4.0                       | 33.0               |
| 6/7/2002  | 47         | 13.6                      | 33.4               |
| 6/8/2002  | 62         | 27.1                      | 34.9               |
| 6/9/2002  | 56         | 20.2                      | 35.8               |
| 6/10/2002 | 50         | 13.8                      | 36.2               |
| 6/11/2002 | 52         | 15.3                      | 36.7               |
| 6/12/2002 | 53         | 15.8                      | 37.2               |
| 6/13/2002 | 78         | 38.4                      | 39.6               |
| 6/14/2002 | 259        | 203.9                     | 55.1               |
| 6/15/2002 | 304        | 231.5                     | 72.5               |
| 6/16/2002 | 248        | 183.8                     | 84.2               |
| 6/17/2002 | 230        | 136.6                     | 93.4               |
| 6/18/2002 | 416        | 300.4                     | 115.6              |
| 6/19/2002 | 654        | 500.7                     | 153.3              |
| 6/20/2002 | 831        | 630.3                     | 200.7              |
| 6/21/2002 | 1130       | 884.2                     | 265.8              |
| 6/22/2002 | 998        | 682.9                     | 315.1              |
| 6/23/2002 | 756        | 414.1                     | 341.9              |
| 6/24/2002 | 554        | 202.7                     | 351.3              |
| 6/25/2002 | 595        | 232.1                     | 362.9              |
| 6/26/2002 | 811        | 421.7                     | 389.3              |
| 6/27/2002 | 522        | 130.0                     | 392.0              |
| 6/28/2002 | 330        | 0.0                       | 330.0              |
| 6/29/2002 | 242        | 0.0                       | 242.0              |
| 6/30/2002 | 182        | 0.0                       | 182.0              |
| 7/1/2002  | 318        | 129.3                     | 188.7              |
| 7/2/2002  | 497        | 289.0                     | 208.0              |
| 7/3/2002  | 309        | 97.3                      | 211.7              |
| 7/4/2002  | 211        | 3.3                       | 207.7              |
| 7/5/2002  | 180        | 0.0                       | 180.0              |
| 7/6/2002  | 157        | 0.0                       | 157.0              |
| 7/7/2002  | 154        | 0.1                       | 153.9              |
| 7/8/2002  | 159        | 7.6                       | 151.4              |
| 7/9/2002  | 190        | 38.5                      | 151.5              |
| 7/10/2002 | 261        | 104.2                     | 156.8              |
| 7/11/2002 | 270        | 107.7                     | 162.3              |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/12/2002 | 16.67      | 1.6                       | 15.0               |
| 7/13/2002 | 17.33      | 2.4                       | 14.9               |
| 7/14/2002 | 13.53      | 0.0                       | 13.5               |
| 7/15/2002 | 12.16      | 0.0                       | 12.2               |
| 7/16/2002 | 11.42      | 0.0                       | 11.4               |
| 7/17/2002 | 16.47      | 4.9                       | 11.6               |
| 7/18/2002 | 14.08      | 2.5                       | 11.6               |
| 7/19/2002 | 11.71      | 0.4                       | 11.4               |
| 7/20/2002 | 18.36      | 6.7                       | 11.7               |
| 7/21/2002 | 17.39      | 5.5                       | 11.9               |
| 7/22/2002 | 14.47      | 2.6                       | 11.8               |
| 7/23/2002 | 13.47      | 1.7                       | 11.7               |
| 7/24/2002 | 11.86      | 0.3                       | 11.5               |
| 7/25/2002 | 11.36      | 0.1                       | 11.3               |
| 7/26/2002 | 10.99      | 0.0                       | 11.0               |
| 7/27/2002 | 10.42      | 0.0                       | 10.4               |
| 7/28/2002 | 9.75       | 0.0                       | 9.8                |
| 7/29/2002 | 9.64       | 0.1                       | 9.6                |
| 7/30/2002 | 9.44       | 0.1                       | 9.4                |
| 7/31/2002 | 8.99       | 0.0                       | 9.0                |
| 8/1/2002  | 9.87       | 1.0                       | 8.9                |
| 8/2/2002  | 36.48      | 25.7                      | 10.8               |
| 8/3/2002  | 41.42      | 28.6                      | 12.8               |
| 8/4/2002  | 28.32      | 14.6                      | 13.7               |
| 8/5/2002  | 26.69      | 12.2                      | 14.5               |
| 8/6/2002  | 19.36      | 4.8                       | 14.5               |
| 8/7/2002  | 16.93      | 2.5                       | 14.5               |
| 8/8/2002  | 20.23      | 5.6                       | 14.6               |
| 8/9/2002  | 22.16      | 7.3                       | 14.9               |
| 8/10/2002 | 20.55      | 5.5                       | 15.0               |
| 8/11/2002 | 35.05      | 18.8                      | 16.2               |
| 8/12/2002 | 77.25      | 56.8                      | 20.5               |
| 8/13/2002 | 51.91      | 29.5                      | 22.4               |
| 8/14/2002 | 33.46      | 10.6                      | 22.8               |
| 8/15/2002 | 28.41      | 5.6                       | 22.8               |
| 8/16/2002 | 23.75      | 1.3                       | 22.5               |
| 8/17/2002 | 23.91      | 1.8                       | 22.1               |
| 8/18/2002 | 19.84      | 0.0                       | 19.8               |
| 8/19/2002 | 17.81      | 0.0                       | 17.8               |
| 8/20/2002 | 16.17      | 0.0                       | 16.2               |
| 8/21/2002 | 15.12      | 0.0                       | 15.1               |
| 8/22/2002 | 14.63      | 0.0                       | 14.6               |
| 8/23/2002 | 13.71      | 0.0                       | 13.7               |
| 8/24/2002 | 12.72      | 0.0                       | 12.7               |
| 8/25/2002 | 10.95      | 0.0                       | 11.0               |
| 8/26/2002 | 15.72      | 4.6                       | 11.1               |
| 8/27/2002 | 16.08      | 4.8                       | 11.3               |
| 8/28/2002 | 14.26      | 3.0                       | 11.3               |
| 8/29/2002 | 16.47      | 5.0                       | 11.5               |
| 8/30/2002 | 13.34      | 2.0                       | 11.4               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/12/2002 | 657        | 214.8                     | 442.2              |
| 7/13/2002 | 527        | 88.3                      | 438.7              |
| 7/14/2002 | 447        | 22.3                      | 424.7              |
| 7/15/2002 | 365        | 0.0                       | 365.0              |
| 7/16/2002 | 292        | 0.0                       | 292.0              |
| 7/17/2002 | 240        | 0.0                       | 240.0              |
| 7/18/2002 | 204        | 0.0                       | 204.0              |
| 7/19/2002 | 177        | 0.0                       | 177.0              |
| 7/20/2002 | 163        | 0.0                       | 163.0              |
| 7/21/2002 | 271        | 98.7                      | 172.3              |
| 7/22/2002 | 463        | 256.6                     | 206.4              |
| 7/23/2002 | 423        | 193.8                     | 229.2              |
| 7/24/2002 | 313        | 80.2                      | 232.8              |
| 7/25/2002 | 230        | 5.6                       | 224.4              |
| 7/26/2002 | 168        | 0.0                       | 168.0              |
| 7/27/2002 | 136        | 0.0                       | 136.0              |
| 7/28/2002 | 116        | 0.0                       | 116.0              |
| 7/29/2002 | 102        | 0.0                       | 102.0              |
| 7/30/2002 | 96         | 0.0                       | 96.0               |
| 7/31/2002 | 93         | 0.7                       | 92.3               |
| 8/1/2002  | 94         | 4.7                       | 89.3               |
| 8/2/2002  | 221        | 116.6                     | 104.4              |
| 8/3/2002  | 301        | 173.1                     | 127.9              |
| 8/4/2002  | 176        | 45.9                      | 130.1              |
| 8/5/2002  | 117        | 0.0                       | 117.0              |
| 8/6/2002  | 106        | 0.0                       | 106.0              |
| 8/7/2002  | 91         | 0.0                       | 91.0               |
| 8/8/2002  | 112        | 21.2                      | 90.8               |
| 8/9/2002  | 215        | 110.2                     | 104.8              |
| 8/10/2002 | 239        | 119.3                     | 119.7              |
| 8/11/2002 | 338        | 192.3                     | 145.7              |
| 8/12/2002 | 548        | 351.9                     | 196.1              |
| 8/13/2002 | 486        | 256.7                     | 229.3              |
| 8/14/2002 | 322        | 87.8                      | 234.2              |
| 8/15/2002 | 248        | 20.0                      | 228.0              |
| 8/16/2002 | 206        | 0.0                       | 206.0              |
| 8/17/2002 | 181        | 0.0                       | 181.0              |
| 8/18/2002 | 165        | 0.0                       | 165.0              |
| 8/19/2002 | 132        | 0.0                       | 132.0              |
| 8/20/2002 | 102        | 0.0                       | 102.0              |
| 8/21/2002 | 82         | 0.0                       | 82.0               |
| 8/22/2002 | 67         | 0.0                       | 67.0               |
| 8/23/2002 | 60         | 0.0                       | 60.0               |
| 8/24/2002 | 57         | 0.0                       | 57.0               |
| 8/25/2002 | 56         | 1.1                       | 54.9               |
| 8/26/2002 | 66         | 11.5                      | 54.5               |
| 8/27/2002 | 80         | 23.8                      | 56.2               |
| 8/28/2002 | 97         | 37.1                      | 59.9               |
| 8/29/2002 | 112        | 47.0                      | 65.0               |
| 8/30/2002 | 89         | 22.9                      | 66.1               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/12/2002 | 284        | 141.7                     | 142.3              |
| 7/13/2002 | 299        | 152.0                     | 147.0              |
| 7/14/2002 | 251        | 101.4                     | 149.6              |
| 7/15/2002 | 194        | 44.2                      | 149.8              |
| 7/16/2002 | 152        | 3.5                       | 148.5              |
| 7/17/2002 | 112        | 0.0                       | 112.0              |
| 7/18/2002 | 90         | 0.0                       | 90.0               |
| 7/19/2002 | 100        | 10.5                      | 89.5               |
| 7/20/2002 | 97         | 8.1                       | 88.9               |
| 7/21/2002 | 100        | 11.5                      | 88.5               |
| 7/22/2002 | 139        | 49.4                      | 89.6               |
| 7/23/2002 | 117        | 27.2                      | 89.8               |
| 7/24/2002 | 90         | 1.1                       | 88.9               |
| 7/25/2002 | 69         | 0.0                       | 69.0               |
| 7/26/2002 | 58         | 0.0                       | 58.0               |
| 7/27/2002 | 52         | 0.0                       | 52.0               |
| 7/28/2002 | 48         | 0.0                       | 48.0               |
| 7/29/2002 | 47         | 0.0                       | 47.0               |
| 7/30/2002 | 47         | 0.5                       | 46.5               |
| 7/31/2002 | 44         | 0.0                       | 44.0               |
| 8/1/2002  | 40         | 0.0                       | 40.0               |
| 8/2/2002  | 51         | 11.0                      | 40.0               |
| 8/3/2002  | 98         | 56.1                      | 41.9               |
| 8/4/2002  | 95         | 51.5                      | 43.5               |
| 8/5/2002  | 153        | 105.7                     | 47.3               |
| 8/6/2002  | 193        | 140.5                     | 52.5               |
| 8/7/2002  | 128        | 73.1                      | 54.9               |
| 8/8/2002  | 106        | 49.7                      | 56.3               |
| 8/9/2002  | 150        | 90.6                      | 59.4               |
| 8/10/2002 | 120        | 58.9                      | 61.1               |
| 8/11/2002 | 149        | 85.1                      | 63.9               |
| 8/12/2002 | 276        | 204.5                     | 71.5               |
| 8/13/2002 | 240        | 162.7                     | 77.3               |
| 8/14/2002 | 198        | 116.8                     | 81.2               |
| 8/15/2002 | 177        | 92.9                      | 84.1               |
| 8/16/2002 | 133        | 47.9                      | 85.1               |
| 8/17/2002 | 112        | 26.6                      | 85.4               |
| 8/18/2002 | 94         | 9.1                       | 84.9               |
| 8/19/2002 | 76         | 0.0                       | 76.0               |
| 8/20/2002 | 62         | 0.0                       | 62.0               |
| 8/21/2002 | 57         | 0.0                       | 57.0               |
| 8/22/2002 | 52         | 0.0                       | 52.0               |
| 8/23/2002 | 46         | 0.0                       | 46.0               |
| 8/24/2002 | 41         | 0.0                       | 41.0               |
| 8/25/2002 | 36         | 0.0                       | 36.0               |
| 8/26/2002 | 32         | 0.0                       | 32.0               |
| 8/27/2002 | 29         | 0.0                       | 29.0               |
| 8/28/2002 | 29         | 0.3                       | 28.7               |
| 8/29/2002 | 30         | 1.5                       | 28.5               |
| 8/30/2002 | 28         | 0.0                       | 28.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/12/2002 | 215        | 51.8                      | 163.2              |
| 7/13/2002 | 176        | 14.9                      | 161.1              |
| 7/14/2002 | 142        | 0.0                       | 142.0              |
| 7/15/2002 | 119        | 0.0                       | 119.0              |
| 7/16/2002 | 90         | 0.0                       | 90.0               |
| 7/17/2002 | 86         | 0.0                       | 86.0               |
| 7/18/2002 | 89         | 4.4                       | 84.6               |
| 7/19/2002 | 108        | 23.2                      | 84.8               |
| 7/20/2002 | 105        | 20.3                      | 84.7               |
| 7/21/2002 | 125        | 38.9                      | 86.1               |
| 7/22/2002 | 155        | 65.4                      | 89.6               |
| 7/23/2002 | 145        | 52.9                      | 92.1               |
| 7/24/2002 | 125        | 32.2                      | 92.8               |
| 7/25/2002 | 105        | 13.0                      | 92.0               |
| 7/26/2002 | 92         | 1.7                       | 90.3               |
| 7/27/2002 | 84         | 0.0                       | 84.0               |
| 7/28/2002 | 82         | 0.0                       | 82.0               |
| 7/29/2002 | 80         | 0.0                       | 80.0               |
| 7/30/2002 | 79         | 0.6                       | 78.4               |
| 7/31/2002 | 77         | 0.1                       | 76.9               |
| 8/1/2002  | 75         | 0.0                       | 75.0               |
| 8/2/2002  | 83         | 8.8                       | 74.2               |
| 8/3/2002  | 112        | 36.4                      | 75.6               |
| 8/4/2002  | 93         | 17.5                      | 75.5               |
| 8/5/2002  | 100        | 24.1                      | 75.9               |
| 8/6/2002  | 87         | 11.7                      | 75.3               |
| 8/7/2002  | 85         | 10.3                      | 74.7               |
| 8/8/2002  | 71         | 0.0                       | 71.0               |
| 8/9/2002  | 175        | 97.6                      | 77.4               |
| 8/10/2002 | 138        | 57.6                      | 80.4               |
| 8/11/2002 | 167        | 81.6                      | 85.4               |
| 8/12/2002 | 351        | 247.5                     | 103.5              |
| 8/13/2002 | 267        | 153.3                     | 113.7              |
| 8/14/2002 | 186        | 69.1                      | 116.9              |
| 8/15/2002 | 137        | 20.8                      | 116.2              |
| 8/16/2002 | 111        | 0.0                       | 111.0              |
| 8/17/2002 | 119        | 9.5                       | 109.5              |
| 8/18/2002 | 109        | 1.5                       | 107.5              |
| 8/19/2002 | 96         | 0.0                       | 96.0               |
| 8/20/2002 | 85         | 0.0                       | 85.0               |
| 8/21/2002 | 76         | 0.0                       | 76.0               |
| 8/22/2002 | 80         | 5.1                       | 74.9               |
| 8/23/2002 | 83         | 8.9                       | 74.1               |
| 8/24/2002 | 81         | 7.8                       | 73.2               |
| 8/25/2002 | 75         | 3.0                       | 72.0               |
| 8/26/2002 | 68         | 0.0                       | 68.0               |
| 8/27/2002 | 76         | 8.7                       | 67.3               |
| 8/28/2002 | 83         | 15.8                      | 67.2               |
| 8/29/2002 | 74         | 7.5                       | 66.5               |
| 8/30/2002 | 77         | 11.0                      | 66.0               |



## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/31/2002  | 15.83      | 4.3                       | 11.5               |
| 9/1/2002   | 12.9       | 1.5                       | 11.4               |
| 9/2/2002   | 12.75      | 1.5                       | 11.3               |
| 9/3/2002   | 12.58      | 1.4                       | 11.2               |
| 9/4/2002   | 11.35      | 0.4                       | 11.0               |
| 9/5/2002   | 11.68      | 0.9                       | 10.8               |
| 9/6/2002   | 10.67      | 0.1                       | 10.6               |
| 9/7/2002   | 9.65       | 0.0                       | 9.7                |
| 9/8/2002   | 9.83       | 0.3                       | 9.5                |
| 9/9/2002   | 9.99       | 0.6                       | 9.3                |
| 9/10/2002  | 15.36      | 5.7                       | 9.6                |
| 9/11/2002  | 16.63      | 6.7                       | 10.0               |
| 9/12/2002  | 15.9       | 5.7                       | 10.2               |
| 9/13/2002  | 15.26      | 4.9                       | 10.4               |
| 9/14/2002  | 15.72      | 5.1                       | 10.6               |
| 9/15/2002  | 15.27      | 4.5                       | 10.8               |
| 9/16/2002  | 13.68      | 2.9                       | 10.8               |
| 9/17/2002  | 11.86      | 1.2                       | 10.7               |
| 9/18/2002  | 11.78      | 1.2                       | 10.5               |
| 9/19/2002  | 12.03      | 1.6                       | 10.5               |
| 9/20/2002  | 10.86      | 0.6                       | 10.3               |
| 9/21/2002  | 10.59      | 0.5                       | 10.1               |
| 9/22/2002  | 10.32      | 0.4                       | 9.9                |
| 9/23/2002  | 10.65      | 0.8                       | 9.8                |
| 9/24/2002  | 12.34      | 2.5                       | 9.8                |
| 9/25/2002  | 12.66      | 2.8                       | 9.8                |
| 9/26/2002  | 11.8       | 2.0                       | 9.8                |
| 9/27/2002  | 12.65      | 2.8                       | 9.8                |
| 9/28/2002  | 11.7       | 1.9                       | 9.8                |
| 9/29/2002  | 10.85      | 1.2                       | 9.7                |
| 9/30/2002  | 11.18      | 1.6                       | 9.6                |
| 10/1/2002  | 12.59      | 2.9                       | 9.7                |
| 10/2/2002  | 11.08      | 1.5                       | 9.6                |
| 10/3/2002  | 9.61       | 0.2                       | 9.4                |
| 10/4/2002  | 9.2        | 0.0                       | 9.2                |
| 10/5/2002  | 9.07       | 0.1                       | 9.0                |
| 10/6/2002  | 9.17       | 0.3                       | 8.9                |
| 10/7/2002  | 9.67       | 0.9                       | 8.8                |
| 10/8/2002  | 9.93       | 1.2                       | 8.7                |
| 10/9/2002  | 10.23      | 1.6                       | 8.6                |
| 10/10/2002 | 9.84       | 1.3                       | 8.6                |
| 10/11/2002 | 9.39       | 0.9                       | 8.5                |
| 10/12/2002 | 9.03       | 0.7                       | 8.4                |
| 10/13/2002 | 8.38       | 0.2                       | 8.2                |
| 10/14/2002 | 14.52      | 6.0                       | 8.5                |
| 10/15/2002 | 16.58      | 7.6                       | 9.0                |
| 10/16/2002 | 14.93      | 5.7                       | 9.2                |
| 10/17/2002 | 11.49      | 2.3                       | 9.2                |
| 10/18/2002 | 10.59      | 1.4                       | 9.2                |
| 10/19/2002 | 10.07      | 1.0                       | 9.1                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/31/2002  | 78         | 12.6                      | 65.4               |
| 9/1/2002   | 72         | 7.9                       | 64.1               |
| 9/2/2002   | 70         | 7.3                       | 62.7               |
| 9/3/2002   | 72         | 10.2                      | 61.8               |
| 9/4/2002   | 69         | 8.3                       | 60.7               |
| 9/5/2002   | 62         | 3.2                       | 58.8               |
| 9/6/2002   | 58         | 1.4                       | 56.6               |
| 9/7/2002   | 51         | 0.0                       | 51.0               |
| 9/8/2002   | 46         | 0.0                       | 46.0               |
| 9/9/2002   | 42         | 0.0                       | 42.0               |
| 9/10/2002  | 39         | 0.0                       | 39.0               |
| 9/11/2002  | 38         | 0.5                       | 37.5               |
| 9/12/2002  | 39         | 2.6                       | 36.4               |
| 9/13/2002  | 38         | 2.6                       | 35.4               |
| 9/14/2002  | 35         | 0.9                       | 34.1               |
| 9/15/2002  | 33         | 0.2                       | 32.8               |
| 9/16/2002  | 33         | 1.3                       | 31.7               |
| 9/17/2002  | 32         | 1.4                       | 30.6               |
| 9/18/2002  | 30         | 0.5                       | 29.5               |
| 9/19/2002  | 28         | 0.0                       | 28.0               |
| 9/20/2002  | 28         | 1.0                       | 27.0               |
| 9/21/2002  | 28         | 1.8                       | 26.2               |
| 9/22/2002  | 28         | 2.4                       | 25.6               |
| 9/23/2002  | 28         | 3.0                       | 25.0               |
| 9/24/2002  | 31         | 6.0                       | 25.0               |
| 9/25/2002  | 36         | 10.4                      | 25.6               |
| 9/26/2002  | 36         | 9.8                       | 26.2               |
| 9/27/2002  | 37         | 10.2                      | 26.8               |
| 9/28/2002  | 36         | 8.9                       | 27.1               |
| 9/29/2002  | 35         | 7.7                       | 27.3               |
| 9/30/2002  | 37         | 9.3                       | 27.7               |
| 10/1/2002  | 36         | 8.1                       | 27.9               |
| 10/2/2002  | 34         | 6.2                       | 27.8               |
| 10/3/2002  | 33         | 5.5                       | 27.5               |
| 10/4/2002  | 30         | 3.1                       | 26.9               |
| 10/5/2002  | 28         | 1.9                       | 26.1               |
| 10/6/2002  | 27         | 1.6                       | 25.4               |
| 10/7/2002  | 26         | 1.4                       | 24.6               |
| 10/8/2002  | 27         | 2.9                       | 24.1               |
| 10/9/2002  | 27         | 3.4                       | 23.6               |
| 10/10/2002 | 28         | 4.6                       | 23.4               |
| 10/11/2002 | 28         | 4.8                       | 23.2               |
| 10/12/2002 | 28         | 4.9                       | 23.1               |
| 10/13/2002 | 28         | 5.0                       | 23.0               |
| 10/14/2002 | 29         | 6.0                       | 23.0               |
| 10/15/2002 | 29         | 6.0                       | 23.0               |
| 10/16/2002 | 30         | 6.8                       | 23.2               |
| 10/17/2002 | 33         | 9.2                       | 23.8               |
| 10/18/2002 | 32         | 7.9                       | 23.1               |
| 10/19/2002 | 29         | 5.1                       | 23.9               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/31/2002  | 30         | 2.2                       | 27.8               |
| 9/1/2002   | 28         | 0.5                       | 27.5               |
| 9/2/2002   | 35         | 7.4                       | 27.6               |
| 9/3/2002   | 53         | 24.7                      | 28.3               |
| 9/4/2002   | 52         | 23.1                      | 28.9               |
| 9/5/2002   | 46         | 16.7                      | 29.3               |
| 9/6/2002   | 36         | 6.7                       | 29.3               |
| 9/7/2002   | 33         | 3.9                       | 29.1               |
| 9/8/2002   | 31         | 2.1                       | 28.9               |
| 9/9/2002   | 30         | 1.3                       | 28.7               |
| 9/10/2002  | 29         | 0.6                       | 28.4               |
| 9/11/2002  | 28         | 0.0                       | 28.0               |
| 9/12/2002  | 27         | 0.0                       | 27.0               |
| 9/13/2002  | 27         | 0.3                       | 26.7               |
| 9/14/2002  | 27         | 0.5                       | 26.5               |
| 9/15/2002  | 26         | 0.0                       | 26.0               |
| 9/16/2002  | 25         | 0.0                       | 25.0               |
| 9/17/2002  | 25         | 0.2                       | 24.8               |
| 9/18/2002  | 24         | 0.0                       | 24.0               |
| 9/19/2002  | 24         | 0.2                       | 23.8               |
| 9/20/2002  | 24         | 0.5                       | 23.5               |
| 9/21/2002  | 24         | 0.9                       | 23.3               |
| 9/22/2002  | 24         | 0.9                       | 23.1               |
| 9/23/2002  | 23         | 0.1                       | 22.9               |
| 9/24/2002  | 26         | 3.2                       | 22.8               |
| 9/25/2002  | 28         | 5.2                       | 22.8               |
| 9/26/2002  | 30         | 7.1                       | 22.9               |
| 9/27/2002  | 31         | 8.1                       | 22.9               |
| 9/28/2002  | 26         | 3.2                       | 22.8               |
| 9/29/2002  | 24         | 1.3                       | 22.7               |
| 9/30/2002  | 24         | 1.5                       | 22.5               |
| 10/1/2002  | 25         | 2.6                       | 22.4               |
| 10/2/2002  | 24         | 1.8                       | 22.2               |
| 10/3/2002  | 23         | 1.0                       | 22.0               |
| 10/4/2002  | 20         | 0.0                       | 20.0               |
| 10/5/2002  | 19         | 0.0                       | 19.0               |
| 10/6/2002  | 18         | 0.0                       | 18.0               |
| 10/7/2002  | 17         | 0.0                       | 17.0               |
| 10/8/2002  | 16         | 0.0                       | 16.0               |
| 10/9/2002  | 16         | 0.2                       | 15.8               |
| 10/10/2002 | 19         | 3.2                       | 15.8               |
| 10/11/2002 | 25         | 9.0                       | 16.0               |
| 10/12/2002 | 20         | 4.0                       | 16.0               |
| 10/13/2002 | 17         | 1.1                       | 15.9               |
| 10/14/2002 | 26         | 9.9                       | 16.1               |
| 10/15/2002 | 29         | 12.5                      | 16.5               |
| 10/16/2002 | 19         | 2.6                       | 16.4               |
| 10/17/2002 | 17         | 0.7                       | 16.3               |
| 10/18/2002 | 16         | 0.0                       | 16.0               |
| 10/19/2002 | 15         | 0.0                       | 15.0               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/31/2002  | 86         | 19.7                      | 66.3               |
| 9/1/2002   | 75         | 9.3                       | 65.7               |
| 9/2/2002   | 69         | 4.3                       | 64.7               |
| 9/3/2002   | 81         | 16.2                      | 64.8               |
| 9/4/2002   | 82         | 17.2                      | 64.8               |
| 9/5/2002   | 89         | 23.6                      | 65.4               |
| 9/6/2002   | 78         | 12.9                      | 65.1               |
| 9/7/2002   | 66         | 2.0                       | 64.0               |
| 9/8/2002   | 60         | 0.0                       | 60.0               |
| 9/9/2002   | 57         | 0.0                       | 57.0               |
| 9/10/2002  | 52         | 0.0                       | 52.0               |
| 9/11/2002  | 51         | 0.0                       | 51.0               |
| 9/12/2002  | 56         | 5.6                       | 50.4               |
| 9/13/2002  | 65         | 14.5                      | 50.5               |
| 9/14/2002  | 54         | 4.1                       | 49.9               |
| 9/15/2002  | 54         | 4.8                       | 49.2               |
| 9/16/2002  | 53         | 4.4                       | 48.6               |
| 9/17/2002  | 49         | 1.3                       | 47.7               |
| 9/18/2002  | 52         | 4.8                       | 47.2               |
| 9/19/2002  | 54         | 7.2                       | 46.8               |
| 9/20/2002  | 54         | 7.5                       | 46.5               |
| 9/21/2002  | 56         | 9.7                       | 46.3               |
| 9/22/2002  | 62         | 15.4                      | 46.6               |
| 9/23/2002  | 60         | 13.3                      | 46.7               |
| 9/24/2002  | 55         | 8.5                       | 46.5               |
| 9/25/2002  | 73         | 25.4                      | 47.6               |
| 9/26/2002  | 77         | 28.1                      | 48.9               |
| 9/27/2002  | 83         | 32.5                      | 50.5               |
| 9/28/2002  | 66         | 15.3                      | 50.7               |
| 9/29/2002  | 54         | 4.0                       | 50.0               |
| 9/30/2002  | 50         | 0.9                       | 49.1               |
| 10/1/2002  | 53         | 4.5                       | 48.5               |
| 10/2/2002  | 52         | 4.2                       | 47.8               |
| 10/3/2002  | 49         | 2.0                       | 47.0               |
| 10/4/2002  | 52         | 5.5                       | 46.5               |
| 10/5/2002  | 58         | 11.5                      | 46.5               |
| 10/6/2002  | 66         | 18.9                      | 47.1               |
| 10/7/2002  | 67         | 19.3                      | 47.7               |
| 10/8/2002  | 58         | 10.4                      | 47.6               |
| 10/9/2002  | 45         | 0.0                       | 45.0               |
| 10/10/2002 | 47         | 2.7                       | 44.3               |
| 10/11/2002 | 48         | 4.2                       | 43.8               |
| 10/12/2002 | 45         | 2.0                       | 43.0               |
| 10/13/2002 | 37         | 0.0                       | 37.0               |
| 10/14/2002 | 35         | 0.0                       | 35.0               |
| 10/15/2002 | 41         | 6.2                       | 34.8               |
| 10/16/2002 | 50         | 14.7                      | 35.3               |
| 10/17/2002 | 41         | 6.0                       | 35.0               |
| 10/18/2002 | 37         | 2.5                       | 34.5               |
| 10/19/2002 | 35         | 1.1                       | 33.9               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/20/2002 | 9.39       | 0.5                       | 8.9                |
| 10/21/2002 | 9.48       | 0.7                       | 8.8                |
| 10/22/2002 | 9.24       | 0.6                       | 8.7                |
| 10/23/2002 | 19.72      | 10.4                      | 9.3                |
| 10/24/2002 | 22.88      | 12.7                      | 10.2               |
| 10/25/2002 | 36.07      | 24.2                      | 11.9               |
| 10/26/2002 | 18.48      | 6.3                       | 12.2               |
| 10/27/2002 | 15.12      | 3.0                       | 12.1               |
| 10/28/2002 | 13.17      | 1.2                       | 12.0               |
| 10/29/2002 | 11.34      | 0.0                       | 11.3               |
| 10/30/2002 | 12.45      | 1.2                       | 11.2               |
| 10/31/2002 | 12.28      | 1.2                       | 11.1               |
| 11/1/2002  | 12.04      | 1.1                       | 10.9               |
| 11/2/2002  | 11.29      | 0.5                       | 10.8               |
| 11/3/2002  | 10.61      | 0.0                       | 10.6               |
| 11/4/2002  | 11.22      | 0.8                       | 10.4               |
| 11/5/2002  | 11.6       | 1.3                       | 10.3               |
| 11/6/2002  | 11.2       | 1.0                       | 10.2               |
| 11/7/2002  | 10.52      | 0.5                       | 10.0               |
| 11/8/2002  | 9.54       | 0.0                       | 9.5                |
| 11/9/2002  | 9.54       | 0.2                       | 9.4                |
| 11/10/2002 | 9.51       | 0.3                       | 9.2                |
| 11/11/2002 | 9.35       | 0.3                       | 9.0                |
| 11/12/2002 | 9.13       | 0.2                       | 8.9                |
| 11/13/2002 | 8.59       | 0.0                       | 8.6                |
| 11/14/2002 | 8.52       | 0.1                       | 8.4                |
| 11/15/2002 | 8.44       | 0.2                       | 8.3                |
| 11/16/2002 | 14.42      | 5.8                       | 8.6                |
| 11/17/2002 | 17.39      | 8.3                       | 9.1                |
| 11/18/2002 | 13.64      | 4.4                       | 9.2                |
| 11/19/2002 | 12.85      | 3.5                       | 9.3                |
| 11/20/2002 | 12.04      | 2.7                       | 9.4                |
| 11/21/2002 | 11.12      | 1.8                       | 9.3                |
| 11/22/2002 | 9.95       | 0.8                       | 9.2                |
| 11/23/2002 | 9.35       | 0.3                       | 9.0                |
| 11/24/2002 | 9.06       | 0.2                       | 8.9                |
| 11/25/2002 | 8.92       | 0.2                       | 8.7                |
| 11/26/2002 | 8.73       | 0.2                       | 8.5                |
| 11/27/2002 | 8.59       | 0.2                       | 8.4                |
| 11/28/2002 | 8.46       | 0.2                       | 8.2                |
| 11/29/2002 | 8.29       | 0.2                       | 8.1                |
| 11/30/2002 | 8.33       | 0.4                       | 8.0                |
| 12/1/2002  | 8.28       | 0.4                       | 7.8                |
| 12/2/2002  | 8.08       | 0.4                       | 7.7                |
| 12/3/2002  | 8.11       | 0.5                       | 7.6                |
| 12/4/2002  | 7.95       | 0.5                       | 7.5                |
| 12/5/2002  | 8.06       | 0.7                       | 7.4                |
| 12/6/2002  | 9.79       | 2.4                       | 7.4                |
| 12/7/2002  | 8.53       | 1.2                       | 7.4                |
| 12/8/2002  | 8.64       | 1.3                       | 7.3                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/20/2002 | 26         | 2.6                       | 23.4               |
| 10/21/2002 | 29         | 5.6                       | 23.4               |
| 10/22/2002 | 31         | 7.4                       | 23.6               |
| 10/23/2002 | 29         | 5.5                       | 23.5               |
| 10/24/2002 | 29         | 5.5                       | 23.5               |
| 10/25/2002 | 29         | 5.6                       | 23.4               |
| 10/26/2002 | 29         | 5.6                       | 23.4               |
| 10/27/2002 | 30         | 6.5                       | 23.5               |
| 10/28/2002 | 30         | 6.4                       | 23.6               |
| 10/29/2002 | 28         | 4.6                       | 23.4               |
| 10/30/2002 | 26         | 3.7                       | 22.9               |
| 10/31/2002 | 28         | 5.2                       | 22.8               |
| 11/1/2002  | 28         | 5.2                       | 22.8               |
| 11/2/2002  | 27         | 4.4                       | 22.6               |
| 11/3/2002  | 26         | 3.7                       | 22.3               |
| 11/4/2002  | 23         | 1.4                       | 21.6               |
| 11/5/2002  | 21         | 0.2                       | 20.8               |
| 11/6/2002  | 21         | 0.9                       | 20.1               |
| 11/7/2002  | 26         | 5.8                       | 20.2               |
| 11/8/2002  | 26         | 5.7                       | 20.3               |
| 11/9/2002  | 24         | 3.9                       | 20.1               |
| 11/10/2002 | 24         | 4.0                       | 20.0               |
| 11/11/2002 | 26         | 5.9                       | 20.1               |
| 11/12/2002 | 25         | 4.9                       | 20.1               |
| 11/13/2002 | 26         | 5.8                       | 20.2               |
| 11/14/2002 | 26         | 5.7                       | 20.3               |
| 11/15/2002 | 24         | 3.9                       | 20.1               |
| 11/16/2002 | 35         | 13.5                      | 21.5               |
| 11/17/2002 | 55         | 29.6                      | 25.4               |
| 11/18/2002 | 57         | 28.1                      | 28.9               |
| 11/19/2002 | 50         | 19.2                      | 30.8               |
| 11/20/2002 | 44         | 12.5                      | 31.5               |
| 11/21/2002 | 41         | 9.2                       | 31.8               |
| 11/22/2002 | 40         | 8.2                       | 31.8               |
| 11/23/2002 | 37         | 5.6                       | 31.4               |
| 11/24/2002 | 27         | 0.0                       | 27.0               |
| 11/25/2002 | 18         | 0.0                       | 18.0               |
| 11/26/2002 | 22         | 4.1                       | 17.9               |
| 11/27/2002 | 31         | 11.9                      | 19.1               |
| 11/28/2002 | 31         | 10.9                      | 20.1               |
| 11/29/2002 | 30         | 9.2                       | 20.8               |
| 11/30/2002 | 31         | 9.5                       | 21.5               |
| 12/1/2002  | 31         | 9.0                       | 22.0               |
| 12/2/2002  | 30         | 7.6                       | 22.4               |
| 12/3/2002  | 29         | 6.5                       | 22.5               |
| 12/4/2002  | 31         | 8.1                       | 22.9               |
| 12/5/2002  | 29         | 6.0                       | 23.0               |
| 12/6/2002  | 30         | 6.9                       | 23.1               |
| 12/7/2002  | 37         | 12.7                      | 24.3               |
| 12/8/2002  | 40         | 14.4                      | 25.6               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/20/2002 | 16         | 1.1                       | 14.9               |
| 10/21/2002 | 16         | 1.2                       | 14.8               |
| 10/22/2002 | 19         | 4.2                       | 14.8               |
| 10/23/2002 | 19         | 4.2                       | 14.8               |
| 10/24/2002 | 17         | 2.2                       | 14.8               |
| 10/25/2002 | 18         | 3.2                       | 14.8               |
| 10/26/2002 | 16         | 1.3                       | 14.7               |
| 10/27/2002 | 15         | 0.5                       | 14.5               |
| 10/28/2002 | 14         | 0.0                       | 14.0               |
| 10/29/2002 | 14         | 0.1                       | 13.9               |
| 10/30/2002 | 14         | 0.3                       | 13.7               |
| 10/31/2002 | 15         | 1.3                       | 13.7               |
| 11/1/2002  | 16         | 2.4                       | 13.6               |
| 11/2/2002  | 15         | 1.5                       | 13.5               |
| 11/3/2002  | 14         | 0.6                       | 13.4               |
| 11/4/2002  | 13         | 0.0                       | 13.0               |
| 11/5/2002  | 13         | 0.1                       | 12.9               |
| 11/6/2002  | 13         | 0.2                       | 12.8               |
| 11/7/2002  | 13         | 0.4                       | 12.6               |
| 11/8/2002  | 12         | 0.0                       | 12.0               |
| 11/9/2002  | 12         | 0.1                       | 11.9               |
| 11/10/2002 | 11         | 0.0                       | 11.0               |
| 11/11/2002 | 11         | 0.1                       | 10.9               |
| 11/12/2002 | 9.9        | 0.0                       | 9.9                |
| 11/13/2002 | 9.8        | 0.0                       | 9.8                |
| 11/14/2002 | 9.6        | 0.0                       | 9.6                |
| 11/15/2002 | 9.1        | 0.0                       | 9.1                |
| 11/16/2002 | 16         | 6.7                       | 9.3                |
| 11/17/2002 | 21         | 11.4                      | 9.6                |
| 11/18/2002 | 16         | 6.2                       | 9.8                |
| 11/19/2002 | 15         | 5.1                       | 9.9                |
| 11/20/2002 | 14         | 4.0                       | 10.0               |
| 11/21/2002 | 14         | 4.0                       | 10.0               |
| 11/22/2002 | 14         | 3.9                       | 10.1               |
| 11/23/2002 | 14         | 3.9                       | 10.1               |
| 11/24/2002 | 13         | 2.9                       | 10.1               |
| 11/25/2002 | 13         | 2.8                       | 10.2               |
| 11/26/2002 | 12         | 1.9                       | 10.1               |
| 11/27/2002 | 14         | 3.8                       | 10.2               |
| 11/28/2002 | 14         | 3.8                       | 10.2               |
| 11/29/2002 | 12         | 1.8                       | 10.2               |
| 11/30/2002 | 12         | 1.8                       | 10.2               |
| 12/1/2002  | 12         | 1.9                       | 10.1               |
| 12/2/2002  | 11         | 0.9                       | 10.1               |
| 12/3/2002  | 11         | 1.0                       | 10.0               |
| 12/4/2002  | 11         | 1.0                       | 10.0               |
| 12/5/2002  | 11         | 1.1                       | 9.9                |
| 12/6/2002  | 15         | 5.0                       | 10.0               |
| 12/7/2002  | 14         | 3.9                       | 10.1               |
| 12/8/2002  | 13         | 2.9                       | 10.1               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/20/2002 | 31         | 0.0                       | 31.0               |
| 10/21/2002 | 28         | 0.0                       | 28.0               |
| 10/22/2002 | 42         | 13.5                      | 28.5               |
| 10/23/2002 | 43         | 13.9                      | 29.1               |
| 10/24/2002 | 40         | 10.7                      | 29.3               |
| 10/25/2002 | 36         | 6.7                       | 29.3               |
| 10/26/2002 | 35         | 5.8                       | 29.2               |
| 10/27/2002 | 34         | 5.0                       | 29.0               |
| 10/28/2002 | 33         | 4.3                       | 28.7               |
| 10/29/2002 | 50         | 20.2                      | 29.8               |
| 10/30/2002 | 53         | 22.0                      | 31.0               |
| 10/31/2002 | 54         | 21.9                      | 32.1               |
| 11/1/2002  | 42         | 9.8                       | 32.2               |
| 11/2/2002  | 40         | 7.8                       | 32.2               |
| 11/3/2002  | 33         | 1.3                       | 31.7               |
| 11/4/2002  | 34         | 2.7                       | 31.3               |
| 11/5/2002  | 53         | 20.7                      | 32.3               |
| 11/6/2002  | 51         | 17.9                      | 33.1               |
| 11/7/2002  | 38         | 5.2                       | 32.8               |
| 11/8/2002  | 36         | 3.5                       | 32.5               |
| 11/9/2002  | 35         | 3.0                       | 32.0               |
| 11/10/2002 | 33         | 1.5                       | 31.5               |
| 11/11/2002 | 32         | 1.0                       | 31.0               |
| 11/12/2002 | 36         | 5.2                       | 30.8               |
| 11/13/2002 | 39         | 8.2                       | 30.8               |
| 11/14/2002 | 49         | 17.4                      | 31.6               |
| 11/15/2002 | 48         | 15.8                      | 32.2               |
| 11/16/2002 | 55         | 21.7                      | 33.3               |
| 11/17/2002 | 101        | 63.3                      | 37.7               |
| 11/18/2002 | 82         | 41.7                      | 40.3               |
| 11/19/2002 | 67         | 25.5                      | 41.5               |
| 11/20/2002 | 58         | 16.0                      | 42.0               |
| 11/21/2002 | 57         | 14.7                      | 42.3               |
| 11/22/2002 | 54         | 11.6                      | 42.4               |
| 11/23/2002 | 52         | 9.7                       | 42.3               |
| 11/24/2002 | 48         | 6.0                       | 42.0               |
| 11/25/2002 | 44         | 2.7                       | 41.3               |
| 11/26/2002 | 42         | 1.4                       | 40.6               |
| 11/27/2002 | 31         | 0.0                       | 31.0               |
| 11/28/2002 | 31         | 0.6                       | 30.4               |
| 11/29/2002 | 30         | 0.2                       | 29.8               |
| 11/30/2002 | 29         | 0.0                       | 29.0               |
| 12/1/2002  | 31         | 2.4                       | 28.6               |
| 12/2/2002  | 37         | 8.3                       | 28.7               |
| 12/3/2002  | 55         | 24.9                      | 30.1               |
| 12/4/2002  | 53         | 21.7                      | 31.3               |
| 12/5/2002  | 52         | 19.8                      | 32.2               |
| 12/6/2002  | 59         | 25.4                      | 33.6               |
| 12/7/2002  | 60         | 25.1                      | 34.9               |
| 12/8/2002  | 56         | 20.2                      | 35.8               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/9/2002  | 44.11      | 34.2                      | 9.9                |
| 12/10/2002 | 184.08     | 161.4                     | 22.6               |
| 12/11/2002 | 53.84      | 29.3                      | 24.5               |
| 12/12/2002 | 38.62      | 13.5                      | 25.1               |
| 12/13/2002 | 41.08      | 15.2                      | 25.8               |
| 12/14/2002 | 39.93      | 13.5                      | 26.4               |
| 12/15/2002 | 33.47      | 7.0                       | 26.4               |
| 12/16/2002 | 28.96      | 2.8                       | 26.1               |
| 12/17/2002 | 25.62      | 0.0                       | 25.6               |
| 12/18/2002 | 23.18      | 0.0                       | 23.2               |
| 12/19/2002 | 21.55      | 0.0                       | 21.6               |
| 12/20/2002 | 24.33      | 3.0                       | 21.4               |
| 12/21/2002 | 26.86      | 5.5                       | 21.4               |
| 12/22/2002 | 22.93      | 1.8                       | 21.1               |
| 12/23/2002 | 20.38      | 0.0                       | 20.4               |
| 12/24/2002 | 21.74      | 1.6                       | 20.1               |
| 12/25/2002 | 35.63      | 14.7                      | 20.9               |
| 12/26/2002 | 23.71      | 3.0                       | 20.7               |
| 12/27/2002 | 20.19      | 0.0                       | 20.2               |
| 12/28/2002 | 19.14      | 0.0                       | 19.1               |
| 12/29/2002 | 18.5       | 0.0                       | 18.5               |
| 12/30/2002 | 18.11      | 0.0                       | 18.1               |
| 12/31/2002 | 19.34      | 1.5                       | 17.9               |
| 1/1/2003   | 39.17      | 20.1                      | 19.1               |
| 1/2/2003   | 34.58      | 14.7                      | 19.9               |
| 1/3/2003   | 25.15      | 5.2                       | 19.9               |
| 1/4/2003   | 21.97      | 2.3                       | 19.7               |
| 1/5/2003   | 19.23      | 0.0                       | 19.2               |
| 1/6/2003   | 15.3       | 0.0                       | 15.3               |
| 1/7/2003   | 14.32      | 0.0                       | 14.3               |
| 1/8/2003   | 13.81      | 0.0                       | 13.8               |
| 1/9/2003   | 14.59      | 1.0                       | 13.6               |
| 1/10/2003  | 13.13      | 0.0                       | 13.1               |
| 1/11/2003  | 12.92      | 0.0                       | 12.9               |
| 1/12/2003  | 12.69      | 0.1                       | 12.6               |
| 1/13/2003  | 12.41      | 0.0                       | 12.4               |
| 1/14/2003  | 12.01      | 0.0                       | 12.0               |
| 1/15/2003  | 11.29      | 0.0                       | 11.3               |
| 1/16/2003  | 11.3       | 0.2                       | 11.1               |
| 1/17/2003  | 11.45      | 0.5                       | 10.9               |
| 1/18/2003  | 10.91      | 0.2                       | 10.7               |
| 1/19/2003  | 10.77      | 0.3                       | 10.5               |
| 1/20/2003  | 11.58      | 1.2                       | 10.4               |
| 1/21/2003  | 11.81      | 1.5                       | 10.3               |
| 1/22/2003  | 11.49      | 1.3                       | 10.2               |
| 1/23/2003  | 10.56      | 0.5                       | 10.0               |
| 1/24/2003  | 10.59      | 0.7                       | 9.9                |
| 1/25/2003  | 9.87       | 0.2                       | 9.7                |
| 1/26/2003  | 9.7        | 0.2                       | 9.5                |
| 1/27/2003  | 9.3        | 0.0                       | 9.3                |

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/9/2002  | 96         | 61.6                      | 34.4               |
| 12/10/2002 | 285        | 217.2                     | 67.8               |
| 12/11/2002 | 267        | 174.1                     | 92.9               |
| 12/12/2002 | 166        | 66.2                      | 99.8               |
| 12/13/2002 | 148        | 45.0                      | 103.0              |
| 12/14/2002 | 151        | 44.9                      | 106.1              |
| 12/15/2002 | 132        | 26.0                      | 106.0              |
| 12/16/2002 | 111        | 8.0                       | 103.0              |
| 12/17/2002 | 91         | 0.0                       | 91.0               |
| 12/18/2002 | 74         | 0.0                       | 74.0               |
| 12/19/2002 | 63         | 0.0                       | 63.0               |
| 12/20/2002 | 94         | 28.9                      | 65.1               |
| 12/21/2002 | 145        | 71.1                      | 73.9               |
| 12/22/2002 | 137        | 57.0                      | 80.0               |
| 12/23/2002 | 111        | 29.5                      | 81.5               |
| 12/24/2002 | 96         | 15.3                      | 80.7               |
| 12/25/2002 | 102        | 21.1                      | 80.9               |
| 12/26/2002 | 105        | 23.6                      | 81.4               |
| 12/27/2002 | 94         | 13.7                      | 80.3               |
| 12/28/2002 | 84         | 5.9                       | 78.1               |
| 12/29/2002 | 77         | 1.8                       | 75.2               |
| 12/30/2002 | 72         | 0.0                       | 72.0               |
| 12/31/2002 | 78         | 7.7                       | 70.3               |
| 1/1/2003   | 144        | 65.9                      | 78.1               |
| 1/2/2003   | 199        | 106.9                     | 92.1               |
| 1/3/2003   | 175        | 74.7                      | 100.3              |
| 1/4/2003   | 137        | 35.1                      | 101.9              |
| 1/5/2003   | 109        | 9.6                       | 99.4               |
| 1/6/2003   | 89         | 0.0                       | 89.0               |
| 1/7/2003   | 75         | 0.0                       | 75.0               |
| 1/8/2003   | 69         | 0.0                       | 69.0               |
| 1/9/2003   | 67         | 0.7                       | 66.3               |
| 1/10/2003  | 64         | 0.3                       | 63.7               |
| 1/11/2003  | 61         | 0.0                       | 61.0               |
| 1/12/2003  | 56         | 0.0                       | 56.0               |
| 1/13/2003  | 53         | 0.0                       | 53.0               |
| 1/14/2003  | 52         | 1.0                       | 51.0               |
| 1/15/2003  | 48         | 0.0                       | 48.0               |
| 1/16/2003  | 44         | 0.0                       | 44.0               |
| 1/17/2003  | 43         | 0.7                       | 42.3               |
| 1/18/2003  | 41         | 0.3                       | 40.7               |
| 1/19/2003  | 43         | 3.4                       | 39.6               |
| 1/20/2003  | 47         | 7.7                       | 39.3               |
| 1/21/2003  | 48         | 8.9                       | 39.1               |
| 1/22/2003  | 43         | 4.7                       | 38.3               |
| 1/23/2003  | 39         | 1.9                       | 37.1               |
| 1/24/2003  | 37         | 1.2                       | 35.8               |
| 1/25/2003  | 50         | 13.5                      | 36.5               |
| 1/26/2003  | 59         | 20.6                      | 38.4               |
| 1/27/2003  | 52         | 13.1                      | 38.9               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/9/2002  | 56         | 44.3                      | 11.7               |
| 12/10/2002 | 329        | 305.2                     | 23.8               |
| 12/11/2002 | 211        | 180.2                     | 30.8               |
| 12/12/2002 | 143        | 108.2                     | 34.8               |
| 12/13/2002 | 129        | 90.9                      | 38.1               |
| 12/14/2002 | 130        | 88.7                      | 41.3               |
| 12/15/2002 | 96         | 53.0                      | 43.0               |
| 12/16/2002 | 75         | 31.2                      | 43.8               |
| 12/17/2002 | 62         | 17.9                      | 44.1               |
| 12/18/2002 | 56         | 11.9                      | 44.1               |
| 12/19/2002 | 51         | 7.0                       | 44.0               |
| 12/20/2002 | 53         | 9.1                       | 43.9               |
| 12/21/2002 | 59         | 15.0                      | 44.0               |
| 12/22/2002 | 54         | 10.0                      | 44.0               |
| 12/23/2002 | 49         | 5.2                       | 43.8               |
| 12/24/2002 | 47         | 3.5                       | 43.5               |
| 12/25/2002 | 72         | 27.8                      | 44.2               |
| 12/26/2002 | 85         | 39.7                      | 45.3               |
| 12/27/2002 | 73         | 27.1                      | 45.9               |
| 12/28/2002 | 64         | 17.8                      | 46.2               |
| 12/29/2002 | 56         | 9.9                       | 46.1               |
| 12/30/2002 | 50         | 4.2                       | 45.8               |
| 12/31/2002 | 48         | 2.5                       | 45.5               |
| 1/1/2003   | 145        | 96.1                      | 48.9               |
| 1/2/2003   | 180        | 126.6                     | 53.4               |
| 1/3/2003   | 144        | 87.6                      | 56.4               |
| 1/4/2003   | 110        | 52.1                      | 57.9               |
| 1/5/2003   | 88         | 29.5                      | 58.5               |
| 1/6/2003   | 75         | 16.4                      | 58.6               |
| 1/7/2003   | 65         | 6.7                       | 58.3               |
| 1/8/2003   | 57         | 0.0                       | 57.0               |
| 1/9/2003   | 52         | 0.0                       | 52.0               |
| 1/10/2003  | 49         | 0.0                       | 49.0               |
| 1/11/2003  | 46         | 0.0                       | 46.0               |
| 1/12/2003  | 44         | 0.0                       | 44.0               |
| 1/13/2003  | 40         | 0.0                       | 40.0               |
| 1/14/2003  | 37         | 0.0                       | 37.0               |
| 1/15/2003  | 34         | 0.0                       | 34.0               |
| 1/16/2003  | 33         | 0.0                       | 33.0               |
| 1/17/2003  | 33         | 0.3                       | 32.7               |
| 1/18/2003  | 34         | 1.6                       | 32.4               |
| 1/19/2003  | 32         | 0.0                       | 32.0               |
| 1/20/2003  | 31         | 0.0                       | 31.0               |
| 1/21/2003  | 29         | 0.0                       | 29.0               |
| 1/22/2003  | 29         | 0.3                       | 28.7               |
| 1/23/2003  | 28         | 0.0                       | 28.0               |
| 1/24/2003  | 27         | 0.0                       | 27.0               |
| 1/25/2003  | 27         | 0.3                       | 26.7               |
| 1/26/2003  | 29         | 2.4                       | 26.6               |
| 1/27/2003  | 31         | 4.5                       | 26.5               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/9/2002  | 67         | 29.5                      | 37.5               |
| 12/10/2002 | 226        | 175.2                     | 50.8               |
| 12/11/2002 | 173        | 114.1                     | 58.9               |
| 12/12/2002 | 128        | 65.1                      | 62.9               |
| 12/13/2002 | 145        | 77.2                      | 67.8               |
| 12/14/2002 | 176        | 101.4                     | 74.6               |
| 12/15/2002 | 105        | 29.5                      | 75.5               |
| 12/16/2002 | 86         | 11.2                      | 74.8               |
| 12/17/2002 | 81         | 7.1                       | 73.9               |
| 12/18/2002 | 79         | 6.1                       | 72.9               |
| 12/19/2002 | 80         | 7.9                       | 72.1               |
| 12/20/2002 | 103        | 30.0                      | 73.0               |
| 12/21/2002 | 186        | 105.9                     | 80.1               |
| 12/22/2002 | 100        | 19.9                      | 80.1               |
| 12/23/2002 | 87         | 7.9                       | 79.1               |
| 12/24/2002 | 86         | 7.9                       | 78.1               |
| 12/25/2002 | 104        | 25.4                      | 78.6               |
| 12/26/2002 | 102        | 23.1                      | 78.9               |
| 12/27/2002 | 92         | 13.6                      | 78.4               |
| 12/28/2002 | 87         | 9.4                       | 77.6               |
| 12/29/2002 | 73         | 0.0                       | 73.0               |
| 12/30/2002 | 79         | 6.9                       | 72.1               |
| 12/31/2002 | 99         | 26.2                      | 72.8               |
| 1/1/2003   | 206        | 124.7                     | 81.3               |
| 1/2/2003   | 197        | 108.7                     | 88.3               |
| 1/3/2003   | 109        | 20.8                      | 88.2               |
| 1/4/2003   | 85         | 0.0                       | 85.0               |
| 1/5/2003   | 87         | 3.4                       | 83.6               |
| 1/6/2003   | 84         | 1.9                       | 82.1               |
| 1/7/2003   | 69         | 0.0                       | 69.0               |
| 1/8/2003   | 71         | 3.1                       | 67.9               |
| 1/9/2003   | 98         | 29.2                      | 68.8               |
| 1/10/2003  | 122        | 50.5                      | 71.5               |
| 1/11/2003  | 69         | 0.0                       | 69.0               |
| 1/12/2003  | 63         | 0.0                       | 63.0               |
| 1/13/2003  | 61         | 0.0                       | 61.0               |
| 1/14/2003  | 50         | 0.0                       | 50.0               |
| 1/15/2003  | 48         | 0.0                       | 48.0               |
| 1/16/2003  | 41         | 0.0                       | 41.0               |
| 1/17/2003  | 43         | 2.6                       | 40.4               |
| 1/18/2003  | 50         | 9.6                       | 40.4               |
| 1/19/2003  | 54         | 13.4                      | 40.6               |
| 1/20/2003  | 58         | 16.8                      | 41.2               |
| 1/21/2003  | 57         | 15.4                      | 41.6               |
| 1/22/2003  | 48         | 6.7                       | 41.3               |
| 1/23/2003  | 48         | 7.0                       | 41.0               |
| 1/24/2003  | 49         | 8.2                       | 40.8               |
| 1/25/2003  | 80         | 37.0                      | 43.0               |
| 1/26/2003  | 133        | 84.1                      | 48.9               |
| 1/27/2003  | 82         | 31.6                      | 50.4               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/28/2003 | 9.05       | 0.0                       | 9.1                |
| 1/29/2003 | 9          | 0.1                       | 8.9                |
| 1/30/2003 | 9.1        | 0.4                       | 8.7                |
| 1/31/2003 | 8.64       | 0.1                       | 8.6                |
| 2/1/2003  | 8.6        | 0.2                       | 8.4                |
| 2/2/2003  | 8.28       | 0.0                       | 8.2                |
| 2/3/2003  | 8.17       | 0.1                       | 8.1                |
| 2/4/2003  | 8.42       | 0.5                       | 8.0                |
| 2/5/2003  | 8.79       | 0.9                       | 7.9                |
| 2/6/2003  | 8.5        | 0.7                       | 7.8                |
| 2/7/2003  | 8.46       | 0.8                       | 7.7                |
| 2/8/2003  | 8.28       | 0.7                       | 7.6                |
| 2/9/2003  | 7.97       | 0.5                       | 7.5                |
| 2/10/2003 | 9.4        | 1.9                       | 7.5                |
| 2/11/2003 | 8.86       | 1.4                       | 7.4                |
| 2/12/2003 | 7.94       | 0.6                       | 7.3                |
| 2/13/2003 | 7.42       | 0.2                       | 7.2                |
| 2/14/2003 | 7.08       | 0.0                       | 7.1                |
| 2/15/2003 | 7.23       | 0.3                       | 6.9                |
| 2/16/2003 | 7.32       | 0.5                       | 6.8                |
| 2/17/2003 | 7.6        | 0.8                       | 6.8                |
| 2/18/2003 | 7.1        | 0.4                       | 6.7                |
| 2/19/2003 | 7.14       | 0.6                       | 6.6                |
| 2/20/2003 | 7.16       | 0.7                       | 6.5                |
| 2/21/2003 | 7.84       | 1.4                       | 6.5                |
| 2/22/2003 | 7.78       | 1.3                       | 6.5                |
| 2/23/2003 | 7.72       | 1.3                       | 6.4                |
| 2/24/2003 | 7.37       | 1.0                       | 6.4                |
| 2/25/2003 | 7.25       | 0.9                       | 6.3                |
| 2/26/2003 | 7.41       | 1.1                       | 6.3                |
| 2/27/2003 | 7.25       | 1.0                       | 6.2                |
| 2/28/2003 | 7.24       | 1.0                       | 6.2                |
| 3/1/2003  | 10.78      | 4.4                       | 6.4                |
| 3/2/2003  | 8.43       | 2.0                       | 6.5                |
| 3/3/2003  | 5.45       | 0.0                       | 5.5                |
| 3/4/2003  | 6.69       | 1.2                       | 5.4                |
| 3/5/2003  | 9.69       | 4.0                       | 5.7                |
| 3/6/2003  | 9.85       | 3.8                       | 5.8                |
| 3/7/2003  | 9.89       | 3.9                       | 6.0                |
| 3/8/2003  | 9.63       | 3.4                       | 6.2                |
| 3/9/2003  | 10.72      | 4.3                       | 6.4                |
| 3/10/2003 | 11.84      | 5.1                       | 6.7                |
| 3/11/2003 | 10.01      | 3.2                       | 6.8                |
| 3/12/2003 | 9.58       | 2.7                       | 6.9                |
| 3/13/2003 | 9.42       | 2.5                       | 7.0                |
| 3/14/2003 | 9.01       | 2.0                       | 7.0                |
| 3/15/2003 | 9.14       | 2.1                       | 7.0                |
| 3/16/2003 | 10.26      | 3.1                       | 7.1                |
| 3/17/2003 | 13.88      | 6.4                       | 7.5                |
| 3/18/2003 | 13.42      | 5.6                       | 7.8                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/28/2003 | 47         | 8.3                       | 38.7               |
| 1/29/2003 | 43         | 5.1                       | 38.0               |
| 1/30/2003 | 42         | 4.8                       | 37.2               |
| 1/31/2003 | 42         | 5.4                       | 36.6               |
| 2/1/2003  | 44         | 7.7                       | 36.3               |
| 2/2/2003  | 45         | 8.7                       | 36.3               |
| 2/3/2003  | 42         | 6.2                       | 35.8               |
| 2/4/2003  | 40         | 4.8                       | 35.2               |
| 2/5/2003  | 39         | 4.5                       | 34.5               |
| 2/6/2003  | 37         | 3.4                       | 33.6               |
| 2/7/2003  | 35         | 2.3                       | 32.7               |
| 2/8/2003  | 34         | 2.3                       | 31.7               |
| 2/9/2003  | 35         | 3.9                       | 31.1               |
| 2/10/2003 | 36         | 5.3                       | 30.7               |
| 2/11/2003 | 37         | 6.5                       | 30.5               |
| 2/12/2003 | 38         | 7.5                       | 30.5               |
| 2/13/2003 | 36         | 5.8                       | 30.2               |
| 2/14/2003 | 34         | 4.3                       | 29.7               |
| 2/15/2003 | 35         | 5.6                       | 29.4               |
| 2/16/2003 | 37         | 7.6                       | 29.4               |
| 2/17/2003 | 39         | 9.3                       | 29.7               |
| 2/18/2003 | 37         | 7.3                       | 29.7               |
| 2/19/2003 | 34         | 4.7                       | 29.3               |
| 2/20/2003 | 34         | 5.1                       | 28.9               |
| 2/21/2003 | 36         | 7.1                       | 28.9               |
| 2/22/2003 | 36         | 7.1                       | 28.9               |
| 2/23/2003 | 38         | 8.9                       | 29.1               |
| 2/24/2003 | 39         | 9.5                       | 29.5               |
| 2/25/2003 | 38         | 8.3                       | 29.7               |
| 2/26/2003 | 34         | 4.8                       | 29.2               |
| 2/27/2003 | 31         | 2.5                       | 28.5               |
| 2/28/2003 | 27         | 0.0                       | 27.0               |
| 3/1/2003  | 32         | 5.2                       | 26.8               |
| 3/2/2003  | 47         | 18.4                      | 28.6               |
| 3/3/2003  | 48         | 17.7                      | 30.3               |
| 3/4/2003  | 44         | 12.8                      | 31.2               |
| 3/5/2003  | 42         | 10.4                      | 31.6               |
| 3/6/2003  | 39         | 7.5                       | 31.5               |
| 3/7/2003  | 37         | 5.8                       | 31.2               |
| 3/8/2003  | 35         | 4.4                       | 30.6               |
| 3/9/2003  | 36         | 5.7                       | 30.3               |
| 3/10/2003 | 41         | 10.3                      | 30.7               |
| 3/11/2003 | 46         | 14.2                      | 31.8               |
| 3/12/2003 | 44         | 11.6                      | 32.4               |
| 3/13/2003 | 40         | 7.7                       | 32.3               |
| 3/14/2003 | 35         | 3.4                       | 31.6               |
| 3/15/2003 | 33         | 2.3                       | 30.7               |
| 3/16/2003 | 34         | 3.9                       | 30.1               |
| 3/17/2003 | 46         | 14.8                      | 31.2               |
| 3/18/2003 | 57         | 23.3                      | 33.7               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/28/2003 | 26         | 0.0                       | 26.0               |
| 1/29/2003 | 26         | 0.3                       | 25.8               |
| 1/30/2003 | 25         | 0.0                       | 25.0               |
| 1/31/2003 | 25         | 0.2                       | 24.8               |
| 2/1/2003  | 25         | 0.5                       | 24.5               |
| 2/2/2003  | 27         | 2.6                       | 24.4               |
| 2/3/2003  | 25         | 0.8                       | 24.2               |
| 2/4/2003  | 23         | 0.0                       | 23.0               |
| 2/5/2003  | 22         | 0.0                       | 22.0               |
| 2/6/2003  | 22         | 0.2                       | 21.8               |
| 2/7/2003  | 22         | 0.4                       | 21.6               |
| 2/8/2003  | 21         | 0.0                       | 21.0               |
| 2/9/2003  | 21         | 0.2                       | 20.8               |
| 2/10/2003 | 22         | 1.4                       | 20.6               |
| 2/11/2003 | 23         | 2.5                       | 20.5               |
| 2/12/2003 | 21         | 0.6                       | 20.4               |
| 2/13/2003 | 20         | 0.0                       | 20.0               |
| 2/14/2003 | 20         | 0.2                       | 19.8               |
| 2/15/2003 | 25         | 5.2                       | 19.8               |
| 2/16/2003 | 22         | 2.3                       | 19.7               |
| 2/17/2003 | 25         | 5.3                       | 19.7               |
| 2/18/2003 | 26         | 6.2                       | 19.8               |
| 2/19/2003 | 21         | 1.4                       | 19.6               |
| 2/20/2003 | 20         | 0.5                       | 19.5               |
| 2/21/2003 | 19         | 0.0                       | 19.0               |
| 2/22/2003 | 18         | 0.0                       | 18.0               |
| 2/23/2003 | 21         | 3.1                       | 17.9               |
| 2/24/2003 | 19         | 1.2                       | 17.8               |
| 2/25/2003 | 18         | 0.4                       | 17.6               |
| 2/26/2003 | 18         | 0.5                       | 17.5               |
| 2/27/2003 | 18         | 0.7                       | 17.3               |
| 2/28/2003 | 26         | 8.5                       | 17.5               |
| 3/1/2003  | 25         | 7.4                       | 17.6               |
| 3/2/2003  | 21         | 3.4                       | 17.6               |
| 3/3/2003  | 21         | 3.4                       | 17.6               |
| 3/4/2003  | 19         | 1.6                       | 17.4               |
| 3/5/2003  | 20         | 2.6                       | 17.4               |
| 3/6/2003  | 19         | 1.7                       | 17.3               |
| 3/7/2003  | 18         | 0.9                       | 17.1               |
| 3/8/2003  | 17         | 0.0                       | 17.0               |
| 3/9/2003  | 17         | 0.2                       | 16.8               |
| 3/10/2003 | 19         | 2.3                       | 16.7               |
| 3/11/2003 | 17         | 0.4                       | 16.6               |
| 3/12/2003 | 16         | 0.0                       | 16.0               |
| 3/13/2003 | 15         | 0.0                       | 15.0               |
| 3/14/2003 | 15         | 0.1                       | 14.9               |
| 3/15/2003 | 16         | 1.2                       | 14.8               |
| 3/16/2003 | 15         | 0.4                       | 14.6               |
| 3/17/2003 | 24         | 9.2                       | 14.8               |
| 3/18/2003 | 26         | 10.9                      | 15.1               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/28/2003 | 58         | 8.0                       | 50.0               |
| 1/29/2003 | 59         | 9.2                       | 49.8               |
| 1/30/2003 | 55         | 5.8                       | 49.2               |
| 1/31/2003 | 67         | 17.4                      | 49.6               |
| 2/1/2003  | 65         | 15.1                      | 49.9               |
| 2/2/2003  | 62         | 12.2                      | 49.8               |
| 2/3/2003  | 62         | 12.2                      | 49.8               |
| 2/4/2003  | 51         | 2.0                       | 49.0               |
| 2/5/2003  | 48         | 0.0                       | 48.0               |
| 2/6/2003  | 48         | 0.9                       | 47.1               |
| 2/7/2003  | 52         | 5.4                       | 46.6               |
| 2/8/2003  | 49         | 3.1                       | 45.9               |
| 2/9/2003  | 46         | 0.9                       | 45.1               |
| 2/10/2003 | 46         | 1.7                       | 44.3               |
| 2/11/2003 | 45         | 1.5                       | 43.5               |
| 2/12/2003 | 50         | 6.8                       | 43.2               |
| 2/13/2003 | 48         | 5.2                       | 42.8               |
| 2/14/2003 | 47         | 4.7                       | 42.3               |
| 2/15/2003 | 47         | 5.1                       | 41.9               |
| 2/16/2003 | 48         | 6.5                       | 41.5               |
| 2/17/2003 | 53         | 11.4                      | 41.6               |
| 2/18/2003 | 45         | 3.9                       | 41.1               |
| 2/19/2003 | 41         | 0.7                       | 40.3               |
| 2/20/2003 | 41         | 1.4                       | 39.6               |
| 2/21/2003 | 41         | 2.0                       | 39.0               |
| 2/22/2003 | 40         | 1.7                       | 38.3               |
| 2/23/2003 | 41         | 3.2                       | 37.8               |
| 2/24/2003 | 39         | 1.8                       | 37.2               |
| 2/25/2003 | 39         | 2.3                       | 36.7               |
| 2/26/2003 | 41         | 4.7                       | 36.3               |
| 2/27/2003 | 46         | 9.6                       | 36.4               |
| 2/28/2003 | 42         | 5.9                       | 36.1               |
| 3/1/2003  | 43         | 7.1                       | 35.9               |
| 3/2/2003  | 43         | 7.2                       | 35.8               |
| 3/3/2003  | 47         | 11.0                      | 36.0               |
| 3/4/2003  | 46         | 10.0                      | 36.0               |
| 3/5/2003  | 51         | 14.5                      | 36.5               |
| 3/6/2003  | 41         | 4.9                       | 36.1               |
| 3/7/2003  | 38         | 2.4                       | 35.6               |
| 3/8/2003  | 47         | 11.2                      | 35.8               |
| 3/9/2003  | 51         | 14.7                      | 36.3               |
| 3/10/2003 | 59         | 21.7                      | 37.3               |
| 3/11/2003 | 56         | 18.0                      | 38.0               |
| 3/12/2003 | 56         | 17.4                      | 38.6               |
| 3/13/2003 | 69         | 28.9                      | 40.1               |
| 3/14/2003 | 54         | 13.6                      | 40.4               |
| 3/15/2003 | 53         | 12.4                      | 40.6               |
| 3/16/2003 | 53         | 12.2                      | 40.8               |
| 3/17/2003 | 70         | 27.8                      | 42.2               |
| 3/18/2003 | 96         | 50.6                      | 45.4               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/19/2003 | 12.44      | 4.5                       | 8.0                |
| 3/20/2003 | 12.82      | 4.6                       | 8.2                |
| 3/21/2003 | 14.4       | 5.9                       | 8.5                |
| 3/22/2003 | 11.52      | 2.9                       | 8.6                |
| 3/23/2003 | 11.41      | 2.8                       | 8.6                |
| 3/24/2003 | 15.59      | 6.6                       | 9.0                |
| 3/25/2003 | 11.84      | 2.8                       | 9.0                |
| 3/26/2003 | 10.57      | 1.6                       | 9.0                |
| 3/27/2003 | 11.45      | 2.5                       | 9.0                |
| 3/28/2003 | 10.93      | 2.0                       | 9.0                |
| 3/29/2003 | 11.02      | 2.1                       | 9.0                |
| 3/30/2003 | 10.87      | 1.9                       | 8.9                |
| 3/31/2003 | 10.45      | 1.6                       | 8.9                |
| 4/1/2003  | 9.66       | 0.9                       | 8.8                |
| 4/2/2003  | 9.41       | 0.8                       | 8.7                |
| 4/3/2003  | 9.2        | 0.7                       | 8.5                |
| 4/4/2003  | 9          | 0.6                       | 8.4                |
| 4/5/2003  | 8.81       | 0.5                       | 8.3                |
| 4/6/2003  | 8.63       | 0.5                       | 8.2                |
| 4/7/2003  | 8.45       | 0.4                       | 8.0                |
| 4/8/2003  | 8.29       | 0.4                       | 7.9                |
| 4/9/2003  | 8.13       | 0.4                       | 7.8                |
| 4/10/2003 | 7.99       | 0.3                       | 7.6                |
| 4/11/2003 | 7.85       | 0.3                       | 7.5                |
| 4/12/2003 | 7.71       | 0.3                       | 7.4                |
| 4/13/2003 | 7.58       | 0.3                       | 7.3                |
| 4/14/2003 | 7.45       | 0.3                       | 7.1                |
| 4/15/2003 | 7.33       | 0.3                       | 7.0                |
| 4/16/2003 | 7.24       | 0.3                       | 6.9                |
| 4/17/2003 | 6.91       | 0.1                       | 6.8                |
| 4/18/2003 | 8.88       | 2.1                       | 6.8                |
| 4/19/2003 | 8.65       | 1.8                       | 6.8                |
| 4/20/2003 | 8.59       | 1.8                       | 6.8                |
| 4/21/2003 | 8.23       | 1.4                       | 6.8                |
| 4/22/2003 | 9.17       | 2.3                       | 6.9                |
| 4/23/2003 | 8.1        | 1.3                       | 6.8                |
| 4/24/2003 | 7.33       | 0.6                       | 6.7                |
| 4/25/2003 | 8.36       | 1.6                       | 6.7                |
| 4/26/2003 | 15.29      | 8.1                       | 7.2                |
| 4/27/2003 | 9.09       | 1.8                       | 7.2                |
| 4/28/2003 | 8.58       | 1.4                       | 7.2                |
| 4/29/2003 | 7.27       | 0.2                       | 7.1                |
| 4/30/2003 | 7.74       | 0.7                       | 7.0                |
| 5/1/2003  | 12.65      | 5.4                       | 7.3                |
| 5/2/2003  | 12.6       | 5.1                       | 7.5                |
| 5/3/2003  | 9.57       | 2.0                       | 7.6                |
| 5/4/2003  | 9.22       | 1.7                       | 7.5                |
| 5/5/2003  | 9.05       | 1.5                       | 7.5                |
| 5/6/2003  | 8.21       | 0.8                       | 7.4                |
| 5/7/2003  | 8.89       | 1.5                       | 7.4                |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/19/2003 | 58         | 22.1                      | 35.9               |
| 3/20/2003 | 55         | 17.7                      | 37.3               |
| 3/21/2003 | 52         | 14.0                      | 38.0               |
| 3/22/2003 | 50         | 11.6                      | 38.4               |
| 3/23/2003 | 47         | 8.8                       | 38.2               |
| 3/24/2003 | 45         | 7.1                       | 37.9               |
| 3/25/2003 | 41         | 4.0                       | 37.0               |
| 3/26/2003 | 36         | 0.4                       | 35.6               |
| 3/27/2003 | 32         | 0.0                       | 32.0               |
| 3/28/2003 | 30         | 0.0                       | 30.0               |
| 3/29/2003 | 32         | 2.8                       | 29.2               |
| 3/30/2003 | 33         | 4.2                       | 28.8               |
| 3/31/2003 | 32         | 3.8                       | 28.2               |
| 4/1/2003  | 32         | 4.2                       | 27.8               |
| 4/2/2003  | 32         | 4.6                       | 27.4               |
| 4/3/2003  | 30         | 3.2                       | 26.8               |
| 4/4/2003  | 29         | 2.8                       | 26.2               |
| 4/5/2003  | 31         | 5.1                       | 25.9               |
| 4/6/2003  | 31         | 5.3                       | 25.7               |
| 4/7/2003  | 29         | 3.7                       | 25.3               |
| 4/8/2003  | 28         | 3.2                       | 24.8               |
| 4/9/2003  | 26         | 1.9                       | 24.1               |
| 4/10/2003 | 26         | 2.5                       | 23.5               |
| 4/11/2003 | 27         | 3.8                       | 23.2               |
| 4/12/2003 | 26         | 3.2                       | 22.8               |
| 4/13/2003 | 26         | 3.6                       | 22.4               |
| 4/14/2003 | 24         | 2.1                       | 21.9               |
| 4/15/2003 | 21         | 0.0                       | 21.0               |
| 4/16/2003 | 22         | 1.6                       | 20.4               |
| 4/17/2003 | 22         | 2.1                       | 19.9               |
| 4/18/2003 | 21         | 1.6                       | 19.4               |
| 4/19/2003 | 19         | 0.3                       | 18.7               |
| 4/20/2003 | 19         | 0.9                       | 18.1               |
| 4/21/2003 | 19         | 1.4                       | 17.6               |
| 4/22/2003 | 17         | 0.1                       | 16.9               |
| 4/23/2003 | 19         | 2.4                       | 16.6               |
| 4/24/2003 | 19         | 2.6                       | 16.4               |
| 4/25/2003 | 19         | 2.8                       | 16.2               |
| 4/26/2003 | 29         | 11.6                      | 17.4               |
| 4/27/2003 | 37         | 17.5                      | 19.5               |
| 4/28/2003 | 36         | 14.9                      | 21.1               |
| 4/29/2003 | 33         | 11.0                      | 22.0               |
| 4/30/2003 | 35         | 12.0                      | 23.0               |
| 5/1/2003  | 42         | 17.1                      | 24.9               |
| 5/2/2003  | 45         | 18.2                      | 26.8               |
| 5/3/2003  | 40         | 12.3                      | 27.7               |
| 5/4/2003  | 35         | 7.3                       | 27.7               |
| 5/5/2003  | 33         | 5.5                       | 27.5               |
| 5/6/2003  | 29         | 2.2                       | 26.8               |
| 5/7/2003  | 24         | 0.0                       | 24.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/19/2003 | 23         | 7.7                       | 15.3               |
| 3/20/2003 | 21         | 5.6                       | 15.4               |
| 3/21/2003 | 20         | 4.6                       | 15.4               |
| 3/22/2003 | 19         | 3.6                       | 15.4               |
| 3/23/2003 | 18         | 2.7                       | 15.3               |
| 3/24/2003 | 23         | 7.5                       | 15.5               |
| 3/25/2003 | 24         | 8.3                       | 15.7               |
| 3/26/2003 | 22         | 6.2                       | 15.8               |
| 3/27/2003 | 20         | 4.2                       | 15.8               |
| 3/28/2003 | 21         | 5.2                       | 15.8               |
| 3/29/2003 | 19         | 3.2                       | 15.8               |
| 3/30/2003 | 19         | 3.2                       | 15.8               |
| 3/31/2003 | 19         | 3.3                       | 15.7               |
| 4/1/2003  | 17         | 1.4                       | 15.6               |
| 4/2/2003  | 16         | 0.5                       | 15.5               |
| 4/3/2003  | 15         | 0.0                       | 15.0               |
| 4/4/2003  | 14         | 0.0                       | 14.0               |
| 4/5/2003  | 13         | 0.1                       | 13.9               |
| 4/6/2003  | 13         | 0.0                       | 13.0               |
| 4/7/2003  | 13         | 0.1                       | 12.9               |
| 4/8/2003  | 12         | 0.0                       | 12.0               |
| 4/9/2003  | 14         | 2.0                       | 12.0               |
| 4/10/2003 | 13         | 1.1                       | 11.9               |
| 4/11/2003 | 12         | 0.2                       | 11.8               |
| 4/12/2003 | 12         | 0.3                       | 11.7               |
| 4/13/2003 | 12         | 0.4                       | 11.6               |
| 4/14/2003 | 11         | 0.0                       | 11.0               |
| 4/15/2003 | 11         | 0.1                       | 10.9               |
| 4/16/2003 | 10         | 0.0                       | 10.0               |
| 4/17/2003 | 10         | 0.1                       | 9.9                |
| 4/18/2003 | 10         | 0.2                       | 9.8                |
| 4/19/2003 | 10         | 0.3                       | 9.7                |
| 4/20/2003 | 9.8        | 0.2                       | 9.6                |
| 4/21/2003 | 9.4        | 0.0                       | 9.4                |
| 4/22/2003 | 9.2        | 0.0                       | 9.2                |
| 4/23/2003 | 8.8        | 0.0                       | 8.8                |
| 4/24/2003 | 8.9        | 0.2                       | 8.7                |
| 4/25/2003 | 9.3        | 0.6                       | 8.7                |
| 4/26/2003 | 14         | 5.2                       | 8.8                |
| 4/27/2003 | 12         | 3.2                       | 8.8                |
| 4/28/2003 | 11         | 2.2                       | 8.8                |
| 4/29/2003 | 10         | 1.2                       | 8.8                |
| 4/30/2003 | 11         | 2.2                       | 8.8                |
| 5/1/2003  | 19         | 9.9                       | 9.1                |
| 5/2/2003  | 37         | 26.9                      | 10.7               |
| 5/3/2003  | 28         | 17.3                      | 10.7               |
| 5/4/2003  | 24         | 12.9                      | 11.1               |
| 5/5/2003  | 20         | 8.7                       | 11.3               |
| 5/6/2003  | 17         | 5.6                       | 11.4               |
| 5/7/2003  | 16         | 4.5                       | 11.5               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/19/2003 | 94         | 45.9                      | 48.1               |
| 3/20/2003 | 85         | 35.0                      | 50.0               |
| 3/21/2003 | 87         | 35.2                      | 51.8               |
| 3/22/2003 | 85         | 31.7                      | 53.3               |
| 3/23/2003 | 78         | 23.9                      | 54.1               |
| 3/24/2003 | 79         | 24.0                      | 55.0               |
| 3/25/2003 | 62         | 7.5                       | 54.5               |
| 3/26/2003 | 58         | 4.3                       | 53.7               |
| 3/27/2003 | 60         | 6.8                       | 53.2               |
| 3/28/2003 | 63         | 10.1                      | 52.9               |
| 3/29/2003 | 61         | 8.4                       | 52.6               |
| 3/30/2003 | 42         | 0.0                       | 42.0               |
| 3/31/2003 | 39         | 0.0                       | 39.0               |
| 4/1/2003  | 31         | 0.0                       | 31.0               |
| 4/2/2003  | 34         | 3.4                       | 30.6               |
| 4/3/2003  | 60         | 27.7                      | 32.3               |
| 4/4/2003  | 46         | 13.3                      | 32.7               |
| 4/5/2003  | 39         | 6.5                       | 32.5               |
| 4/6/2003  | 36         | 3.8                       | 32.2               |
| 4/7/2003  | 39         | 6.9                       | 32.1               |
| 4/8/2003  | 36         | 4.2                       | 31.8               |
| 4/9/2003  | 41         | 9.1                       | 31.9               |
| 4/10/2003 | 42         | 10.0                      | 32.0               |
| 4/11/2003 | 38         | 6.1                       | 31.9               |
| 4/12/2003 | 37         | 5.3                       | 31.7               |
| 4/13/2003 | 36         | 4.6                       | 31.4               |
| 4/14/2003 | 36         | 4.8                       | 31.2               |
| 4/15/2003 | 42         | 10.6                      | 31.4               |
| 4/16/2003 | 44         | 12.3                      | 31.7               |
| 4/17/2003 | 45         | 12.9                      | 32.1               |
| 4/18/2003 | 35         | 3.2                       | 31.8               |
| 4/19/2003 | 33         | 1.7                       | 31.3               |
| 4/20/2003 | 38         | 6.8                       | 31.2               |
| 4/21/2003 | 56         | 23.6                      | 32.4               |
| 4/22/2003 | 83         | 47.4                      | 35.6               |
| 4/23/2003 | 43         | 7.5                       | 35.5               |
| 4/24/2003 | 35         | 0.2                       | 34.8               |
| 4/25/2003 | 45         | 10.1                      | 34.9               |
| 4/26/2003 | 76         | 38.7                      | 37.3               |
| 4/27/2003 | 115        | 72.6                      | 42.4               |
| 4/28/2003 | 101        | 55.1                      | 45.9               |
| 4/29/2003 | 98         | 49.1                      | 48.9               |
| 4/30/2003 | 91         | 39.9                      | 51.1               |
| 5/1/2003  | 85         | 32.3                      | 52.7               |
| 5/2/2003  | 114        | 57.7                      | 56.3               |
| 5/3/2003  | 75         | 18.4                      | 56.6               |
| 5/4/2003  | 45         | 0.0                       | 45.0               |
| 5/5/2003  | 39         | 0.0                       | 39.0               |
| 5/6/2003  | 40         | 1.6                       | 38.4               |
| 5/7/2003  | 34         | 0.0                       | 34.0               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/8/2003  | 8.72       | 1.4                       | 7.4                |
| 5/9/2003  | 8.89       | 1.6                       | 7.3                |
| 5/10/2003 | 9.04       | 1.7                       | 7.3                |
| 5/11/2003 | 8.77       | 1.5                       | 7.3                |
| 5/12/2003 | 8.41       | 1.2                       | 7.2                |
| 5/13/2003 | 7.23       | 0.1                       | 7.1                |
| 5/14/2003 | 7.58       | 0.6                       | 7.0                |
| 5/15/2003 | 7.87       | 0.9                       | 6.9                |
| 5/16/2003 | 7.54       | 0.7                       | 6.9                |
| 5/17/2003 | 6.95       | 0.2                       | 6.7                |
| 5/18/2003 | 6.78       | 0.2                       | 6.6                |
| 5/19/2003 | 6.15       | 0.0                       | 6.2                |
| 5/20/2003 | 6.6        | 0.5                       | 6.1                |
| 5/21/2003 | 7.25       | 1.2                       | 6.0                |
| 5/22/2003 | 8.35       | 2.2                       | 6.1                |
| 5/23/2003 | 7.77       | 1.7                       | 6.1                |
| 5/24/2003 | 6.72       | 0.7                       | 6.0                |
| 5/25/2003 | 6.99       | 1.0                       | 6.0                |
| 5/26/2003 | 7.52       | 1.5                       | 6.0                |
| 5/27/2003 | 9.89       | 3.7                       | 6.2                |
| 5/28/2003 | 9.33       | 3.0                       | 6.3                |
| 5/29/2003 | 7.28       | 1.0                       | 6.3                |
| 5/30/2003 | 6.66       | 0.5                       | 6.2                |
| 5/31/2003 | 6.29       | 0.2                       | 6.1                |
| 6/1/2003  | 6.11       | 0.2                       | 6.0                |
| 6/2/2003  | 6.98       | 1.1                       | 5.9                |
| 6/3/2003  | 19.1       | 12.3                      | 6.8                |
| 6/4/2003  | 12.36      | 5.3                       | 7.1                |
| 6/5/2003  | 14.48      | 7.0                       | 7.5                |
| 6/6/2003  | 14.87      | 7.0                       | 7.9                |
| 6/7/2003  | 11.58      | 3.6                       | 8.0                |
| 6/8/2003  | 11.28      | 3.2                       | 8.1                |
| 6/9/2003  | 10.35      | 2.2                       | 8.1                |
| 6/10/2003 | 10.25      | 2.1                       | 8.1                |
| 6/11/2003 | 9.79       | 1.7                       | 8.1                |
| 6/12/2003 | 9.29       | 1.2                       | 8.0                |
| 6/13/2003 | 8.88       | 0.9                       | 8.0                |
| 6/14/2003 | 8.74       | 0.9                       | 7.9                |
| 6/15/2003 | 8.61       | 0.8                       | 7.8                |
| 6/16/2003 | 8.95       | 1.2                       | 7.7                |
| 6/17/2003 | 8.45       | 0.8                       | 7.6                |
| 6/18/2003 | 12.8       | 4.9                       | 7.9                |
| 6/19/2003 | 12.24      | 4.2                       | 8.1                |
| 6/20/2003 | 9.6        | 1.6                       | 8.0                |
| 6/21/2003 | 53.77      | 42.5                      | 11.3               |
| 6/22/2003 | 161.34     | 139.2                     | 22.2               |
| 6/23/2003 | 64.97      | 40.0                      | 24.9               |
| 6/24/2003 | 35.2       | 10.0                      | 25.2               |
| 6/25/2003 | 27.87      | 2.9                       | 25.0               |
| 6/26/2003 | 22.17      | 0.0                       | 22.2               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/8/2003  | 23         | 0.0                       | 23.0               |
| 5/9/2003  | 24         | 1.7                       | 22.3               |
| 5/10/2003 | 25         | 3.1                       | 21.9               |
| 5/11/2003 | 25         | 3.4                       | 21.6               |
| 5/12/2003 | 23         | 1.9                       | 21.1               |
| 5/13/2003 | 21         | 0.7                       | 20.3               |
| 5/14/2003 | 20         | 0.4                       | 19.6               |
| 5/15/2003 | 20         | 1.0                       | 19.0               |
| 5/16/2003 | 21         | 2.4                       | 18.6               |
| 5/17/2003 | 22         | 3.6                       | 18.4               |
| 5/18/2003 | 24         | 5.4                       | 18.6               |
| 5/19/2003 | 22         | 3.6                       | 18.4               |
| 5/20/2003 | 19         | 1.2                       | 17.8               |
| 5/21/2003 | 18         | 0.8                       | 17.2               |
| 5/22/2003 | 17         | 0.4                       | 16.6               |
| 5/23/2003 | 18         | 1.8                       | 16.2               |
| 5/24/2003 | 17         | 1.2                       | 15.8               |
| 5/25/2003 | 20         | 4.2                       | 15.8               |
| 5/26/2003 | 25         | 8.5                       | 16.5               |
| 5/27/2003 | 32         | 13.9                      | 18.1               |
| 5/28/2003 | 36         | 16.1                      | 19.9               |
| 5/29/2003 | 34         | 12.8                      | 21.2               |
| 5/30/2003 | 28         | 6.6                       | 21.4               |
| 5/31/2003 | 27         | 5.6                       | 21.4               |
| 6/1/2003  | 26         | 4.7                       | 21.3               |
| 6/2/2003  | 30         | 8.2                       | 21.8               |
| 6/3/2003  | 61         | 34.6                      | 26.4               |
| 6/4/2003  | 98         | 62.6                      | 35.4               |
| 6/5/2003  | 112        | 67.3                      | 44.7               |
| 6/6/2003  | 144        | 87.1                      | 56.9               |
| 6/7/2003  | 146        | 78.8                      | 67.2               |
| 6/8/2003  | 121        | 48.7                      | 72.3               |
| 6/9/2003  | 119        | 42.7                      | 76.3               |
| 6/10/2003 | 128        | 47.2                      | 80.8               |
| 6/11/2003 | 106        | 24.5                      | 81.5               |
| 6/12/2003 | 84         | 5.0                       | 79.0               |
| 6/13/2003 | 73         | 0.0                       | 73.0               |
| 6/14/2003 | 64         | 0.0                       | 64.0               |
| 6/15/2003 | 57         | 0.0                       | 57.0               |
| 6/16/2003 | 52         | 0.0                       | 52.0               |
| 6/17/2003 | 47         | 0.0                       | 47.0               |
| 6/18/2003 | 43         | 0.0                       | 43.0               |
| 6/19/2003 | 39         | 0.0                       | 39.0               |
| 6/20/2003 | 54         | 14.3                      | 39.7               |
| 6/21/2003 | 223        | 159.4                     | 63.6               |
| 6/22/2003 | 577        | 444.8                     | 132.2              |
| 6/23/2003 | 710        | 502.6                     | 207.4              |
| 6/24/2003 | 571        | 320.6                     | 250.4              |
| 6/25/2003 | 335        | 81.6                      | 253.4              |
| 6/26/2003 | 189        | 0.0                       | 189.0              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/8/2003  | 20         | 8.3                       | 11.7               |
| 5/9/2003  | 15         | 3.3                       | 11.7               |
| 5/10/2003 | 14         | 2.3                       | 11.7               |
| 5/11/2003 | 12         | 0.4                       | 11.6               |
| 5/12/2003 | 12         | 0.5                       | 11.5               |
| 5/13/2003 | 11         | 0.0                       | 11.0               |
| 5/14/2003 | 11         | 0.1                       | 10.9               |
| 5/15/2003 | 11         | 0.2                       | 10.8               |
| 5/16/2003 | 12         | 1.3                       | 10.7               |
| 5/17/2003 | 11         | 0.4                       | 10.6               |
| 5/18/2003 | 11         | 0.4                       | 10.6               |
| 5/19/2003 | 10         | 0.0                       | 10.0               |
| 5/20/2003 | 10         | 0.1                       | 9.9                |
| 5/21/2003 | 9.4        | 0.0                       | 9.4                |
| 5/22/2003 | 9.4        | 0.1                       | 9.3                |
| 5/23/2003 | 9.8        | 0.6                       | 9.2                |
| 5/24/2003 | 9.8        | 0.6                       | 9.2                |
| 5/25/2003 | 9.4        | 0.3                       | 9.1                |
| 5/26/2003 | 9.3        | 0.3                       | 9.0                |
| 5/27/2003 | 9.5        | 0.6                       | 8.9                |
| 5/28/2003 | 9.3        | 0.4                       | 8.9                |
| 5/29/2003 | 8.5        | 0.0                       | 8.5                |
| 5/30/2003 | 7.7        | 0.0                       | 7.7                |
| 5/31/2003 | 7.5        | 0.0                       | 7.5                |
| 6/1/2003  | 7.2        | 0.0                       | 7.2                |
| 6/2/2003  | 9.2        | 2.0                       | 7.2                |
| 6/3/2003  | 71         | 61.4                      | 9.6                |
| 6/4/2003  | 65         | 53.4                      | 11.6               |
| 6/5/2003  | 20         | 8.2                       | 11.8               |
| 6/6/2003  | 20         | 8.0                       | 12.0               |
| 6/7/2003  | 21         | 8.7                       | 12.3               |
| 6/8/2003  | 14         | 1.8                       | 12.2               |
| 6/9/2003  | 18         | 5.7                       | 12.3               |
| 6/10/2003 | 31         | 18.1                      | 12.9               |
| 6/11/2003 | 26         | 12.7                      | 13.3               |
| 6/12/2003 | 21         | 7.5                       | 13.5               |
| 6/13/2003 | 19         | 5.4                       | 13.6               |
| 6/14/2003 | 17         | 3.4                       | 13.6               |
| 6/15/2003 | 16         | 2.5                       | 13.5               |
| 6/16/2003 | 15         | 1.6                       | 13.4               |
| 6/17/2003 | 14         | 0.7                       | 13.3               |
| 6/18/2003 | 13         | 0.0                       | 13.0               |
| 6/19/2003 | 18         | 4.9                       | 13.1               |
| 6/20/2003 | 22         | 8.7                       | 13.3               |
| 6/21/2003 | 51         | 36.4                      | 14.6               |
| 6/22/2003 | 169        | 148.6                     | 20.4               |
| 6/23/2003 | 151        | 125.8                     | 25.2               |
| 6/24/2003 | 97         | 69.2                      | 27.8               |
| 6/25/2003 | 72         | 42.8                      | 29.2               |
| 6/26/2003 | 57         | 27.0                      | 30.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/8/2003  | 32         | 0.0                       | 32.0               |
| 5/9/2003  | 31         | 0.0                       | 31.0               |
| 5/10/2003 | 30         | 0.0                       | 30.0               |
| 5/11/2003 | 30         | 0.6                       | 29.4               |
| 5/12/2003 | 32         | 2.9                       | 29.1               |
| 5/13/2003 | 39         | 9.7                       | 29.3               |
| 5/14/2003 | 32         | 3.1                       | 28.9               |
| 5/15/2003 | 28         | 0.0                       | 28.0               |
| 5/16/2003 | 34         | 6.1                       | 27.9               |
| 5/17/2003 | 32         | 4.3                       | 27.7               |
| 5/18/2003 | 62         | 32.3                      | 29.7               |
| 5/19/2003 | 68         | 36.0                      | 32.0               |
| 5/20/2003 | 53         | 20.0                      | 33.0               |
| 5/21/2003 | 48         | 14.5                      | 33.5               |
| 5/22/2003 | 41         | 7.6                       | 33.4               |
| 5/23/2003 | 43         | 9.5                       | 33.5               |
| 5/24/2003 | 43         | 9.4                       | 33.6               |
| 5/25/2003 | 39         | 5.6                       | 33.4               |
| 5/26/2003 | 39         | 5.8                       | 33.2               |
| 5/27/2003 | 46         | 12.5                      | 33.5               |
| 5/28/2003 | 73         | 37.2                      | 35.8               |
| 5/29/2003 | 68         | 30.5                      | 37.5               |
| 5/30/2003 | 36         | 0.0                       | 36.0               |
| 5/31/2003 | 22         | 0.0                       | 22.0               |
| 6/1/2003  | 21         | 0.0                       | 21.0               |
| 6/2/2003  | 24         | 3.2                       | 20.8               |
| 6/3/2003  | 72         | 47.8                      | 24.2               |
| 6/4/2003  | 224        | 185.4                     | 38.6               |
| 6/5/2003  | 174        | 126.1                     | 47.9               |
| 6/6/2003  | 98         | 47.3                      | 50.7               |
| 6/7/2003  | 132        | 76.2                      | 55.8               |
| 6/8/2003  | 128        | 67.9                      | 60.1               |
| 6/9/2003  | 124        | 60.3                      | 63.7               |
| 6/10/2003 | 172        | 101.4                     | 70.6               |
| 6/11/2003 | 113        | 40.6                      | 72.4               |
| 6/12/2003 | 86         | 13.9                      | 72.1               |
| 6/13/2003 | 136        | 60.5                      | 75.5               |
| 6/14/2003 | 121        | 43.5                      | 77.5               |
| 6/15/2003 | 99         | 21.4                      | 77.6               |
| 6/16/2003 | 112        | 33.3                      | 78.7               |
| 6/17/2003 | 100        | 21.2                      | 78.8               |
| 6/18/2003 | 80         | 2.5                       | 77.5               |
| 6/19/2003 | 60         | 0.0                       | 60.0               |
| 6/20/2003 | 69         | 9.4                       | 59.6               |
| 6/21/2003 | 154        | 88.6                      | 65.4               |
| 6/22/2003 | 513        | 415.6                     | 97.4               |
| 6/23/2003 | 530        | 402.4                     | 127.6              |
| 6/24/2003 | 337        | 196.2                     | 140.8              |
| 6/25/2003 | 200        | 57.4                      | 142.6              |
| 6/26/2003 | 123        | 0.0                       | 123.0              |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/27/2003 | 19.68      | 0.0                       | 19.7               |
| 6/28/2003 | 23.1       | 3.5                       | 19.6               |
| 6/29/2003 | 20.64      | 1.4                       | 19.3               |
| 6/30/2003 | 17.68      | 0.0                       | 17.7               |
| 7/1/2003  | 22.92      | 5.2                       | 17.7               |
| 7/2/2003  | 24.47      | 6.6                       | 17.9               |
| 7/3/2003  | 22.57      | 4.6                       | 17.9               |
| 7/4/2003  | 19.97      | 2.2                       | 17.7               |
| 7/5/2003  | 17.28      | 0.0                       | 17.3               |
| 7/6/2003  | 15.97      | 0.0                       | 16.0               |
| 7/7/2003  | 14.96      | 0.0                       | 15.0               |
| 7/8/2003  | 14.83      | 0.2                       | 14.7               |
| 7/9/2003  | 9.26       | 0.0                       | 9.3                |
| 7/10/2003 | 0          | 0.0                       | 0.0                |
| 7/11/2003 | 4.73       | 4.4                       | 0.4                |
| 7/12/2003 | 13.06      | 11.8                      | 1.3                |
| 7/13/2003 | 12.78      | 10.7                      | 2.1                |
| 7/14/2003 | 12.56      | 9.7                       | 2.8                |
| 7/15/2003 | 14.58      | 10.9                      | 3.7                |
| 7/16/2003 | 14.84      | 10.4                      | 4.4                |
| 7/17/2003 | 13.66      | 8.6                       | 5.0                |
| 7/18/2003 | 13.02      | 7.5                       | 5.5                |
| 7/19/2003 | 16.53      | 10.3                      | 6.2                |
| 7/20/2003 | 16.94      | 10.0                      | 6.9                |
| 7/21/2003 | 35.51      | 26.6                      | 8.9                |
| 7/22/2003 | 47.31      | 35.7                      | 11.6               |
| 7/23/2003 | 59.8       | 44.9                      | 14.9               |
| 7/24/2003 | 88.23      | 68.1                      | 20.1               |
| 7/25/2003 | 29.17      | 8.8                       | 20.4               |
| 7/26/2003 | 24.64      | 4.3                       | 20.3               |
| 7/27/2003 | 21.3       | 1.3                       | 20.0               |
| 7/28/2003 | 22.03      | 2.2                       | 19.8               |
| 7/29/2003 | 22.8       | 3.1                       | 19.7               |
| 7/30/2003 | 18.71      | 0.0                       | 18.7               |
| 7/31/2003 | 17.5       | 0.0                       | 17.5               |
| 8/1/2003  | 16.58      | 0.0                       | 16.6               |
| 8/2/2003  | 16.04      | 0.0                       | 16.0               |
| 8/3/2003  | 17.85      | 2.0                       | 15.9               |
| 8/4/2003  | 16.31      | 0.7                       | 15.6               |
| 8/5/2003  | 21.63      | 5.9                       | 15.8               |
| 8/6/2003  | 51.24      | 33.1                      | 18.1               |
| 8/7/2003  | 52.64      | 32.3                      | 20.3               |
| 8/8/2003  | 50.73      | 28.5                      | 22.2               |
| 8/9/2003  | 47.32      | 23.7                      | 23.7               |
| 8/10/2003 | 43.24      | 18.6                      | 24.7               |
| 8/11/2003 | 43.2       | 17.6                      | 25.6               |
| 8/12/2003 | 37.09      | 11.1                      | 26.0               |
| 8/13/2003 | 27.39      | 1.8                       | 25.6               |
| 8/14/2003 | 42.58      | 16.2                      | 26.4               |
| 8/15/2003 | 35.54      | 9.0                       | 26.6               |

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/27/2003 | 142        | 0.0                       | 142.0              |
| 6/28/2003 | 122        | 0.0                       | 122.0              |
| 6/29/2003 | 106        | 0.0                       | 106.0              |
| 6/30/2003 | 89         | 0.0                       | 89.0               |
| 7/1/2003  | 79         | 0.0                       | 79.0               |
| 7/2/2003  | 83         | 6.2                       | 76.8               |
| 7/3/2003  | 89         | 13.1                      | 75.9               |
| 7/4/2003  | 85         | 10.5                      | 74.5               |
| 7/5/2003  | 70         | 0.0                       | 70.0               |
| 7/6/2003  | 59         | 0.0                       | 59.0               |
| 7/7/2003  | 50         | 0.0                       | 50.0               |
| 7/8/2003  | 45         | 0.0                       | 45.0               |
| 7/9/2003  | 43         | 0.0                       | 43.0               |
| 7/10/2003 | 40         | 0.0                       | 40.0               |
| 7/11/2003 | 38         | 0.0                       | 38.0               |
| 7/12/2003 | 37         | 0.4                       | 36.6               |
| 7/13/2003 | 37         | 1.6                       | 35.4               |
| 7/14/2003 | 36         | 1.8                       | 34.2               |
| 7/15/2003 | 41         | 7.0                       | 34.0               |
| 7/16/2003 | 57         | 21.0                      | 36.0               |
| 7/17/2003 | 89         | 46.9                      | 42.1               |
| 7/18/2003 | 97         | 48.8                      | 48.2               |
| 7/19/2003 | 82         | 30.8                      | 51.2               |
| 7/20/2003 | 66         | 14.5                      | 51.5               |
| 7/21/2003 | 54         | 4.0                       | 50.0               |
| 7/22/2003 | 46         | 0.0                       | 46.0               |
| 7/23/2003 | 42         | 0.0                       | 42.0               |
| 7/24/2003 | 40         | 0.0                       | 40.0               |
| 7/25/2003 | 45         | 5.7                       | 39.3               |
| 7/26/2003 | 57         | 16.6                      | 40.4               |
| 7/27/2003 | 54         | 13.1                      | 40.9               |
| 7/28/2003 | 46         | 5.8                       | 40.2               |
| 7/29/2003 | 41         | 2.1                       | 38.9               |
| 7/30/2003 | 39         | 1.4                       | 37.6               |
| 7/31/2003 | 39         | 2.5                       | 36.5               |
| 8/1/2003  | 39         | 3.4                       | 35.6               |
| 8/2/2003  | 42         | 6.8                       | 35.2               |
| 8/3/2003  | 43         | 7.9                       | 35.1               |
| 8/4/2003  | 43         | 8.0                       | 35.0               |
| 8/5/2003  | 41         | 6.4                       | 34.6               |
| 8/6/2003  | 42         | 7.6                       | 34.4               |
| 8/7/2003  | 74         | 35.3                      | 38.7               |
| 8/8/2003  | 140        | 88.7                      | 51.3               |
| 8/9/2003  | 260        | 181.7                     | 78.3               |
| 8/10/2003 | 518        | 381.7                     | 136.3              |
| 8/11/2003 | 507        | 324.3                     | 182.7              |
| 8/12/2003 | 335        | 137.6                     | 197.4              |
| 8/13/2003 | 231        | 35.8                      | 195.2              |
| 8/14/2003 | 320        | 114.3                     | 205.7              |
| 8/15/2003 | 495        | 256.5                     | 238.5              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/27/2003 | 48         | 17.6                      | 30.4               |
| 6/28/2003 | 42         | 11.5                      | 30.5               |
| 6/29/2003 | 42         | 11.3                      | 30.7               |
| 6/30/2003 | 41         | 10.2                      | 30.8               |
| 7/1/2003  | 36         | 5.3                       | 30.7               |
| 7/2/2003  | 33         | 2.5                       | 30.5               |
| 7/3/2003  | 42         | 11.4                      | 30.6               |
| 7/4/2003  | 53         | 21.8                      | 31.2               |
| 7/5/2003  | 45         | 13.6                      | 31.4               |
| 7/6/2003  | 37         | 5.7                       | 31.3               |
| 7/7/2003  | 30         | 0.0                       | 30.0               |
| 7/8/2003  | 27         | 0.0                       | 27.0               |
| 7/9/2003  | 32         | 5.1                       | 26.9               |
| 7/10/2003 | 28         | 1.3                       | 26.7               |
| 7/11/2003 | 24         | 0.0                       | 24.0               |
| 7/12/2003 | 21         | 0.0                       | 21.0               |
| 7/13/2003 | 19         | 0.0                       | 19.0               |
| 7/14/2003 | 23         | 4.0                       | 19.0               |
| 7/15/2003 | 26         | 6.9                       | 19.1               |
| 7/16/2003 | 31         | 11.7                      | 19.3               |
| 7/17/2003 | 36         | 16.2                      | 19.8               |
| 7/18/2003 | 37         | 16.7                      | 20.3               |
| 7/19/2003 | 31         | 10.5                      | 20.5               |
| 7/20/2003 | 27         | 6.5                       | 20.5               |
| 7/21/2003 | 24         | 3.5                       | 20.5               |
| 7/22/2003 | 22         | 1.7                       | 20.3               |
| 7/23/2003 | 21         | 0.8                       | 20.2               |
| 7/24/2003 | 20         | 0.0                       | 20.0               |
| 7/25/2003 | 19         | 0.0                       | 19.0               |
| 7/26/2003 | 21         | 2.1                       | 18.9               |
| 7/27/2003 | 20         | 1.2                       | 18.8               |
| 7/28/2003 | 19         | 0.4                       | 18.6               |
| 7/29/2003 | 18         | 0.0                       | 18.0               |
| 7/30/2003 | 16         | 0.0                       | 16.0               |
| 7/31/2003 | 16         | 0.2                       | 15.8               |
| 8/1/2003  | 17         | 1.3                       | 15.7               |
| 8/2/2003  | 17         | 1.4                       | 15.6               |
| 8/3/2003  | 19         | 3.4                       | 15.6               |
| 8/4/2003  | 20         | 4.4                       | 15.6               |
| 8/5/2003  | 22         | 6.3                       | 15.7               |
| 8/6/2003  | 22         | 6.2                       | 15.8               |
| 8/7/2003  | 27         | 10.9                      | 16.1               |
| 8/8/2003  | 39         | 22.2                      | 16.8               |
| 8/9/2003  | 62         | 43.6                      | 18.4               |
| 8/10/2003 | 136        | 113.3                     | 22.7               |
| 8/11/2003 | 157        | 129.3                     | 27.7               |
| 8/12/2003 | 175        | 141.9                     | 33.1               |
| 8/13/2003 | 159        | 121.4                     | 37.6               |
| 8/14/2003 | 174        | 131.5                     | 42.5               |
| 8/15/2003 | 183        | 135.5                     | 47.5               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/27/2003 | 108        | 0.0                       | 108.0              |
| 6/28/2003 | 115        | 8.5                       | 106.5              |
| 6/29/2003 | 134        | 27.4                      | 106.6              |
| 6/30/2003 | 90         | 0.0                       | 90.0               |
| 7/1/2003  | 88         | 0.0                       | 88.0               |
| 7/2/2003  | 110        | 22.0                      | 88.0               |
| 7/3/2003  | 111        | 22.9                      | 88.1               |
| 7/4/2003  | 107        | 19.2                      | 87.8               |
| 7/5/2003  | 79         | 0.0                       | 79.0               |
| 7/6/2003  | 67         | 0.0                       | 67.0               |
| 7/7/2003  | 61         | 0.0                       | 61.0               |
| 7/8/2003  | 59         | 0.0                       | 59.0               |
| 7/9/2003  | 60         | 2.0                       | 58.0               |
| 7/10/2003 | 46         | 0.0                       | 46.0               |
| 7/11/2003 | 45         | 0.0                       | 45.0               |
| 7/12/2003 | 62         | 16.6                      | 45.4               |
| 7/13/2003 | 77         | 30.1                      | 46.9               |
| 7/14/2003 | 107        | 56.5                      | 50.5               |
| 7/15/2003 | 113        | 58.8                      | 54.2               |
| 7/16/2003 | 108        | 50.8                      | 57.2               |
| 7/17/2003 | 150        | 87.0                      | 63.0               |
| 7/18/2003 | 143        | 75.2                      | 67.8               |
| 7/19/2003 | 102        | 33.0                      | 69.0               |
| 7/20/2003 | 82         | 13.3                      | 68.7               |
| 7/21/2003 | 74         | 6.2                       | 67.8               |
| 7/22/2003 | 59         | 0.0                       | 59.0               |
| 7/23/2003 | 48         | 0.0                       | 48.0               |
| 7/24/2003 | 44         | 0.0                       | 44.0               |
| 7/25/2003 | 71         | 25.8                      | 45.2               |
| 7/26/2003 | 103        | 54.4                      | 48.6               |
| 7/27/2003 | 95         | 43.8                      | 51.2               |
| 7/28/2003 | 86         | 33.2                      | 52.8               |
| 7/29/2003 | 65         | 12.3                      | 52.7               |
| 7/30/2003 | 108        | 52.2                      | 55.8               |
| 7/31/2003 | 186        | 121.6                     | 64.4               |
| 8/1/2003  | 129        | 61.0                      | 68.0               |
| 8/2/2003  | 117        | 46.6                      | 70.4               |
| 8/3/2003  | 124        | 50.9                      | 73.1               |
| 8/4/2003  | 121        | 45.7                      | 75.3               |
| 8/5/2003  | 259        | 171.5                     | 87.5               |
| 8/6/2003  | 203        | 108.6                     | 94.4               |
| 8/7/2003  | 184        | 84.7                      | 99.3               |
| 8/8/2003  | 264        | 154.3                     | 109.7              |
| 8/9/2003  | 300        | 178.3                     | 121.7              |
| 8/10/2003 | 689        | 527.5                     | 161.5              |
| 8/11/2003 | 460        | 279.4                     | 180.6              |
| 8/12/2003 | 284        | 99.1                      | 184.9              |
| 8/13/2003 | 211        | 27.6                      | 183.4              |
| 8/14/2003 | 216        | 33.5                      | 182.5              |
| 8/15/2003 | 329        | 139.1                     | 189.9              |

Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

Hickory St. Drainage Canal

| Day                          | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------------------------|------------|---------------------------|--------------------|
| 8/16/2003                    | 27.61      | 1.5                       | 26.1               |
| 8/17/2003                    | 22.06      | 0.0                       | 22.1               |
| 8/18/2003                    | 21.49      | 0.0                       | 21.5               |
| 8/19/2003                    | 22.12      | 1.0                       | 21.1               |
| 8/20/2003                    | 22.3       | 1.5                       | 20.8               |
| 8/21/2003                    | 20.72      | 0.3                       | 20.4               |
| 8/22/2003                    | 19.86      | 0.0                       | 19.9               |
| 8/23/2003                    | 27.36      | 7.3                       | 20.0               |
| 8/24/2003                    | 35.82      | 15.0                      | 20.8               |
| 8/25/2003                    | 24.93      | 4.2                       | 20.8               |
| 8/26/2003                    | 22.07      | 1.6                       | 20.5               |
| 8/27/2003                    | 22.1       | 1.9                       | 20.2               |
| 8/28/2003                    | 30.41      | 9.8                       | 20.6               |
| 8/29/2003                    | 28.69      | 7.9                       | 20.8               |
| 8/30/2003                    | 20.78      | 0.4                       | 20.4               |
| 8/31/2003                    | 18.82      | 0.0                       | 18.8               |
| Sum                          | 39009.3    | 11352.6                   | 27657.04           |
| Base Flow Index (BFI): 0.709 |            |                           |                    |

South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/16/2003 | 454        | 194.0                     | 260.0              |
| 8/17/2003 | 294        | 38.3                      | 255.7              |
| 8/18/2003 | 235        | 0.0                       | 235.0              |
| 8/19/2003 | 220        | 0.0                       | 220.0              |
| 8/20/2003 | 240        | 24.8                      | 215.2              |
| 8/21/2003 | 260        | 46.1                      | 213.9              |
| 8/22/2003 | 235        | 25.5                      | 209.5              |
| 8/23/2003 | 200        | 0.0                       | 200.0              |
| 8/24/2003 | 170        | 0.0                       | 170.0              |
| 8/25/2003 | 140        | 0.0                       | 140.0              |
| 8/26/2003 | 121        | 0.0                       | 121.0              |
| 8/27/2003 | 103        | 0.0                       | 103.0              |
| 8/28/2003 | 94         | 0.0                       | 94.0               |
| 8/29/2003 | 89         | 0.0                       | 89.0               |
| 8/30/2003 | 83         | 0.0                       | 83.0               |
| 8/31/2003 | 77         | 0.0                       | 77.0               |
| 9/1/2003  | 76         | 1.8                       | 74.2               |
| 9/2/2003  | 94         | 19.6                      | 74.4               |
| 9/3/2003  | 93         | 18.6                      | 74.4               |
| 9/4/2003  | 75         | 3.1                       | 71.9               |
| 9/5/2003  | 68         | 0.0                       | 68.0               |
| 9/6/2003  | 73         | 6.7                       | 66.3               |
| 9/7/2003  | 79         | 13.2                      | 65.8               |
| 9/8/2003  | 91         | 24.0                      | 67.0               |
| 9/9/2003  | 97         | 28.2                      | 68.8               |
| 9/10/2003 | 82         | 13.7                      | 68.3               |
| 9/11/2003 | 66         | 0.4                       | 65.6               |
| 9/12/2003 | 56         | 0.0                       | 56.0               |
| 9/13/2003 | 50         | 0.0                       | 50.0               |
| 9/14/2003 | 46         | 0.0                       | 46.0               |
| 9/15/2003 | 41         | 0.0                       | 41.0               |
| 9/16/2003 | 37         | 0.0                       | 37.0               |
| 9/17/2003 | 36         | 0.4                       | 35.6               |
| 9/18/2003 | 34         | 0.0                       | 34.0               |
| 9/19/2003 | 32         | 0.0                       | 32.0               |
| 9/20/2003 | 33         | 2.0                       | 31.0               |
| 9/21/2003 | 36         | 5.4                       | 30.6               |
| 9/22/2003 | 35         | 4.8                       | 30.2               |
| 9/23/2003 | 33         | 3.5                       | 29.5               |
| 9/24/2003 | 34         | 4.9                       | 29.1               |
| 9/25/2003 | 36         | 6.9                       | 29.1               |
| 9/26/2003 | 48         | 17.3                      | 30.7               |
| 9/27/2003 | 74         | 38.4                      | 35.6               |
| 9/28/2003 | 150        | 99.8                      | 50.2               |
| 9/29/2003 | 326        | 239.5                     | 86.5               |
| 9/30/2003 | 499        | 358.6                     | 140.4              |
| 10/1/2003 | 476        | 294.2                     | 181.8              |
| 10/2/2003 | 364        | 163.3                     | 200.7              |
| 10/3/2003 | 202        | 8.0                       | 194.0              |
| 10/4/2003 | 111        | 0.0                       | 111.0              |

North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/16/2003 | 157        | 105.8                     | 51.2               |
| 8/17/2003 | 121        | 67.6                      | 53.4               |
| 8/18/2003 | 86         | 31.8                      | 54.2               |
| 8/19/2003 | 68         | 13.8                      | 54.2               |
| 8/20/2003 | 107        | 51.3                      | 55.7               |
| 8/21/2003 | 121        | 63.3                      | 57.7               |
| 8/22/2003 | 92         | 33.6                      | 58.4               |
| 8/23/2003 | 81         | 22.3                      | 58.7               |
| 8/24/2003 | 116        | 55.6                      | 60.4               |
| 8/25/2003 | 119        | 56.9                      | 62.1               |
| 8/26/2003 | 86         | 23.6                      | 62.4               |
| 8/27/2003 | 62         | 0.2                       | 61.8               |
| 8/28/2003 | 52         | 0.0                       | 52.0               |
| 8/29/2003 | 50         | 0.0                       | 50.0               |
| 8/30/2003 | 47         | 0.0                       | 47.0               |
| 8/31/2003 | 40         | 0.0                       | 40.0               |
| 9/1/2003  | 39         | 0.0                       | 39.0               |
| 9/2/2003  | 37         | 0.0                       | 37.0               |
| 9/3/2003  | 37         | 0.4                       | 36.6               |
| 9/4/2003  | 34         | 0.0                       | 34.0               |
| 9/5/2003  | 47         | 12.8                      | 34.2               |
| 9/6/2003  | 57         | 22.3                      | 34.7               |
| 9/7/2003  | 47         | 12.1                      | 34.9               |
| 9/8/2003  | 40         | 5.3                       | 34.7               |
| 9/9/2003  | 35         | 0.6                       | 34.4               |
| 9/10/2003 | 30         | 0.0                       | 30.0               |
| 9/11/2003 | 25         | 0.0                       | 25.0               |
| 9/12/2003 | 20         | 0.0                       | 20.0               |
| 9/13/2003 | 18         | 0.0                       | 18.0               |
| 9/14/2003 | 18         | 0.2                       | 17.8               |
| 9/15/2003 | 18         | 0.3                       | 17.7               |
| 9/16/2003 | 18         | 0.5                       | 17.5               |
| 9/17/2003 | 19         | 1.6                       | 17.4               |
| 9/18/2003 | 19         | 1.7                       | 17.3               |
| 9/19/2003 | 17         | 0.0                       | 17.0               |
| 9/20/2003 | 16         | 0.0                       | 16.0               |
| 9/21/2003 | 15         | 0.0                       | 15.0               |
| 9/22/2003 | 14         | 0.0                       | 14.0               |
| 9/23/2003 | 14         | 0.1                       | 13.9               |
| 9/24/2003 | 13         | 0.0                       | 13.0               |
| 9/25/2003 | 16         | 3.0                       | 13.0               |
| 9/26/2003 | 22         | 8.8                       | 13.2               |
| 9/27/2003 | 30         | 16.3                      | 13.7               |
| 9/28/2003 | 43         | 28.3                      | 14.7               |
| 9/29/2003 | 54         | 37.9                      | 16.1               |
| 9/30/2003 | 110        | 90.4                      | 19.6               |
| 10/1/2003 | 111        | 88.1                      | 22.9               |
| 10/2/2003 | 86         | 60.9                      | 25.1               |
| 10/3/2003 | 76         | 49.2                      | 26.8               |
| 10/4/2003 | 68         | 39.9                      | 28.1               |

Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/16/2003 | 252        | 61.0                      | 191.0              |
| 8/17/2003 | 191        | 3.5                       | 187.5              |
| 8/18/2003 | 166        | 0.0                       | 166.0              |
| 8/19/2003 | 162        | 0.0                       | 162.0              |
| 8/20/2003 | 150        | 0.0                       | 150.0              |
| 8/21/2003 | 132        | 0.0                       | 132.0              |
| 8/22/2003 | 121        | 0.0                       | 121.0              |
| 8/23/2003 | 118        | 0.0                       | 118.0              |
| 8/24/2003 | 233        | 108.7                     | 124.3              |
| 8/25/2003 | 246        | 115.0                     | 131.0              |
| 8/26/2003 | 194        | 60.7                      | 133.3              |
| 8/27/2003 | 157        | 24.4                      | 132.6              |
| 8/28/2003 | 140        | 9.3                       | 130.7              |
| 8/29/2003 | 142        | 12.9                      | 129.1              |
| 8/30/2003 | 129        | 2.3                       | 126.7              |
| 8/31/2003 | 122        | 0.0                       | 122.0              |
| 9/1/2003  | 113        | 0.0                       | 113.0              |
| 9/2/2003  | 102        | 0.0                       | 102.0              |
| 9/3/2003  | 108        | 7.4                       | 100.6              |
| 9/4/2003  | 98         | 0.0                       | 98.0               |
| 9/5/2003  | 206        | 101.8                     | 104.2              |
| 9/6/2003  | 197        | 87.9                      | 109.1              |
| 9/7/2003  | 156        | 45.4                      | 110.6              |
| 9/8/2003  | 127        | 17.2                      | 109.8              |
| 9/9/2003  | 111        | 3.2                       | 107.8              |
| 9/10/2003 | 88         | 0.0                       | 88.0               |
| 9/11/2003 | 77         | 0.0                       | 77.0               |
| 9/12/2003 | 60         | 0.0                       | 60.0               |
| 9/13/2003 | 55         | 0.0                       | 55.0               |
| 9/14/2003 | 54         | 0.1                       | 53.9               |
| 9/15/2003 | 52         | 0.0                       | 52.0               |
| 9/16/2003 | 52         | 1.0                       | 51.0               |
| 9/17/2003 | 52         | 1.8                       | 50.2               |
| 9/18/2003 | 51         | 1.7                       | 49.3               |
| 9/19/2003 | 56         | 7.1                       | 48.9               |
| 9/20/2003 | 89         | 38.1                      | 50.9               |
| 9/21/2003 | 94         | 40.8                      | 53.2               |
| 9/22/2003 | 94         | 38.8                      | 55.2               |
| 9/23/2003 | 76         | 20.3                      | 55.7               |
| 9/24/2003 | 63         | 7.7                       | 55.3               |
| 9/25/2003 | 44         | 0.0                       | 44.0               |
| 9/26/2003 | 68         | 23.0                      | 45.0               |
| 9/27/2003 | 149        | 97.2                      | 51.8               |
| 9/28/2003 | 165        | 105.7                     | 59.3               |
| 9/29/2003 | 173        | 106.4                     | 66.6               |
| 9/30/2003 | 241        | 162.7                     | 78.3               |
| 10/1/2003 | 200        | 114.2                     | 85.8               |
| 10/2/2003 | 188        | 96.2                      | 91.8               |
| 10/3/2003 | 145        | 50.9                      | 94.1               |
| 10/4/2003 | 83         | 0.0                       | 83.0               |



## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/5/2003  | 87         | 0.0                       | 87.0               |
| 10/6/2003  | 81         | 0.0                       | 81.0               |
| 10/7/2003  | 73         | 0.0                       | 73.0               |
| 10/8/2003  | 62         | 0.0                       | 62.0               |
| 10/9/2003  | 55         | 0.0                       | 55.0               |
| 10/10/2003 | 52         | 0.0                       | 52.0               |
| 10/11/2003 | 51         | 0.9                       | 50.1               |
| 10/12/2003 | 51         | 2.5                       | 48.5               |
| 10/13/2003 | 48         | 1.3                       | 46.7               |
| 10/14/2003 | 44         | 0.0                       | 44.0               |
| 10/15/2003 | 42         | 0.0                       | 42.0               |
| 10/16/2003 | 39         | 0.0                       | 39.0               |
| 10/17/2003 | 36         | 0.0                       | 36.0               |
| 10/18/2003 | 36         | 1.2                       | 34.8               |
| 10/19/2003 | 36         | 2.3                       | 33.7               |
| 10/20/2003 | 35         | 2.3                       | 32.7               |
| 10/21/2003 | 32         | 0.5                       | 31.5               |
| 10/22/2003 | 30         | 0.0                       | 30.0               |
| 10/23/2003 | 30         | 1.0                       | 29.0               |
| 10/24/2003 | 29         | 1.0                       | 28.0               |
| 10/25/2003 | 28         | 1.0                       | 27.0               |
| 10/26/2003 | 29         | 2.6                       | 26.4               |
| 10/27/2003 | 31         | 4.9                       | 26.1               |
| 10/28/2003 | 30         | 4.3                       | 25.7               |
| 10/29/2003 | 31         | 5.4                       | 25.6               |
| 10/30/2003 | 33         | 7.3                       | 25.7               |
| 10/31/2003 | 31         | 5.4                       | 25.6               |
| 11/1/2003  | 32         | 6.4                       | 25.6               |
| 11/2/2003  | 37         | 10.7                      | 26.3               |
| 11/3/2003  | 41         | 13.6                      | 27.4               |
| 11/4/2003  | 48         | 18.7                      | 29.3               |
| 11/5/2003  | 108        | 68.9                      | 39.1               |
| 11/6/2003  | 144        | 91.8                      | 52.2               |
| 11/7/2003  | 122        | 61.9                      | 60.1               |
| 11/8/2003  | 104        | 39.9                      | 64.1               |
| 11/9/2003  | 104        | 36.6                      | 67.4               |
| 11/10/2003 | 101        | 31.3                      | 69.7               |
| 11/11/2003 | 87         | 17.3                      | 69.7               |
| 11/12/2003 | 75         | 7.0                       | 68.0               |
| 11/13/2003 | 66         | 0.6                       | 65.4               |
| 11/14/2003 | 60         | 0.0                       | 60.0               |
| 11/15/2003 | 56         | 0.0                       | 56.0               |
| 11/16/2003 | 52         | 0.0                       | 52.0               |
| 11/17/2003 | 49         | 0.0                       | 49.0               |
| 11/18/2003 | 46         | 0.0                       | 46.0               |
| 11/19/2003 | 45         | 0.7                       | 44.3               |
| 11/20/2003 | 45         | 2.2                       | 42.8               |
| 11/21/2003 | 45         | 3.3                       | 41.7               |
| 11/22/2003 | 46         | 5.2                       | 40.8               |
| 11/23/2003 | 44         | 4.1                       | 39.9               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/5/2003  | 60         | 30.9                      | 29.1               |
| 10/6/2003  | 54         | 24.2                      | 29.8               |
| 10/7/2003  | 50         | 19.7                      | 30.3               |
| 10/8/2003  | 42         | 11.6                      | 30.4               |
| 10/9/2003  | 40         | 9.5                       | 30.5               |
| 10/10/2003 | 38         | 7.5                       | 30.5               |
| 10/11/2003 | 37         | 6.6                       | 30.4               |
| 10/12/2003 | 35         | 4.7                       | 30.3               |
| 10/13/2003 | 35         | 4.8                       | 30.2               |
| 10/14/2003 | 39         | 8.7                       | 30.3               |
| 10/15/2003 | 38         | 7.7                       | 30.3               |
| 10/16/2003 | 35         | 4.8                       | 30.2               |
| 10/17/2003 | 33         | 3.0                       | 30.0               |
| 10/18/2003 | 32         | 2.2                       | 29.8               |
| 10/19/2003 | 31         | 1.5                       | 29.5               |
| 10/20/2003 | 30         | 0.7                       | 29.3               |
| 10/21/2003 | 28         | 0.0                       | 28.0               |
| 10/22/2003 | 27         | 0.0                       | 27.0               |
| 10/23/2003 | 26         | 0.0                       | 26.0               |
| 10/24/2003 | 25         | 0.0                       | 25.0               |
| 10/25/2003 | 24         | 0.0                       | 24.0               |
| 10/26/2003 | 24         | 0.2                       | 23.8               |
| 10/27/2003 | 23         | 0.0                       | 23.0               |
| 10/28/2003 | 26         | 3.1                       | 22.9               |
| 10/29/2003 | 26         | 3.2                       | 22.8               |
| 10/30/2003 | 24         | 1.4                       | 22.6               |
| 10/31/2003 | 20         | 0.0                       | 20.0               |
| 11/1/2003  | 18         | 0.0                       | 18.0               |
| 11/2/2003  | 17         | 0.0                       | 17.0               |
| 11/3/2003  | 17         | 0.2                       | 16.8               |
| 11/4/2003  | 18         | 1.3                       | 16.7               |
| 11/5/2003  | 25         | 8.1                       | 16.9               |
| 11/6/2003  | 30         | 12.8                      | 17.2               |
| 11/7/2003  | 36         | 18.2                      | 17.8               |
| 11/8/2003  | 38         | 19.6                      | 18.4               |
| 11/9/2003  | 36         | 17.1                      | 18.9               |
| 11/10/2003 | 32         | 12.8                      | 19.2               |
| 11/11/2003 | 28         | 8.6                       | 19.4               |
| 11/12/2003 | 26         | 6.6                       | 19.4               |
| 11/13/2003 | 25         | 5.5                       | 19.5               |
| 11/14/2003 | 23         | 3.6                       | 19.4               |
| 11/15/2003 | 22         | 2.7                       | 19.3               |
| 11/16/2003 | 20         | 0.8                       | 19.2               |
| 11/17/2003 | 19         | 0.0                       | 19.0               |
| 11/18/2003 | 18         | 0.0                       | 18.0               |
| 11/19/2003 | 18         | 0.2                       | 17.8               |
| 11/20/2003 | 19         | 1.3                       | 17.7               |
| 11/21/2003 | 18         | 0.5                       | 17.5               |
| 11/22/2003 | 18         | 0.6                       | 17.4               |
| 11/23/2003 | 17         | 0.0                       | 17.0               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/5/2003  | 67         | 0.0                       | 67.0               |
| 10/6/2003  | 63         | 0.0                       | 63.0               |
| 10/7/2003  | 60         | 0.0                       | 60.0               |
| 10/8/2003  | 58         | 0.0                       | 58.0               |
| 10/9/2003  | 56         | 0.0                       | 56.0               |
| 10/10/2003 | 52         | 0.0                       | 52.0               |
| 10/11/2003 | 54         | 2.8                       | 51.2               |
| 10/12/2003 | 54         | 3.6                       | 50.4               |
| 10/13/2003 | 61         | 10.7                      | 50.3               |
| 10/14/2003 | 283        | 216.4                     | 66.6               |
| 10/15/2003 | 216        | 139.6                     | 76.4               |
| 10/16/2003 | 149        | 68.6                      | 80.4               |
| 10/17/2003 | 86         | 6.7                       | 79.3               |
| 10/18/2003 | 70         | 0.0                       | 70.0               |
| 10/19/2003 | 63         | 0.0                       | 63.0               |
| 10/20/2003 | 62         | 0.2                       | 61.8               |
| 10/21/2003 | 62         | 1.4                       | 60.6               |
| 10/22/2003 | 66         | 6.1                       | 59.9               |
| 10/23/2003 | 69         | 9.5                       | 59.5               |
| 10/24/2003 | 62         | 3.4                       | 58.6               |
| 10/25/2003 | 55         | 0.0                       | 55.0               |
| 10/26/2003 | 53         | 0.0                       | 53.0               |
| 10/27/2003 | 50         | 0.0                       | 50.0               |
| 10/28/2003 | 54         | 4.6                       | 49.4               |
| 10/29/2003 | 58         | 8.9                       | 49.1               |
| 10/30/2003 | 49         | 0.8                       | 48.2               |
| 10/31/2003 | 44         | 0.0                       | 44.0               |
| 11/1/2003  | 44         | 0.8                       | 43.2               |
| 11/2/2003  | 45         | 2.5                       | 42.5               |
| 11/3/2003  | 47         | 4.9                       | 42.1               |
| 11/4/2003  | 55         | 12.8                      | 42.2               |
| 11/5/2003  | 332        | 269.1                     | 62.9               |
| 11/6/2003  | 507        | 412.3                     | 94.7               |
| 11/7/2003  | 342        | 230.8                     | 111.2              |
| 11/8/2003  | 233        | 114.8                     | 118.2              |
| 11/9/2003  | 187        | 65.9                      | 121.1              |
| 11/10/2003 | 150        | 29.0                      | 121.0              |
| 11/11/2003 | 126        | 6.9                       | 119.1              |
| 11/12/2003 | 105        | 0.0                       | 105.0              |
| 11/13/2003 | 85         | 0.0                       | 85.0               |
| 11/14/2003 | 77         | 0.0                       | 77.0               |
| 11/15/2003 | 72         | 0.0                       | 72.0               |
| 11/16/2003 | 68         | 0.0                       | 68.0               |
| 11/17/2003 | 65         | 0.0                       | 65.0               |
| 11/18/2003 | 62         | 0.0                       | 62.0               |
| 11/19/2003 | 65         | 3.9                       | 61.1               |
| 11/20/2003 | 70         | 9.4                       | 60.6               |
| 11/21/2003 | 68         | 8.0                       | 60.0               |
| 11/22/2003 | 73         | 13.1                      | 59.9               |
| 11/23/2003 | 59         | 0.3                       | 58.7               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/24/2003 | 40         | 1.5                       | 38.5               |
| 11/25/2003 | 38         | 0.9                       | 37.1               |
| 11/26/2003 | 38         | 2.1                       | 36.0               |
| 11/27/2003 | 37         | 2.1                       | 34.9               |
| 11/28/2003 | 38         | 3.9                       | 34.1               |
| 11/29/2003 | 41         | 7.1                       | 33.9               |
| 11/30/2003 | 40         | 6.5                       | 33.5               |
| 12/1/2003  | 39         | 5.9                       | 33.1               |
| 12/2/2003  | 37         | 4.5                       | 32.5               |
| 12/3/2003  | 35         | 3.3                       | 31.7               |
| 12/4/2003  | 32         | 1.3                       | 30.7               |
| 12/5/2003  | 32         | 2.2                       | 29.8               |
| 12/6/2003  | 38         | 8.1                       | 29.9               |
| 12/7/2003  | 42         | 11.5                      | 30.5               |
| 12/8/2003  | 39         | 8.3                       | 30.7               |
| 12/9/2003  | 34         | 3.9                       | 30.1               |
| 12/10/2003 | 30         | 1.0                       | 29.0               |
| 12/11/2003 | 27         | 0.0                       | 27.0               |
| 12/12/2003 | 26         | 0.1                       | 25.9               |
| 12/13/2003 | 27         | 1.8                       | 25.2               |
| 12/14/2003 | 39         | 12.8                      | 26.2               |
| 12/15/2003 | 53         | 24.0                      | 29.0               |
| 12/16/2003 | 186        | 136.3                     | 49.7               |
| 12/17/2003 | 650        | 519.2                     | 130.8              |
| 12/18/2003 | 683        | 480.6                     | 202.4              |
| 12/19/2003 | 424        | 198.0                     | 226.0              |
| 12/20/2003 | 263        | 39.7                      | 223.3              |
| 12/21/2003 | 212        | 0.0                       | 212.0              |
| 12/22/2003 | 172        | 0.0                       | 172.0              |
| 12/23/2003 | 145        | 0.0                       | 145.0              |
| 12/24/2003 | 126        | 0.0                       | 126.0              |
| 12/25/2003 | 109        | 0.0                       | 109.0              |
| 12/26/2003 | 97         | 0.0                       | 97.0               |
| 12/27/2003 | 89         | 0.0                       | 89.0               |
| 12/28/2003 | 83         | 0.0                       | 83.0               |
| 12/29/2003 | 78         | 0.0                       | 78.0               |
| 12/30/2003 | 73         | 0.0                       | 73.0               |
| 12/31/2003 | 71         | 0.8                       | 70.2               |
| 1/1/2004   | 69         | 1.4                       | 67.6               |
| 1/2/2004   | 68         | 2.7                       | 65.3               |
| 1/3/2004   | 67         | 3.7                       | 63.3               |
| 1/4/2004   | 64         | 2.8                       | 61.2               |
| 1/5/2004   | 61         | 1.9                       | 59.1               |
| 1/6/2004   | 59         | 2.0                       | 57.0               |
| 1/7/2004   | 56         | 1.1                       | 54.9               |
| 1/8/2004   | 54         | 1.1                       | 52.9               |
| 1/9/2004   | 48         | 0.0                       | 48.0               |
| 1/10/2004  | 42         | 0.0                       | 42.0               |
| 1/11/2004  | 40         | 0.0                       | 40.0               |
| 1/12/2004  | 43         | 4.0                       | 39.0               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/24/2003 | 17         | 0.2                       | 16.8               |
| 11/25/2003 | 17         | 0.3                       | 16.7               |
| 11/26/2003 | 17         | 0.5                       | 16.5               |
| 11/27/2003 | 16         | 0.0                       | 16.0               |
| 11/28/2003 | 16         | 0.2                       | 15.8               |
| 11/29/2003 | 16         | 0.3                       | 15.7               |
| 11/30/2003 | 15         | 0.0                       | 15.0               |
| 12/1/2003  | 14         | 0.0                       | 14.0               |
| 12/2/2003  | 14         | 0.1                       | 13.9               |
| 12/3/2003  | 14         | 0.3                       | 13.7               |
| 12/4/2003  | 15         | 1.3                       | 13.7               |
| 12/5/2003  | 17         | 3.3                       | 13.7               |
| 12/6/2003  | 16         | 2.4                       | 13.6               |
| 12/7/2003  | 15         | 1.5                       | 13.5               |
| 12/8/2003  | 15         | 1.5                       | 13.5               |
| 12/9/2003  | 14         | 0.6                       | 13.4               |
| 12/10/2003 | 14         | 0.8                       | 13.2               |
| 12/11/2003 | 15         | 1.8                       | 13.2               |
| 12/12/2003 | 14         | 0.9                       | 13.1               |
| 12/13/2003 | 14         | 1.0                       | 13.0               |
| 12/14/2003 | 17         | 4.0                       | 13.0               |
| 12/15/2003 | 19         | 5.9                       | 13.1               |
| 12/16/2003 | 22         | 8.7                       | 13.3               |
| 12/17/2003 | 49         | 34.4                      | 14.6               |
| 12/18/2003 | 42         | 26.5                      | 15.5               |
| 12/19/2003 | 35         | 18.9                      | 16.1               |
| 12/20/2003 | 30         | 13.5                      | 16.5               |
| 12/21/2003 | 28         | 11.2                      | 16.8               |
| 12/22/2003 | 26         | 9.0                       | 17.0               |
| 12/23/2003 | 23         | 6.0                       | 17.0               |
| 12/24/2003 | 22         | 4.9                       | 17.1               |
| 12/25/2003 | 22         | 4.9                       | 17.1               |
| 12/26/2003 | 22         | 4.9                       | 17.1               |
| 12/27/2003 | 21         | 3.9                       | 17.1               |
| 12/28/2003 | 20         | 3.0                       | 17.0               |
| 12/29/2003 | 19         | 2.0                       | 17.0               |
| 12/30/2003 | 18         | 1.2                       | 16.8               |
| 12/31/2003 | 17         | 0.3                       | 16.7               |
| 1/1/2004   | 17         | 0.5                       | 16.5               |
| 1/2/2004   | 17         | 0.6                       | 16.4               |
| 1/3/2004   | 20         | 3.6                       | 16.4               |
| 1/4/2004   | 21         | 4.6                       | 16.4               |
| 1/5/2004   | 23         | 6.5                       | 16.5               |
| 1/6/2004   | 21         | 4.5                       | 16.5               |
| 1/7/2004   | 16         | 0.0                       | 16.0               |
| 1/8/2004   | 16         | 0.2                       | 15.8               |
| 1/9/2004   | 18         | 2.2                       | 15.8               |
| 1/10/2004  | 18         | 2.3                       | 15.7               |
| 1/11/2004  | 17         | 1.4                       | 15.6               |
| 1/12/2004  | 15         | 0.0                       | 15.0               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/24/2003 | 56         | 0.0                       | 56.0               |
| 11/25/2003 | 53         | 0.0                       | 53.0               |
| 11/26/2003 | 54         | 1.9                       | 52.1               |
| 11/27/2003 | 53         | 1.8                       | 51.2               |
| 11/28/2003 | 54         | 3.5                       | 50.5               |
| 11/29/2003 | 49         | 0.0                       | 49.0               |
| 11/30/2003 | 46         | 0.0                       | 46.0               |
| 12/1/2003  | 44         | 0.0                       | 44.0               |
| 12/2/2003  | 41         | 0.0                       | 41.0               |
| 12/3/2003  | 43         | 2.6                       | 40.4               |
| 12/4/2003  | 46         | 5.9                       | 40.1               |
| 12/5/2003  | 49         | 9.0                       | 40.0               |
| 12/6/2003  | 39         | 0.0                       | 39.0               |
| 12/7/2003  | 35         | 0.0                       | 35.0               |
| 12/8/2003  | 34         | 0.0                       | 34.0               |
| 12/9/2003  | 34         | 0.6                       | 33.4               |
| 12/10/2003 | 49         | 15.1                      | 33.9               |
| 12/11/2003 | 60         | 24.8                      | 35.2               |
| 12/12/2003 | 69         | 31.9                      | 37.1               |
| 12/13/2003 | 66         | 27.5                      | 38.5               |
| 12/14/2003 | 72         | 31.7                      | 40.3               |
| 12/15/2003 | 84         | 41.2                      | 42.8               |
| 12/16/2003 | 84         | 39.0                      | 45.0               |
| 12/17/2003 | 279        | 217.5                     | 61.5               |
| 12/18/2003 | 277        | 200.6                     | 76.4               |
| 12/19/2003 | 150        | 69.6                      | 80.4               |
| 12/20/2003 | 116        | 34.5                      | 81.5               |
| 12/21/2003 | 97         | 15.8                      | 81.2               |
| 12/22/2003 | 91         | 10.6                      | 80.4               |
| 12/23/2003 | 94         | 14.1                      | 79.9               |
| 12/24/2003 | 92         | 12.7                      | 79.3               |
| 12/25/2003 | 84         | 5.8                       | 78.2               |
| 12/26/2003 | 69         | 0.0                       | 69.0               |
| 12/27/2003 | 66         | 0.0                       | 66.0               |
| 12/28/2003 | 65         | 0.3                       | 64.7               |
| 12/29/2003 | 62         | 0.0                       | 62.0               |
| 12/30/2003 | 59         | 0.0                       | 59.0               |
| 12/31/2003 | 59         | 1.1                       | 57.9               |
| 1/1/2004   | 63         | 5.8                       | 57.2               |
| 1/2/2004   | 64         | 7.3                       | 56.7               |
| 1/3/2004   | 68         | 11.6                      | 56.4               |
| 1/4/2004   | 66         | 9.9                       | 56.1               |
| 1/5/2004   | 62         | 6.5                       | 55.5               |
| 1/6/2004   | 50         | 0.0                       | 50.0               |
| 1/7/2004   | 41         | 0.0                       | 41.0               |
| 1/8/2004   | 41         | 0.8                       | 40.2               |
| 1/9/2004   | 47         | 7.0                       | 40.0               |
| 1/10/2004  | 53         | 12.8                      | 40.2               |
| 1/11/2004  | 51         | 10.7                      | 40.3               |
| 1/12/2004  | 49         | 8.8                       | 40.2               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/13/2004 | 43         | 4.8                       | 38.2               |
| 1/14/2004 | 42         | 4.6                       | 37.4               |
| 1/15/2004 | 40         | 3.5                       | 36.5               |
| 1/16/2004 | 39         | 3.4                       | 35.6               |
| 1/17/2004 | 42         | 6.8                       | 35.2               |
| 1/18/2004 | 52         | 15.7                      | 36.3               |
| 1/19/2004 | 62         | 23.4                      | 38.6               |
| 1/20/2004 | 64         | 23.2                      | 40.8               |
| 1/21/2004 | 60         | 18.0                      | 42.0               |
| 1/22/2004 | 56         | 13.5                      | 42.5               |
| 1/23/2004 | 52         | 9.6                       | 42.4               |
| 1/24/2004 | 49         | 7.2                       | 41.8               |
| 1/25/2004 | 49         | 7.6                       | 41.4               |
| 1/26/2004 | 47         | 6.3                       | 40.7               |
| 1/27/2004 | 48         | 7.7                       | 40.3               |
| 1/28/2004 | 46         | 6.3                       | 39.7               |
| 1/29/2004 | 45         | 5.9                       | 39.1               |
| 1/30/2004 | 46         | 7.3                       | 38.7               |
| 1/31/2004 | 64         | 23.2                      | 40.8               |
| 2/1/2004  | 145        | 91.2                      | 53.8               |
| 2/2/2004  | 193        | 121.9                     | 71.1               |
| 2/3/2004  | 160        | 79.1                      | 80.9               |
| 2/4/2004  | 109        | 27.0                      | 82.0               |
| 2/5/2004  | 99         | 17.5                      | 81.5               |
| 2/6/2004  | 92         | 11.8                      | 80.2               |
| 2/7/2004  | 84         | 6.1                       | 77.9               |
| 2/8/2004  | 70         | 0.0                       | 70.0               |
| 2/9/2004  | 54         | 0.0                       | 54.0               |
| 2/10/2004 | 48         | 0.0                       | 48.0               |
| 2/11/2004 | 47         | 0.8                       | 46.2               |
| 2/12/2004 | 49         | 4.0                       | 45.0               |
| 2/13/2004 | 46         | 2.4                       | 43.6               |
| 2/14/2004 | 45         | 2.7                       | 42.3               |
| 2/15/2004 | 47         | 5.5                       | 41.5               |
| 2/16/2004 | 43         | 2.7                       | 40.3               |
| 2/17/2004 | 40         | 1.2                       | 38.8               |
| 2/18/2004 | 38         | 0.6                       | 37.4               |
| 2/19/2004 | 60         | 20.8                      | 39.2               |
| 2/20/2004 | 50         | 10.7                      | 39.3               |
| 2/21/2004 | 34         | 0.0                       | 34.0               |
| 2/22/2004 | 34         | 1.2                       | 32.8               |
| 2/23/2004 | 35         | 3.0                       | 32.0               |
| 2/24/2004 | 36         | 4.6                       | 31.4               |
| 2/25/2004 | 63         | 28.3                      | 34.7               |
| 2/26/2004 | 107        | 63.5                      | 43.5               |
| 2/27/2004 | 101        | 51.1                      | 49.9               |
| 2/28/2004 | 72         | 20.8                      | 51.2               |
| 2/29/2004 | 62         | 11.0                      | 51.0               |
| 3/1/2004  | 56         | 6.1                       | 49.9               |
| 3/2/2004  | 52         | 3.5                       | 48.5               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/13/2004 | 13         | 0.0                       | 13.0               |
| 1/14/2004 | 13         | 0.1                       | 12.9               |
| 1/15/2004 | 12         | 0.0                       | 12.0               |
| 1/16/2004 | 12         | 0.1                       | 11.9               |
| 1/17/2004 | 12         | 0.2                       | 11.8               |
| 1/18/2004 | 13         | 1.3                       | 11.7               |
| 1/19/2004 | 20         | 8.1                       | 11.9               |
| 1/20/2004 | 18         | 6.0                       | 12.0               |
| 1/21/2004 | 15         | 3.0                       | 12.0               |
| 1/22/2004 | 14         | 2.0                       | 12.0               |
| 1/23/2004 | 13         | 1.1                       | 11.9               |
| 1/24/2004 | 14         | 2.1                       | 11.9               |
| 1/25/2004 | 16         | 4.1                       | 11.9               |
| 1/26/2004 | 18         | 6.0                       | 12.0               |
| 1/27/2004 | 19         | 6.8                       | 12.2               |
| 1/28/2004 | 17         | 4.7                       | 12.3               |
| 1/29/2004 | 18         | 5.6                       | 12.4               |
| 1/30/2004 | 20         | 7.5                       | 12.5               |
| 1/31/2004 | 19         | 6.3                       | 12.7               |
| 2/1/2004  | 39         | 25.4                      | 13.6               |
| 2/2/2004  | 38         | 23.6                      | 14.4               |
| 2/3/2004  | 37         | 21.9                      | 15.1               |
| 2/4/2004  | 30         | 14.5                      | 15.5               |
| 2/5/2004  | 27         | 11.2                      | 15.8               |
| 2/6/2004  | 26         | 9.9                       | 16.1               |
| 2/7/2004  | 22         | 5.9                       | 16.1               |
| 2/8/2004  | 22         | 5.8                       | 16.2               |
| 2/9/2004  | 21         | 4.8                       | 16.2               |
| 2/10/2004 | 20         | 3.8                       | 16.2               |
| 2/11/2004 | 19         | 2.8                       | 16.2               |
| 2/12/2004 | 19         | 2.9                       | 16.1               |
| 2/13/2004 | 19         | 2.9                       | 16.1               |
| 2/14/2004 | 18         | 2.0                       | 16.0               |
| 2/15/2004 | 19         | 3.0                       | 16.0               |
| 2/16/2004 | 17         | 1.2                       | 15.8               |
| 2/17/2004 | 17         | 1.3                       | 15.7               |
| 2/18/2004 | 15         | 0.0                       | 15.0               |
| 2/19/2004 | 18         | 3.0                       | 15.0               |
| 2/20/2004 | 18         | 3.1                       | 14.9               |
| 2/21/2004 | 17         | 2.1                       | 14.9               |
| 2/22/2004 | 16         | 1.2                       | 14.8               |
| 2/23/2004 | 14         | 0.0                       | 14.0               |
| 2/24/2004 | 15         | 1.1                       | 13.9               |
| 2/25/2004 | 24         | 9.8                       | 14.2               |
| 2/26/2004 | 27         | 12.5                      | 14.5               |
| 2/27/2004 | 25         | 10.2                      | 14.8               |
| 2/28/2004 | 22         | 7.1                       | 14.9               |
| 2/29/2004 | 22         | 7.0                       | 15.0               |
| 3/1/2004  | 20         | 4.9                       | 15.1               |
| 3/2/2004  | 18         | 2.9                       | 15.1               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/13/2004 | 54         | 13.5                      | 40.5               |
| 1/14/2004 | 55         | 14.2                      | 40.8               |
| 1/15/2004 | 46         | 5.6                       | 40.4               |
| 1/16/2004 | 51         | 10.6                      | 40.4               |
| 1/17/2004 | 46         | 5.9                       | 40.1               |
| 1/18/2004 | 59         | 18.2                      | 40.8               |
| 1/19/2004 | 77         | 34.3                      | 42.7               |
| 1/20/2004 | 113        | 65.9                      | 47.1               |
| 1/21/2004 | 103        | 52.6                      | 50.4               |
| 1/22/2004 | 77         | 25.6                      | 51.4               |
| 1/23/2004 | 67         | 15.4                      | 51.6               |
| 1/24/2004 | 62         | 10.6                      | 51.4               |
| 1/25/2004 | 61         | 9.8                       | 51.2               |
| 1/26/2004 | 57         | 6.3                       | 50.7               |
| 1/27/2004 | 49         | 0.0                       | 49.0               |
| 1/28/2004 | 53         | 4.6                       | 48.4               |
| 1/29/2004 | 54         | 6.1                       | 47.9               |
| 1/30/2004 | 60         | 12.1                      | 47.9               |
| 1/31/2004 | 73         | 24.1                      | 48.9               |
| 2/1/2004  | 180        | 122.3                     | 57.7               |
| 2/2/2004  | 221        | 152.3                     | 68.7               |
| 2/3/2004  | 137        | 64.5                      | 72.5               |
| 2/4/2004  | 106        | 32.4                      | 73.6               |
| 2/5/2004  | 95         | 21.1                      | 73.9               |
| 2/6/2004  | 84         | 10.8                      | 73.2               |
| 2/7/2004  | 83         | 10.4                      | 72.6               |
| 2/8/2004  | 66         | 0.0                       | 66.0               |
| 2/9/2004  | 59         | 0.0                       | 59.0               |
| 2/10/2004 | 48         | 0.0                       | 48.0               |
| 2/11/2004 | 48         | 0.9                       | 47.1               |
| 2/12/2004 | 48         | 1.7                       | 46.3               |
| 2/13/2004 | 62         | 15.4                      | 46.6               |
| 2/14/2004 | 72         | 24.4                      | 47.6               |
| 2/15/2004 | 74         | 25.3                      | 48.7               |
| 2/16/2004 | 71         | 21.6                      | 49.4               |
| 2/17/2004 | 64         | 14.4                      | 49.6               |
| 2/18/2004 | 70         | 19.8                      | 50.2               |
| 2/19/2004 | 56         | 6.3                       | 49.7               |
| 2/20/2004 | 55         | 5.8                       | 49.2               |
| 2/21/2004 | 54         | 5.4                       | 48.6               |
| 2/22/2004 | 49         | 1.3                       | 47.7               |
| 2/23/2004 | 47         | 0.2                       | 46.8               |
| 2/24/2004 | 45         | 0.0                       | 45.0               |
| 2/25/2004 | 77         | 30.5                      | 46.5               |
| 2/26/2004 | 177        | 121.7                     | 55.3               |
| 2/27/2004 | 123        | 63.7                      | 59.3               |
| 2/28/2004 | 89         | 28.6                      | 60.4               |
| 2/29/2004 | 66         | 6.3                       | 59.7               |
| 3/1/2004  | 62         | 3.2                       | 58.8               |
| 3/2/2004  | 53         | 0.0                       | 53.0               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/3/2004  | 49         | 2.1                       | 46.9               |
| 3/4/2004  | 45         | 0.0                       | 45.0               |
| 3/5/2004  | 41         | 0.0                       | 41.0               |
| 3/6/2004  | 39         | 0.0                       | 39.0               |
| 3/7/2004  | 38         | 0.5                       | 37.5               |
| 3/8/2004  | 35         | 0.0                       | 35.0               |
| 3/9/2004  | 31         | 0.0                       | 31.0               |
| 3/10/2004 | 29         | 0.0                       | 29.0               |
| 3/11/2004 | 26         | 0.0                       | 26.0               |
| 3/12/2004 | 24         | 0.0                       | 24.0               |
| 3/13/2004 | 24         | 0.8                       | 23.2               |
| 3/14/2004 | 25         | 2.4                       | 22.6               |
| 3/15/2004 | 26         | 3.7                       | 22.3               |
| 3/16/2004 | 29         | 6.5                       | 22.5               |
| 3/17/2004 | 36         | 12.4                      | 23.6               |
| 3/18/2004 | 36         | 11.5                      | 24.5               |
| 3/19/2004 | 32         | 7.3                       | 24.7               |
| 3/20/2004 | 28         | 3.7                       | 24.3               |
| 3/21/2004 | 26         | 2.3                       | 23.7               |
| 3/22/2004 | 25         | 2.0                       | 23.0               |
| 3/23/2004 | 23         | 0.8                       | 22.2               |
| 3/24/2004 | 19         | 0.0                       | 19.0               |
| 3/25/2004 | 17         | 0.0                       | 17.0               |
| 3/26/2004 | 17         | 0.6                       | 16.4               |
| 3/27/2004 | 17         | 1.1                       | 15.9               |
| 3/28/2004 | 17         | 1.5                       | 15.5               |
| 3/29/2004 | 16         | 0.9                       | 15.1               |
| 3/30/2004 | 15         | 0.5                       | 14.5               |
| 3/31/2004 | 14         | 0.0                       | 14.0               |
| 4/1/2004  | 13         | 0.0                       | 13.0               |
| 4/2/2004  | 13         | 0.4                       | 12.6               |
| 4/3/2004  | 13         | 0.8                       | 12.2               |
| 4/4/2004  | 14         | 2.0                       | 12.0               |
| 4/5/2004  | 14         | 2.1                       | 11.9               |
| 4/6/2004  | 14         | 2.2                       | 11.8               |
| 4/7/2004  | 16         | 4.1                       | 11.9               |
| 4/8/2004  | 15         | 3.1                       | 11.9               |
| 4/9/2004  | 14         | 2.2                       | 11.8               |
| 4/10/2004 | 15         | 3.2                       | 11.8               |
| 4/11/2004 | 18         | 5.7                       | 12.3               |
| 4/12/2004 | 36         | 20.9                      | 15.1               |
| 4/13/2004 | 49         | 29.7                      | 19.3               |
| 4/14/2004 | 43         | 21.1                      | 21.9               |
| 4/15/2004 | 33         | 10.3                      | 22.7               |
| 4/16/2004 | 25         | 2.8                       | 22.2               |
| 4/17/2004 | 24         | 2.3                       | 21.7               |
| 4/18/2004 | 23         | 1.9                       | 21.1               |
| 4/19/2004 | 22         | 1.5                       | 20.5               |
| 4/20/2004 | 21         | 1.1                       | 19.9               |
| 4/21/2004 | 22         | 2.5                       | 19.5               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/3/2004  | 18         | 3.0                       | 15.0               |
| 3/4/2004  | 17         | 2.0                       | 15.0               |
| 3/5/2004  | 16         | 1.1                       | 14.9               |
| 3/6/2004  | 17         | 2.2                       | 14.8               |
| 3/7/2004  | 16         | 1.3                       | 14.7               |
| 3/8/2004  | 15         | 0.4                       | 14.6               |
| 3/9/2004  | 15         | 0.6                       | 14.4               |
| 3/10/2004 | 14         | 0.0                       | 14.0               |
| 3/11/2004 | 13         | 0.0                       | 13.0               |
| 3/12/2004 | 12         | 0.0                       | 12.0               |
| 3/13/2004 | 12         | 0.1                       | 11.9               |
| 3/14/2004 | 12         | 0.2                       | 11.8               |
| 3/15/2004 | 12         | 0.3                       | 11.7               |
| 3/16/2004 | 17         | 5.2                       | 11.8               |
| 3/17/2004 | 20         | 8.0                       | 12.0               |
| 3/18/2004 | 14         | 2.1                       | 11.9               |
| 3/19/2004 | 13         | 1.1                       | 11.9               |
| 3/20/2004 | 12         | 0.3                       | 11.7               |
| 3/21/2004 | 12         | 0.4                       | 11.6               |
| 3/22/2004 | 16         | 4.3                       | 11.7               |
| 3/23/2004 | 15         | 3.3                       | 11.7               |
| 3/24/2004 | 13         | 1.3                       | 11.7               |
| 3/25/2004 | 12         | 0.4                       | 11.6               |
| 3/26/2004 | 11         | 0.0                       | 11.0               |
| 3/27/2004 | 10         | 0.0                       | 10.0               |
| 3/28/2004 | 10         | 0.1                       | 9.9                |
| 3/29/2004 | 9.9        | 0.1                       | 9.8                |
| 3/30/2004 | 10         | 0.3                       | 9.7                |
| 3/31/2004 | 11         | 1.3                       | 9.7                |
| 4/1/2004  | 9.4        | 0.0                       | 9.4                |
| 4/2/2004  | 10         | 0.7                       | 9.3                |
| 4/3/2004  | 10         | 0.7                       | 9.3                |
| 4/4/2004  | 10         | 0.8                       | 9.2                |
| 4/5/2004  | 9.9        | 0.8                       | 9.1                |
| 4/6/2004  | 9.3        | 0.2                       | 9.1                |
| 4/7/2004  | 8.7        | 0.0                       | 8.7                |
| 4/8/2004  | 10         | 1.3                       | 8.7                |
| 4/9/2004  | 12         | 3.3                       | 8.7                |
| 4/10/2004 | 11         | 2.3                       | 8.7                |
| 4/11/2004 | 11         | 2.3                       | 8.7                |
| 4/12/2004 | 29         | 19.6                      | 9.4                |
| 4/13/2004 | 28         | 18.0                      | 10.0               |
| 4/14/2004 | 20         | 9.7                       | 10.3               |
| 4/15/2004 | 21         | 10.4                      | 10.6               |
| 4/16/2004 | 18         | 7.2                       | 10.8               |
| 4/17/2004 | 15         | 4.1                       | 10.9               |
| 4/18/2004 | 13         | 2.1                       | 10.9               |
| 4/19/2004 | 12         | 1.2                       | 10.8               |
| 4/20/2004 | 12         | 1.3                       | 10.7               |
| 4/21/2004 | 11         | 0.4                       | 10.6               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/3/2004  | 52         | 0.1                       | 51.9               |
| 3/4/2004  | 54         | 2.9                       | 51.1               |
| 3/5/2004  | 53         | 2.7                       | 50.3               |
| 3/6/2004  | 68         | 17.3                      | 50.7               |
| 3/7/2004  | 65         | 14.2                      | 50.8               |
| 3/8/2004  | 60         | 9.4                       | 50.6               |
| 3/9/2004  | 54         | 4.1                       | 49.9               |
| 3/10/2004 | 52         | 2.9                       | 49.1               |
| 3/11/2004 | 54         | 5.4                       | 48.6               |
| 3/12/2004 | 53         | 5.0                       | 48.0               |
| 3/13/2004 | 57         | 9.2                       | 47.8               |
| 3/14/2004 | 55         | 7.6                       | 47.4               |
| 3/15/2004 | 47         | 0.5                       | 46.5               |
| 3/16/2004 | 53         | 6.9                       | 46.1               |
| 3/17/2004 | 73         | 25.7                      | 47.3               |
| 3/18/2004 | 69         | 21.0                      | 48.0               |
| 3/19/2004 | 66         | 17.6                      | 48.4               |
| 3/20/2004 | 55         | 7.0                       | 48.0               |
| 3/21/2004 | 52         | 4.6                       | 47.4               |
| 3/22/2004 | 49         | 2.3                       | 46.7               |
| 3/23/2004 | 43         | 0.0                       | 43.0               |
| 3/24/2004 | 50         | 7.3                       | 42.7               |
| 3/25/2004 | 54         | 11.2                      | 42.8               |
| 3/26/2004 | 60         | 16.7                      | 43.3               |
| 3/27/2004 | 60         | 16.3                      | 43.7               |
| 3/28/2004 | 45         | 2.0                       | 43.0               |
| 3/29/2004 | 40         | 0.0                       | 40.0               |
| 3/30/2004 | 37         | 0.0                       | 37.0               |
| 3/31/2004 | 37         | 0.7                       | 36.3               |
| 4/1/2004  | 37         | 1.3                       | 35.7               |
| 4/2/2004  | 38         | 2.8                       | 35.2               |
| 4/3/2004  | 35         | 0.5                       | 34.5               |
| 4/4/2004  | 35         | 1.1                       | 33.9               |
| 4/5/2004  | 35         | 1.6                       | 33.4               |
| 4/6/2004  | 36         | 3.0                       | 33.0               |
| 4/7/2004  | 41         | 8.1                       | 32.9               |
| 4/8/2004  | 49         | 15.5                      | 33.5               |
| 4/9/2004  | 46         | 12.2                      | 33.8               |
| 4/10/2004 | 40         | 6.3                       | 33.7               |
| 4/11/2004 | 48         | 13.9                      | 34.1               |
| 4/12/2004 | 105        | 66.3                      | 38.7               |
| 4/13/2004 | 158        | 111.2                     | 46.8               |
| 4/14/2004 | 109        | 58.4                      | 50.6               |
| 4/15/2004 | 63         | 12.4                      | 50.6               |
| 4/16/2004 | 44         | 0.0                       | 44.0               |
| 4/17/2004 | 38         | 0.0                       | 38.0               |
| 4/18/2004 | 34         | 0.0                       | 34.0               |
| 4/19/2004 | 33         | 0.0                       | 33.0               |
| 4/20/2004 | 47         | 13.6                      | 33.4               |
| 4/21/2004 | 51         | 16.9                      | 34.1               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/22/2004 | 22         | 2.8                       | 19.2               |
| 4/23/2004 | 20         | 1.4                       | 18.6               |
| 4/24/2004 | 21         | 2.7                       | 18.3               |
| 4/25/2004 | 20         | 2.1                       | 17.9               |
| 4/26/2004 | 20         | 2.4                       | 17.6               |
| 4/27/2004 | 21         | 3.6                       | 17.4               |
| 4/28/2004 | 24         | 6.3                       | 17.7               |
| 4/29/2004 | 25         | 6.9                       | 18.1               |
| 4/30/2004 | 25         | 6.5                       | 18.5               |
| 5/1/2004  | 25         | 6.3                       | 18.7               |
| 5/2/2004  | 26         | 6.9                       | 19.1               |
| 5/3/2004  | 32         | 11.8                      | 20.2               |
| 5/4/2004  | 36         | 14.3                      | 21.7               |
| 5/5/2004  | 32         | 9.6                       | 22.4               |
| 5/6/2004  | 29         | 6.5                       | 22.5               |
| 5/7/2004  | 29         | 6.4                       | 22.6               |
| 5/8/2004  | 28         | 5.4                       | 22.6               |
| 5/9/2004  | 27         | 4.6                       | 22.4               |
| 5/10/2004 | 20         | 0.0                       | 20.0               |
| 5/11/2004 | 25         | 5.0                       | 20.0               |
| 5/12/2004 | 40         | 17.9                      | 22.1               |
| 5/13/2004 | 50         | 24.8                      | 25.2               |
| 5/14/2004 | 40         | 13.7                      | 26.3               |
| 5/15/2004 | 25         | 0.0                       | 25.0               |
| 5/16/2004 | 20         | 0.0                       | 20.0               |
| 5/17/2004 | 15         | 0.0                       | 15.0               |
| 5/18/2004 | 15         | 0.5                       | 14.5               |
| 5/19/2004 | 17         | 0.7                       | 14.3               |
| 5/20/2004 | 16         | 1.9                       | 14.1               |
| 5/21/2004 | 16         | 2.2                       | 13.8               |
| 5/22/2004 | 17         | 3.2                       | 13.8               |
| 5/23/2004 | 20         | 5.8                       | 14.2               |
| 5/24/2004 | 20         | 5.5                       | 14.5               |
| 5/25/2004 | 18         | 3.5                       | 14.5               |
| 5/26/2004 | 18         | 3.5                       | 14.5               |
| 5/27/2004 | 18         | 3.5                       | 14.5               |
| 5/28/2004 | 18         | 3.6                       | 14.4               |
| 5/29/2004 | 19         | 4.4                       | 14.6               |
| 5/30/2004 | 19         | 4.3                       | 14.7               |
| 5/31/2004 | 16         | 1.6                       | 14.4               |
| 6/1/2004  | 13         | 0.0                       | 13.0               |
| 6/2/2004  | 15         | 2.2                       | 12.8               |
| 6/3/2004  | 17         | 4.0                       | 13.0               |
| 6/4/2004  | 16         | 3.1                       | 12.9               |
| 6/5/2004  | 19         | 5.7                       | 13.3               |
| 6/6/2004  | 22         | 7.9                       | 14.1               |
| 6/7/2004  | 21         | 6.5                       | 14.5               |
| 6/8/2004  | 22         | 6.9                       | 15.1               |
| 6/9/2004  | 23         | 7.4                       | 15.6               |
| 6/10/2004 | 22         | 6.0                       | 16.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/22/2004 | 11         | 0.4                       | 10.6               |
| 4/23/2004 | 10         | 0.0                       | 10.0               |
| 4/24/2004 | 10         | 0.1                       | 9.9                |
| 4/25/2004 | 9.6        | 0.0                       | 9.6                |
| 4/26/2004 | 10         | 0.5                       | 9.5                |
| 4/27/2004 | 11         | 1.5                       | 9.5                |
| 4/28/2004 | 10         | 0.6                       | 9.4                |
| 4/29/2004 | 10         | 0.7                       | 9.3                |
| 4/30/2004 | 10         | 0.7                       | 9.3                |
| 5/1/2004  | 10         | 0.8                       | 9.2                |
| 5/2/2004  | 11         | 1.8                       | 9.2                |
| 5/3/2004  | 14         | 4.7                       | 9.3                |
| 5/4/2004  | 12         | 2.7                       | 9.3                |
| 5/5/2004  | 9.8        | 0.6                       | 9.2                |
| 5/6/2004  | 9.4        | 0.2                       | 9.2                |
| 5/7/2004  | 8.4        | 0.0                       | 8.4                |
| 5/8/2004  | 8.7        | 0.4                       | 8.3                |
| 5/9/2004  | 8.8        | 0.5                       | 8.3                |
| 5/10/2004 | 8.6        | 0.4                       | 8.2                |
| 5/11/2004 | 8.5        | 0.4                       | 8.1                |
| 5/12/2004 | 8.3        | 0.2                       | 8.1                |
| 5/13/2004 | 8.1        | 0.1                       | 8.0                |
| 5/14/2004 | 7.9        | 0.0                       | 7.9                |
| 5/15/2004 | 8          | 0.2                       | 7.8                |
| 5/16/2004 | 7.7        | 0.0                       | 7.7                |
| 5/17/2004 | 7.7        | 0.1                       | 7.6                |
| 5/18/2004 | 7.7        | 0.1                       | 7.6                |
| 5/19/2004 | 7.6        | 0.1                       | 7.5                |
| 5/20/2004 | 7.6        | 0.2                       | 7.4                |
| 5/21/2004 | 7.5        | 0.2                       | 7.3                |
| 5/22/2004 | 7.5        | 0.2                       | 7.3                |
| 5/23/2004 | 7.4        | 0.2                       | 7.2                |
| 5/24/2004 | 7.3        | 0.1                       | 7.2                |
| 5/25/2004 | 7.1        | 0.0                       | 7.1                |
| 5/26/2004 | 7          | 0.0                       | 7.0                |
| 5/27/2004 | 7.1        | 0.2                       | 6.9                |
| 5/28/2004 | 6.9        | 0.0                       | 6.9                |
| 5/29/2004 | 6.9        | 0.1                       | 6.8                |
| 5/30/2004 | 6.7        | 0.0                       | 6.7                |
| 5/31/2004 | 6.5        | 0.0                       | 6.5                |
| 6/1/2004  | 6.6        | 0.2                       | 6.4                |
| 6/2/2004  | 10         | 3.5                       | 6.5                |
| 6/3/2004  | 19         | 12.1                      | 6.9                |
| 6/4/2004  | 26         | 18.4                      | 7.6                |
| 6/5/2004  | 25         | 16.8                      | 8.2                |
| 6/6/2004  | 23         | 14.3                      | 8.7                |
| 6/7/2004  | 26         | 16.7                      | 9.3                |
| 6/8/2004  | 17         | 7.5                       | 9.5                |
| 6/9/2004  | 14         | 4.4                       | 9.6                |
| 6/10/2004 | 15         | 5.3                       | 9.7                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/22/2004 | 62         | 26.5                      | 35.5               |
| 4/23/2004 | 56         | 19.6                      | 36.4               |
| 4/24/2004 | 50         | 13.3                      | 36.7               |
| 4/25/2004 | 47         | 10.2                      | 36.8               |
| 4/26/2004 | 45         | 8.3                       | 36.7               |
| 4/27/2004 | 47         | 10.2                      | 36.8               |
| 4/28/2004 | 48         | 11.0                      | 37.0               |
| 4/29/2004 | 51         | 13.7                      | 37.3               |
| 4/30/2004 | 56         | 18.0                      | 38.0               |
| 5/1/2004  | 57         | 18.3                      | 38.7               |
| 5/2/2004  | 54         | 14.9                      | 39.1               |
| 5/3/2004  | 63         | 22.8                      | 40.2               |
| 5/4/2004  | 71         | 29.3                      | 41.7               |
| 5/5/2004  | 73         | 29.7                      | 43.3               |
| 5/6/2004  | 65         | 20.9                      | 44.1               |
| 5/7/2004  | 44         | 0.8                       | 43.2               |
| 5/8/2004  | 34         | 0.0                       | 34.0               |
| 5/9/2004  | 32         | 0.0                       | 32.0               |
| 5/10/2004 | 32         | 0.6                       | 31.4               |
| 5/11/2004 | 37         | 5.8                       | 31.2               |
| 5/12/2004 | 42         | 10.5                      | 31.5               |
| 5/13/2004 | 50         | 17.8                      | 32.2               |
| 5/14/2004 | 42         | 9.6                       | 32.4               |
| 5/15/2004 | 41         | 8.6                       | 32.4               |
| 5/16/2004 | 50         | 16.9                      | 33.1               |
| 5/17/2004 | 56         | 21.8                      | 34.2               |
| 5/18/2004 | 47         | 12.5                      | 34.5               |
| 5/19/2004 | 39         | 4.8                       | 34.2               |
| 5/20/2004 | 39         | 5.1                       | 33.9               |
| 5/21/2004 | 39         | 5.3                       | 33.7               |
| 5/22/2004 | 30         | 0.0                       | 30.0               |
| 5/23/2004 | 30         | 0.6                       | 29.4               |
| 5/24/2004 | 33         | 3.8                       | 29.2               |
| 5/25/2004 | 29         | 0.4                       | 28.6               |
| 5/26/2004 | 24         | 0.0                       | 24.0               |
| 5/27/2004 | 24         | 0.4                       | 23.6               |
| 5/28/2004 | 25         | 1.8                       | 23.2               |
| 5/29/2004 | 23         | 0.2                       | 22.8               |
| 5/30/2004 | 22         | 0.0                       | 22.0               |
| 5/31/2004 | 27         | 5.0                       | 22.0               |
| 6/1/2004  | 32         | 9.7                       | 22.3               |
| 6/2/2004  | 54         | 29.8                      | 24.2               |
| 6/3/2004  | 118        | 87.3                      | 30.7               |
| 6/4/2004  | 105        | 69.3                      | 35.7               |
| 6/5/2004  | 73         | 35.2                      | 37.8               |
| 6/6/2004  | 67         | 27.8                      | 39.2               |
| 6/7/2004  | 88         | 45.9                      | 42.1               |
| 6/8/2004  | 76         | 32.1                      | 43.9               |
| 6/9/2004  | 57         | 13.0                      | 44.0               |
| 6/10/2004 | 49         | 5.4                       | 43.6               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/11/2004 | 25         | 8.3                       | 16.7               |
| 6/12/2004 | 31         | 12.9                      | 18.1               |
| 6/13/2004 | 29         | 10.0                      | 19.0               |
| 6/14/2004 | 25         | 5.9                       | 19.1               |
| 6/15/2004 | 22         | 3.1                       | 18.9               |
| 6/16/2004 | 19         | 0.8                       | 18.2               |
| 6/17/2004 | 17         | 0.0                       | 17.0               |
| 6/18/2004 | 19         | 2.3                       | 16.7               |
| 6/19/2004 | 23         | 6.0                       | 17.0               |
| 6/20/2004 | 31         | 12.7                      | 18.3               |
| 6/21/2004 | 76         | 50.3                      | 25.7               |
| 6/22/2004 | 103        | 67.6                      | 35.4               |
| 6/23/2004 | 83         | 42.2                      | 40.8               |
| 6/24/2004 | 54         | 12.8                      | 41.2               |
| 6/25/2004 | 36         | 0.0                       | 36.0               |
| 6/26/2004 | 34         | 0.0                       | 34.0               |
| 6/27/2004 | 34         | 1.2                       | 32.8               |
| 6/28/2004 | 29         | 0.0                       | 29.0               |
| 6/29/2004 | 25         | 0.0                       | 25.0               |
| 6/30/2004 | 27         | 2.6                       | 24.4               |
| 7/1/2004  | 26         | 2.2                       | 23.8               |
| 7/2/2004  | 25         | 1.9                       | 23.1               |
| 7/3/2004  | 27         | 4.1                       | 22.9               |
| 7/4/2004  | 35         | 11.2                      | 23.8               |
| 7/5/2004  | 42         | 16.5                      | 25.5               |
| 7/6/2004  | 39         | 12.6                      | 26.4               |
| 7/7/2004  | 41         | 13.5                      | 27.5               |
| 7/8/2004  | 48         | 18.6                      | 29.4               |
| 7/9/2004  | 46         | 15.3                      | 30.7               |
| 7/10/2004 | 39         | 8.2                       | 30.8               |
| 7/11/2004 | 33         | 3.0                       | 30.0               |
| 7/12/2004 | 30         | 1.0                       | 29.0               |
| 7/13/2004 | 31         | 2.7                       | 28.3               |
| 7/14/2004 | 28         | 0.7                       | 27.3               |
| 7/15/2004 | 24         | 0.0                       | 24.0               |
| 7/16/2004 | 24         | 0.8                       | 23.2               |
| 7/17/2004 | 26         | 3.2                       | 22.8               |
| 7/18/2004 | 25         | 2.7                       | 22.3               |
| 7/19/2004 | 28         | 5.7                       | 22.3               |
| 7/20/2004 | 32         | 9.1                       | 22.9               |
| 7/21/2004 | 31         | 7.8                       | 23.2               |
| 7/22/2004 | 28         | 4.9                       | 23.1               |
| 7/23/2004 | 25         | 2.5                       | 22.5               |
| 7/24/2004 | 24         | 2.0                       | 22.0               |
| 7/25/2004 | 22         | 0.8                       | 21.2               |
| 7/26/2004 | 25         | 4.0                       | 21.0               |
| 7/27/2004 | 45         | 21.4                      | 23.6               |
| 7/28/2004 | 58         | 30.5                      | 27.5               |
| 7/29/2004 | 52         | 22.1                      | 29.9               |
| 7/30/2004 | 42         | 11.4                      | 30.6               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/11/2004 | 16         | 6.2                       | 9.8                |
| 6/12/2004 | 15         | 5.1                       | 9.9                |
| 6/13/2004 | 14         | 4.0                       | 10.0               |
| 6/14/2004 | 13         | 3.0                       | 10.0               |
| 6/15/2004 | 12         | 2.0                       | 10.0               |
| 6/16/2004 | 11         | 1.1                       | 9.9                |
| 6/17/2004 | 10         | 0.2                       | 9.8                |
| 6/18/2004 | 9.4        | 0.0                       | 9.4                |
| 6/19/2004 | 9.3        | 0.0                       | 9.3                |
| 6/20/2004 | 11         | 1.7                       | 9.3                |
| 6/21/2004 | 19         | 9.4                       | 9.6                |
| 6/22/2004 | 19         | 9.2                       | 9.8                |
| 6/23/2004 | 18         | 7.9                       | 10.1               |
| 6/24/2004 | 15         | 4.9                       | 10.1               |
| 6/25/2004 | 14         | 3.8                       | 10.2               |
| 6/26/2004 | 13         | 2.8                       | 10.2               |
| 6/27/2004 | 11         | 0.9                       | 10.1               |
| 6/28/2004 | 11         | 0.9                       | 10.1               |
| 6/29/2004 | 10         | 0.0                       | 10.0               |
| 6/30/2004 | 9.7        | 0.0                       | 9.7                |
| 7/1/2004  | 10         | 0.4                       | 9.6                |
| 7/2/2004  | 10         | 0.5                       | 9.5                |
| 7/3/2004  | 9.8        | 0.3                       | 9.5                |
| 7/4/2004  | 9.7        | 0.3                       | 9.4                |
| 7/5/2004  | 8.7        | 0.0                       | 8.7                |
| 7/6/2004  | 8.8        | 0.2                       | 8.6                |
| 7/7/2004  | 9.4        | 0.8                       | 8.6                |
| 7/8/2004  | 9.6        | 1.1                       | 8.5                |
| 7/9/2004  | 9          | 0.5                       | 8.5                |
| 7/10/2004 | 9          | 0.6                       | 8.4                |
| 7/11/2004 | 9          | 0.7                       | 8.3                |
| 7/12/2004 | 8.9        | 0.6                       | 8.3                |
| 7/13/2004 | 10         | 1.7                       | 8.3                |
| 7/14/2004 | 11         | 2.7                       | 8.3                |
| 7/15/2004 | 8          | 0.0                       | 8.0                |
| 7/16/2004 | 8          | 0.1                       | 7.9                |
| 7/17/2004 | 7.8        | 0.0                       | 7.8                |
| 7/18/2004 | 7.9        | 0.2                       | 7.7                |
| 7/19/2004 | 8.9        | 1.2                       | 7.7                |
| 7/20/2004 | 8.5        | 0.8                       | 7.7                |
| 7/21/2004 | 8.7        | 1.1                       | 7.6                |
| 7/22/2004 | 8.6        | 1.0                       | 7.6                |
| 7/23/2004 | 8.8        | 1.2                       | 7.6                |
| 7/24/2004 | 9.2        | 1.6                       | 7.6                |
| 7/25/2004 | 8.2        | 0.7                       | 7.5                |
| 7/26/2004 | 7.8        | 0.4                       | 7.4                |
| 7/27/2004 | 8.7        | 1.3                       | 7.4                |
| 7/28/2004 | 10         | 2.6                       | 7.4                |
| 7/29/2004 | 10         | 2.5                       | 7.5                |
| 7/30/2004 | 9.9        | 2.4                       | 7.5                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/11/2004 | 50         | 6.8                       | 43.2               |
| 6/12/2004 | 49         | 6.1                       | 42.9               |
| 6/13/2004 | 48         | 5.6                       | 42.4               |
| 6/14/2004 | 45         | 3.1                       | 41.9               |
| 6/15/2004 | 41         | 0.0                       | 41.0               |
| 6/16/2004 | 37         | 0.0                       | 37.0               |
| 6/17/2004 | 39         | 2.5                       | 36.5               |
| 6/18/2004 | 38         | 2.1                       | 35.9               |
| 6/19/2004 | 45         | 9.1                       | 35.9               |
| 6/20/2004 | 51         | 14.6                      | 36.4               |
| 6/21/2004 | 254        | 202.2                     | 51.8               |
| 6/22/2004 | 288        | 219.7                     | 68.3               |
| 6/23/2004 | 247        | 166.7                     | 80.3               |
| 6/24/2004 | 151        | 66.9                      | 84.1               |
| 6/25/2004 | 117        | 32.1                      | 84.9               |
| 6/26/2004 | 81         | 0.0                       | 81.0               |
| 6/27/2004 | 66         | 0.0                       | 66.0               |
| 6/28/2004 | 55         | 0.0                       | 59.0               |
| 6/29/2004 | 55         | 0.0                       | 55.0               |
| 6/30/2004 | 38         | 0.0                       | 38.0               |
| 7/1/2004  | 34         | 0.0                       | 34.0               |
| 7/2/2004  | 51         | 16.4                      | 34.6               |
| 7/3/2004  | 46         | 11.2                      | 34.8               |
| 7/4/2004  | 133        | 91.5                      | 41.5               |
| 7/5/2004  | 208        | 155.0                     | 53.0               |
| 7/6/2004  | 244        | 177.8                     | 66.2               |
| 7/7/2004  | 198        | 123.3                     | 74.7               |
| 7/8/2004  | 152        | 72.9                      | 79.1               |
| 7/9/2004  | 98         | 19.0                      | 79.0               |
| 7/10/2004 | 90         | 11.6                      | 78.4               |
| 7/11/2004 | 77         | 0.2                       | 76.8               |
| 7/12/2004 | 70         | 0.0                       | 70.0               |
| 7/13/2004 | 62         | 0.0                       | 62.0               |
| 7/14/2004 | 50         | 0.0                       | 50.0               |
| 7/15/2004 | 47         | 0.0                       | 47.0               |
| 7/16/2004 | 40         | 0.0                       | 40.0               |
| 7/17/2004 | 45         | 5.4                       | 39.6               |
| 7/18/2004 | 48         | 8.5                       | 39.5               |
| 7/19/2004 | 53         | 13.2                      | 39.8               |
| 7/20/2004 | 68         | 26.9                      | 41.1               |
| 7/21/2004 | 61         | 19.2                      | 41.8               |
| 7/22/2004 | 51         | 9.3                       | 41.7               |
| 7/23/2004 | 44         | 2.9                       | 41.1               |
| 7/24/2004 | 32         | 0.0                       | 32.0               |
| 7/25/2004 | 32         | 0.6                       | 31.4               |
| 7/26/2004 | 38         | 6.7                       | 31.3               |
| 7/27/2004 | 60         | 27.1                      | 32.9               |
| 7/28/2004 | 55         | 21.1                      | 33.9               |
| 7/29/2004 | 57         | 22.0                      | 35.0               |
| 7/30/2004 | 60         | 23.8                      | 36.2               |

Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/31/2004 | 35         | 4.9                       | 30.1               |
| 8/1/2004  | 34         | 4.4                       | 29.6               |
| 8/2/2004  | 35         | 5.7                       | 29.3               |
| 8/3/2004  | 38         | 8.5                       | 29.5               |
| 8/4/2004  | 38         | 8.3                       | 29.7               |
| 8/5/2004  | 41         | 10.8                      | 30.2               |
| 8/6/2004  | 47         | 15.5                      | 31.5               |
| 8/7/2004  | 54         | 20.5                      | 33.5               |
| 8/8/2004  | 59         | 23.1                      | 35.9               |
| 8/9/2004  | 71         | 31.5                      | 39.5               |
| 8/10/2004 | 126        | 75.9                      | 50.1               |
| 8/11/2004 | 173        | 107.7                     | 65.3               |
| 8/12/2004 | 122        | 51.1                      | 70.9               |
| 8/13/2004 | 85         | 14.6                      | 70.4               |
| 8/14/2004 | 70         | 2.1                       | 67.9               |
| 8/15/2004 | 73         | 6.7                       | 66.3               |
| 8/16/2004 | 96         | 27.9                      | 68.1               |
| 8/17/2004 | 96         | 26.4                      | 69.6               |
| 8/18/2004 | 93         | 22.6                      | 70.4               |
| 8/19/2004 | 140        | 62.4                      | 77.6               |
| 8/20/2004 | 168        | 80.6                      | 87.4               |
| 8/21/2004 | 120        | 31.1                      | 88.9               |
| 8/22/2004 | 93         | 6.6                       | 86.4               |
| 8/23/2004 | 109        | 22.5                      | 86.5               |
| 8/24/2004 | 340        | 221.5                     | 118.5              |
| 8/25/2004 | 120        | 5.4                       | 114.6              |
| 8/26/2004 | 91         | 0.0                       | 91.0               |
| 8/27/2004 | 64         | 0.0                       | 64.0               |
| 8/28/2004 | 80         | 16.0                      | 64.0               |
| 8/29/2004 | 120        | 50.5                      | 69.5               |
| 8/30/2004 | 145        | 67.5                      | 77.5               |
| 8/31/2004 | 175        | 86.7                      | 88.3               |
| 9/1/2004  | 148        | 54.5                      | 93.5               |
| 9/2/2004  | 96         | 5.4                       | 90.6               |
| 9/3/2004  | 65         | 0.0                       | 65.0               |
| 9/4/2004  | 168        | 91.0                      | 77.0               |
| 9/5/2004  | 1400       | 1143.2                    | 256.8              |
| 9/6/2004  | 1500       | 1080.6                    | 419.4              |
| 9/7/2004  | 1200       | 687.4                     | 512.6              |
| 9/8/2004  | 1060       | 489.6                     | 570.4              |
| 9/9/2004  | 881        | 287.4                     | 593.6              |
| 9/10/2004 | 740        | 146.7                     | 593.3              |
| 9/11/2004 | 621        | 44.3                      | 576.7              |
| 9/12/2004 | 534        | 0.0                       | 534.0              |
| 9/13/2004 | 460        | 0.0                       | 460.0              |
| 9/14/2004 | 420        | 0.0                       | 420.0              |
| 9/15/2004 | 375        | 0.0                       | 375.0              |
| 9/16/2004 | 300        | 0.0                       | 300.0              |
| 9/17/2004 | 200        | 0.0                       | 200.0              |
| 9/18/2004 | 150        | 0.0                       | 150.0              |

North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/31/2004 | 9.9        | 2.4                       | 7.5                |
| 8/1/2004  | 10         | 2.5                       | 7.5                |
| 8/2/2004  | 11         | 3.4                       | 7.6                |
| 8/3/2004  | 11         | 3.3                       | 7.7                |
| 8/4/2004  | 12         | 4.2                       | 7.8                |
| 8/5/2004  | 15         | 7.0                       | 8.0                |
| 8/6/2004  | 15         | 6.9                       | 8.1                |
| 8/7/2004  | 14         | 5.7                       | 8.3                |
| 8/8/2004  | 21         | 12.3                      | 8.7                |
| 8/9/2004  | 26         | 16.7                      | 9.3                |
| 8/10/2004 | 33         | 22.9                      | 10.1               |
| 8/11/2004 | 37         | 26.0                      | 11.0               |
| 8/12/2004 | 35         | 23.1                      | 11.9               |
| 8/13/2004 | 40         | 27.2                      | 12.8               |
| 8/14/2004 | 50         | 35.9                      | 14.1               |
| 8/15/2004 | 74         | 57.7                      | 16.3               |
| 8/16/2004 | 77         | 58.5                      | 18.5               |
| 8/17/2004 | 48         | 28.6                      | 19.4               |
| 8/18/2004 | 40         | 20.0                      | 20.0               |
| 8/19/2004 | 37         | 16.5                      | 20.5               |
| 8/20/2004 | 34         | 13.2                      | 20.8               |
| 8/21/2004 | 31         | 10.0                      | 21.0               |
| 8/22/2004 | 28         | 6.9                       | 21.1               |
| 8/23/2004 | 30         | 8.8                       | 21.2               |
| 8/24/2004 | 53         | 30.8                      | 22.2               |
| 8/25/2004 | 60         | 36.5                      | 23.5               |
| 8/26/2004 | 49         | 24.8                      | 24.2               |
| 8/27/2004 | 40         | 15.4                      | 24.6               |
| 8/28/2004 | 38         | 13.1                      | 24.9               |
| 8/29/2004 | 40         | 14.8                      | 25.2               |
| 8/30/2004 | 47         | 21.2                      | 25.8               |
| 8/31/2004 | 48         | 21.6                      | 26.4               |
| 9/1/2004  | 54         | 26.8                      | 27.2               |
| 9/2/2004  | 40         | 12.5                      | 27.5               |
| 9/3/2004  | 31         | 3.7                       | 27.3               |
| 9/4/2004  | 44         | 16.3                      | 27.7               |
| 9/6/2004  | 545        | 478.3                     | 66.7               |
| 9/7/2004  | 418        | 338.4                     | 79.6               |
| 9/8/2004  | 281        | 194.4                     | 86.6               |
| 9/9/2004  | 229        | 137.8                     | 91.2               |
| 9/10/2004 | 180        | 86.2                      | 93.8               |
| 9/11/2004 | 149        | 54.0                      | 95.0               |
| 9/12/2004 | 123        | 27.9                      | 95.1               |
| 9/13/2004 | 101        | 6.5                       | 94.5               |
| 9/14/2004 | 87         | 0.0                       | 87.0               |
| 9/15/2004 | 78         | 0.0                       | 78.0               |
| 9/16/2004 | 72         | 0.0                       | 72.0               |
| 9/17/2004 | 74         | 2.6                       | 71.4               |
| 9/18/2004 | 98         | 26.3                      | 71.7               |

Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/31/2004 | 54         | 17.2                      | 36.8               |
| 8/1/2004  | 55         | 17.5                      | 37.5               |
| 8/2/2004  | 57         | 18.8                      | 38.2               |
| 8/3/2004  | 56         | 17.1                      | 38.9               |
| 8/4/2004  | 56         | 16.6                      | 39.4               |
| 8/5/2004  | 53         | 13.3                      | 39.7               |
| 8/6/2004  | 59         | 18.6                      | 40.4               |
| 8/7/2004  | 100        | 56.0                      | 44.0               |
| 8/8/2004  | 137        | 86.9                      | 50.1               |
| 8/9/2004  | 143        | 86.9                      | 56.1               |
| 8/10/2004 | 154        | 91.7                      | 62.3               |
| 8/11/2004 | 160        | 91.6                      | 68.4               |
| 8/12/2004 | 144        | 71.3                      | 72.7               |
| 8/13/2004 | 125        | 49.8                      | 75.2               |
| 8/14/2004 | 123        | 45.6                      | 77.4               |
| 8/15/2004 | 185        | 101.1                     | 83.9               |
| 8/16/2004 | 162        | 73.9                      | 88.1               |
| 8/17/2004 | 136        | 45.9                      | 90.1               |
| 8/18/2004 | 128        | 36.8                      | 91.2               |
| 8/19/2004 | 121        | 29.3                      | 91.7               |
| 8/20/2004 | 110        | 18.6                      | 91.4               |
| 8/21/2004 | 99         | 8.8                       | 90.2               |
| 8/22/2004 | 93         | 4.2                       | 89.8               |
| 8/23/2004 | 120        | 30.6                      | 89.4               |
| 8/24/2004 | 280        | 178.1                     | 101.9              |
| 8/25/2004 | 266        | 153.8                     | 112.2              |
| 8/26/2004 | 207        | 89.9                      | 117.1              |
| 8/27/2004 | 236        | 112.2                     | 123.8              |
| 8/28/2004 | 217        | 88.6                      | 128.4              |
| 8/29/2004 | 189        | 58.5                      | 130.5              |
| 8/30/2004 | 186        | 53.8                      | 132.2              |
| 8/31/2004 | 205        | 69.9                      | 135.1              |
| 9/1/2004  | 189        | 52.4                      | 136.6              |
| 9/2/2004  | 171        | 34.4                      | 136.6              |
| 9/3/2004  | 149        | 14.0                      | 135.0              |
| 9/4/2004  | 384        | 233.0                     | 151.0              |
| 9/5/2004  | 1140       | 918.6                     | 221.4              |
| 9/6/2004  | 1150       | 863.9                     | 286.1              |
| 9/7/2004  | 1030       | 694.1                     | 335.9              |
| 9/8/2004  | 817        | 451.7                     | 365.3              |
| 9/9/2004  | 591        | 215.7                     | 375.3              |
| 9/10/2004 | 411        | 40.0                      | 371.0              |
| 9/11/2004 | 298        | 0.0                       | 298.0              |
| 9/12/2004 | 245        | 0.0                       | 245.0              |
| 9/13/2004 | 213        | 0.0                       | 213.0              |
| 9/14/2004 | 196        | 0.0                       | 196.0              |
| 9/15/2004 | 168        | 0.0                       | 168.0              |
| 9/16/2004 | 149        | 0.0                       | 149.0              |
| 9/17/2004 | 130        | 0.0                       | 130.0              |
| 9/18/2004 | 106        | 0.0                       | 106.0              |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/19/2004  | 160        | 13.8                      | 146.2              |
| 9/20/2004  | 220        | 68.7                      | 151.3              |
| 9/21/2004  | 805        | 568.7                     | 236.3              |
| 9/22/2004  | 745        | 446.7                     | 298.3              |
| 9/23/2004  | 568        | 260.0                     | 328.0              |
| 9/24/2004  | 469        | 132.9                     | 336.1              |
| 9/25/2004  | 420        | 83.9                      | 336.1              |
| 9/26/2004  | 1300       | 842.5                     | 457.5              |
| 9/27/2004  | 2660       | 1914.5                    | 745.5              |
| 9/28/2004  | 1750       | 891.7                     | 858.3              |
| 9/29/2004  | 969        | 125.0                     | 844.0              |
| 9/30/2004  | 761        | 0.0                       | 761.0              |
| 10/1/2004  | 619        | 0.0                       | 619.0              |
| 10/2/2004  | 537        | 0.0                       | 537.0              |
| 10/3/2004  | 485        | 0.0                       | 485.0              |
| 10/4/2004  | 449        | 0.0                       | 449.0              |
| 10/5/2004  | 458        | 23.2                      | 434.8              |
| 10/6/2004  | 576        | 136.8                     | 439.2              |
| 10/7/2004  | 595        | 149.4                     | 445.6              |
| 10/8/2004  | 518        | 77.8                      | 440.2              |
| 10/9/2004  | 462        | 34.0                      | 428.0              |
| 10/10/2004 | 422        | 9.6                       | 412.4              |
| 10/11/2004 | 399        | 2.6                       | 396.4              |
| 10/12/2004 | 415        | 29.7                      | 385.3              |
| 10/13/2004 | 465        | 82.0                      | 383.0              |
| 10/14/2004 | 477        | 94.3                      | 382.7              |
| 10/15/2004 | 386        | 16.0                      | 370.0              |
| 10/16/2004 | 318        | 0.0                       | 318.0              |
| 10/17/2004 | 288        | 0.0                       | 288.0              |
| 10/18/2004 | 278        | 1.3                       | 276.7              |
| 10/19/2004 | 283        | 15.0                      | 268.0              |
| 10/20/2004 | 290        | 28.2                      | 261.8              |
| 10/21/2004 | 283        | 27.3                      | 255.7              |
| 10/22/2004 | 266        | 17.7                      | 248.3              |
| 10/23/2004 | 248        | 8.3                       | 239.7              |
| 10/24/2004 | 232        | 1.6                       | 230.4              |
| 10/25/2004 | 216        | 0.0                       | 216.0              |
| 10/26/2004 | 199        | 0.0                       | 199.0              |
| 10/27/2004 | 169        | 0.0                       | 169.0              |
| 10/28/2004 | 137        | 0.0                       | 137.0              |
| 10/29/2004 | 120        | 0.0                       | 120.0              |
| 10/30/2004 | 109        | 0.0                       | 109.0              |
| 10/31/2004 | 99         | 0.0                       | 99.0               |
| 11/1/2004  | 89         | 0.0                       | 89.0               |
| 11/2/2004  | 84         | 0.0                       | 84.0               |
| 11/3/2004  | 88         | 6.3                       | 81.7               |
| 11/4/2004  | 92         | 11.7                      | 80.3               |
| 11/5/2004  | 85         | 6.8                       | 78.2               |
| 11/6/2004  | 81         | 5.2                       | 75.8               |
| 11/7/2004  | 75         | 1.9                       | 73.1               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/19/2004  | 95         | 23.1                      | 71.9               |
| 9/20/2004  | 128        | 54.6                      | 73.4               |
| 9/21/2004  | 392        | 307.1                     | 84.9               |
| 9/22/2004  | 300        | 207.6                     | 92.4               |
| 9/23/2004  | 209        | 113.0                     | 96.0               |
| 9/24/2004  | 143        | 46.1                      | 96.9               |
| 9/25/2004  | 120        | 23.2                      | 96.8               |
| 9/26/2004  | 2520       | 2330.9                    | 189.1              |
| 9/27/2004  | 1840       | 1589.2                    | 250.8              |
| 9/28/2004  | 1150       | 867.0                     | 283.0              |
| 9/29/2004  | 786        | 486.4                     | 299.6              |
| 9/30/2004  | 552        | 245.6                     | 306.4              |
| 10/1/2004  | 381        | 74.7                      | 306.3              |
| 10/2/2004  | 267        | 0.0                       | 267.0              |
| 10/3/2004  | 192        | 0.0                       | 192.0              |
| 10/4/2004  | 147        | 0.0                       | 147.0              |
| 10/5/2004  | 146        | 0.5                       | 145.5              |
| 10/6/2004  | 414        | 259.5                     | 154.5              |
| 10/7/2004  | 320        | 180.6                     | 159.4              |
| 10/8/2004  | 250        | 88.7                      | 161.3              |
| 10/9/2004  | 200        | 38.8                      | 161.2              |
| 10/10/2004 | 180        | 19.6                      | 160.4              |
| 10/11/2004 | 150        | 0.0                       | 150.0              |
| 10/12/2004 | 170        | 20.7                      | 149.3              |
| 10/13/2004 | 130        | 0.0                       | 130.0              |
| 10/14/2004 | 109        | 0.0                       | 109.0              |
| 10/15/2004 | 107        | 0.0                       | 107.0              |
| 10/16/2004 | 109        | 3.0                       | 106.0              |
| 10/17/2004 | 95         | 0.0                       | 95.0               |
| 10/18/2004 | 88         | 0.0                       | 88.0               |
| 10/19/2004 | 83         | 0.0                       | 83.0               |
| 10/20/2004 | 79         | 0.0                       | 79.0               |
| 10/21/2004 | 77         | 0.0                       | 77.0               |
| 10/22/2004 | 72         | 0.0                       | 72.0               |
| 10/23/2004 | 69         | 0.0                       | 69.0               |
| 10/24/2004 | 67         | 0.0                       | 67.0               |
| 10/25/2004 | 63         | 0.0                       | 63.0               |
| 10/26/2004 | 59         | 0.0                       | 59.0               |
| 10/27/2004 | 59         | 0.6                       | 58.4               |
| 10/28/2004 | 57         | 0.0                       | 57.0               |
| 10/29/2004 | 57         | 0.5                       | 56.5               |
| 10/30/2004 | 56         | 0.1                       | 55.9               |
| 10/31/2004 | 54         | 0.0                       | 54.0               |
| 11/1/2004  | 52         | 0.0                       | 52.0               |
| 11/2/2004  | 50         | 0.0                       | 50.0               |
| 11/3/2004  | 48         | 0.0                       | 48.0               |
| 11/4/2004  | 46         | 0.0                       | 46.0               |
| 11/5/2004  | 43         | 0.0                       | 43.0               |
| 11/6/2004  | 37         | 0.0                       | 37.0               |
| 11/7/2004  | 33         | 0.0                       | 33.0               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/19/2004  | 95         | 0.0                       | 95.0               |
| 9/20/2004  | 106        | 11.9                      | 94.1               |
| 9/21/2004  | 283        | 176.7                     | 106.3              |
| 9/22/2004  | 313        | 193.3                     | 119.7              |
| 9/23/2004  | 248        | 121.1                     | 126.9              |
| 9/24/2004  | 185        | 56.1                      | 128.9              |
| 9/25/2004  | 359        | 215.4                     | 143.6              |
| 9/26/2004  | 1600       | 1351.2                    | 248.8              |
| 9/27/2004  | 1400       | 1070.6                    | 329.4              |
| 9/28/2004  | 1220       | 830.7                     | 389.3              |
| 9/29/2004  | 942        | 519.0                     | 423.0              |
| 9/30/2004  | 672        | 238.4                     | 433.6              |
| 10/1/2004  | 441        | 14.8                      | 426.2              |
| 10/2/2004  | 292        | 0.0                       | 292.0              |
| 10/3/2004  | 235        | 0.0                       | 235.0              |
| 10/4/2004  | 199        | 0.0                       | 199.0              |
| 10/5/2004  | 172        | 0.0                       | 172.0              |
| 10/6/2004  | 194        | 23.6                      | 170.4              |
| 10/7/2004  | 208        | 37.9                      | 170.1              |
| 10/8/2004  | 191        | 22.5                      | 168.5              |
| 10/9/2004  | 163        | 0.0                       | 163.0              |
| 10/10/2004 | 144        | 0.0                       | 144.0              |
| 10/11/2004 | 137        | 0.0                       | 137.0              |
| 10/12/2004 | 175        | 37.7                      | 137.3              |
| 10/13/2004 | 155        | 19.0                      | 136.0              |
| 10/14/2004 | 131        | 0.0                       | 131.0              |
| 10/15/2004 | 114        | 0.0                       | 114.0              |
| 10/16/2004 | 117        | 4.9                       | 112.1              |
| 10/17/2004 | 113        | 2.9                       | 110.1              |
| 10/18/2004 | 105        | 0.0                       | 105.0              |
| 10/19/2004 | 90         | 0.0                       | 90.0               |
| 10/20/2004 | 87         | 0.0                       | 87.0               |
| 10/21/2004 | 94         | 8.1                       | 85.9               |
| 10/22/2004 | 86         | 1.7                       | 84.3               |
| 10/23/2004 | 78         | 0.0                       | 78.0               |
| 10/24/2004 | 78         | 1.4                       | 76.6               |
| 10/25/2004 | 77         | 1.8                       | 75.2               |
| 10/26/2004 | 90         | 15.1                      | 74.9               |
| 10/27/2004 | 82         | 8.0                       | 74.0               |
| 10/28/2004 | 79         | 6.0                       | 73.0               |
| 10/29/2004 | 78         | 6.0                       | 72.0               |
| 10/30/2004 | 81         | 9.6                       | 71.4               |
| 10/31/2004 | 77         | 6.5                       | 70.5               |
| 11/1/2004  | 76         | 6.4                       | 69.6               |
| 11/2/2004  | 74         | 5.4                       | 68.6               |
| 11/3/2004  | 77         | 9.0                       | 68.0               |
| 11/4/2004  | 75         | 7.8                       | 67.2               |
| 11/5/2004  | 70         | 3.8                       | 66.2               |
| 11/6/2004  | 68         | 2.9                       | 65.1               |
| 11/7/2004  | 66         | 2.0                       | 64.0               |



## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/8/2004  | 66         | 0.0                       | 66.0               |
| 11/9/2004  | 63         | 0.0                       | 63.0               |
| 11/10/2004 | 66         | 4.8                       | 61.2               |
| 11/11/2004 | 63         | 3.6                       | 59.4               |
| 11/12/2004 | 62         | 4.3                       | 57.7               |
| 11/13/2004 | 64         | 7.4                       | 56.6               |
| 11/14/2004 | 70         | 13.5                      | 56.5               |
| 11/15/2004 | 72         | 15.3                      | 56.7               |
| 11/16/2004 | 68         | 11.7                      | 56.3               |
| 11/17/2004 | 65         | 9.5                       | 55.5               |
| 11/18/2004 | 62         | 7.5                       | 54.5               |
| 11/19/2004 | 60         | 6.6                       | 53.4               |
| 11/20/2004 | 58         | 5.8                       | 52.2               |
| 11/21/2004 | 54         | 3.4                       | 50.6               |
| 11/22/2004 | 52         | 2.9                       | 49.1               |
| 11/23/2004 | 50         | 2.5                       | 47.5               |
| 11/24/2004 | 47         | 1.2                       | 45.8               |
| 11/25/2004 | 48         | 3.5                       | 44.5               |
| 11/26/2004 | 53         | 8.8                       | 44.2               |
| 11/27/2004 | 51         | 7.4                       | 43.6               |
| 11/28/2004 | 51         | 7.9                       | 43.1               |
| 11/29/2004 | 50         | 7.4                       | 42.6               |
| 11/30/2004 | 45         | 3.6                       | 41.4               |
| 12/1/2004  | 43         | 2.8                       | 40.2               |
| 12/2/2004  | 43         | 3.8                       | 39.2               |
| 12/3/2004  | 45         | 6.3                       | 38.7               |
| 12/4/2004  | 48         | 9.4                       | 38.6               |
| 12/5/2004  | 46         | 7.7                       | 38.3               |
| 12/6/2004  | 42         | 4.5                       | 37.5               |
| 12/7/2004  | 40         | 3.5                       | 36.5               |
| 12/8/2004  | 39         | 3.4                       | 35.6               |
| 12/9/2004  | 37         | 2.4                       | 34.6               |
| 12/10/2004 | 36         | 2.4                       | 33.6               |
| 12/11/2004 | 41         | 7.5                       | 33.5               |
| 12/12/2004 | 42         | 8.5                       | 33.5               |
| 12/13/2004 | 40         | 6.8                       | 33.2               |
| 12/14/2004 | 43         | 9.6                       | 33.4               |
| 12/15/2004 | 48         | 13.7                      | 34.3               |
| 12/16/2004 | 43         | 8.7                       | 34.3               |
| 12/17/2004 | 41         | 7.0                       | 34.0               |
| 12/18/2004 | 54         | 18.4                      | 35.6               |
| 12/19/2004 | 63         | 24.8                      | 38.2               |
| 12/20/2004 | 62         | 21.9                      | 40.1               |
| 12/21/2004 | 57         | 15.9                      | 41.1               |
| 12/22/2004 | 51         | 10.0                      | 41.0               |
| 12/23/2004 | 51         | 10.0                      | 41.0               |
| 12/24/2004 | 59         | 16.9                      | 42.1               |
| 12/25/2004 | 83         | 36.7                      | 46.3               |
| 12/26/2004 | 128        | 72.1                      | 55.9               |
| 12/27/2004 | 138        | 72.7                      | 65.3               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/8/2004  | 33         | 0.3                       | 32.7               |
| 11/9/2004  | 35         | 2.5                       | 32.5               |
| 11/10/2004 | 46         | 13.3                      | 32.7               |
| 11/11/2004 | 41         | 8.3                       | 32.7               |
| 11/12/2004 | 38         | 5.4                       | 32.6               |
| 11/13/2004 | 37         | 4.6                       | 32.4               |
| 11/14/2004 | 44         | 11.4                      | 32.6               |
| 11/15/2004 | 40         | 7.5                       | 32.5               |
| 11/16/2004 | 34         | 1.7                       | 32.3               |
| 11/17/2004 | 35         | 2.9                       | 32.1               |
| 11/18/2004 | 32         | 0.2                       | 31.8               |
| 11/19/2004 | 30         | 0.0                       | 30.0               |
| 11/20/2004 | 29         | 0.0                       | 29.0               |
| 11/21/2004 | 27         | 0.0                       | 27.0               |
| 11/22/2004 | 27         | 0.3                       | 26.7               |
| 11/23/2004 | 24         | 0.0                       | 24.0               |
| 11/24/2004 | 25         | 1.2                       | 23.8               |
| 11/25/2004 | 25         | 1.4                       | 23.6               |
| 11/26/2004 | 23         | 0.0                       | 23.0               |
| 11/27/2004 | 23         | 0.2                       | 22.8               |
| 11/28/2004 | 23         | 0.4                       | 22.6               |
| 11/29/2004 | 22         | 0.0                       | 22.0               |
| 11/30/2004 | 21         | 0.0                       | 21.0               |
| 12/1/2004  | 20         | 0.0                       | 20.0               |
| 12/2/2004  | 19         | 0.0                       | 19.0               |
| 12/3/2004  | 18         | 0.0                       | 18.0               |
| 12/4/2004  | 18         | 0.2                       | 17.8               |
| 12/5/2004  | 18         | 0.3                       | 17.7               |
| 12/6/2004  | 18         | 0.5                       | 17.5               |
| 12/7/2004  | 20         | 2.6                       | 17.4               |
| 12/8/2004  | 26         | 8.4                       | 17.6               |
| 12/9/2004  | 32         | 14.0                      | 18.0               |
| 12/10/2004 | 33         | 14.6                      | 18.4               |
| 12/11/2004 | 36         | 17.1                      | 18.9               |
| 12/12/2004 | 33         | 13.8                      | 19.2               |
| 12/13/2004 | 32         | 12.4                      | 19.6               |
| 12/14/2004 | 33         | 13.1                      | 19.9               |
| 12/15/2004 | 36         | 15.7                      | 20.3               |
| 12/16/2004 | 35         | 14.3                      | 20.7               |
| 12/17/2004 | 34         | 13.0                      | 21.0               |
| 12/18/2004 | 39         | 17.5                      | 21.5               |
| 12/19/2004 | 37         | 15.1                      | 21.9               |
| 12/20/2004 | 34         | 11.9                      | 22.1               |
| 12/21/2004 | 33         | 10.7                      | 22.3               |
| 12/22/2004 | 34         | 11.4                      | 22.6               |
| 12/23/2004 | 34         | 11.2                      | 22.8               |
| 12/24/2004 | 33         | 10.0                      | 23.0               |
| 12/25/2004 | 48         | 24.3                      | 23.7               |
| 12/26/2004 | 83         | 57.2                      | 25.8               |
| 12/27/2004 | 65         | 38.0                      | 27.0               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/8/2004  | 65         | 2.2                       | 62.8               |
| 11/9/2004  | 66         | 4.1                       | 61.9               |
| 11/10/2004 | 80         | 17.9                      | 62.1               |
| 11/11/2004 | 106        | 41.8                      | 64.2               |
| 11/12/2004 | 91         | 26.0                      | 65.0               |
| 11/13/2004 | 81         | 16.0                      | 65.0               |
| 11/14/2004 | 76         | 11.4                      | 64.6               |
| 11/15/2004 | 72         | 8.0                       | 64.0               |
| 11/16/2004 | 65         | 2.2                       | 62.8               |
| 11/17/2004 | 61         | 0.0                       | 61.0               |
| 11/18/2004 | 60         | 0.2                       | 59.8               |
| 11/19/2004 | 60         | 1.3                       | 58.7               |
| 11/20/2004 | 67         | 8.8                       | 58.2               |
| 11/21/2004 | 68         | 10.1                      | 57.9               |
| 11/22/2004 | 65         | 7.7                       | 57.3               |
| 11/23/2004 | 65         | 8.2                       | 56.8               |
| 11/24/2004 | 66         | 9.5                       | 56.5               |
| 11/25/2004 | 65         | 8.9                       | 56.1               |
| 11/26/2004 | 62         | 6.5                       | 55.5               |
| 11/27/2004 | 62         | 7.1                       | 54.9               |
| 11/28/2004 | 61         | 6.7                       | 54.3               |
| 11/29/2004 | 59         | 5.3                       | 53.7               |
| 11/30/2004 | 58         | 5.0                       | 53.0               |
| 12/1/2004  | 57         | 4.7                       | 52.3               |
| 12/2/2004  | 54         | 2.5                       | 51.5               |
| 12/3/2004  | 54         | 3.3                       | 50.7               |
| 12/4/2004  | 56         | 5.8                       | 50.2               |
| 12/5/2004  | 57         | 7.3                       | 49.7               |
| 12/6/2004  | 56         | 6.7                       | 49.3               |
| 12/7/2004  | 51         | 2.5                       | 48.5               |
| 12/8/2004  | 49         | 1.4                       | 47.6               |
| 12/9/2004  | 53         | 5.8                       | 47.2               |
| 12/10/2004 | 69         | 21.1                      | 47.9               |
| 12/11/2004 | 77         | 27.8                      | 49.2               |
| 12/12/2004 | 68         | 18.3                      | 49.7               |
| 12/13/2004 | 63         | 13.3                      | 49.7               |
| 12/14/2004 | 62         | 12.3                      | 49.7               |
| 12/15/2004 | 60         | 10.4                      | 49.6               |
| 12/16/2004 | 59         | 9.7                       | 49.3               |
| 12/17/2004 | 62         | 12.6                      | 49.4               |
| 12/18/2004 | 60         | 10.8                      | 49.2               |
| 12/19/2004 | 78         | 27.5                      | 50.5               |
| 12/20/2004 | 63         | 12.6                      | 50.4               |
| 12/21/2004 | 53         | 3.3                       | 49.7               |
| 12/22/2004 | 57         | 7.7                       | 49.3               |
| 12/23/2004 | 74         | 23.8                      | 50.2               |
| 12/24/2004 | 74         | 22.9                      | 51.1               |
| 12/25/2004 | 82         | 29.6                      | 52.4               |
| 12/26/2004 | 127        | 70.0                      | 57.0               |
| 12/27/2004 | 109        | 49.2                      | 59.8               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/28/2004 | 118        | 47.7                      | 70.3               |
| 12/29/2004 | 100        | 28.0                      | 72.0               |
| 12/30/2004 | 90         | 18.0                      | 72.0               |
| 12/31/2004 | 82         | 11.1                      | 70.9               |
| 1/1/2005   | 77         | 7.7                       | 69.3               |
| 1/2/2005   | 74         | 6.4                       | 67.6               |
| 1/3/2005   | 71         | 5.3                       | 65.7               |
| 1/4/2005   | 68         | 4.2                       | 63.8               |
| 1/5/2005   | 64         | 2.4                       | 61.6               |
| 1/6/2005   | 60         | 0.8                       | 59.2               |
| 1/7/2005   | 60         | 2.7                       | 57.3               |
| 1/8/2005   | 61         | 5.2                       | 55.8               |
| 1/9/2005   | 62         | 7.2                       | 54.8               |
| 1/10/2005  | 60         | 6.4                       | 53.6               |
| 1/11/2005  | 57         | 4.8                       | 52.2               |
| 1/12/2005  | 56         | 5.1                       | 50.9               |
| 1/13/2005  | 54         | 4.4                       | 49.6               |
| 1/14/2005  | 73         | 21.9                      | 51.1               |
| 1/15/2005  | 118        | 59.4                      | 58.6               |
| 1/16/2005  | 132        | 65.3                      | 66.7               |
| 1/17/2005  | 121        | 49.1                      | 71.9               |
| 1/18/2005  | 107        | 32.8                      | 74.2               |
| 1/19/2005  | 94         | 19.6                      | 74.4               |
| 1/20/2005  | 86         | 12.6                      | 73.4               |
| 1/21/2005  | 82         | 9.9                       | 72.1               |
| 1/22/2005  | 77         | 6.7                       | 70.3               |
| 1/23/2005  | 78         | 9.1                       | 68.9               |
| 1/24/2005  | 79         | 11.1                      | 67.9               |
| 1/25/2005  | 74         | 7.6                       | 66.4               |
| 1/26/2005  | 71         | 6.2                       | 64.8               |
| 1/27/2005  | 72         | 8.5                       | 63.5               |
| 1/28/2005  | 75         | 12.1                      | 62.9               |
| 1/29/2005  | 75         | 12.6                      | 62.4               |
| 1/30/2005  | 74         | 12.1                      | 61.9               |
| 1/31/2005  | 76         | 14.3                      | 61.7               |
| 2/1/2005   | 76         | 14.5                      | 61.5               |
| 2/2/2005   | 74         | 12.9                      | 61.1               |
| 2/3/2005   | 73         | 12.3                      | 60.7               |
| 2/4/2005   | 78         | 17.0                      | 61.0               |
| 2/5/2005   | 78         | 16.8                      | 61.2               |
| 2/6/2005   | 71         | 10.6                      | 60.4               |
| 2/7/2005   | 67         | 7.7                       | 59.3               |
| 2/8/2005   | 68         | 9.6                       | 58.4               |
| 2/9/2005   | 66         | 8.5                       | 57.5               |
| 2/10/2005  | 64         | 7.6                       | 56.4               |
| 2/11/2005  | 63         | 7.7                       | 55.3               |
| 2/12/2005  | 63         | 8.5                       | 54.5               |
| 2/13/2005  | 62         | 8.3                       | 53.7               |
| 2/14/2005  | 62         | 9.0                       | 53.0               |
| 2/15/2005  | 62         | 9.6                       | 52.4               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/28/2004 | 56         | 28.1                      | 27.9               |
| 12/29/2004 | 53         | 24.4                      | 28.6               |
| 12/30/2004 | 51         | 21.8                      | 29.2               |
| 12/31/2004 | 49         | 19.4                      | 29.6               |
| 1/1/2005   | 47         | 17.0                      | 30.0               |
| 1/2/2005   | 46         | 15.6                      | 30.4               |
| 1/3/2005   | 46         | 15.3                      | 30.7               |
| 1/4/2005   | 44         | 13.1                      | 30.9               |
| 1/5/2005   | 44         | 12.9                      | 31.1               |
| 1/6/2005   | 44         | 12.7                      | 31.3               |
| 1/7/2005   | 42         | 10.6                      | 31.4               |
| 1/8/2005   | 41         | 9.5                       | 31.5               |
| 1/9/2005   | 42         | 10.4                      | 31.6               |
| 1/10/2005  | 41         | 9.4                       | 31.6               |
| 1/11/2005  | 39         | 7.4                       | 31.6               |
| 1/12/2005  | 37         | 5.5                       | 31.5               |
| 1/13/2005  | 31         | 0.0                       | 31.0               |
| 1/14/2005  | 38         | 7.0                       | 31.0               |
| 1/15/2005  | 58         | 26.3                      | 31.7               |
| 1/16/2005  | 58         | 25.6                      | 32.4               |
| 1/17/2005  | 48         | 15.3                      | 32.7               |
| 1/18/2005  | 42         | 9.3                       | 32.7               |
| 1/19/2005  | 45         | 12.1                      | 32.9               |
| 1/20/2005  | 47         | 13.9                      | 33.1               |
| 1/21/2005  | 47         | 13.7                      | 33.3               |
| 1/22/2005  | 46         | 12.5                      | 33.5               |
| 1/23/2005  | 46         | 12.3                      | 33.7               |
| 1/24/2005  | 43         | 9.3                       | 33.7               |
| 1/25/2005  | 42         | 8.3                       | 33.7               |
| 1/26/2005  | 41         | 7.3                       | 33.7               |
| 1/27/2005  | 41         | 7.4                       | 33.6               |
| 1/28/2005  | 40         | 6.5                       | 33.5               |
| 1/29/2005  | 42         | 8.5                       | 33.5               |
| 1/30/2005  | 43         | 9.4                       | 33.6               |
| 1/31/2005  | 39         | 5.5                       | 33.5               |
| 2/1/2005   | 38         | 4.7                       | 33.3               |
| 2/2/2005   | 39         | 5.8                       | 33.2               |
| 2/3/2005   | 41         | 7.8                       | 33.2               |
| 2/4/2005   | 40         | 6.9                       | 33.1               |
| 2/5/2005   | 37         | 4.0                       | 33.0               |
| 2/6/2005   | 35         | 2.3                       | 32.7               |
| 2/7/2005   | 33         | 0.6                       | 32.4               |
| 2/8/2005   | 30         | 0.0                       | 30.0               |
| 2/9/2005   | 25         | 0.0                       | 25.0               |
| 2/10/2005  | 24         | 0.0                       | 24.0               |
| 2/11/2005  | 23         | 0.0                       | 23.0               |
| 2/12/2005  | 22         | 0.0                       | 22.0               |
| 2/13/2005  | 21         | 0.0                       | 21.0               |
| 2/14/2005  | 20         | 0.0                       | 20.0               |
| 2/15/2005  | 20         | 0.2                       | 19.8               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/28/2004 | 124        | 60.6                      | 63.4               |
| 12/29/2004 | 112        | 46.2                      | 65.8               |
| 12/30/2004 | 96         | 29.1                      | 66.9               |
| 12/31/2004 | 65         | 0.0                       | 65.0               |
| 1/1/2005   | 61         | 0.0                       | 61.0               |
| 1/2/2005   | 59         | 0.0                       | 59.0               |
| 1/3/2005   | 58         | 0.2                       | 57.8               |
| 1/4/2005   | 59         | 2.2                       | 56.8               |
| 1/5/2005   | 53         | 0.0                       | 53.0               |
| 1/6/2005   | 47         | 0.0                       | 47.0               |
| 1/7/2005   | 46         | 0.0                       | 46.0               |
| 1/8/2005   | 45         | 0.0                       | 45.0               |
| 1/9/2005   | 44         | 0.0                       | 44.0               |
| 1/10/2005  | 44         | 0.8                       | 43.2               |
| 1/11/2005  | 42         | 0.0                       | 42.0               |
| 1/12/2005  | 41         | 0.0                       | 41.0               |
| 1/13/2005  | 42         | 1.7                       | 40.3               |
| 1/14/2005  | 69         | 27.3                      | 41.7               |
| 1/15/2005  | 128        | 80.7                      | 47.3               |
| 1/16/2005  | 108        | 57.1                      | 50.9               |
| 1/17/2005  | 97         | 43.6                      | 53.4               |
| 1/18/2005  | 81         | 26.5                      | 54.5               |
| 1/19/2005  | 61         | 7.1                       | 53.9               |
| 1/20/2005  | 53         | 0.1                       | 52.9               |
| 1/21/2005  | 52         | 0.2                       | 51.8               |
| 1/22/2005  | 73         | 20.6                      | 52.4               |
| 1/23/2005  | 74         | 20.9                      | 53.1               |
| 1/24/2005  | 68         | 14.8                      | 53.2               |
| 1/25/2005  | 57         | 4.5                       | 52.5               |
| 1/26/2005  | 52         | 0.5                       | 51.5               |
| 1/27/2005  | 51         | 0.5                       | 50.5               |
| 1/28/2005  | 49         | 0.0                       | 49.0               |
| 1/29/2005  | 47         | 0.0                       | 47.0               |
| 1/30/2005  | 42         | 0.0                       | 42.0               |
| 1/31/2005  | 40         | 0.0                       | 40.0               |
| 2/1/2005   | 39         | 0.0                       | 39.0               |
| 2/2/2005   | 41         | 2.6                       | 38.4               |
| 2/3/2005   | 59         | 19.8                      | 39.2               |
| 2/4/2005   | 53         | 13.5                      | 39.5               |
| 2/5/2005   | 47         | 7.6                       | 39.4               |
| 2/6/2005   | 46         | 6.9                       | 39.1               |
| 2/7/2005   | 46         | 7.1                       | 38.9               |
| 2/8/2005   | 46         | 7.3                       | 38.7               |
| 2/9/2005   | 46         | 7.5                       | 38.5               |
| 2/10/2005  | 45         | 6.7                       | 38.3               |
| 2/11/2005  | 45         | 6.9                       | 38.1               |
| 2/12/2005  | 46         | 8.0                       | 38.0               |
| 2/13/2005  | 51         | 12.8                      | 38.2               |
| 2/14/2005  | 55         | 16.2                      | 38.8               |
| 2/15/2005  | 59         | 19.5                      | 39.5               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/16/2005 | 62         | 10.1                      | 51.9               |
| 2/17/2005 | 60         | 8.8                       | 51.2               |
| 2/18/2005 | 60         | 9.3                       | 50.7               |
| 2/19/2005 | 60         | 9.8                       | 50.2               |
| 2/20/2005 | 51         | 2.4                       | 48.6               |
| 2/21/2005 | 47         | 0.3                       | 46.7               |
| 2/22/2005 | 47         | 1.9                       | 45.1               |
| 2/23/2005 | 52         | 7.5                       | 44.5               |
| 2/24/2005 | 55         | 10.6                      | 44.4               |
| 2/25/2005 | 67         | 21.0                      | 46.0               |
| 2/26/2005 | 83         | 33.5                      | 49.5               |
| 2/27/2005 | 117        | 59.9                      | 57.1               |
| 2/28/2005 | 156        | 87.2                      | 68.8               |
| 3/1/2005  | 140        | 63.8                      | 76.2               |
| 3/2/2005  | 113        | 34.3                      | 78.7               |
| 3/3/2005  | 103        | 23.7                      | 79.3               |
| 3/4/2005  | 119        | 36.9                      | 82.1               |
| 3/5/2005  | 121        | 36.4                      | 84.6               |
| 3/6/2005  | 105        | 20.5                      | 84.5               |
| 3/7/2005  | 91         | 8.5                       | 82.5               |
| 3/8/2005  | 82         | 2.4                       | 79.6               |
| 3/9/2005  | 101        | 21.2                      | 79.8               |
| 3/10/2005 | 141        | 55.5                      | 85.5               |
| 3/11/2005 | 137        | 47.4                      | 89.6               |
| 3/12/2005 | 113        | 23.2                      | 89.8               |
| 3/13/2005 | 95         | 7.6                       | 87.4               |
| 3/14/2005 | 84         | 0.1                       | 83.9               |
| 3/15/2005 | 80         | 0.0                       | 80.0               |
| 3/16/2005 | 82         | 4.5                       | 77.5               |
| 3/17/2005 | 169        | 81.5                      | 87.5               |
| 3/18/2005 | 381        | 256.1                     | 124.9              |
| 3/19/2005 | 359        | 206.1                     | 152.9              |
| 3/20/2005 | 228        | 70.0                      | 158.0              |
| 3/21/2005 | 180        | 24.4                      | 155.6              |
| 3/22/2005 | 235        | 73.8                      | 161.2              |
| 3/23/2005 | 286        | 113.2                     | 172.8              |
| 3/24/2005 | 256        | 77.7                      | 178.3              |
| 3/25/2005 | 181        | 8.4                       | 172.6              |
| 3/26/2005 | 176        | 8.9                       | 167.1              |
| 3/27/2005 | 233        | 62.6                      | 170.4              |
| 3/28/2005 | 282        | 102.1                     | 179.9              |
| 3/29/2005 | 294        | 104.5                     | 189.5              |
| 3/30/2005 | 196        | 12.2                      | 183.8              |
| 3/31/2005 | 146        | 0.0                       | 146.0              |
| 4/1/2005  | 114        | 0.0                       | 114.0              |
| 4/2/2005  | 98         | 0.0                       | 98.0               |
| 4/3/2005  | 107        | 11.1                      | 95.9               |
| 4/4/2005  | 99         | 6.0                       | 93.0               |
| 4/5/2005  | 88         | 0.0                       | 88.0               |
| 4/6/2005  | 80         | 0.0                       | 80.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/16/2005 | 19         | 0.0                       | 19.0               |
| 2/17/2005 | 19         | 0.2                       | 18.8               |
| 2/18/2005 | 18         | 0.0                       | 18.0               |
| 2/19/2005 | 16         | 0.0                       | 16.0               |
| 2/20/2005 | 16         | 0.2                       | 15.8               |
| 2/21/2005 | 17         | 1.3                       | 15.7               |
| 2/22/2005 | 16         | 0.4                       | 15.6               |
| 2/23/2005 | 16         | 0.5                       | 15.5               |
| 2/24/2005 | 16         | 0.7                       | 15.3               |
| 2/25/2005 | 15         | 0.0                       | 15.0               |
| 2/26/2005 | 18         | 3.0                       | 15.0               |
| 2/27/2005 | 52         | 35.7                      | 16.3               |
| 2/28/2005 | 83         | 64.3                      | 18.7               |
| 3/1/2005  | 61         | 40.9                      | 20.1               |
| 3/2/2005  | 47         | 26.0                      | 21.0               |
| 3/3/2005  | 45         | 23.3                      | 21.7               |
| 3/4/2005  | 43         | 20.7                      | 22.3               |
| 3/5/2005  | 38         | 15.3                      | 22.7               |
| 3/6/2005  | 34         | 11.1                      | 22.9               |
| 3/7/2005  | 31         | 8.0                       | 23.0               |
| 3/8/2005  | 29         | 6.0                       | 23.0               |
| 3/9/2005  | 32         | 8.9                       | 23.1               |
| 3/10/2005 | 49         | 25.1                      | 23.9               |
| 3/11/2005 | 50         | 25.3                      | 24.7               |
| 3/12/2005 | 42         | 16.9                      | 25.1               |
| 3/13/2005 | 35         | 9.8                       | 25.2               |
| 3/14/2005 | 32         | 6.7                       | 25.3               |
| 3/15/2005 | 30         | 4.8                       | 25.2               |
| 3/16/2005 | 29         | 3.9                       | 25.1               |
| 3/17/2005 | 74         | 47.3                      | 26.7               |
| 3/18/2005 | 148        | 116.9                     | 31.1               |
| 3/19/2005 | 116        | 81.9                      | 34.1               |
| 3/20/2005 | 88         | 52.1                      | 35.9               |
| 3/21/2005 | 76         | 38.9                      | 37.1               |
| 3/22/2005 | 86         | 47.4                      | 38.6               |
| 3/23/2005 | 110        | 69.0                      | 41.0               |
| 3/24/2005 | 83         | 40.8                      | 42.2               |
| 3/25/2005 | 68         | 25.2                      | 42.8               |
| 3/26/2005 | 82         | 38.1                      | 43.9               |
| 3/27/2005 | 86         | 40.9                      | 45.1               |
| 3/28/2005 | 88         | 41.7                      | 46.3               |
| 3/29/2005 | 82         | 34.8                      | 47.2               |
| 3/30/2005 | 69         | 21.4                      | 47.6               |
| 3/31/2005 | 57         | 9.5                       | 47.5               |
| 4/1/2005  | 44         | 0.0                       | 44.0               |
| 4/2/2005  | 51         | 7.2                       | 43.8               |
| 4/3/2005  | 59         | 15.0                      | 44.0               |
| 4/4/2005  | 48         | 4.3                       | 43.7               |
| 4/5/2005  | 43         | 0.0                       | 43.0               |
| 4/6/2005  | 37         | 0.0                       | 37.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/16/2005 | 58         | 17.8                      | 40.2               |
| 2/17/2005 | 60         | 19.1                      | 40.9               |
| 2/18/2005 | 59         | 17.5                      | 41.5               |
| 2/19/2005 | 57         | 15.1                      | 41.9               |
| 2/20/2005 | 54         | 12.0                      | 42.0               |
| 2/21/2005 | 54         | 11.9                      | 42.1               |
| 2/22/2005 | 52         | 9.9                       | 42.1               |
| 2/23/2005 | 53         | 10.9                      | 42.1               |
| 2/24/2005 | 42         | 0.7                       | 41.3               |
| 2/25/2005 | 37         | 0.0                       | 37.0               |
| 2/26/2005 | 46         | 9.0                       | 37.0               |
| 2/27/2005 | 92         | 51.6                      | 40.4               |
| 2/28/2005 | 178        | 128.2                     | 49.8               |
| 3/1/2005  | 123        | 68.7                      | 54.3               |
| 3/2/2005  | 92         | 35.9                      | 56.1               |
| 3/3/2005  | 64         | 8.4                       | 55.6               |
| 3/4/2005  | 73         | 17.1                      | 55.9               |
| 3/5/2005  | 83         | 26.1                      | 56.9               |
| 3/6/2005  | 78         | 20.6                      | 57.4               |
| 3/7/2005  | 72         | 14.6                      | 57.4               |
| 3/8/2005  | 68         | 10.9                      | 57.1               |
| 3/9/2005  | 69         | 12.1                      | 56.9               |
| 3/10/2005 | 100        | 40.9                      | 59.1               |
| 3/11/2005 | 79         | 19.5                      | 59.5               |
| 3/12/2005 | 78         | 18.3                      | 59.7               |
| 3/13/2005 | 70         | 10.6                      | 59.4               |
| 3/14/2005 | 65         | 6.3                       | 58.7               |
| 3/15/2005 | 65         | 6.9                       | 58.1               |
| 3/16/2005 | 67         | 9.3                       | 57.7               |
| 3/17/2005 | 112        | 51.4                      | 60.6               |
| 3/18/2005 | 271        | 195.9                     | 75.1               |
| 3/19/2005 | 223        | 138.3                     | 84.7               |
| 3/20/2005 | 174        | 84.3                      | 89.7               |
| 3/21/2005 | 149        | 56.6                      | 92.4               |
| 3/22/2005 | 177        | 80.0                      | 97.0               |
| 3/23/2005 | 226        | 121.3                     | 104.7              |
| 3/24/2005 | 186        | 77.2                      | 108.8              |
| 3/25/2005 | 148        | 38.3                      | 109.7              |
| 3/26/2005 | 143        | 32.9                      | 110.1              |
| 3/27/2005 | 138        | 27.8                      | 110.2              |
| 3/28/2005 | 123        | 13.9                      | 109.1              |
| 3/29/2005 | 107        | 0.1                       | 106.9              |
| 3/30/2005 | 89         | 0.0                       | 89.0               |
| 3/31/2005 | 71         | 0.0                       | 71.0               |
| 4/1/2005  | 64         | 0.0                       | 64.0               |
| 4/2/2005  | 77         | 13.2                      | 63.8               |
| 4/3/2005  | 87         | 22.7                      | 64.3               |
| 4/4/2005  | 74         | 10.2                      | 63.8               |
| 4/5/2005  | 70         | 6.9                       | 63.1               |
| 4/6/2005  | 75         | 12.2                      | 62.8               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/7/2005  | 77         | 0.2                       | 76.8               |
| 4/8/2005  | 86         | 10.6                      | 75.4               |
| 4/9/2005  | 91         | 16.0                      | 75.0               |
| 4/10/2005 | 89         | 14.7                      | 74.3               |
| 4/11/2005 | 82         | 9.2                       | 72.8               |
| 4/12/2005 | 74         | 3.5                       | 70.5               |
| 4/13/2005 | 71         | 2.9                       | 68.1               |
| 4/14/2005 | 75         | 8.3                       | 66.7               |
| 4/15/2005 | 80         | 13.7                      | 66.3               |
| 4/16/2005 | 84         | 17.6                      | 66.4               |
| 4/17/2005 | 81         | 14.9                      | 66.1               |
| 4/18/2005 | 75         | 9.9                       | 65.1               |
| 4/19/2005 | 68         | 4.8                       | 63.2               |
| 4/20/2005 | 65         | 3.7                       | 61.3               |
| 4/21/2005 | 65         | 5.3                       | 59.7               |
| 4/22/2005 | 62         | 4.0                       | 58.0               |
| 4/23/2005 | 62         | 5.5                       | 56.5               |
| 4/24/2005 | 72         | 15.3                      | 56.7               |
| 4/25/2005 | 72         | 15.1                      | 56.9               |
| 4/26/2005 | 70         | 13.3                      | 56.7               |
| 4/27/2005 | 104        | 42.7                      | 61.3               |
| 4/28/2005 | 136        | 66.5                      | 69.5               |
| 4/29/2005 | 109        | 36.5                      | 72.5               |
| 4/30/2005 | 74         | 3.8                       | 70.2               |
| 5/1/2005  | 70         | 2.2                       | 67.8               |
| 5/2/2005  | 74         | 7.7                       | 66.3               |
| 5/3/2005  | 77         | 11.5                      | 65.5               |
| 5/4/2005  | 132        | 59.6                      | 72.4               |
| 5/5/2005  | 368        | 257.3                     | 110.7              |
| 5/6/2005  | 468        | 311.9                     | 156.1              |
| 5/7/2005  | 317        | 144.1                     | 173.0              |
| 5/8/2005  | 204        | 32.7                      | 171.3              |
| 5/9/2005  | 137        | 0.0                       | 137.0              |
| 5/10/2005 | 94         | 0.0                       | 94.0               |
| 5/11/2005 | 79         | 0.0                       | 79.0               |
| 5/12/2005 | 77         | 1.0                       | 76.0               |
| 5/13/2005 | 77         | 3.5                       | 73.5               |
| 5/14/2005 | 75         | 3.8                       | 71.2               |
| 5/15/2005 | 72         | 3.2                       | 68.8               |
| 5/16/2005 | 69         | 2.5                       | 66.5               |
| 5/17/2005 | 65         | 1.0                       | 64.0               |
| 5/18/2005 | 66         | 3.9                       | 62.1               |
| 5/19/2005 | 65         | 4.7                       | 60.3               |
| 5/20/2005 | 62         | 3.5                       | 58.5               |
| 5/21/2005 | 62         | 5.1                       | 56.9               |
| 5/22/2005 | 65         | 8.9                       | 56.1               |
| 5/23/2005 | 63         | 7.9                       | 55.1               |
| 5/24/2005 | 60         | 6.1                       | 53.9               |
| 5/25/2005 | 65         | 11.4                      | 53.6               |
| 5/26/2005 | 71         | 16.9                      | 54.1               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/7/2005  | 36         | 0.0                       | 36.0               |
| 4/8/2005  | 77         | 39.8                      | 37.2               |
| 4/9/2005  | 85         | 46.3                      | 38.7               |
| 4/10/2005 | 66         | 26.6                      | 39.4               |
| 4/11/2005 | 54         | 14.4                      | 39.6               |
| 4/12/2005 | 47         | 7.5                       | 39.5               |
| 4/13/2005 | 43         | 3.8                       | 39.2               |
| 4/14/2005 | 40         | 1.1                       | 38.9               |
| 4/15/2005 | 36         | 0.0                       | 36.0               |
| 4/16/2005 | 32         | 0.0                       | 32.0               |
| 4/17/2005 | 29         | 0.0                       | 29.0               |
| 4/18/2005 | 27         | 0.0                       | 27.0               |
| 4/19/2005 | 25         | 0.0                       | 25.0               |
| 4/20/2005 | 23         | 0.0                       | 23.0               |
| 4/21/2005 | 21         | 0.0                       | 21.0               |
| 4/22/2005 | 19         | 0.0                       | 19.0               |
| 4/23/2005 | 19         | 0.2                       | 18.8               |
| 4/24/2005 | 17         | 0.0                       | 17.0               |
| 4/25/2005 | 16         | 0.0                       | 16.0               |
| 4/26/2005 | 15         | 0.0                       | 15.0               |
| 4/27/2005 | 28         | 12.6                      | 15.4               |
| 4/28/2005 | 29         | 13.3                      | 15.7               |
| 4/29/2005 | 17         | 1.4                       | 15.6               |
| 4/30/2005 | 15         | 0.0                       | 15.0               |
| 5/1/2005  | 15         | 0.1                       | 14.9               |
| 5/2/2005  | 15         | 0.3                       | 14.7               |
| 5/3/2005  | 14         | 0.0                       | 14.0               |
| 5/4/2005  | 31         | 16.5                      | 14.5               |
| 5/5/2005  | 82         | 65.0                      | 17.0               |
| 5/6/2005  | 160        | 137.7                     | 22.3               |
| 5/7/2005  | 104        | 78.8                      | 25.2               |
| 5/8/2005  | 67         | 40.4                      | 26.6               |
| 5/9/2005  | 50         | 22.8                      | 27.2               |
| 5/10/2005 | 43         | 15.4                      | 27.6               |
| 5/11/2005 | 39         | 11.2                      | 27.8               |
| 5/12/2005 | 36         | 8.2                       | 27.8               |
| 5/13/2005 | 32         | 4.3                       | 27.7               |
| 5/14/2005 | 28         | 0.5                       | 27.5               |
| 5/15/2005 | 27         | 0.0                       | 27.0               |
| 5/16/2005 | 27         | 0.3                       | 26.7               |
| 5/17/2005 | 25         | 0.0                       | 25.0               |
| 5/18/2005 | 23         | 0.0                       | 23.0               |
| 5/19/2005 | 22         | 0.0                       | 22.0               |
| 5/20/2005 | 20         | 0.0                       | 20.0               |
| 5/21/2005 | 19         | 0.0                       | 19.0               |
| 5/22/2005 | 18         | 0.0                       | 18.0               |
| 5/23/2005 | 17         | 0.0                       | 17.0               |
| 5/24/2005 | 16         | 0.0                       | 16.0               |
| 5/25/2005 | 18         | 2.1                       | 15.9               |
| 5/26/2005 | 15         | 0.0                       | 15.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/7/2005  | 62         | 0.4                       | 61.6               |
| 4/8/2005  | 91         | 28.4                      | 62.6               |
| 4/9/2005  | 85         | 21.9                      | 63.1               |
| 4/10/2005 | 75         | 12.2                      | 62.8               |
| 4/11/2005 | 68         | 5.9                       | 62.1               |
| 4/12/2005 | 64         | 2.9                       | 61.1               |
| 4/13/2005 | 56         | 0.0                       | 56.0               |
| 4/14/2005 | 54         | 0.0                       | 54.0               |
| 4/15/2005 | 51         | 0.0                       | 51.0               |
| 4/16/2005 | 47         | 0.0                       | 47.0               |
| 4/17/2005 | 47         | 0.9                       | 46.1               |
| 4/18/2005 | 47         | 1.7                       | 45.3               |
| 4/19/2005 | 52         | 7.0                       | 45.0               |
| 4/20/2005 | 56         | 11.0                      | 45.0               |
| 4/21/2005 | 56         | 11.0                      | 45.0               |
| 4/22/2005 | 58         | 12.9                      | 45.1               |
| 4/23/2005 | 56         | 10.9                      | 45.1               |
| 4/24/2005 | 56         | 11.0                      | 45.0               |
| 4/25/2005 | 49         | 9.1                       | 44.9               |
| 4/26/2005 | 49         | 4.7                       | 44.3               |
| 4/27/2005 | 68         | 22.7                      | 45.3               |
| 4/28/2005 | 71         | 24.7                      | 46.3               |
| 4/29/2005 | 63         | 16.3                      | 46.7               |
| 4/30/2005 | 59         | 12.2                      | 46.8               |
| 5/1/2005  | 57         | 10.3                      | 46.7               |
| 5/2/2005  | 56         | 9.5                       | 46.5               |
| 5/3/2005  | 54         | 7.8                       | 46.2               |
| 5/4/2005  | 80         | 32.2                      | 47.8               |
| 5/5/2005  | 264        | 201.0                     | 63.0               |
| 5/6/2005  | 371        | 286.4                     | 84.6               |
| 5/7/2005  | 273        | 176.0                     | 97.0               |
| 5/8/2005  | 189        | 87.0                      | 102.0              |
| 5/9/2005  | 149        | 45.4                      | 103.6              |
| 5/10/2005 | 119        | 16.2                      | 102.8              |
| 5/11/2005 | 88         | 0.0                       | 88.0               |
| 5/12/2005 | 69         | 0.0                       | 69.0               |
| 5/13/2005 | 64         | 0.0                       | 64.0               |
| 5/14/2005 | 60         | 0.0                       | 60.0               |
| 5/15/2005 | 57         | 0.0                       | 57.0               |
| 5/16/2005 | 56         | 0.1                       | 55.9               |
| 5/17/2005 | 52         | 0.0                       | 52.0               |
| 5/18/2005 | 56         | 4.7                       | 51.3               |
| 5/19/2005 | 62         | 10.8                      | 51.2               |
| 5/20/2005 | 65         | 13.8                      | 51.2               |
| 5/21/2005 | 63         | 11.8                      | 51.2               |
| 5/22/2005 | 61         | 10.0                      | 51.0               |
| 5/23/2005 | 60         | 9.3                       | 50.7               |
| 5/24/2005 | 55         | 4.9                       | 50.1               |
| 5/25/2005 | 47         | 0.0                       | 47.0               |
| 5/26/2005 | 49         | 2.7                       | 46.3               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/27/2005 | 71         | 16.4                      | 54.6               |
| 5/28/2005 | 68         | 13.4                      | 54.6               |
| 5/29/2005 | 66         | 11.8                      | 54.2               |
| 5/30/2005 | 66         | 12.0                      | 54.0               |
| 5/31/2005 | 104        | 45.0                      | 59.0               |
| 6/1/2005  | 321        | 227.9                     | 93.1               |
| 6/2/2005  | 507        | 360.0                     | 147.0              |
| 6/3/2005  | 552        | 354.2                     | 197.8              |
| 6/4/2005  | 784        | 512.2                     | 271.8              |
| 6/5/2005  | 823        | 484.5                     | 338.5              |
| 6/6/2005  | 810        | 418.2                     | 391.8              |
| 6/7/2005  | 649        | 235.2                     | 413.8              |
| 6/8/2005  | 472        | 64.4                      | 407.6              |
| 6/9/2005  | 344        | 0.0                       | 344.0              |
| 6/10/2005 | 287        | 0.0                       | 287.0              |
| 6/11/2005 | 423        | 127.1                     | 295.9              |
| 6/12/2005 | 468        | 158.6                     | 309.4              |
| 6/13/2005 | 305        | 6.9                       | 298.1              |
| 6/14/2005 | 217        | 0.0                       | 217.0              |
| 6/15/2005 | 182        | 0.0                       | 182.0              |
| 6/16/2005 | 161        | 0.0                       | 161.0              |
| 6/17/2005 | 179        | 21.1                      | 157.9              |
| 6/18/2005 | 207        | 47.7                      | 159.3              |
| 6/19/2005 | 240        | 75.1                      | 164.9              |
| 6/20/2005 | 379        | 190.3                     | 188.7              |
| 6/21/2005 | 336        | 133.5                     | 202.5              |
| 6/22/2005 | 208        | 11.7                      | 196.3              |
| 6/23/2005 | 185        | 0.0                       | 185.0              |
| 6/24/2005 | 224        | 40.0                      | 184.0              |
| 6/25/2005 | 251        | 64.1                      | 186.9              |
| 6/26/2005 | 225        | 39.3                      | 185.7              |
| 6/27/2005 | 229        | 43.7                      | 185.3              |
| 6/28/2005 | 212        | 29.4                      | 182.6              |
| 6/29/2005 | 191        | 13.6                      | 177.4              |
| 6/30/2005 | 209        | 33.3                      | 175.7              |
| 7/1/2005  | 253        | 72.7                      | 180.3              |
| 7/2/2005  | 215        | 36.1                      | 178.9              |
| 7/3/2005  | 176        | 3.7                       | 172.3              |
| 7/4/2005  | 161        | 0.0                       | 161.0              |
| 7/5/2005  | 164        | 8.1                       | 155.9              |
| 7/6/2005  | 150        | 0.3                       | 149.7              |
| 7/7/2005  | 131        | 0.0                       | 131.0              |
| 7/8/2005  | 117        | 0.0                       | 117.0              |
| 7/9/2005  | 123        | 9.2                       | 113.8              |
| 7/10/2005 | 200        | 78.2                      | 121.8              |
| 7/11/2005 | 263        | 126.0                     | 137.0              |
| 7/12/2005 | 294        | 140.0                     | 154.0              |
| 7/13/2005 | 266        | 101.9                     | 164.1              |
| 7/14/2005 | 206        | 41.8                      | 164.2              |
| 7/15/2005 | 143        | 0.0                       | 143.0              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/27/2005 | 15         | 0.1                       | 14.9               |
| 5/28/2005 | 18         | 3.2                       | 14.8               |
| 5/29/2005 | 19         | 4.1                       | 14.9               |
| 5/30/2005 | 18         | 3.2                       | 14.8               |
| 5/31/2005 | 40         | 24.3                      | 15.7               |
| 6/1/2005  | 158        | 137.0                     | 21.0               |
| 6/2/2005  | 197        | 169.5                     | 27.5               |
| 6/3/2005  | 180        | 146.9                     | 33.1               |
| 6/4/2005  | 311        | 267.5                     | 43.5               |
| 6/5/2005  | 245        | 194.2                     | 50.8               |
| 6/6/2005  | 229        | 171.8                     | 57.2               |
| 6/7/2005  | 191        | 129.2                     | 61.8               |
| 6/8/2005  | 172        | 106.6                     | 65.4               |
| 6/9/2005  | 156        | 87.7                      | 68.3               |
| 6/10/2005 | 132        | 61.9                      | 70.1               |
| 6/11/2005 | 217        | 141.9                     | 75.1               |
| 6/12/2005 | 231        | 150.7                     | 80.3               |
| 6/13/2005 | 177        | 93.7                      | 83.3               |
| 6/14/2005 | 128        | 43.8                      | 84.2               |
| 6/15/2005 | 101        | 17.0                      | 84.0               |
| 6/16/2005 | 107        | 22.9                      | 84.1               |
| 6/17/2005 | 95         | 11.3                      | 83.7               |
| 6/18/2005 | 79         | 0.0                       | 79.0               |
| 6/19/2005 | 70         | 0.0                       | 70.0               |
| 6/20/2005 | 88         | 18.0                      | 70.0               |
| 6/21/2005 | 215        | 140.1                     | 74.9               |
| 6/22/2005 | 618        | 522.9                     | 95.1               |
| 6/23/2005 | 352        | 247.9                     | 104.1              |
| 6/24/2005 | 505        | 386.5                     | 118.5              |
| 6/25/2005 | 526        | 393.0                     | 133.0              |
| 6/26/2005 | 339        | 199.3                     | 139.7              |
| 6/27/2005 | 270        | 126.7                     | 143.3              |
| 6/28/2005 | 237        | 91.4                      | 145.6              |
| 6/29/2005 | 216        | 69.1                      | 146.9              |
| 6/30/2005 | 261        | 111.2                     | 149.8              |
| 7/1/2005  | 290        | 136.2                     | 153.8              |
| 7/2/2005  | 257        | 100.7                     | 156.3              |
| 7/3/2005  | 252        | 93.5                      | 158.5              |
| 7/4/2005  | 239        | 79.0                      | 160.0              |
| 7/5/2005  | 212        | 51.5                      | 160.5              |
| 7/6/2005  | 172        | 12.6                      | 159.4              |
| 7/7/2005  | 137        | 0.0                       | 137.0              |
| 7/8/2005  | 106        | 0.0                       | 106.0              |
| 7/9/2005  | 93         | 0.0                       | 93.0               |
| 7/10/2005 | 156        | 61.5                      | 94.5               |
| 7/11/2005 | 184        | 86.9                      | 97.1               |
| 7/12/2005 | 167        | 68.2                      | 98.8               |
| 7/13/2005 | 133        | 33.8                      | 99.2               |
| 7/14/2005 | 104        | 5.6                       | 98.4               |
| 7/15/2005 | 91         | 0.0                       | 91.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/27/2005 | 80         | 32.1                      | 47.9               |
| 5/28/2005 | 82         | 32.4                      | 49.6               |
| 5/29/2005 | 59         | 9.7                       | 49.3               |
| 5/30/2005 | 54         | 5.2                       | 48.8               |
| 5/31/2005 | 75         | 25.2                      | 49.8               |
| 6/1/2005  | 231        | 188.7                     | 62.3               |
| 6/2/2005  | 422        | 334.2                     | 87.8               |
| 6/3/2005  | 323        | 219.4                     | 103.6              |
| 6/4/2005  | 412        | 287.5                     | 124.5              |
| 6/5/2005  | 363        | 223.1                     | 139.9              |
| 6/6/2005  | 383        | 227.7                     | 155.3              |
| 6/7/2005  | 278        | 116.5                     | 161.5              |
| 6/8/2005  | 262        | 96.0                      | 166.0              |
| 6/9/2005  | 202        | 36.4                      | 165.6              |
| 6/10/2005 | 172        | 9.0                       | 163.0              |
| 6/11/2005 | 172        | 11.4                      | 160.6              |
| 6/12/2005 | 150        | 0.0                       | 150.0              |
| 6/13/2005 | 127        | 0.0                       | 127.0              |
| 6/14/2005 | 108        | 0.0                       | 108.0              |
| 6/15/2005 | 105        | 0.0                       | 105.0              |
| 6/16/2005 | 103        | 0.1                       | 102.9              |
| 6/17/2005 | 86         | 0.0                       | 86.0               |
| 6/18/2005 | 85         | 0.7                       | 84.3               |
| 6/19/2005 | 109        | 24.4                      | 84.6               |
| 6/20/2005 | 106        | 21.4                      | 84.6               |
| 6/21/2005 | 124        | 38.0                      | 86.0               |
| 6/22/2005 | 238        | 142.4                     | 95.6               |
| 6/23/2005 | 176        | 76.2                      | 99.8               |
| 6/24/2005 | 213        | 106.6                     | 106.4              |
| 6/25/2005 | 299        | 180.3                     | 118.7              |
| 6/26/2005 | 215        | 91.4                      | 123.6              |
| 6/27/2005 | 217        | 88.8                      | 128.2              |
| 6/28/2005 | 207        | 75.3                      | 131.7              |
| 6/29/2005 | 212        | 76.8                      | 135.2              |
| 6/30/2005 | 325        | 178.2                     | 146.8              |
| 7/1/2005  | 413        | 249.2                     | 163.8              |
| 7/2/2005  | 316        | 144.0                     | 172.0              |
| 7/3/2005  | 238        | 64.3                      | 173.7              |
| 7/4/2005  | 180        | 9.0                       | 171.0              |
| 7/5/2005  | 171        | 3.2                       | 167.8              |
| 7/6/2005  | 151        | 0.0                       | 151.0              |
| 7/7/2005  | 114        | 0.0                       | 114.0              |
| 7/8/2005  | 83         | 0.0                       | 83.0               |
| 7/9/2005  | 83         | 1.5                       | 81.5               |
| 7/10/2005 | 339        | 240.0                     | 99.0               |
| 7/11/2005 | 374        | 256.4                     | 117.6              |
| 7/12/2005 | 222        | 98.9                      | 123.1              |
| 7/13/2005 | 208        | 80.9                      | 127.1              |
| 7/14/2005 | 171        | 43.0                      | 128.0              |
| 7/15/2005 | 141        | 14.4                      | 126.6              |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/16/2005 | 109        | 0.0                       | 109.0              |
| 7/17/2005 | 95         | 0.0                       | 95.0               |
| 7/18/2005 | 86         | 0.0                       | 86.0               |
| 7/19/2005 | 82         | 0.0                       | 82.0               |
| 7/20/2005 | 80         | 1.1                       | 78.9               |
| 7/21/2005 | 77         | 1.1                       | 75.9               |
| 7/22/2005 | 74         | 1.0                       | 73.0               |
| 7/23/2005 | 73         | 2.5                       | 70.5               |
| 7/24/2005 | 79         | 9.8                       | 69.2               |
| 7/25/2005 | 89         | 19.4                      | 69.6               |
| 7/26/2005 | 84         | 14.8                      | 69.2               |
| 7/27/2005 | 74         | 6.5                       | 67.5               |
| 7/28/2005 | 68         | 2.8                       | 65.2               |
| 7/29/2005 | 65         | 2.1                       | 62.9               |
| 7/30/2005 | 74         | 11.7                      | 62.3               |
| 7/31/2005 | 83         | 20.0                      | 63.0               |
| 8/1/2005  | 108        | 41.0                      | 67.0               |
| 8/2/2005  | 207        | 123.0                     | 84.0               |
| 8/3/2005  | 216        | 116.7                     | 99.3               |
| 8/4/2005  | 155        | 51.4                      | 103.6              |
| 8/5/2005  | 115        | 13.4                      | 101.6              |
| 8/6/2005  | 96         | 0.0                       | 96.0               |
| 8/7/2005  | 88         | 0.0                       | 88.0               |
| 8/8/2005  | 86         | 1.3                       | 84.7               |
| 8/9/2005  | 101        | 17.0                      | 84.0               |
| 8/10/2005 | 128        | 40.8                      | 87.2               |
| 8/11/2005 | 120        | 31.3                      | 88.7               |
| 8/12/2005 | 104        | 16.2                      | 87.8               |
| 8/13/2005 | 103        | 16.2                      | 86.8               |
| 8/14/2005 | 117        | 29.0                      | 88.0               |
| 8/15/2005 | 106        | 18.6                      | 87.4               |
| 8/16/2005 | 89         | 4.4                       | 84.6               |
| 8/17/2005 | 78         | 0.0                       | 78.0               |
| 8/18/2005 | 73         | 0.0                       | 73.0               |
| 8/19/2005 | 71         | 0.8                       | 70.2               |
| 8/20/2005 | 69         | 1.4                       | 67.6               |
| 8/21/2005 | 70         | 4.4                       | 65.6               |
| 8/22/2005 | 68         | 4.3                       | 63.7               |
| 8/23/2005 | 60         | 0.0                       | 60.0               |
| 8/24/2005 | 54         | 0.0                       | 54.0               |
| 8/25/2005 | 98         | 39.8                      | 58.2               |
| 8/26/2005 | 102        | 39.8                      | 62.2               |
| 8/27/2005 | 45         | 0.0                       | 45.0               |
| 8/28/2005 | 35         | 0.0                       | 35.0               |
| 8/29/2005 | 35         | 1.2                       | 33.8               |
| 8/30/2005 | 33         | 0.5                       | 32.5               |
| 8/31/2005 | 39         | 6.7                       | 32.3               |
| 9/1/2005  | 47         | 13.8                      | 33.2               |
| 9/2/2005  | 49         | 14.8                      | 34.2               |
| 9/3/2005  | 58         | 21.7                      | 36.3               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/16/2005 | 85         | 0.0                       | 85.0               |
| 7/17/2005 | 77         | 0.0                       | 77.0               |
| 7/18/2005 | 70         | 0.0                       | 70.0               |
| 7/19/2005 | 66         | 0.0                       | 66.0               |
| 7/20/2005 | 62         | 0.0                       | 62.0               |
| 7/21/2005 | 54         | 0.0                       | 54.0               |
| 7/22/2005 | 46         | 0.0                       | 46.0               |
| 7/23/2005 | 44         | 0.0                       | 44.0               |
| 7/24/2005 | 45         | 1.4                       | 43.6               |
| 7/25/2005 | 52         | 8.5                       | 43.5               |
| 7/26/2005 | 46         | 2.8                       | 43.2               |
| 7/27/2005 | 43         | 0.2                       | 42.8               |
| 7/28/2005 | 40         | 0.0                       | 40.0               |
| 7/29/2005 | 37         | 0.0                       | 37.0               |
| 7/30/2005 | 36         | 0.0                       | 36.0               |
| 7/31/2005 | 39         | 3.2                       | 35.8               |
| 8/1/2005  | 40         | 4.4                       | 35.6               |
| 8/2/2005  | 44         | 8.4                       | 35.6               |
| 8/3/2005  | 54         | 18.1                      | 35.9               |
| 8/4/2005  | 53         | 16.8                      | 36.2               |
| 8/5/2005  | 50         | 13.6                      | 36.4               |
| 8/6/2005  | 46         | 9.6                       | 36.4               |
| 8/7/2005  | 46         | 9.5                       | 36.5               |
| 8/8/2005  | 45         | 8.6                       | 36.4               |
| 8/9/2005  | 44         | 7.6                       | 36.4               |
| 8/10/2005 | 50         | 13.4                      | 36.6               |
| 8/11/2005 | 45         | 8.5                       | 36.5               |
| 8/12/2005 | 43         | 6.6                       | 36.4               |
| 8/13/2005 | 40         | 3.8                       | 36.2               |
| 8/14/2005 | 35         | 0.0                       | 35.0               |
| 8/15/2005 | 39         | 4.2                       | 34.8               |
| 8/16/2005 | 32         | 0.0                       | 32.0               |
| 8/17/2005 | 28         | 0.0                       | 28.0               |
| 8/18/2005 | 27         | 0.0                       | 27.0               |
| 8/19/2005 | 27         | 0.3                       | 26.7               |
| 8/20/2005 | 27         | 0.5                       | 26.5               |
| 8/21/2005 | 27         | 0.7                       | 26.3               |
| 8/22/2005 | 27         | 1.0                       | 26.0               |
| 8/23/2005 | 25         | 0.0                       | 25.0               |
| 8/24/2005 | 25         | 0.2                       | 24.8               |
| 8/25/2005 | 31         | 6.2                       | 24.8               |
| 8/26/2005 | 29         | 4.3                       | 24.7               |
| 8/27/2005 | 27         | 2.5                       | 24.5               |
| 8/28/2005 | 28         | 3.6                       | 24.4               |
| 8/29/2005 | 27         | 2.7                       | 24.3               |
| 8/30/2005 | 25         | 0.9                       | 24.1               |
| 8/31/2005 | 34         | 9.8                       | 24.2               |
| 9/1/2005  | 48         | 23.1                      | 24.9               |
| 9/2/2005  | 47         | 21.5                      | 25.5               |
| 9/3/2005  | 57         | 30.5                      | 26.5               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/16/2005 | 96         | 0.0                       | 96.0               |
| 7/17/2005 | 82         | 0.0                       | 82.0               |
| 7/18/2005 | 77         | 0.0                       | 77.0               |
| 7/19/2005 | 70         | 0.0                       | 70.0               |
| 7/20/2005 | 67         | 0.0                       | 67.0               |
| 7/21/2005 | 71         | 4.9                       | 66.1               |
| 7/22/2005 | 78         | 12.3                      | 65.7               |
| 7/23/2005 | 81         | 15.4                      | 65.6               |
| 7/24/2005 | 81         | 15.4                      | 65.6               |
| 7/25/2005 | 99         | 32.2                      | 66.8               |
| 7/26/2005 | 112        | 43.1                      | 68.9               |
| 7/27/2005 | 112        | 41.2                      | 70.8               |
| 7/28/2005 | 76         | 6.1                       | 69.9               |
| 7/29/2005 | 167        | 91.2                      | 75.8               |
| 7/30/2005 | 159        | 78.4                      | 80.6               |
| 7/31/2005 | 146        | 62.1                      | 83.9               |
| 8/1/2005  | 146        | 59.0                      | 87.0               |
| 8/2/2005  | 323        | 220.2                     | 102.8              |
| 8/3/2005  | 314        | 197.4                     | 116.6              |
| 8/4/2005  | 176        | 57.2                      | 118.8              |
| 8/5/2005  | 135        | 17.2                      | 117.8              |
| 8/6/2005  | 109        | 0.0                       | 109.0              |
| 8/7/2005  | 100        | 0.0                       | 100.0              |
| 8/8/2005  | 129        | 28.7                      | 100.3              |
| 8/9/2005  | 123        | 22.9                      | 100.1              |
| 8/10/2005 | 116        | 16.6                      | 99.4               |
| 8/11/2005 | 103        | 5.1                       | 97.9               |
| 8/12/2005 | 243        | 136.2                     | 106.8              |
| 8/13/2005 | 198        | 86.4                      | 111.6              |
| 8/14/2005 | 155        | 42.3                      | 112.7              |
| 8/15/2005 | 127        | 15.3                      | 111.7              |
| 8/16/2005 | 84         | 0.0                       | 84.0               |
| 8/17/2005 | 77         | 0.0                       | 77.0               |
| 8/18/2005 | 75         | 0.0                       | 75.0               |
| 8/19/2005 | 72         | 0.0                       | 72.0               |
| 8/20/2005 | 71         | 0.4                       | 70.6               |
| 8/21/2005 | 70         | 0.8                       | 69.2               |
| 8/22/2005 | 70         | 2.0                       | 68.0               |
| 8/23/2005 | 69         | 2.2                       | 66.8               |
| 8/24/2005 | 73         | 7.0                       | 66.0               |
| 8/25/2005 | 138        | 67.8                      | 70.2               |
| 8/26/2005 | 143        | 68.7                      | 74.3               |
| 8/27/2005 | 131        | 53.9                      | 77.1               |
| 8/28/2005 | 109        | 31.0                      | 78.0               |
| 8/29/2005 | 123        | 43.1                      | 79.9               |
| 8/30/2005 | 92         | 12.7                      | 79.3               |
| 8/31/2005 | 79         | 1.2                       | 77.8               |
| 9/1/2005  | 68         | 0.0                       | 68.0               |
| 9/2/2005  | 72         | 5.0                       | 67.0               |
| 9/3/2005  | 148        | 76.2                      | 71.8               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/4/2005   | 60         | 21.7                      | 38.3               |
| 9/5/2005   | 80         | 37.2                      | 42.8               |
| 9/6/2005   | 140        | 85.3                      | 54.7               |
| 9/7/2005   | 232        | 154.7                     | 77.3               |
| 9/8/2005   | 266        | 165.4                     | 100.6              |
| 9/9/2005   | 152        | 47.7                      | 104.3              |
| 9/10/2005  | 77         | 0.0                       | 77.0               |
| 9/11/2005  | 59         | 0.0                       | 59.0               |
| 9/12/2005  | 55         | 0.0                       | 55.0               |
| 9/13/2005  | 54         | 1.0                       | 53.0               |
| 9/14/2005  | 50         | 0.0                       | 50.0               |
| 9/15/2005  | 45         | 0.0                       | 45.0               |
| 9/16/2005  | 41         | 0.0                       | 41.0               |
| 9/17/2005  | 40         | 0.6                       | 39.4               |
| 9/18/2005  | 38         | 0.1                       | 37.9               |
| 9/19/2005  | 38         | 1.4                       | 36.6               |
| 9/20/2005  | 47         | 10.2                      | 36.8               |
| 9/21/2005  | 55         | 17.0                      | 38.0               |
| 9/22/2005  | 126        | 77.2                      | 48.8               |
| 9/23/2005  | 90         | 37.2                      | 52.8               |
| 9/24/2005  | 61         | 8.9                       | 52.1               |
| 9/25/2005  | 51         | 0.8                       | 50.2               |
| 9/26/2005  | 44         | 0.0                       | 44.0               |
| 9/27/2005  | 42         | 0.0                       | 42.0               |
| 9/28/2005  | 112        | 61.8                      | 50.2               |
| 9/29/2005  | 319        | 233.4                     | 85.6               |
| 9/30/2005  | 262        | 155.1                     | 106.9              |
| 10/1/2005  | 115        | 10.6                      | 104.4              |
| 10/2/2005  | 90         | 0.0                       | 90.0               |
| 10/3/2005  | 125        | 33.3                      | 91.7               |
| 10/4/2005  | 164        | 65.5                      | 98.5               |
| 10/5/2005  | 173        | 67.6                      | 105.4              |
| 10/6/2005  | 156        | 47.3                      | 108.7              |
| 10/7/2005  | 165        | 52.2                      | 112.8              |
| 10/8/2005  | 179        | 61.0                      | 118.0              |
| 10/9/2005  | 142        | 24.8                      | 117.2              |
| 10/10/2005 | 117        | 3.8                       | 113.2              |
| 10/11/2005 | 105        | 0.0                       | 105.0              |
| 10/12/2005 | 103        | 1.9                       | 101.1              |
| 10/13/2005 | 97         | 0.0                       | 97.0               |
| 10/14/2005 | 97         | 3.3                       | 93.7               |
| 10/15/2005 | 98         | 7.0                       | 91.0               |
| 10/16/2005 | 85         | 0.0                       | 85.0               |
| 10/17/2005 | 74         | 0.0                       | 74.0               |
| 10/18/2005 | 69         | 0.0                       | 69.0               |
| 10/19/2005 | 69         | 2.4                       | 66.6               |
| 10/20/2005 | 80         | 13.8                      | 66.2               |
| 10/21/2005 | 134        | 60.8                      | 73.2               |
| 10/22/2005 | 125        | 47.1                      | 77.9               |
| 10/23/2005 | 169        | 81.3                      | 87.7               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/4/2005   | 58         | 30.5                      | 27.5               |
| 9/5/2005   | 56         | 27.7                      | 28.3               |
| 9/6/2005   | 99         | 68.3                      | 30.7               |
| 9/7/2005   | 180        | 143.8                     | 36.2               |
| 9/8/2005   | 203        | 160.8                     | 42.2               |
| 9/9/2005   | 187        | 139.6                     | 47.4               |
| 9/10/2005  | 160        | 108.7                     | 51.3               |
| 9/11/2005  | 128        | 74.3                      | 53.7               |
| 9/12/2005  | 101        | 46.0                      | 55.0               |
| 9/13/2005  | 82         | 26.4                      | 55.6               |
| 9/14/2005  | 66         | 10.6                      | 55.4               |
| 9/15/2005  | 55         | 0.1                       | 54.9               |
| 9/16/2005  | 50         | 0.0                       | 50.0               |
| 9/17/2005  | 44         | 0.0                       | 44.0               |
| 9/18/2005  | 38         | 0.0                       | 38.0               |
| 9/19/2005  | 34         | 0.0                       | 34.0               |
| 9/20/2005  | 38         | 4.2                       | 33.8               |
| 9/21/2005  | 61         | 26.5                      | 34.5               |
| 9/22/2005  | 86         | 49.8                      | 36.2               |
| 9/23/2005  | 73         | 35.7                      | 37.3               |
| 9/24/2005  | 63         | 25.1                      | 37.9               |
| 9/25/2005  | 54         | 15.9                      | 38.1               |
| 9/26/2005  | 45         | 7.0                       | 38.0               |
| 9/27/2005  | 42         | 4.2                       | 37.8               |
| 9/28/2005  | 40         | 2.4                       | 37.6               |
| 9/29/2005  | 55         | 17.1                      | 37.9               |
| 9/30/2005  | 60         | 21.7                      | 38.3               |
| 10/1/2005  | 52         | 13.5                      | 38.5               |
| 10/2/2005  | 45         | 6.6                       | 38.4               |
| 10/3/2005  | 44         | 5.8                       | 38.2               |
| 10/4/2005  | 51         | 12.6                      | 38.4               |
| 10/5/2005  | 73         | 33.7                      | 39.3               |
| 10/6/2005  | 85         | 44.3                      | 40.7               |
| 10/7/2005  | 110        | 67.0                      | 43.0               |
| 10/8/2005  | 110        | 64.9                      | 45.1               |
| 10/9/2005  | 96         | 49.3                      | 46.7               |
| 10/10/2005 | 86         | 38.3                      | 47.7               |
| 10/11/2005 | 77         | 28.6                      | 48.4               |
| 10/12/2005 | 80         | 30.9                      | 49.1               |
| 10/13/2005 | 94         | 43.6                      | 50.4               |
| 10/14/2005 | 139        | 85.7                      | 53.3               |
| 10/15/2005 | 133        | 77.1                      | 55.9               |
| 10/16/2005 | 109        | 51.6                      | 57.4               |
| 10/17/2005 | 89         | 31.0                      | 58.0               |
| 10/18/2005 | 75         | 16.9                      | 58.1               |
| 10/19/2005 | 70         | 12.0                      | 58.0               |
| 10/20/2005 | 58         | 0.5                       | 57.5               |
| 10/21/2005 | 56         | 0.0                       | 56.0               |
| 10/22/2005 | 77         | 20.7                      | 56.3               |
| 10/23/2005 | 106        | 48.4                      | 57.6               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/4/2005   | 201        | 121.0                     | 80.0               |
| 9/5/2005   | 169        | 83.9                      | 85.1               |
| 9/6/2005   | 166        | 76.4                      | 89.6               |
| 9/7/2005   | 210        | 113.2                     | 96.8               |
| 9/8/2005   | 227        | 122.3                     | 104.7              |
| 9/9/2005   | 172        | 64.3                      | 107.7              |
| 9/10/2005  | 135        | 27.3                      | 107.7              |
| 9/11/2005  | 116        | 9.6                       | 106.4              |
| 9/12/2005  | 101        | 0.0                       | 101.0              |
| 9/13/2005  | 79         | 0.0                       | 79.0               |
| 9/14/2005  | 73         | 0.0                       | 73.0               |
| 9/15/2005  | 72         | 0.4                       | 71.6               |
| 9/16/2005  | 69         | 0.0                       | 69.0               |
| 9/17/2005  | 63         | 0.0                       | 63.0               |
| 9/18/2005  | 62         | 0.2                       | 61.8               |
| 9/19/2005  | 64         | 3.2                       | 60.8               |
| 9/20/2005  | 105        | 42.1                      | 62.9               |
| 9/21/2005  | 160        | 91.0                      | 69.0               |
| 9/22/2005  | 214        | 135.6                     | 78.4               |
| 9/23/2005  | 166        | 82.5                      | 83.5               |
| 9/24/2005  | 122        | 37.2                      | 84.8               |
| 9/25/2005  | 101        | 16.6                      | 84.4               |
| 9/26/2005  | 98         | 14.2                      | 83.8               |
| 9/27/2005  | 117        | 32.3                      | 84.7               |
| 9/28/2005  | 97         | 12.9                      | 84.1               |
| 9/29/2005  | 308        | 208.9                     | 99.1               |
| 9/30/2005  | 247        | 138.8                     | 108.2              |
| 10/1/2005  | 167        | 56.4                      | 110.6              |
| 10/2/2005  | 150        | 38.5                      | 111.5              |
| 10/3/2005  | 143        | 31.3                      | 111.7              |
| 10/4/2005  | 157        | 44.0                      | 113.0              |
| 10/5/2005  | 200        | 82.6                      | 117.4              |
| 10/6/2005  | 221        | 98.1                      | 122.9              |
| 10/7/2005  | 232        | 103.3                     | 128.7              |
| 10/8/2005  | 195        | 63.8                      | 131.2              |
| 10/9/2005  | 158        | 27.2                      | 130.8              |
| 10/10/2005 | 138        | 9.1                       | 128.9              |
| 10/11/2005 | 105        | 0.0                       | 105.0              |
| 10/12/2005 | 98         | 0.0                       | 98.0               |
| 10/13/2005 | 102        | 5.5                       | 96.5               |
| 10/14/2005 | 129        | 31.9                      | 97.1               |
| 10/15/2005 | 119        | 22.1                      | 96.9               |
| 10/16/2005 | 98         | 2.8                       | 95.2               |
| 10/17/2005 | 89         | 0.0                       | 89.0               |
| 10/18/2005 | 83         | 0.0                       | 83.0               |
| 10/19/2005 | 91         | 8.9                       | 82.1               |
| 10/20/2005 | 132        | 47.8                      | 84.2               |
| 10/21/2005 | 107        | 22.6                      | 84.4               |
| 10/22/2005 | 114        | 29.0                      | 85.0               |
| 10/23/2005 | 119        | 33.1                      | 85.9               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/24/2005 | 862        | 670.5                     | 191.5              |
| 10/25/2005 | 1330       | 988.1                     | 341.9              |
| 10/26/2005 | 974        | 556.7                     | 417.3              |
| 10/27/2005 | 706        | 263.2                     | 442.8              |
| 10/28/2005 | 533        | 93.1                      | 439.9              |
| 10/29/2005 | 399        | 0.0                       | 399.0              |
| 10/30/2005 | 284        | 0.0                       | 284.0              |
| 10/31/2005 | 175        | 0.0                       | 175.0              |
| 11/1/2005  | 148        | 0.0                       | 148.0              |
| 11/2/2005  | 315        | 149.1                     | 165.9              |
| 11/3/2005  | 361        | 173.9                     | 187.1              |
| 11/4/2005  | 221        | 35.7                      | 185.3              |
| 11/5/2005  | 159        | 0.0                       | 159.0              |
| 11/6/2005  | 136        | 0.0                       | 136.0              |
| 11/7/2005  | 124        | 0.0                       | 124.0              |
| 11/8/2005  | 130        | 9.4                       | 120.6              |
| 11/9/2005  | 124        | 7.1                       | 116.9              |
| 11/10/2005 | 98         | 0.0                       | 98.0               |
| 11/11/2005 | 87         | 0.0                       | 87.0               |
| 11/12/2005 | 83         | 0.0                       | 83.0               |
| 11/13/2005 | 82         | 2.0                       | 80.0               |
| 11/14/2005 | 80         | 2.8                       | 77.2               |
| 11/15/2005 | 81         | 5.9                       | 75.1               |
| 11/16/2005 | 83         | 9.4                       | 73.6               |
| 11/17/2005 | 81         | 8.9                       | 72.1               |
| 11/18/2005 | 76         | 5.9                       | 70.1               |
| 11/19/2005 | 76         | 7.5                       | 68.5               |
| 11/20/2005 | 113        | 40.7                      | 72.3               |
| 11/21/2005 | 166        | 83.3                      | 82.7               |
| 11/22/2005 | 154        | 64.3                      | 89.7               |
| 11/23/2005 | 113        | 23.2                      | 89.8               |
| 11/24/2005 | 94         | 6.7                       | 87.3               |
| 11/25/2005 | 84         | 0.2                       | 83.8               |
| 11/26/2005 | 83         | 2.2                       | 80.8               |
| 11/27/2005 | 86         | 7.2                       | 78.8               |
| 11/28/2005 | 83         | 6.4                       | 76.6               |
| 11/29/2005 | 110        | 31.4                      | 78.6               |
| 11/30/2005 | 170        | 81.5                      | 88.5               |
| 12/1/2005  | 160        | 64.7                      | 95.3               |
| 12/2/2005  | 145        | 46.1                      | 98.9               |
| 12/3/2005  | 90         | 0.0                       | 90.0               |
| 12/4/2005  | 85         | 0.0                       | 85.0               |
| 12/5/2005  | 85         | 2.9                       | 82.1               |
| 12/6/2005  | 82         | 2.8                       | 79.2               |
| 12/7/2005  | 84         | 6.8                       | 77.2               |
| 12/8/2005  | 201        | 109.4                     | 91.6               |
| 12/9/2005  | 373        | 245.8                     | 127.2              |
| 12/10/2005 | 311        | 162.8                     | 148.2              |
| 12/11/2005 | 178        | 30.8                      | 147.2              |
| 12/12/2005 | 155        | 11.8                      | 143.2              |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/24/2005 | 599        | 521.1                     | 77.9               |
| 10/25/2005 | 680        | 579.7                     | 100.3              |
| 10/26/2005 | 404        | 293.0                     | 111.0              |
| 10/27/2005 | 284        | 167.4                     | 116.6              |
| 10/28/2005 | 226        | 106.3                     | 119.7              |
| 10/29/2005 | 177        | 56.2                      | 120.8              |
| 10/30/2005 | 139        | 18.7                      | 120.3              |
| 10/31/2005 | 115        | 0.0                       | 115.0              |
| 11/1/2005  | 102        | 0.0                       | 102.0              |
| 11/2/2005  | 114        | 12.5                      | 101.5              |
| 11/3/2005  | 111        | 10.1                      | 100.9              |
| 11/4/2005  | 98         | 0.0                       | 98.0               |
| 11/5/2005  | 88         | 0.0                       | 88.0               |
| 11/6/2005  | 82         | 0.0                       | 82.0               |
| 11/7/2005  | 76         | 0.0                       | 76.0               |
| 11/8/2005  | 72         | 0.0                       | 72.0               |
| 11/9/2005  | 67         | 0.0                       | 67.0               |
| 11/10/2005 | 59         | 0.0                       | 59.0               |
| 11/11/2005 | 53         | 0.0                       | 53.0               |
| 11/12/2005 | 52         | 0.0                       | 52.0               |
| 11/13/2005 | 49         | 0.0                       | 49.0               |
| 11/14/2005 | 45         | 0.0                       | 45.0               |
| 11/15/2005 | 42         | 0.0                       | 42.0               |
| 11/16/2005 | 41         | 0.0                       | 41.0               |
| 11/17/2005 | 39         | 0.0                       | 39.0               |
| 11/18/2005 | 37         | 0.0                       | 37.0               |
| 11/19/2005 | 37         | 0.4                       | 36.6               |
| 11/20/2005 | 45         | 8.4                       | 36.6               |
| 11/21/2005 | 56         | 19.0                      | 37.0               |
| 11/22/2005 | 49         | 11.9                      | 37.1               |
| 11/23/2005 | 44         | 7.0                       | 37.0               |
| 11/24/2005 | 39         | 2.3                       | 36.7               |
| 11/25/2005 | 37         | 0.6                       | 36.4               |
| 11/26/2005 | 35         | 0.0                       | 35.0               |
| 11/27/2005 | 33         | 0.0                       | 33.0               |
| 11/28/2005 | 33         | 0.3                       | 32.7               |
| 11/29/2005 | 34         | 1.6                       | 32.4               |
| 11/30/2005 | 36         | 3.8                       | 32.2               |
| 12/1/2005  | 34         | 2.0                       | 32.0               |
| 12/2/2005  | 31         | 0.0                       | 31.0               |
| 12/3/2005  | 29         | 0.0                       | 29.0               |
| 12/4/2005  | 28         | 0.0                       | 28.0               |
| 12/5/2005  | 28         | 0.3                       | 27.7               |
| 12/6/2005  | 28         | 0.5                       | 27.5               |
| 12/7/2005  | 27         | 0.0                       | 27.0               |
| 12/8/2005  | 41         | 13.7                      | 27.3               |
| 12/9/2005  | 66         | 37.5                      | 28.5               |
| 12/10/2005 | 62         | 32.5                      | 29.5               |
| 12/11/2005 | 55         | 24.8                      | 30.2               |
| 12/12/2005 | 48         | 17.4                      | 30.6               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/24/2005 | 516        | 399.8                     | 116.2              |
| 10/25/2005 | 1010       | 829.7                     | 180.3              |
| 10/26/2005 | 750        | 530.9                     | 219.1              |
| 10/27/2005 | 485        | 250.2                     | 234.8              |
| 10/28/2005 | 303        | 67.5                      | 235.5              |
| 10/29/2005 | 215        | 0.0                       | 215.0              |
| 10/30/2005 | 172        | 0.0                       | 172.0              |
| 10/31/2005 | 146        | 0.0                       | 146.0              |
| 11/1/2005  | 115        | 0.0                       | 115.0              |
| 11/2/2005  | 151        | 35.5                      | 115.5              |
| 11/3/2005  | 184        | 65.5                      | 118.5              |
| 11/4/2005  | 163        | 43.4                      | 119.6              |
| 11/5/2005  | 124        | 6.3                       | 117.7              |
| 11/6/2005  | 119        | 3.4                       | 115.6              |
| 11/7/2005  | 115        | 1.6                       | 113.4              |
| 11/8/2005  | 117        | 5.4                       | 111.6              |
| 11/9/2005  | 113        | 3.4                       | 109.6              |
| 11/10/2005 | 100        | 0.0                       | 100.0              |
| 11/11/2005 | 98         | 0.0                       | 98.0               |
| 11/12/2005 | 96         | 0.0                       | 96.0               |
| 11/13/2005 | 92         | 0.0                       | 92.0               |
| 11/14/2005 | 89         | 0.0                       | 89.0               |
| 11/15/2005 | 84         | 0.0                       | 84.0               |
| 11/16/2005 | 82         | 0.0                       | 82.0               |
| 11/17/2005 | 80         | 0.0                       | 80.0               |
| 11/18/2005 | 86         | 7.0                       | 79.0               |
| 11/19/2005 | 85         | 7.1                       | 77.9               |
| 11/20/2005 | 95         | 17.2                      | 77.8               |
| 11/21/2005 | 110        | 31.3                      | 78.7               |
| 11/22/2005 | 106        | 26.7                      | 79.3               |
| 11/23/2005 | 109        | 29.0                      | 80.0               |
| 11/24/2005 | 101        | 20.9                      | 80.1               |
| 11/25/2005 | 95         | 15.3                      | 79.7               |
| 11/26/2005 | 91         | 11.9                      | 79.1               |
| 11/27/2005 | 88         | 9.7                       | 78.3               |
| 11/28/2005 | 85         | 7.7                       | 77.3               |
| 11/29/2005 | 70         | 0.0                       | 70.0               |
| 11/30/2005 | 78         | 8.7                       | 69.3               |
| 12/1/2005  | 78         | 9.3                       | 68.7               |
| 12/2/2005  | 73         | 5.3                       | 67.7               |
| 12/3/2005  | 70         | 3.4                       | 66.6               |
| 12/4/2005  | 69         | 3.4                       | 65.6               |
| 12/5/2005  | 65         | 0.7                       | 64.3               |
| 12/6/2005  | 67         | 3.7                       | 63.3               |
| 12/7/2005  | 70         | 7.4                       | 62.6               |
| 12/8/2005  | 110        | 45.0                      | 65.0               |
| 12/9/2005  | 210        | 135.5                     | 74.5               |
| 12/10/2005 | 150        | 71.3                      | 78.7               |
| 12/11/2005 | 130        | 48.9                      | 81.1               |
| 12/12/2005 | 120        | 37.5                      | 82.5               |



## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/13/2005 | 147        | 8.2                       | 138.8              |
| 12/14/2005 | 132        | 0.0                       | 132.0              |
| 12/15/2005 | 123        | 0.0                       | 123.0              |
| 12/16/2005 | 113        | 0.0                       | 113.0              |
| 12/17/2005 | 112        | 3.0                       | 109.0              |
| 12/18/2005 | 109        | 3.8                       | 105.2              |
| 12/19/2005 | 98         | 0.0                       | 98.0               |
| 12/20/2005 | 97         | 2.5                       | 94.5               |
| 12/21/2005 | 97         | 5.4                       | 91.6               |
| 12/22/2005 | 92         | 3.5                       | 88.5               |
| 12/23/2005 | 89         | 3.5                       | 85.5               |
| 12/24/2005 | 81         | 0.0                       | 81.0               |
| 12/25/2005 | 74         | 0.0                       | 74.0               |
| 12/26/2005 | 74         | 2.6                       | 71.4               |
| 12/27/2005 | 73         | 3.8                       | 69.2               |
| 12/28/2005 | 70         | 3.1                       | 66.9               |
| 12/29/2005 | 69         | 4.1                       | 64.9               |
| 12/30/2005 | 69         | 5.8                       | 63.2               |
| 12/31/2005 | 68         | 6.3                       | 61.7               |
| 1/1/2006   | 68         | 7.6                       | 60.4               |
| 1/2/2006   | 66         | 6.9                       | 59.1               |
| 1/3/2006   | 65         | 7.1                       | 57.9               |
| 1/4/2006   | 65         | 8.1                       | 56.9               |
| 1/5/2006   | 64         | 8.1                       | 55.9               |
| 1/6/2006   | 61         | 6.3                       | 54.7               |
| 1/7/2006   | 56         | 3.0                       | 53.0               |
| 1/8/2006   | 55         | 3.6                       | 51.4               |
| 1/9/2006   | 55         | 4.9                       | 50.1               |
| 1/10/2006  | 57         | 7.6                       | 49.4               |
| 1/11/2006  | 56         | 7.4                       | 48.6               |
| 1/12/2006  | 55         | 7.2                       | 47.8               |
| 1/13/2006  | 54         | 7.0                       | 47.0               |
| 1/14/2006  | 51         | 5.1                       | 45.9               |
| 1/15/2006  | 50         | 5.1                       | 44.9               |
| 1/16/2006  | 51         | 6.8                       | 44.2               |
| 1/17/2006  | 49         | 5.7                       | 43.3               |
| 1/18/2006  | 51         | 8.1                       | 42.9               |
| 1/19/2006  | 54         | 11.0                      | 43.0               |
| 1/20/2006  | 55         | 11.9                      | 43.1               |
| 1/21/2006  | 54         | 10.9                      | 43.1               |
| 1/22/2006  | 54         | 10.8                      | 43.2               |
| 1/23/2006  | 52         | 9.1                       | 42.9               |
| 1/24/2006  | 50         | 7.6                       | 42.4               |
| 1/25/2006  | 45         | 3.7                       | 41.3               |
| 1/26/2006  | 41         | 1.2                       | 39.8               |
| 1/27/2006  | 42         | 3.2                       | 38.8               |
| 1/28/2006  | 45         | 6.7                       | 38.3               |
| 1/29/2006  | 46         | 8.0                       | 38.0               |
| 1/30/2006  | 45         | 7.3                       | 37.7               |
| 1/31/2006  | 42         | 5.0                       | 37.0               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/13/2005 | 43         | 12.2                      | 30.8               |
| 12/14/2005 | 41         | 10.1                      | 30.9               |
| 12/15/2005 | 39         | 8.1                       | 30.9               |
| 12/16/2005 | 38         | 7.1                       | 30.9               |
| 12/17/2005 | 38         | 7.1                       | 30.9               |
| 12/18/2005 | 39         | 8.1                       | 30.9               |
| 12/19/2005 | 37         | 6.2                       | 30.8               |
| 12/20/2005 | 34         | 3.4                       | 30.6               |
| 12/21/2005 | 32         | 1.6                       | 30.4               |
| 12/22/2005 | 36         | 5.7                       | 30.3               |
| 12/23/2005 | 36         | 5.8                       | 30.2               |
| 12/24/2005 | 34         | 3.9                       | 30.1               |
| 12/25/2005 | 33         | 3.1                       | 29.9               |
| 12/26/2005 | 31         | 1.3                       | 29.7               |
| 12/27/2005 | 29         | 0.0                       | 29.0               |
| 12/28/2005 | 27         | 0.0                       | 27.0               |
| 12/29/2005 | 26         | 0.0                       | 26.0               |
| 12/30/2005 | 26         | 0.3                       | 25.8               |
| 12/31/2005 | 27         | 1.4                       | 25.6               |
| 1/1/2006   | 26         | 0.7                       | 25.3               |
| 1/2/2006   | 26         | 0.9                       | 25.1               |
| 1/3/2006   | 25         | 0.1                       | 24.9               |
| 1/4/2006   | 25         | 0.4                       | 24.6               |
| 1/5/2006   | 22         | 0.0                       | 22.0               |
| 1/6/2006   | 22         | 0.2                       | 21.8               |
| 1/7/2006   | 21         | 0.0                       | 21.0               |
| 1/8/2006   | 21         | 0.2                       | 20.8               |
| 1/9/2006   | 20         | 0.0                       | 20.0               |
| 1/10/2006  | 18         | 0.0                       | 18.0               |
| 1/11/2006  | 18         | 0.2                       | 17.8               |
| 1/12/2006  | 17         | 0.0                       | 17.0               |
| 1/13/2006  | 18         | 1.1                       | 16.9               |
| 1/14/2006  | 22         | 5.1                       | 16.9               |
| 1/15/2006  | 26         | 8.9                       | 17.1               |
| 1/16/2006  | 25         | 7.8                       | 17.2               |
| 1/17/2006  | 27         | 9.6                       | 17.4               |
| 1/18/2006  | 24         | 6.5                       | 17.5               |
| 1/19/2006  | 22         | 4.5                       | 17.5               |
| 1/20/2006  | 26         | 8.3                       | 17.7               |
| 1/21/2006  | 26         | 8.2                       | 17.8               |
| 1/22/2006  | 21         | 3.2                       | 17.8               |
| 1/23/2006  | 21         | 3.3                       | 17.7               |
| 1/24/2006  | 21         | 3.3                       | 17.7               |
| 1/25/2006  | 23         | 5.3                       | 17.7               |
| 1/26/2006  | 19         | 1.4                       | 17.6               |
| 1/27/2006  | 19         | 1.5                       | 17.5               |
| 1/28/2006  | 19         | 1.6                       | 17.4               |
| 1/29/2006  | 20         | 2.7                       | 17.3               |
| 1/30/2006  | 20         | 2.7                       | 17.3               |
| 1/31/2006  | 20         | 2.8                       | 17.2               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/13/2005 | 83         | 2.0                       | 81.0               |
| 12/14/2005 | 77         | 0.0                       | 77.0               |
| 12/15/2005 | 74         | 0.0                       | 74.0               |
| 12/16/2005 | 73         | 0.4                       | 72.6               |
| 12/17/2005 | 75         | 3.6                       | 71.4               |
| 12/18/2005 | 79         | 8.4                       | 70.6               |
| 12/19/2005 | 77         | 7.2                       | 69.8               |
| 12/20/2005 | 73         | 4.3                       | 68.7               |
| 12/21/2005 | 72         | 4.3                       | 67.7               |
| 12/22/2005 | 71         | 4.3                       | 66.7               |
| 12/23/2005 | 74         | 8.0                       | 66.0               |
| 12/24/2005 | 73         | 7.7                       | 65.3               |
| 12/25/2005 | 72         | 7.4                       | 64.6               |
| 12/26/2005 | 71         | 7.1                       | 63.9               |
| 12/27/2005 | 70         | 6.9                       | 63.1               |
| 12/28/2005 | 69         | 6.6                       | 62.4               |
| 12/29/2005 | 70         | 8.2                       | 61.8               |
| 12/30/2005 | 70         | 8.7                       | 61.3               |
| 12/31/2005 | 70         | 9.2                       | 60.8               |
| 1/1/2006   | 70         | 9.7                       | 60.3               |
| 1/2/2006   | 70         | 10.1                      | 59.9               |
| 1/3/2006   | 68         | 8.6                       | 59.4               |
| 1/4/2006   | 67         | 8.1                       | 58.9               |
| 1/5/2006   | 67         | 8.6                       | 58.4               |
| 1/6/2006   | 67         | 9.0                       | 58.0               |
| 1/7/2006   | 66         | 8.5                       | 57.5               |
| 1/8/2006   | 66         | 9.0                       | 57.0               |
| 1/9/2006   | 74         | 16.8                      | 57.2               |
| 1/10/2006  | 73         | 15.6                      | 57.4               |
| 1/11/2006  | 68         | 10.9                      | 57.1               |
| 1/12/2006  | 69         | 12.1                      | 56.9               |
| 1/13/2006  | 68         | 11.3                      | 56.7               |
| 1/14/2006  | 68         | 11.5                      | 56.5               |
| 1/15/2006  | 66         | 9.9                       | 56.1               |
| 1/16/2006  | 66         | 10.2                      | 55.8               |
| 1/17/2006  | 66         | 10.5                      | 55.5               |
| 1/18/2006  | 66         | 10.7                      | 55.3               |
| 1/19/2006  | 67         | 11.9                      | 55.1               |
| 1/20/2006  | 66         | 11.1                      | 54.9               |
| 1/21/2006  | 68         | 13.1                      | 54.9               |
| 1/22/2006  | 66         | 11.3                      | 54.7               |
| 1/23/2006  | 66         | 11.5                      | 54.5               |
| 1/24/2006  | 65         | 10.7                      | 54.3               |
| 1/25/2006  | 66         | 11.9                      | 54.1               |
| 1/26/2006  | 69         | 14.8                      | 54.2               |
| 1/27/2006  | 69         | 14.7                      | 54.3               |
| 1/28/2006  | 67         | 12.7                      | 54.3               |
| 1/29/2006  | 65         | 11.0                      | 54.0               |
| 1/30/2006  | 65         | 11.1                      | 53.9               |
| 1/31/2006  | 64         | 10.4                      | 53.6               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/1/2006  | 38         | 2.2                       | 35.8               |
| 2/2/2006  | 39         | 4.0                       | 35.0               |
| 2/3/2006  | 66         | 27.9                      | 38.1               |
| 2/4/2006  | 209        | 148.6                     | 60.4               |
| 2/5/2006  | 320        | 225.9                     | 94.1               |
| 2/6/2006  | 239        | 128.2                     | 110.8              |
| 2/7/2006  | 170        | 54.8                      | 115.2              |
| 2/8/2006  | 135        | 21.1                      | 113.9              |
| 2/9/2006  | 116        | 5.7                       | 110.3              |
| 2/10/2006 | 102        | 0.0                       | 102.0              |
| 2/11/2006 | 92         | 0.0                       | 92.0               |
| 2/12/2006 | 86         | 0.0                       | 86.0               |
| 2/13/2006 | 80         | 0.0                       | 80.0               |
| 2/14/2006 | 76         | 0.0                       | 76.0               |
| 2/15/2006 | 76         | 2.6                       | 73.4               |
| 2/16/2006 | 78         | 6.5                       | 71.5               |
| 2/17/2006 | 78         | 8.1                       | 69.9               |
| 2/18/2006 | 74         | 5.9                       | 68.1               |
| 2/19/2006 | 70         | 4.0                       | 66.0               |
| 2/20/2006 | 67         | 3.1                       | 63.9               |
| 2/21/2006 | 63         | 1.5                       | 61.5               |
| 2/22/2006 | 61         | 1.7                       | 59.3               |
| 2/23/2006 | 62         | 4.3                       | 57.7               |
| 2/24/2006 | 64         | 7.5                       | 56.5               |
| 2/25/2006 | 64         | 8.4                       | 55.6               |
| 2/26/2006 | 62         | 7.4                       | 54.6               |
| 2/27/2006 | 60         | 6.5                       | 53.5               |
| 2/28/2006 | 62         | 9.2                       | 52.8               |
| 3/1/2006  | 59         | 7.2                       | 51.8               |
| 3/2/2006  | 54         | 3.7                       | 50.3               |
| 3/3/2006  | 50         | 1.4                       | 48.6               |
| 3/4/2006  | 50         | 2.9                       | 47.1               |
| 3/5/2006  | 51         | 5.0                       | 46.0               |
| 3/6/2006  | 52         | 6.8                       | 45.2               |
| 3/7/2006  | 47         | 3.1                       | 43.9               |
| 3/8/2006  | 45         | 2.4                       | 42.6               |
| 3/9/2006  | 46         | 4.4                       | 41.6               |
| 3/10/2006 | 47         | 6.1                       | 40.9               |
| 3/11/2006 | 47         | 6.7                       | 40.3               |
| 3/12/2006 | 47         | 7.2                       | 39.8               |
| 3/13/2006 | 45         | 5.8                       | 39.2               |
| 3/14/2006 | 41         | 2.9                       | 38.1               |
| 3/15/2006 | 36         | 0.0                       | 36.0               |
| 3/16/2006 | 38         | 3.0                       | 35.0               |
| 3/17/2006 | 38         | 3.8                       | 34.2               |
| 3/18/2006 | 36         | 2.7                       | 33.3               |
| 3/19/2006 | 37         | 4.3                       | 32.7               |
| 3/20/2006 | 38         | 5.7                       | 32.3               |
| 3/21/2006 | 36         | 4.3                       | 31.7               |
| 3/22/2006 | 33         | 2.2                       | 30.8               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/1/2006  | 22         | 4.8                       | 17.2               |
| 2/2/2006  | 21         | 3.8                       | 17.2               |
| 2/3/2006  | 26         | 8.6                       | 17.4               |
| 2/4/2006  | 41         | 22.9                      | 18.1               |
| 2/5/2006  | 42         | 23.1                      | 18.9               |
| 2/6/2006  | 37         | 17.6                      | 19.4               |
| 2/7/2006  | 33         | 13.3                      | 19.7               |
| 2/8/2006  | 30         | 10.1                      | 19.9               |
| 2/9/2006  | 30         | 9.9                       | 20.1               |
| 2/10/2006 | 28         | 7.8                       | 20.2               |
| 2/11/2006 | 25         | 4.8                       | 20.2               |
| 2/12/2006 | 28         | 7.7                       | 20.3               |
| 2/13/2006 | 26         | 5.7                       | 20.3               |
| 2/14/2006 | 24         | 3.7                       | 20.3               |
| 2/15/2006 | 23         | 2.8                       | 20.2               |
| 2/16/2006 | 24         | 3.9                       | 20.1               |
| 2/17/2006 | 27         | 6.8                       | 20.2               |
| 2/18/2006 | 31         | 10.6                      | 20.4               |
| 2/19/2006 | 26         | 5.5                       | 20.5               |
| 2/20/2006 | 25         | 4.6                       | 20.4               |
| 2/21/2006 | 27         | 6.5                       | 20.5               |
| 2/22/2006 | 28         | 7.4                       | 20.6               |
| 2/23/2006 | 25         | 4.4                       | 20.6               |
| 2/24/2006 | 23         | 2.6                       | 20.4               |
| 2/25/2006 | 23         | 2.7                       | 20.3               |
| 2/26/2006 | 26         | 5.6                       | 20.4               |
| 2/27/2006 | 26         | 5.6                       | 20.4               |
| 2/28/2006 | 30         | 9.4                       | 20.6               |
| 3/1/2006  | 27         | 6.4                       | 20.6               |
| 3/2/2006  | 25         | 4.4                       | 20.6               |
| 3/3/2006  | 25         | 4.4                       | 20.6               |
| 3/4/2006  | 24         | 3.5                       | 20.5               |
| 3/5/2006  | 20         | 0.0                       | 20.0               |
| 3/6/2006  | 23         | 3.1                       | 19.9               |
| 3/7/2006  | 21         | 1.2                       | 19.8               |
| 3/8/2006  | 21         | 1.4                       | 19.6               |
| 3/9/2006  | 21         | 1.5                       | 19.5               |
| 3/10/2006 | 22         | 2.6                       | 19.4               |
| 3/11/2006 | 22         | 2.7                       | 19.3               |
| 3/12/2006 | 21         | 1.8                       | 19.2               |
| 3/13/2006 | 19         | 0.0                       | 19.0               |
| 3/14/2006 | 18         | 0.0                       | 18.0               |
| 3/15/2006 | 17         | 0.0                       | 17.0               |
| 3/16/2006 | 16         | 0.0                       | 16.0               |
| 3/17/2006 | 16         | 0.2                       | 15.8               |
| 3/18/2006 | 17         | 1.3                       | 15.7               |
| 3/19/2006 | 16         | 0.4                       | 15.6               |
| 3/20/2006 | 14         | 0.0                       | 14.0               |
| 3/21/2006 | 15         | 1.1                       | 13.9               |
| 3/22/2006 | 15         | 1.2                       | 13.8               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/1/2006  | 63         | 9.7                       | 53.3               |
| 2/2/2006  | 64         | 10.9                      | 53.1               |
| 2/3/2006  | 73         | 19.4                      | 53.6               |
| 2/4/2006  | 169        | 107.8                     | 61.2               |
| 2/5/2006  | 216        | 144.5                     | 71.5               |
| 2/6/2006  | 165        | 87.9                      | 77.1               |
| 2/7/2006  | 132        | 52.3                      | 79.7               |
| 2/8/2006  | 90         | 11.0                      | 79.0               |
| 2/9/2006  | 82         | 4.2                       | 77.8               |
| 2/10/2006 | 79         | 2.6                       | 76.4               |
| 2/11/2006 | 74         | 0.0                       | 74.0               |
| 2/12/2006 | 78         | 5.1                       | 72.9               |
| 2/13/2006 | 84         | 11.6                      | 72.4               |
| 2/14/2006 | 85         | 13.0                      | 72.0               |
| 2/15/2006 | 88         | 16.2                      | 71.8               |
| 2/16/2006 | 77         | 6.1                       | 70.9               |
| 2/17/2006 | 74         | 4.2                       | 69.8               |
| 2/18/2006 | 73         | 4.2                       | 68.8               |
| 2/19/2006 | 71         | 3.4                       | 67.6               |
| 2/20/2006 | 70         | 3.4                       | 66.6               |
| 2/21/2006 | 68         | 2.6                       | 65.4               |
| 2/22/2006 | 68         | 3.6                       | 64.4               |
| 2/23/2006 | 68         | 4.5                       | 63.5               |
| 2/24/2006 | 70         | 7.2                       | 62.8               |
| 2/25/2006 | 70         | 7.8                       | 62.2               |
| 2/26/2006 | 73         | 11.2                      | 61.8               |
| 2/27/2006 | 71         | 9.6                       | 61.4               |
| 2/28/2006 | 69         | 8.2                       | 60.8               |
| 3/1/2006  | 68         | 7.8                       | 60.2               |
| 3/2/2006  | 68         | 8.3                       | 59.7               |
| 3/3/2006  | 67         | 7.9                       | 59.1               |
| 3/4/2006  | 66         | 7.5                       | 58.5               |
| 3/5/2006  | 66         | 8.0                       | 58.0               |
| 3/6/2006  | 65         | 7.6                       | 57.4               |
| 3/7/2006  | 65         | 8.1                       | 56.9               |
| 3/8/2006  | 61         | 4.8                       | 56.2               |
| 3/9/2006  | 65         | 9.2                       | 55.8               |
| 3/10/2006 | 65         | 9.6                       | 55.4               |
| 3/11/2006 | 57         | 2.5                       | 54.5               |
| 3/12/2006 | 52         | 0.0                       | 52.0               |
| 3/13/2006 | 53         | 1.9                       | 51.1               |
| 3/14/2006 | 55         | 4.5                       | 50.5               |
| 3/15/2006 | 58         | 7.9                       | 50.1               |
| 3/16/2006 | 53         | 3.6                       | 49.4               |
| 3/17/2006 | 58         | 8.9                       | 49.1               |
| 3/18/2006 | 61         | 11.9                      | 49.1               |
| 3/19/2006 | 61         | 12.0                      | 49.0               |
| 3/20/2006 | 61         | 12.0                      | 49.0               |
| 3/21/2006 | 56         | 7.4                       | 48.6               |
| 3/22/2006 | 53         | 4.9                       | 48.1               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/23/2006 | 33         | 3.0                       | 30.0               |
| 3/24/2006 | 34         | 4.5                       | 29.5               |
| 3/25/2006 | 32         | 3.2                       | 28.8               |
| 3/26/2006 | 30         | 2.0                       | 28.0               |
| 3/27/2006 | 28         | 1.0                       | 27.0               |
| 3/28/2006 | 31         | 4.3                       | 26.7               |
| 3/29/2006 | 33         | 6.4                       | 26.6               |
| 3/30/2006 | 33         | 6.4                       | 26.6               |
| 3/31/2006 | 33         | 6.5                       | 26.5               |
| 4/1/2006  | 33         | 6.5                       | 26.5               |
| 4/2/2006  | 33         | 6.5                       | 26.5               |
| 4/3/2006  | 32         | 5.7                       | 26.3               |
| 4/4/2006  | 30         | 4.1                       | 25.9               |
| 4/5/2006  | 28         | 2.7                       | 25.3               |
| 4/6/2006  | 29         | 4.0                       | 25.0               |
| 4/7/2006  | 30         | 5.2                       | 24.8               |
| 4/8/2006  | 30         | 5.3                       | 24.7               |
| 4/9/2006  | 31         | 6.3                       | 24.7               |
| 4/10/2006 | 29         | 4.6                       | 24.4               |
| 4/11/2006 | 26         | 2.2                       | 23.8               |
| 4/12/2006 | 25         | 1.9                       | 23.1               |
| 4/13/2006 | 26         | 3.3                       | 22.7               |
| 4/14/2006 | 27         | 4.5                       | 22.5               |
| 4/15/2006 | 28         | 5.5                       | 22.5               |
| 4/16/2006 | 29         | 6.4                       | 22.6               |
| 4/17/2006 | 28         | 5.4                       | 22.6               |
| 4/18/2006 | 25         | 2.9                       | 22.1               |
| 4/19/2006 | 24         | 2.4                       | 21.6               |
| 4/20/2006 | 22         | 1.1                       | 20.9               |
| 4/21/2006 | 22         | 1.6                       | 20.4               |
| 4/22/2006 | 28         | 7.3                       | 20.7               |
| 4/23/2006 | 42         | 19.1                      | 22.9               |
| 4/24/2006 | 47         | 21.5                      | 25.5               |
| 4/25/2006 | 43         | 16.0                      | 27.0               |
| 4/26/2006 | 39         | 11.3                      | 27.7               |
| 4/27/2006 | 33         | 5.5                       | 27.5               |
| 4/28/2006 | 28         | 1.4                       | 26.6               |
| 4/29/2006 | 25         | 0.0                       | 25.0               |
| 4/30/2006 | 25         | 0.9                       | 24.1               |
| 5/1/2006  | 24         | 0.7                       | 23.3               |
| 5/2/2006  | 22         | 0.0                       | 22.0               |
| 5/3/2006  | 21         | 0.0                       | 21.0               |
| 5/4/2006  | 19         | 0.0                       | 19.0               |
| 5/5/2006  | 16         | 0.0                       | 16.0               |
| 5/6/2006  | 15         | 0.0                       | 15.0               |
| 5/7/2006  | 17         | 2.2                       | 14.8               |
| 5/8/2006  | 16         | 1.6                       | 14.4               |
| 5/9/2006  | 14         | 0.1                       | 13.9               |
| 5/10/2006 | 13         | 0.0                       | 13.0               |
| 5/11/2006 | 13         | 0.4                       | 12.6               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/23/2006 | 14         | 0.3                       | 13.7               |
| 3/24/2006 | 14         | 0.4                       | 13.6               |
| 3/25/2006 | 13         | 0.0                       | 13.0               |
| 3/26/2006 | 12         | 0.0                       | 12.0               |
| 3/27/2006 | 12         | 0.1                       | 11.9               |
| 3/28/2006 | 14         | 2.1                       | 11.9               |
| 3/29/2006 | 15         | 3.1                       | 11.9               |
| 3/30/2006 | 13         | 1.2                       | 11.8               |
| 3/31/2006 | 14         | 2.2                       | 11.8               |
| 4/1/2006  | 15         | 3.2                       | 11.8               |
| 4/2/2006  | 14         | 2.3                       | 11.7               |
| 4/3/2006  | 13         | 1.3                       | 11.7               |
| 4/4/2006  | 13         | 1.4                       | 11.6               |
| 4/5/2006  | 14         | 2.4                       | 11.6               |
| 4/6/2006  | 13         | 1.5                       | 11.5               |
| 4/7/2006  | 12         | 0.6                       | 11.4               |
| 4/8/2006  | 12         | 0.6                       | 11.4               |
| 4/9/2006  | 17         | 5.5                       | 11.5               |
| 4/10/2006 | 15         | 3.5                       | 11.5               |
| 4/11/2006 | 13         | 1.6                       | 11.4               |
| 4/12/2006 | 13         | 1.6                       | 11.4               |
| 4/13/2006 | 13         | 1.7                       | 11.3               |
| 4/14/2006 | 12         | 0.7                       | 11.3               |
| 4/15/2006 | 11         | 0.0                       | 11.0               |
| 4/16/2006 | 11         | 0.1                       | 10.9               |
| 4/17/2006 | 11         | 0.2                       | 10.8               |
| 4/18/2006 | 12         | 1.3                       | 10.7               |
| 4/19/2006 | 12         | 1.3                       | 10.7               |
| 4/20/2006 | 12         | 1.4                       | 10.6               |
| 4/21/2006 | 11         | 0.5                       | 10.5               |
| 4/22/2006 | 12         | 1.5                       | 10.5               |
| 4/23/2006 | 15         | 4.4                       | 10.6               |
| 4/24/2006 | 14         | 3.4                       | 10.6               |
| 4/25/2006 | 12         | 1.4                       | 10.6               |
| 4/26/2006 | 12         | 1.5                       | 10.5               |
| 4/27/2006 | 14         | 3.5                       | 10.5               |
| 4/28/2006 | 13         | 2.5                       | 10.5               |
| 4/29/2006 | 11         | 0.6                       | 10.4               |
| 4/30/2006 | 11         | 0.6                       | 10.4               |
| 5/1/2006  | 11         | 0.7                       | 10.3               |
| 5/2/2006  | 11         | 0.8                       | 10.2               |
| 5/3/2006  | 9.8        | 0.0                       | 9.8                |
| 5/4/2006  | 9.4        | 0.0                       | 9.4                |
| 5/5/2006  | 8.9        | 0.0                       | 8.9                |
| 5/6/2006  | 8.4        | 0.0                       | 8.4                |
| 5/7/2006  | 8.3        | 0.0                       | 8.3                |
| 5/8/2006  | 8.2        | 0.0                       | 8.2                |
| 5/9/2006  | 7.9        | 0.0                       | 7.9                |
| 5/10/2006 | 7.3        | 0.0                       | 7.3                |
| 5/11/2006 | 7.3        | 0.1                       | 7.2                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/23/2006 | 54         | 6.4                       | 47.6               |
| 3/24/2006 | 58         | 10.5                      | 47.5               |
| 3/25/2006 | 53         | 6.0                       | 47.0               |
| 3/26/2006 | 50         | 3.6                       | 46.4               |
| 3/27/2006 | 50         | 4.2                       | 45.8               |
| 3/28/2006 | 49         | 3.8                       | 45.2               |
| 3/29/2006 | 48         | 3.5                       | 44.5               |
| 3/30/2006 | 48         | 4.0                       | 44.0               |
| 3/31/2006 | 52         | 8.2                       | 43.8               |
| 4/1/2006  | 51         | 7.5                       | 43.5               |
| 4/2/2006  | 51         | 7.8                       | 43.2               |
| 4/3/2006  | 49         | 6.1                       | 42.9               |
| 4/4/2006  | 48         | 5.6                       | 42.4               |
| 4/5/2006  | 49         | 6.9                       | 42.1               |
| 4/6/2006  | 47         | 5.3                       | 41.7               |
| 4/7/2006  | 43         | 2.0                       | 41.0               |
| 4/8/2006  | 43         | 2.6                       | 40.4               |
| 4/9/2006  | 49         | 8.7                       | 40.3               |
| 4/10/2006 | 48         | 7.9                       | 40.1               |
| 4/11/2006 | 45         | 5.2                       | 39.8               |
| 4/12/2006 | 44         | 4.7                       | 39.3               |
| 4/13/2006 | 45         | 6.0                       | 39.0               |
| 4/14/2006 | 45         | 6.3                       | 38.7               |
| 4/15/2006 | 44         | 5.6                       | 38.4               |
| 4/16/2006 | 43         | 5.0                       | 38.0               |
| 4/17/2006 | 43         | 5.3                       | 37.7               |
| 4/18/2006 | 43         | 5.6                       | 37.4               |
| 4/19/2006 | 45         | 7.7                       | 37.3               |
| 4/20/2006 | 48         | 10.6                      | 37.4               |
| 4/21/2006 | 47         | 9.6                       | 37.4               |
| 4/22/2006 | 51         | 13.3                      | 37.7               |
| 4/23/2006 | 78         | 38.0                      | 40.0               |
| 4/24/2006 | 69         | 27.6                      | 41.4               |
| 4/25/2006 | 97         | 52.2                      | 44.8               |
| 4/26/2006 | 67         | 21.4                      | 45.6               |
| 4/27/2006 | 66         | 19.8                      | 46.2               |
| 4/28/2006 | 55         | 9.0                       | 46.0               |
| 4/29/2006 | 49         | 3.6                       | 45.4               |
| 4/30/2006 | 47         | 2.3                       | 44.7               |
| 5/1/2006  | 47         | 3.0                       | 44.0               |
| 5/2/2006  | 43         | 0.0                       | 43.0               |
| 5/3/2006  | 42         | 0.0                       | 42.0               |
| 5/4/2006  | 41         | 0.0                       | 41.0               |
| 5/5/2006  | 40         | 0.0                       | 40.0               |
| 5/6/2006  | 37         | 0.0                       | 37.0               |
| 5/7/2006  | 39         | 2.5                       | 36.5               |
| 5/8/2006  | 39         | 3.0                       | 36.0               |
| 5/9/2006  | 41         | 5.3                       | 35.7               |
| 5/10/2006 | 41         | 5.6                       | 35.4               |
| 5/11/2006 | 43         | 7.7                       | 35.3               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/12/2006 | 16         | 3.4                       | 12.6               |
| 5/13/2006 | 19         | 6.0                       | 13.0               |
| 5/14/2006 | 20         | 6.4                       | 13.6               |
| 5/15/2006 | 23         | 8.6                       | 14.4               |
| 5/16/2006 | 42         | 24.3                      | 17.7               |
| 5/17/2006 | 53         | 31.0                      | 22.0               |
| 5/18/2006 | 46         | 21.5                      | 24.5               |
| 5/19/2006 | 39         | 13.3                      | 25.7               |
| 5/20/2006 | 34         | 8.1                       | 25.9               |
| 5/21/2006 | 31         | 5.3                       | 25.7               |
| 5/22/2006 | 27         | 2.0                       | 25.0               |
| 5/23/2006 | 24         | 0.0                       | 24.0               |
| 5/24/2006 | 23         | 0.0                       | 23.0               |
| 5/25/2006 | 22         | 0.0                       | 22.0               |
| 5/26/2006 | 22         | 0.8                       | 21.2               |
| 5/27/2006 | 23         | 2.2                       | 20.8               |
| 5/28/2006 | 23         | 2.7                       | 20.3               |
| 5/29/2006 | 22         | 2.1                       | 19.9               |
| 5/30/2006 | 21         | 1.7                       | 19.3               |
| 5/31/2006 | 20         | 1.2                       | 18.8               |
| 6/1/2006  | 35         | 14.6                      | 20.4               |
| 6/2/2006  | 46         | 22.8                      | 23.2               |
| 6/3/2006  | 52         | 25.6                      | 26.4               |
| 6/4/2006  | 55         | 25.6                      | 29.4               |
| 6/5/2006  | 64         | 30.8                      | 33.2               |
| 6/6/2006  | 55         | 20.0                      | 35.0               |
| 6/7/2006  | 45         | 9.8                       | 35.2               |
| 6/8/2006  | 41         | 6.2                       | 34.8               |
| 6/9/2006  | 38         | 4.0                       | 34.0               |
| 6/10/2006 | 37         | 3.7                       | 33.3               |
| 6/11/2006 | 43         | 9.5                       | 33.5               |
| 6/12/2006 | 55         | 19.7                      | 35.3               |
| 6/13/2006 | 54         | 17.4                      | 36.6               |
| 6/14/2006 | 48         | 11.1                      | 36.9               |
| 6/15/2006 | 44         | 7.4                       | 36.6               |
| 6/16/2006 | 39         | 3.3                       | 35.7               |
| 6/17/2006 | 41         | 5.8                       | 35.2               |
| 6/18/2006 | 77         | 37.2                      | 39.8               |
| 6/19/2006 | 87         | 42.1                      | 44.9               |
| 6/20/2006 | 70         | 23.2                      | 46.8               |
| 6/21/2006 | 59         | 12.1                      | 46.9               |
| 6/22/2006 | 48         | 2.6                       | 45.4               |
| 6/23/2006 | 37         | 0.0                       | 37.0               |
| 6/24/2006 | 40         | 3.9                       | 36.1               |
| 6/25/2006 | 86         | 44.2                      | 41.8               |
| 6/26/2006 | 138        | 84.4                      | 53.6               |
| 6/27/2006 | 325        | 235.8                     | 89.2               |
| 6/28/2006 | 650        | 486.5                     | 163.5              |
| 6/29/2006 | 484        | 282.0                     | 202.0              |
| 6/30/2006 | 256        | 53.5                      | 202.5              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/12/2006 | 12         | 4.7                       | 7.3                |
| 5/13/2006 | 25         | 17.0                      | 8.0                |
| 5/14/2006 | 9.5        | 1.6                       | 7.9                |
| 5/15/2006 | 8          | 0.1                       | 7.9                |
| 5/16/2006 | 9.2        | 1.4                       | 7.8                |
| 5/17/2006 | 8.9        | 1.1                       | 7.8                |
| 5/18/2006 | 7.7        | 0.0                       | 7.7                |
| 5/19/2006 | 6.7        | 0.0                       | 6.7                |
| 5/20/2006 | 6.1        | 0.0                       | 6.1                |
| 5/21/2006 | 5.7        | 0.0                       | 5.7                |
| 5/22/2006 | 5.9        | 0.2                       | 5.7                |
| 5/23/2006 | 6.1        | 0.5                       | 5.6                |
| 5/24/2006 | 6          | 0.4                       | 5.6                |
| 5/25/2006 | 5.8        | 0.3                       | 5.5                |
| 5/26/2006 | 5.9        | 0.4                       | 5.5                |
| 5/27/2006 | 6.5        | 1.0                       | 5.5                |
| 5/28/2006 | 6.7        | 1.2                       | 5.5                |
| 5/29/2006 | 6.6        | 1.1                       | 5.5                |
| 5/30/2006 | 6.3        | 0.9                       | 5.4                |
| 5/31/2006 | 6.7        | 1.3                       | 5.4                |
| 6/1/2006  | 6.5        | 1.1                       | 5.4                |
| 6/2/2006  | 6.5        | 1.1                       | 5.4                |
| 6/3/2006  | 13         | 7.3                       | 5.7                |
| 6/4/2006  | 19         | 12.9                      | 6.1                |
| 6/5/2006  | 12         | 5.7                       | 6.3                |
| 6/6/2006  | 10         | 3.6                       | 6.4                |
| 6/7/2006  | 11         | 4.5                       | 6.5                |
| 6/8/2006  | 10         | 3.4                       | 6.6                |
| 6/9/2006  | 8.7        | 2.1                       | 6.6                |
| 6/10/2006 | 8.1        | 1.5                       | 6.6                |
| 6/11/2006 | 12         | 5.3                       | 6.7                |
| 6/12/2006 | 16         | 9.0                       | 7.0                |
| 6/13/2006 | 18         | 10.6                      | 7.4                |
| 6/14/2006 | 12         | 4.5                       | 7.5                |
| 6/15/2006 | 12         | 4.4                       | 7.6                |
| 6/16/2006 | 11         | 3.4                       | 7.6                |
| 6/17/2006 | 8.7        | 1.1                       | 7.6                |
| 6/18/2006 | 25         | 16.8                      | 8.2                |
| 6/19/2006 | 17         | 8.5                       | 8.5                |
| 6/20/2006 | 18         | 9.3                       | 8.7                |
| 6/21/2006 | 19         | 9.9                       | 9.1                |
| 6/22/2006 | 17         | 7.7                       | 9.3                |
| 6/23/2006 | 14         | 4.6                       | 9.4                |
| 6/24/2006 | 12         | 2.6                       | 9.4                |
| 6/25/2006 | 11         | 1.7                       | 9.3                |
| 6/26/2006 | 12         | 2.6                       | 9.4                |
| 6/27/2006 | 22         | 12.2                      | 9.8                |
| 6/28/2006 | 44         | 33.0                      | 11.0               |
| 6/29/2006 | 28         | 16.5                      | 11.5               |
| 6/30/2006 | 25         | 13.1                      | 11.9               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/12/2006 | 50         | 14.2                      | 35.8               |
| 5/13/2006 | 52         | 15.7                      | 36.3               |
| 5/14/2006 | 45         | 8.7                       | 36.3               |
| 5/15/2006 | 45         | 8.8                       | 36.2               |
| 5/16/2006 | 52         | 15.3                      | 36.7               |
| 5/17/2006 | 62         | 24.1                      | 37.9               |
| 5/18/2006 | 46         | 8.2                       | 37.8               |
| 5/19/2006 | 43         | 5.5                       | 37.5               |
| 5/20/2006 | 42         | 4.9                       | 37.1               |
| 5/21/2006 | 40         | 3.3                       | 36.7               |
| 5/22/2006 | 40         | 3.8                       | 36.2               |
| 5/23/2006 | 39         | 3.2                       | 35.8               |
| 5/24/2006 | 38         | 2.7                       | 35.3               |
| 5/25/2006 | 35         | 0.4                       | 34.6               |
| 5/26/2006 | 37         | 2.9                       | 34.1               |
| 5/27/2006 | 34         | 0.5                       | 33.5               |
| 5/28/2006 | 45         | 11.3                      | 33.7               |
| 5/29/2006 | 44         | 10.1                      | 33.9               |
| 5/30/2006 | 40         | 6.3                       | 33.7               |
| 5/31/2006 | 39         | 5.5                       | 33.5               |
| 6/1/2006  | 41         | 7.6                       | 33.4               |
| 6/2/2006  | 40         | 6.7                       | 33.3               |
| 6/3/2006  | 51         | 17.0                      | 34.0               |
| 6/4/2006  | 48         | 13.6                      | 34.4               |
| 6/5/2006  | 108        | 68.8                      | 39.2               |
| 6/6/2006  | 79         | 37.6                      | 41.4               |
| 6/7/2006  | 66         | 23.5                      | 42.5               |
| 6/8/2006  | 60         | 17.0                      | 43.0               |
| 6/9/2006  | 75         | 30.4                      | 44.6               |
| 6/10/2006 | 71         | 25.3                      | 45.7               |
| 6/11/2006 | 66         | 19.6                      | 46.4               |
| 6/12/2006 | 76         | 28.3                      | 47.7               |
| 6/13/2006 | 74         | 25.2                      | 48.8               |
| 6/14/2006 | 62         | 13.2                      | 48.8               |
| 6/15/2006 | 57         | 8.5                       | 48.5               |
| 6/16/2006 | 55         | 6.9                       | 48.1               |
| 6/17/2006 | 52         | 4.5                       | 47.5               |
| 6/18/2006 | 63         | 15.2                      | 47.8               |
| 6/19/2006 | 66         | 17.8                      | 48.2               |
| 6/20/2006 | 57         | 9.0                       | 48.0               |
| 6/21/2006 | 53         | 5.5                       | 47.5               |
| 6/22/2006 | 53         | 6.0                       | 47.0               |
| 6/23/2006 | 47         | 0.9                       | 46.1               |
| 6/24/2006 | 50         | 4.4                       | 45.6               |
| 6/25/2006 | 56         | 10.5                      | 45.5               |
| 6/26/2006 | 66         | 19.8                      | 46.2               |
| 6/27/2006 | 83         | 35.0                      | 48.0               |
| 6/28/2006 | 112        | 60.1                      | 51.9               |
| 6/29/2006 | 126        | 69.6                      | 56.4               |
| 6/30/2006 | 114        | 54.4                      | 59.6               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/1/2006  | 165        | 0.0                       | 165.0              |
| 7/2/2006  | 156        | 0.0                       | 156.0              |
| 7/3/2006  | 160        | 8.8                       | 151.2              |
| 7/4/2006  | 148        | 2.5                       | 145.5              |
| 7/5/2006  | 193        | 45.9                      | 147.1              |
| 7/6/2006  | 189        | 41.2                      | 147.8              |
| 7/7/2006  | 260        | 101.8                     | 158.2              |
| 7/8/2006  | 423        | 233.8                     | 189.2              |
| 7/9/2006  | 340        | 136.5                     | 203.5              |
| 7/10/2006 | 222        | 23.0                      | 199.0              |
| 7/11/2006 | 172        | 0.0                       | 172.0              |
| 7/12/2006 | 169        | 3.3                       | 165.7              |
| 7/13/2006 | 158        | 0.0                       | 158.0              |
| 7/14/2006 | 135        | 0.0                       | 135.0              |
| 7/15/2006 | 116        | 0.0                       | 116.0              |
| 7/16/2006 | 101        | 0.0                       | 101.0              |
| 7/17/2006 | 89         | 0.0                       | 89.0               |
| 7/18/2006 | 82         | 0.0                       | 82.0               |
| 7/19/2006 | 81         | 2.0                       | 79.0               |
| 7/20/2006 | 80         | 3.6                       | 76.4               |
| 7/21/2006 | 80         | 5.7                       | 74.3               |
| 7/22/2006 | 79         | 6.6                       | 72.4               |
| 7/23/2006 | 83         | 11.6                      | 71.4               |
| 7/24/2006 | 86         | 15.1                      | 70.9               |
| 7/25/2006 | 78         | 8.6                       | 69.4               |
| 7/26/2006 | 69         | 2.0                       | 67.0               |
| 7/27/2006 | 63         | 0.0                       | 63.0               |
| 7/28/2006 | 61         | 0.4                       | 60.6               |
| 7/29/2006 | 61         | 2.5                       | 58.5               |
| 7/30/2006 | 60         | 3.3                       | 56.7               |
| 7/31/2006 | 57         | 2.2                       | 54.8               |
| 8/1/2006  | 53         | 0.3                       | 52.7               |
| 8/2/2006  | 51         | 0.4                       | 50.6               |
| 8/3/2006  | 49         | 0.4                       | 48.6               |
| 8/4/2006  | 45         | 0.0                       | 45.0               |
| 8/5/2006  | 46         | 2.4                       | 43.6               |
| 8/6/2006  | 47         | 4.4                       | 42.6               |
| 8/7/2006  | 44         | 2.7                       | 41.3               |
| 8/8/2006  | 41         | 1.2                       | 39.8               |
| 8/9/2006  | 39         | 0.7                       | 38.3               |
| 8/10/2006 | 36         | 0.0                       | 36.0               |
| 8/11/2006 | 34         | 0.0                       | 34.0               |
| 8/12/2006 | 33         | 0.3                       | 32.7               |
| 8/13/2006 | 30         | 0.0                       | 30.0               |
| 8/14/2006 | 26         | 0.0                       | 26.0               |
| 8/15/2006 | 25         | 0.0                       | 25.0               |
| 8/16/2006 | 25         | 0.9                       | 24.1               |
| 8/17/2006 | 24         | 0.7                       | 23.3               |
| 8/18/2006 | 22         | 0.0                       | 22.0               |
| 8/19/2006 | 25         | 3.3                       | 21.7               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/1/2006  | 21         | 8.8                       | 12.2               |
| 7/2/2006  | 22         | 9.6                       | 12.4               |
| 7/3/2006  | 24         | 11.2                      | 12.8               |
| 7/4/2006  | 18         | 5.2                       | 12.8               |
| 7/5/2006  | 17         | 4.1                       | 12.9               |
| 7/6/2006  | 15         | 2.2                       | 12.8               |
| 7/7/2006  | 16         | 3.2                       | 12.8               |
| 7/8/2006  | 21         | 8.0                       | 13.0               |
| 7/9/2006  | 25         | 11.6                      | 13.4               |
| 7/10/2006 | 27         | 13.2                      | 13.8               |
| 7/11/2006 | 25         | 10.9                      | 14.1               |
| 7/12/2006 | 25         | 10.7                      | 14.3               |
| 7/13/2006 | 27         | 12.3                      | 14.7               |
| 7/14/2006 | 24         | 9.1                       | 14.9               |
| 7/15/2006 | 22         | 7.0                       | 15.0               |
| 7/16/2006 | 19         | 4.0                       | 15.0               |
| 7/17/2006 | 16         | 1.1                       | 14.9               |
| 7/18/2006 | 15         | 0.2                       | 14.8               |
| 7/19/2006 | 15         | 0.3                       | 14.7               |
| 7/20/2006 | 15         | 0.5                       | 14.5               |
| 7/21/2006 | 16         | 1.6                       | 14.4               |
| 7/22/2006 | 18         | 3.6                       | 14.4               |
| 7/23/2006 | 21         | 6.4                       | 14.6               |
| 7/24/2006 | 21         | 6.3                       | 14.7               |
| 7/25/2006 | 19         | 4.3                       | 14.7               |
| 7/26/2006 | 18         | 3.3                       | 14.7               |
| 7/27/2006 | 16         | 1.4                       | 14.6               |
| 7/28/2006 | 15         | 0.5                       | 14.5               |
| 7/29/2006 | 14         | 0.0                       | 14.0               |
| 7/30/2006 | 14         | 0.1                       | 13.9               |
| 7/31/2006 | 13         | 0.0                       | 13.0               |
| 8/1/2006  | 12         | 0.0                       | 12.0               |
| 8/2/2006  | 12         | 0.1                       | 11.9               |
| 8/3/2006  | 10         | 0.0                       | 10.0               |
| 8/4/2006  | 10         | 0.1                       | 9.9                |
| 8/5/2006  | 11         | 1.1                       | 9.9                |
| 8/6/2006  | 11         | 1.2                       | 9.8                |
| 8/7/2006  | 12         | 2.2                       | 9.8                |
| 8/8/2006  | 11         | 1.3                       | 9.7                |
| 8/9/2006  | 9.4        | 0.0                       | 9.4                |
| 8/10/2006 | 8.3        | 0.0                       | 8.3                |
| 8/11/2006 | 7.8        | 0.0                       | 7.8                |
| 8/12/2006 | 7.5        | 0.0                       | 7.5                |
| 8/13/2006 | 7.3        | 0.0                       | 7.3                |
| 8/14/2006 | 7.1        | 0.0                       | 7.1                |
| 8/15/2006 | 6.9        | 0.0                       | 6.9                |
| 8/16/2006 | 7.3        | 0.5                       | 6.8                |
| 8/17/2006 | 16         | 8.9                       | 7.1                |
| 8/18/2006 | 9.9        | 2.7                       | 7.2                |
| 8/19/2006 | 11         | 3.7                       | 7.3                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/1/2006  | 99         | 37.5                      | 61.5               |
| 7/2/2006  | 70         | 9.1                       | 60.9               |
| 7/3/2006  | 67         | 6.7                       | 60.3               |
| 7/4/2006  | 62         | 2.7                       | 59.3               |
| 7/5/2006  | 66         | 7.3                       | 58.7               |
| 7/6/2006  | 79         | 19.9                      | 59.1               |
| 7/7/2006  | 80         | 20.4                      | 59.6               |
| 7/8/2006  | 218        | 147.8                     | 70.2               |
| 7/9/2006  | 230        | 149.3                     | 80.7               |
| 7/10/2006 | 174        | 87.9                      | 86.1               |
| 7/11/2006 | 141        | 52.4                      | 88.6               |
| 7/12/2006 | 160        | 67.7                      | 92.3               |
| 7/13/2006 | 153        | 58.0                      | 95.0               |
| 7/14/2006 | 134        | 37.8                      | 96.2               |
| 7/15/2006 | 108        | 12.7                      | 95.3               |
| 7/16/2006 | 89         | 0.0                       | 89.0               |
| 7/17/2006 | 80         | 0.0                       | 80.0               |
| 7/18/2006 | 66         | 0.0                       | 66.0               |
| 7/19/2006 | 66         | 1.2                       | 64.8               |
| 7/20/2006 | 84         | 19.0                      | 65.0               |
| 7/21/2006 | 96         | 29.9                      | 66.1               |
| 7/22/2006 | 82         | 16.0                      | 66.0               |
| 7/23/2006 | 84         | 17.8                      | 66.2               |
| 7/24/2006 | 79         | 13.1                      | 65.9               |
| 7/25/2006 | 98         | 31.0                      | 67.0               |
| 7/26/2006 | 73         | 6.8                       | 66.2               |
| 7/27/2006 | 71         | 5.6                       | 65.4               |
| 7/28/2006 | 87         | 21.2                      | 65.8               |
| 7/29/2006 | 84         | 18.1                      | 65.9               |
| 7/30/2006 | 83         | 17.1                      | 65.9               |
| 7/31/2006 | 76         | 10.5                      | 65.5               |
| 8/1/2006  | 71         | 6.3                       | 64.7               |
| 8/2/2006  | 68         | 4.3                       | 63.7               |
| 8/3/2006  | 66         | 3.3                       | 62.7               |
| 8/4/2006  | 65         | 3.3                       | 61.7               |
| 8/5/2006  | 70         | 8.8                       | 61.2               |
| 8/6/2006  | 67         | 6.5                       | 60.5               |
| 8/7/2006  | 63         | 3.5                       | 59.5               |
| 8/8/2006  | 48         | 0.0                       | 48.0               |
| 8/9/2006  | 44         | 0.0                       | 44.0               |
| 8/10/2006 | 46         | 2.7                       | 43.3               |
| 8/11/2006 | 50         | 7.0                       | 43.0               |
| 8/12/2006 | 49         | 6.3                       | 42.7               |
| 8/13/2006 | 44         | 2.0                       | 42.0               |
| 8/14/2006 | 42         | 0.8                       | 41.2               |
| 8/15/2006 | 41         | 0.6                       | 40.4               |
| 8/16/2006 | 42         | 2.2                       | 39.8               |
| 8/17/2006 | 38         | 0.0                       | 38.0               |
| 8/18/2006 | 62         | 22.9                      | 39.1               |
| 8/19/2006 | 44         | 5.3                       | 38.7               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/20/2006 | 32         | 9.7                       | 22.3               |
| 8/21/2006 | 37         | 13.4                      | 23.6               |
| 8/22/2006 | 37         | 12.4                      | 24.6               |
| 8/23/2006 | 35         | 9.8                       | 25.2               |
| 8/24/2006 | 39         | 12.8                      | 26.2               |
| 8/25/2006 | 54         | 24.8                      | 29.2               |
| 8/26/2006 | 65         | 31.9                      | 33.1               |
| 8/27/2006 | 67         | 30.4                      | 36.6               |
| 8/28/2006 | 94         | 50.7                      | 43.3               |
| 8/29/2006 | 121        | 68.5                      | 52.5               |
| 8/30/2006 | 81         | 26.4                      | 54.6               |
| 8/31/2006 | 61         | 7.4                       | 53.6               |
| 9/1/2006  | 63         | 9.9                       | 53.1               |
| 9/2/2006  | 84         | 28.5                      | 55.5               |
| 9/3/2006  | 117        | 54.9                      | 62.1               |
| 9/4/2006  | 139        | 68.5                      | 70.5               |
| 9/5/2006  | 132        | 55.4                      | 76.6               |
| 9/6/2006  | 119        | 39.2                      | 79.8               |
| 9/7/2006  | 105        | 24.5                      | 80.5               |
| 9/8/2006  | 111        | 29.1                      | 81.9               |
| 9/9/2006  | 119        | 34.8                      | 84.2               |
| 9/10/2006 | 108        | 23.4                      | 84.6               |
| 9/11/2006 | 92         | 9.3                       | 82.7               |
| 9/12/2006 | 80         | 0.5                       | 79.5               |
| 9/13/2006 | 72         | 0.0                       | 72.0               |
| 9/14/2006 | 57         | 0.0                       | 57.0               |
| 9/15/2006 | 52         | 0.0                       | 52.0               |
| 9/16/2006 | 58         | 7.0                       | 51.0               |
| 9/17/2006 | 56         | 6.0                       | 50.0               |
| 9/18/2006 | 51         | 2.6                       | 48.4               |
| 9/19/2006 | 46         | 0.0                       | 46.0               |
| 9/20/2006 | 44         | 0.0                       | 44.0               |
| 9/21/2006 | 41         | 0.0                       | 41.0               |
| 9/22/2006 | 38         | 0.0                       | 38.0               |
| 9/23/2006 | 36         | 0.0                       | 36.0               |
| 9/24/2006 | 37         | 2.1                       | 34.9               |
| 9/25/2006 | 36         | 2.2                       | 33.8               |
| 9/26/2006 | 33         | 0.4                       | 32.6               |
| 9/27/2006 | 30         | 0.0                       | 30.0               |
| 9/28/2006 | 30         | 1.0                       | 29.0               |
| 9/29/2006 | 32         | 3.6                       | 28.4               |
| 9/30/2006 | 33         | 5.0                       | 28.0               |
| 10/1/2006 | 34         | 6.1                       | 27.9               |
| 10/2/2006 | 30         | 2.8                       | 27.2               |
| 10/3/2006 | 25         | 0.0                       | 25.0               |
| 10/4/2006 | 24         | 0.0                       | 24.0               |
| 10/5/2006 | 25         | 1.7                       | 23.3               |
| 10/6/2006 | 23         | 0.5                       | 22.5               |
| 10/7/2006 | 23         | 1.2                       | 21.8               |
| 10/8/2006 | 23         | 1.8                       | 21.2               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/20/2006 | 12         | 4.6                       | 7.4                |
| 8/21/2006 | 8.4        | 1.1                       | 7.3                |
| 8/22/2006 | 7.7        | 0.4                       | 7.3                |
| 8/23/2006 | 7.2        | 0.0                       | 7.2                |
| 8/24/2006 | 9.9        | 2.7                       | 7.2                |
| 8/25/2006 | 17         | 9.5                       | 7.5                |
| 8/26/2006 | 14         | 6.3                       | 7.7                |
| 8/27/2006 | 13         | 5.2                       | 7.8                |
| 8/28/2006 | 14         | 6.0                       | 8.0                |
| 8/29/2006 | 17         | 8.7                       | 8.3                |
| 8/30/2006 | 13         | 4.6                       | 8.4                |
| 8/31/2006 | 32         | 22.8                      | 9.2                |
| 9/1/2006  | 38         | 27.8                      | 10.2               |
| 9/2/2006  | 42         | 30.7                      | 11.3               |
| 9/3/2006  | 90         | 75.7                      | 14.3               |
| 9/4/2006  | 60         | 44.1                      | 15.9               |
| 9/5/2006  | 44         | 27.2                      | 16.8               |
| 9/6/2006  | 42         | 24.4                      | 17.6               |
| 9/7/2006  | 48         | 29.4                      | 18.6               |
| 9/8/2006  | 63         | 42.9                      | 20.1               |
| 9/9/2006  | 56         | 34.7                      | 21.3               |
| 9/10/2006 | 48         | 25.8                      | 22.2               |
| 9/11/2006 | 41         | 18.3                      | 22.7               |
| 9/12/2006 | 36         | 13.0                      | 23.0               |
| 9/13/2006 | 33         | 9.9                       | 23.1               |
| 9/14/2006 | 30         | 6.8                       | 23.2               |
| 9/15/2006 | 31         | 7.8                       | 23.2               |
| 9/16/2006 | 31         | 7.7                       | 23.3               |
| 9/17/2006 | 29         | 5.7                       | 23.3               |
| 9/18/2006 | 27         | 3.8                       | 23.2               |
| 9/19/2006 | 27         | 3.8                       | 23.2               |
| 9/20/2006 | 32         | 8.7                       | 23.3               |
| 9/21/2006 | 31         | 7.7                       | 23.3               |
| 9/22/2006 | 28         | 4.7                       | 23.3               |
| 9/23/2006 | 26         | 2.8                       | 23.2               |
| 9/24/2006 | 24         | 1.0                       | 23.0               |
| 9/25/2006 | 23         | 0.2                       | 22.8               |
| 9/26/2006 | 22         | 0.0                       | 22.0               |
| 9/27/2006 | 32         | 9.8                       | 22.2               |
| 9/28/2006 | 39         | 16.4                      | 22.6               |
| 9/29/2006 | 41         | 17.9                      | 23.1               |
| 9/30/2006 | 37         | 13.6                      | 23.4               |
| 10/1/2006 | 33         | 9.4                       | 23.6               |
| 10/2/2006 | 29         | 5.5                       | 23.5               |
| 10/3/2006 | 26         | 2.6                       | 23.4               |
| 10/4/2006 | 24         | 0.8                       | 23.2               |
| 10/5/2006 | 23         | 0.0                       | 23.0               |
| 10/6/2006 | 22         | 0.0                       | 22.0               |
| 10/7/2006 | 20         | 0.0                       | 20.0               |
| 10/8/2006 | 19         | 0.0                       | 19.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/20/2006 | 45         | 6.5                       | 38.5               |
| 8/21/2006 | 75         | 34.5                      | 40.5               |
| 8/22/2006 | 101        | 56.8                      | 44.2               |
| 8/23/2006 | 89         | 42.3                      | 46.7               |
| 8/24/2006 | 66         | 18.7                      | 47.3               |
| 8/25/2006 | 79         | 30.3                      | 48.7               |
| 8/26/2006 | 143        | 88.2                      | 54.8               |
| 8/27/2006 | 187        | 123.4                     | 63.6               |
| 8/28/2006 | 150        | 81.2                      | 68.8               |
| 8/29/2006 | 133        | 60.7                      | 72.3               |
| 8/30/2006 | 116        | 41.8                      | 74.2               |
| 8/31/2006 | 247        | 161.4                     | 85.6               |
| 9/1/2006  | 306        | 205.6                     | 100.4              |
| 9/2/2006  | 252        | 142.3                     | 109.7              |
| 9/3/2006  | 167        | 55.1                      | 111.9              |
| 9/4/2006  | 223        | 104.9                     | 118.1              |
| 9/5/2006  | 158        | 39.1                      | 118.9              |
| 9/6/2006  | 138        | 19.9                      | 118.1              |
| 9/7/2006  | 146        | 28.0                      | 118.0              |
| 9/8/2006  | 142        | 24.4                      | 117.6              |
| 9/9/2006  | 121        | 5.4                       | 115.6              |
| 9/10/2006 | 99         | 0.0                       | 99.0               |
| 9/11/2006 | 87         | 0.0                       | 87.0               |
| 9/12/2006 | 75         | 0.0                       | 75.0               |
| 9/13/2006 | 70         | 0.0                       | 70.0               |
| 9/14/2006 | 66         | 0.0                       | 66.0               |
| 9/15/2006 | 65         | 0.3                       | 64.7               |
| 9/16/2006 | 62         | 0.0                       | 62.0               |
| 9/17/2006 | 58         | 0.0                       | 58.0               |
| 9/18/2006 | 55         | 0.0                       | 55.0               |
| 9/19/2006 | 55         | 1.0                       | 54.0               |
| 9/20/2006 | 57         | 3.8                       | 53.2               |
| 9/21/2006 | 54         | 1.7                       | 52.3               |
| 9/22/2006 | 51         | 0.0                       | 51.0               |
| 9/23/2006 | 49         | 0.0                       | 49.0               |
| 9/24/2006 | 48         | 0.0                       | 48.0               |
| 9/25/2006 | 46         | 0.0                       | 46.0               |
| 9/26/2006 | 35         | 0.0                       | 35.0               |
| 9/27/2006 | 37         | 2.5                       | 34.5               |
| 9/28/2006 | 45         | 10.4                      | 34.6               |
| 9/29/2006 | 38         | 3.8                       | 34.2               |
| 9/30/2006 | 35         | 1.3                       | 33.7               |
| 10/1/2006 | 33         | 0.0                       | 33.0               |
| 10/2/2006 | 32         | 0.0                       | 32.0               |
| 10/3/2006 | 30         | 0.0                       | 30.0               |
| 10/4/2006 | 30         | 0.6                       | 29.4               |
| 10/5/2006 | 31         | 2.0                       | 29.0               |
| 10/6/2006 | 31         | 2.4                       | 28.6               |
| 10/7/2006 | 31         | 2.7                       | 28.3               |
| 10/8/2006 | 30         | 2.1                       | 27.9               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/9/2006  | 22         | 1.4                       | 20.6               |
| 10/10/2006 | 19         | 0.0                       | 19.0               |
| 10/11/2006 | 17         | 0.0                       | 17.0               |
| 10/12/2006 | 17         | 0.6                       | 16.4               |
| 10/13/2006 | 17         | 1.1                       | 15.9               |
| 10/14/2006 | 20         | 4.1                       | 15.9               |
| 10/15/2006 | 21         | 4.9                       | 16.1               |
| 10/16/2006 | 20         | 3.9                       | 16.1               |
| 10/17/2006 | 18         | 2.2                       | 15.8               |
| 10/18/2006 | 17         | 1.6                       | 15.4               |
| 10/19/2006 | 16         | 1.0                       | 15.0               |
| 10/20/2006 | 16         | 1.4                       | 14.6               |
| 10/21/2006 | 17         | 2.6                       | 14.4               |
| 10/22/2006 | 19         | 4.4                       | 14.6               |
| 10/23/2006 | 20         | 5.2                       | 14.8               |
| 10/24/2006 | 21         | 5.9                       | 15.1               |
| 10/25/2006 | 20         | 4.7                       | 15.3               |
| 10/26/2006 | 19         | 3.7                       | 15.3               |
| 10/27/2006 | 22         | 6.3                       | 15.7               |
| 10/28/2006 | 27         | 10.3                      | 16.7               |
| 10/29/2006 | 28         | 10.3                      | 17.7               |
| 10/30/2006 | 30         | 11.2                      | 18.8               |
| 10/31/2006 | 32         | 12.1                      | 19.9               |
| 11/1/2006  | 42         | 19.7                      | 22.3               |
| 11/2/2006  | 43         | 18.6                      | 24.4               |
| 11/3/2006  | 38         | 12.6                      | 25.4               |
| 11/4/2006  | 36         | 10.0                      | 26.0               |
| 11/5/2006  | 32         | 6.1                       | 25.9               |
| 11/6/2006  | 28         | 2.7                       | 25.3               |
| 11/7/2006  | 26         | 1.5                       | 24.5               |
| 11/8/2006  | 27         | 3.0                       | 24.0               |
| 11/9/2006  | 29         | 5.1                       | 23.9               |
| 11/10/2006 | 30         | 6.1                       | 23.9               |
| 11/11/2006 | 30         | 6.1                       | 23.9               |
| 11/12/2006 | 30         | 6.1                       | 23.9               |
| 11/13/2006 | 28         | 4.3                       | 23.7               |
| 11/14/2006 | 25         | 2.0                       | 23.0               |
| 11/15/2006 | 27         | 4.2                       | 22.8               |
| 11/16/2006 | 29         | 6.1                       | 22.9               |
| 11/17/2006 | 27         | 4.4                       | 22.6               |
| 11/18/2006 | 26         | 3.7                       | 22.3               |
| 11/19/2006 | 26         | 3.9                       | 22.1               |
| 11/20/2006 | 25         | 3.3                       | 21.7               |
| 11/21/2006 | 22         | 1.0                       | 21.0               |
| 11/22/2006 | 20         | 0.0                       | 20.0               |
| 11/23/2006 | 22         | 2.4                       | 19.6               |
| 11/24/2006 | 23         | 3.6                       | 19.4               |
| 11/25/2006 | 25         | 5.5                       | 19.5               |
| 11/26/2006 | 25         | 5.4                       | 19.6               |
| 11/27/2006 | 24         | 4.5                       | 19.5               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/9/2006  | 17         | 0.0                       | 17.0               |
| 10/10/2006 | 16         | 0.0                       | 16.0               |
| 10/11/2006 | 16         | 0.2                       | 15.8               |
| 10/12/2006 | 15         | 0.0                       | 15.0               |
| 10/13/2006 | 14         | 0.0                       | 14.0               |
| 10/14/2006 | 14         | 0.1                       | 13.9               |
| 10/15/2006 | 13         | 0.0                       | 13.0               |
| 10/16/2006 | 12         | 0.0                       | 12.0               |
| 10/17/2006 | 12         | 0.1                       | 11.9               |
| 10/18/2006 | 11         | 0.0                       | 11.0               |
| 10/19/2006 | 11         | 0.1                       | 10.9               |
| 10/20/2006 | 11         | 0.2                       | 10.8               |
| 10/21/2006 | 11         | 0.3                       | 10.7               |
| 10/22/2006 | 9.7        | 0.0                       | 9.7                |
| 10/23/2006 | 9.6        | 0.0                       | 9.6                |
| 10/24/2006 | 9.3        | 0.0                       | 9.3                |
| 10/25/2006 | 9.5        | 0.3                       | 9.2                |
| 10/26/2006 | 18         | 8.5                       | 9.5                |
| 10/27/2006 | 11         | 1.6                       | 9.4                |
| 10/28/2006 | 13         | 3.5                       | 9.5                |
| 10/29/2006 | 12         | 2.5                       | 9.5                |
| 10/30/2006 | 11         | 1.5                       | 9.5                |
| 10/31/2006 | 11         | 1.6                       | 9.4                |
| 11/1/2006  | 21         | 11.2                      | 9.8                |
| 11/2/2006  | 22         | 11.8                      | 10.2               |
| 11/3/2006  | 21         | 10.5                      | 10.5               |
| 11/4/2006  | 21         | 10.2                      | 10.8               |
| 11/5/2006  | 20         | 9.0                       | 11.0               |
| 11/6/2006  | 19         | 7.8                       | 11.2               |
| 11/7/2006  | 19         | 7.6                       | 11.4               |
| 11/8/2006  | 18         | 6.4                       | 11.6               |
| 11/9/2006  | 18         | 6.3                       | 11.7               |
| 11/10/2006 | 18         | 6.2                       | 11.8               |
| 11/11/2006 | 17         | 5.1                       | 11.9               |
| 11/12/2006 | 16         | 4.0                       | 12.0               |
| 11/13/2006 | 16         | 4.0                       | 12.0               |
| 11/14/2006 | 15         | 3.0                       | 12.0               |
| 11/15/2006 | 15         | 3.0                       | 12.0               |
| 11/16/2006 | 15         | 3.0                       | 12.0               |
| 11/17/2006 | 15         | 3.0                       | 12.0               |
| 11/18/2006 | 14         | 2.0                       | 12.0               |
| 11/19/2006 | 14         | 2.1                       | 11.9               |
| 11/20/2006 | 14         | 2.1                       | 11.9               |
| 11/21/2006 | 13         | 1.2                       | 11.8               |
| 11/22/2006 | 13         | 1.3                       | 11.7               |
| 11/23/2006 | 13         | 1.3                       | 11.7               |
| 11/24/2006 | 13         | 1.4                       | 11.6               |
| 11/25/2006 | 13         | 1.4                       | 11.6               |
| 11/26/2006 | 13         | 1.5                       | 11.5               |
| 11/27/2006 | 13         | 1.5                       | 11.5               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/9/2006  | 30         | 2.5                       | 27.5               |
| 10/10/2006 | 30         | 2.8                       | 27.2               |
| 10/11/2006 | 30         | 3.1                       | 26.9               |
| 10/12/2006 | 31         | 4.3                       | 26.7               |
| 10/13/2006 | 33         | 6.3                       | 26.7               |
| 10/14/2006 | 28         | 1.7                       | 26.3               |
| 10/15/2006 | 25         | 0.0                       | 25.0               |
| 10/16/2006 | 26         | 1.4                       | 24.6               |
| 10/17/2006 | 27         | 2.7                       | 24.3               |
| 10/18/2006 | 28         | 3.8                       | 24.2               |
| 10/19/2006 | 29         | 4.9                       | 24.1               |
| 10/20/2006 | 31         | 6.9                       | 24.1               |
| 10/21/2006 | 29         | 5.0                       | 24.0               |
| 10/22/2006 | 24         | 0.4                       | 23.6               |
| 10/23/2006 | 25         | 1.7                       | 23.3               |
| 10/24/2006 | 28         | 4.8                       | 23.2               |
| 10/25/2006 | 26         | 3.0                       | 23.0               |
| 10/26/2006 | 55         | 30.1                      | 24.9               |
| 10/27/2006 | 58         | 31.1                      | 26.9               |
| 10/28/2006 | 34         | 7.1                       | 26.9               |
| 10/29/2006 | 31         | 4.3                       | 26.7               |
| 10/30/2006 | 27         | 0.7                       | 26.3               |
| 10/31/2006 | 30         | 4.0                       | 26.0               |
| 11/1/2006  | 45         | 18.0                      | 27.0               |
| 11/2/2006  | 41         | 13.5                      | 27.5               |
| 11/3/2006  | 35         | 7.4                       | 27.6               |
| 11/4/2006  | 28         | 0.9                       | 27.1               |
| 11/5/2006  | 26         | 0.0                       | 26.0               |
| 11/6/2006  | 27         | 1.4                       | 25.6               |
| 11/7/2006  | 27         | 1.8                       | 25.2               |
| 11/8/2006  | 27         | 2.1                       | 24.9               |
| 11/9/2006  | 26         | 1.5                       | 24.5               |
| 11/10/2006 | 27         | 2.8                       | 24.2               |
| 11/11/2006 | 25         | 1.2                       | 23.8               |
| 11/12/2006 | 24         | 0.6                       | 23.4               |
| 11/13/2006 | 29         | 5.6                       | 23.4               |
| 11/14/2006 | 30         | 6.5                       | 23.5               |
| 11/15/2006 | 33         | 9.3                       | 23.7               |
| 11/16/2006 | 30         | 6.2                       | 23.8               |
| 11/17/2006 | 28         | 4.4                       | 23.6               |
| 11/18/2006 | 26         | 2.6                       | 23.4               |
| 11/19/2006 | 26         | 2.9                       | 23.1               |
| 11/20/2006 | 25         | 2.2                       | 22.8               |
| 11/21/2006 | 25         | 2.4                       | 22.6               |
| 11/22/2006 | 30         | 7.3                       | 22.7               |
| 11/23/2006 | 29         | 6.2                       | 22.8               |
| 11/24/2006 | 28         | 5.3                       | 22.7               |
| 11/25/2006 | 28         | 5.3                       | 22.7               |
| 11/26/2006 | 28         | 5.3                       | 22.7               |
| 11/27/2006 | 28         | 5.4                       | 22.6               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/28/2006 | 27         | 7.1                       | 19.9               |
| 11/29/2006 | 32         | 11.1                      | 20.9               |
| 11/30/2006 | 34         | 12.0                      | 22.0               |
| 12/1/2006  | 35         | 12.0                      | 23.0               |
| 12/2/2006  | 33         | 9.4                       | 23.6               |
| 12/3/2006  | 31         | 7.2                       | 23.8               |
| 12/4/2006  | 28         | 4.4                       | 23.6               |
| 12/5/2006  | 24         | 1.2                       | 22.8               |
| 12/6/2006  | 22         | 0.1                       | 21.9               |
| 12/7/2006  | 21         | 0.0                       | 21.0               |
| 12/8/2006  | 24         | 3.3                       | 20.7               |
| 12/9/2006  | 27         | 6.2                       | 20.8               |
| 12/10/2006 | 28         | 6.9                       | 21.1               |
| 12/11/2006 | 28         | 6.7                       | 21.3               |
| 12/12/2006 | 24         | 3.0                       | 21.0               |
| 12/13/2006 | 24         | 3.3                       | 20.7               |
| 12/14/2006 | 27         | 6.2                       | 20.8               |
| 12/15/2006 | 29         | 7.8                       | 21.2               |
| 12/16/2006 | 30         | 8.3                       | 21.7               |
| 12/17/2006 | 35         | 12.2                      | 22.8               |
| 12/18/2006 | 36         | 12.2                      | 23.8               |
| 12/19/2006 | 35         | 10.5                      | 24.5               |
| 12/20/2006 | 35         | 9.9                       | 25.1               |
| 12/21/2006 | 34         | 8.5                       | 25.5               |
| 12/22/2006 | 30         | 4.8                       | 25.2               |
| 12/23/2006 | 30         | 5.0                       | 25.0               |
| 12/24/2006 | 33         | 7.7                       | 25.3               |
| 12/25/2006 | 38         | 11.9                      | 26.1               |
| 12/26/2006 | 42         | 14.6                      | 27.4               |
| 12/27/2006 | 42         | 13.5                      | 28.5               |
| 12/28/2006 | 44         | 14.3                      | 29.7               |
| 12/29/2006 | 44         | 13.4                      | 30.6               |
| 12/30/2006 | 45         | 13.5                      | 31.5               |
| 12/31/2006 | 45         | 12.7                      | 32.3               |
| 1/1/2007   | 44         | 11.2                      | 32.8               |
| 1/2/2007   | 40         | 7.3                       | 32.7               |
| 1/3/2007   | 40         | 7.4                       | 32.6               |
| 1/4/2007   | 41         | 8.4                       | 32.6               |
| 1/5/2007   | 39         | 6.6                       | 32.4               |
| 1/6/2007   | 39         | 6.8                       | 32.2               |
| 1/7/2007   | 40         | 7.9                       | 32.1               |
| 1/8/2007   | 38         | 6.2                       | 31.8               |
| 1/9/2007   | 33         | 2.1                       | 30.9               |
| 1/10/2007  | 34         | 3.7                       | 30.3               |
| 1/11/2007  | 37         | 6.9                       | 30.1               |
| 1/12/2007  | 38         | 7.8                       | 30.2               |
| 1/13/2007  | 37         | 6.9                       | 30.1               |
| 1/14/2007  | 38         | 7.9                       | 30.1               |
| 1/15/2007  | 38         | 7.8                       | 30.2               |
| 1/16/2007  | 37         | 6.9                       | 30.1               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/28/2006 | 13         | 1.6                       | 11.4               |
| 11/29/2006 | 14         | 2.6                       | 11.4               |
| 11/30/2006 | 14         | 2.6                       | 11.4               |
| 12/1/2006  | 14         | 2.6                       | 11.4               |
| 12/2/2006  | 13         | 1.7                       | 11.3               |
| 12/3/2006  | 13         | 1.7                       | 11.3               |
| 12/4/2006  | 13         | 1.8                       | 11.2               |
| 12/5/2006  | 13         | 1.8                       | 11.2               |
| 12/6/2006  | 13         | 1.8                       | 11.2               |
| 12/7/2006  | 12         | 0.9                       | 11.1               |
| 12/8/2006  | 12         | 1.0                       | 11.0               |
| 12/9/2006  | 12         | 1.1                       | 10.9               |
| 12/10/2006 | 12         | 1.1                       | 10.9               |
| 12/11/2006 | 12         | 1.2                       | 10.8               |
| 12/12/2006 | 12         | 1.2                       | 10.8               |
| 12/13/2006 | 12         | 1.3                       | 10.7               |
| 12/14/2006 | 12         | 1.3                       | 10.7               |
| 12/15/2006 | 12         | 1.4                       | 10.6               |
| 12/16/2006 | 12         | 1.4                       | 10.6               |
| 12/17/2006 | 12         | 1.5                       | 10.5               |
| 12/18/2006 | 12         | 1.5                       | 10.5               |
| 12/19/2006 | 11         | 0.6                       | 10.4               |
| 12/20/2006 | 11         | 0.7                       | 10.3               |
| 12/21/2006 | 11         | 0.8                       | 10.2               |
| 12/22/2006 | 11         | 0.8                       | 10.2               |
| 12/23/2006 | 12         | 1.9                       | 10.1               |
| 12/24/2006 | 12         | 1.9                       | 10.1               |
| 12/25/2006 | 12         | 1.9                       | 10.1               |
| 12/26/2006 | 13         | 2.9                       | 10.1               |
| 12/27/2006 | 12         | 1.9                       | 10.1               |
| 12/28/2006 | 12         | 1.9                       | 10.1               |
| 12/29/2006 | 12         | 2.0                       | 10.0               |
| 12/30/2006 | 12         | 2.0                       | 10.0               |
| 12/31/2006 | 12         | 2.0                       | 10.0               |
| 1/1/2007   | 12         | 2.0                       | 10.0               |
| 1/2/2007   | 12         | 2.0                       | 10.0               |
| 1/3/2007   | 17         | 6.9                       | 10.1               |
| 1/4/2007   | 13         | 2.9                       | 10.1               |
| 1/5/2007   | 12         | 1.9                       | 10.1               |
| 1/6/2007   | 12         | 1.9                       | 10.1               |
| 1/7/2007   | 12         | 1.9                       | 10.1               |
| 1/8/2007   | 12         | 2.0                       | 10.0               |
| 1/9/2007   | 12         | 2.0                       | 10.0               |
| 1/10/2007  | 11         | 1.0                       | 10.0               |
| 1/11/2007  | 11         | 1.1                       | 9.9                |
| 1/12/2007  | 11         | 1.1                       | 9.9                |
| 1/13/2007  | 10         | 0.2                       | 9.8                |
| 1/14/2007  | 10         | 0.3                       | 9.7                |
| 1/15/2007  | 11         | 1.4                       | 9.6                |
| 1/16/2007  | 11         | 1.4                       | 9.6                |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/28/2006 | 29         | 6.3                       | 22.7               |
| 11/29/2006 | 33         | 10.0                      | 23.0               |
| 11/30/2006 | 31         | 7.8                       | 23.2               |
| 12/1/2006  | 29         | 5.8                       | 23.2               |
| 12/2/2006  | 28         | 4.9                       | 23.1               |
| 12/3/2006  | 28         | 4.9                       | 23.1               |
| 12/4/2006  | 29         | 5.9                       | 23.1               |
| 12/5/2006  | 31         | 7.8                       | 23.2               |
| 12/6/2006  | 31         | 7.6                       | 23.4               |
| 12/7/2006  | 28         | 4.7                       | 23.3               |
| 12/8/2006  | 28         | 4.8                       | 23.2               |
| 12/9/2006  | 26         | 3.0                       | 23.0               |
| 12/10/2006 | 26         | 3.2                       | 22.8               |
| 12/11/2006 | 26         | 3.4                       | 22.6               |
| 12/12/2006 | 27         | 4.5                       | 22.5               |
| 12/13/2006 | 29         | 6.4                       | 22.6               |
| 12/14/2006 | 33         | 10.1                      | 22.9               |
| 12/15/2006 | 31         | 7.9                       | 23.1               |
| 12/16/2006 | 30         | 6.8                       | 23.2               |
| 12/17/2006 | 28         | 4.9                       | 23.1               |
| 12/18/2006 | 29         | 5.9                       | 23.1               |
| 12/19/2006 | 32         | 8.7                       | 23.3               |
| 12/20/2006 | 29         | 5.7                       | 23.3               |
| 12/21/2006 | 26         | 2.9                       | 23.1               |
| 12/22/2006 | 26         | 3.1                       | 22.9               |
| 12/23/2006 | 29         | 6.1                       | 22.9               |
| 12/24/2006 | 31         | 7.9                       | 23.1               |
| 12/25/2006 | 32         | 8.7                       | 23.3               |
| 12/26/2006 | 38         | 14.0                      | 24.0               |
| 12/27/2006 | 34         | 9.7                       | 24.3               |
| 12/28/2006 | 31         | 6.7                       | 24.3               |
| 12/29/2006 | 64         | 37.2                      | 26.8               |
| 12/30/2006 | 31         | 4.4                       | 26.6               |
| 12/31/2006 | 28         | 1.8                       | 26.2               |
| 1/1/2007   | 28         | 2.1                       | 25.9               |
| 1/2/2007   | 28         | 2.4                       | 25.6               |
| 1/3/2007   | 29         | 3.7                       | 25.3               |
| 1/4/2007   | 32         | 6.6                       | 25.4               |
| 1/5/2007   | 30         | 4.8                       | 25.2               |
| 1/6/2007   | 29         | 4.0                       | 25.0               |
| 1/7/2007   | 28         | 3.2                       | 24.8               |
| 1/8/2007   | 28         | 3.4                       | 24.6               |
| 1/9/2007   | 27         | 2.7                       | 24.3               |
| 1/10/2007  | 25         | 1.1                       | 23.9               |
| 1/11/2007  | 24         | 0.5                       | 23.5               |
| 1/12/2007  | 24         | 0.9                       | 23.1               |
| 1/13/2007  | 24         | 1.3                       | 22.7               |
| 1/14/2007  | 25         | 2.5                       | 22.5               |
| 1/15/2007  | 25         | 2.8                       | 22.2               |
| 1/16/2007  | 26         | 3.9                       | 22.1               |



## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/17/2007 | 35         | 5.3                       | 29.7               |
| 1/18/2007 | 33         | 3.8                       | 29.2               |
| 1/19/2007 | 35         | 6.0                       | 29.0               |
| 1/20/2007 | 35         | 6.2                       | 28.8               |
| 1/21/2007 | 37         | 8.1                       | 28.9               |
| 1/22/2007 | 34         | 5.4                       | 28.6               |
| 1/23/2007 | 28         | 0.4                       | 27.6               |
| 1/24/2007 | 26         | 0.0                       | 26.0               |
| 1/25/2007 | 28         | 2.6                       | 25.4               |
| 1/26/2007 | 31         | 5.7                       | 25.3               |
| 1/27/2007 | 37         | 11.0                      | 26.0               |
| 1/28/2007 | 39         | 12.1                      | 26.9               |
| 1/29/2007 | 35         | 7.9                       | 27.1               |
| 1/30/2007 | 33         | 6.0                       | 27.0               |
| 1/31/2007 | 34         | 7.0                       | 27.0               |
| 2/1/2007  | 36         | 8.7                       | 27.3               |
| 2/2/2007  | 37         | 9.3                       | 27.7               |
| 2/3/2007  | 35         | 7.2                       | 27.8               |
| 2/4/2007  | 35         | 7.2                       | 27.8               |
| 2/5/2007  | 36         | 8.0                       | 28.0               |
| 2/6/2007  | 36         | 7.9                       | 28.1               |
| 2/7/2007  | 40         | 11.2                      | 28.8               |
| 2/8/2007  | 41         | 11.5                      | 29.5               |
| 2/9/2007  | 40         | 10.1                      | 29.9               |
| 2/10/2007 | 38         | 8.0                       | 30.0               |
| 2/11/2007 | 37         | 7.1                       | 29.9               |
| 2/12/2007 | 40         | 9.7                       | 30.3               |
| 2/13/2007 | 41         | 10.3                      | 30.7               |
| 2/14/2007 | 44         | 12.5                      | 31.5               |
| 2/15/2007 | 47         | 14.5                      | 32.5               |
| 2/16/2007 | 42         | 9.3                       | 32.7               |
| 2/17/2007 | 40         | 7.4                       | 32.6               |
| 2/18/2007 | 38         | 5.8                       | 32.2               |
| 2/19/2007 | 35         | 3.5                       | 31.5               |
| 2/20/2007 | 32         | 1.5                       | 30.5               |
| 2/21/2007 | 30         | 0.6                       | 29.4               |
| 2/22/2007 | 27         | 0.0                       | 27.0               |
| 2/23/2007 | 25         | 0.0                       | 25.0               |
| 2/24/2007 | 26         | 1.7                       | 24.3               |
| 2/25/2007 | 27         | 3.2                       | 23.8               |
| 2/26/2007 | 26         | 2.7                       | 23.3               |
| 2/27/2007 | 24         | 1.4                       | 22.6               |
| 2/28/2007 | 24         | 2.0                       | 22.0               |
| 3/1/2007  | 25         | 3.3                       | 21.7               |
| 3/2/2007  | 25         | 3.6                       | 21.4               |
| 3/3/2007  | 26         | 4.7                       | 21.3               |
| 3/4/2007  | 27         | 5.7                       | 21.3               |
| 3/5/2007  | 25         | 3.9                       | 21.1               |
| 3/6/2007  | 22         | 1.5                       | 20.5               |
| 3/7/2007  | 23         | 2.9                       | 20.1               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/17/2007 | 11         | 1.4                       | 9.6                |
| 1/18/2007 | 11         | 1.5                       | 9.5                |
| 1/19/2007 | 11         | 1.5                       | 9.5                |
| 1/20/2007 | 11         | 1.5                       | 9.5                |
| 1/21/2007 | 10         | 0.6                       | 9.4                |
| 1/22/2007 | 9.6        | 0.3                       | 9.3                |
| 1/23/2007 | 9.2        | 0.0                       | 9.2                |
| 1/24/2007 | 9.1        | 0.0                       | 9.1                |
| 1/25/2007 | 11         | 1.9                       | 9.1                |
| 1/26/2007 | 11         | 1.9                       | 9.1                |
| 1/27/2007 | 10         | 1.0                       | 9.0                |
| 1/28/2007 | 11         | 2.0                       | 9.0                |
| 1/29/2007 | 11         | 2.0                       | 9.0                |
| 1/30/2007 | 11         | 2.0                       | 9.0                |
| 1/31/2007 | 11         | 2.0                       | 9.0                |
| 2/1/2007  | 11         | 2.0                       | 9.0                |
| 2/2/2007  | 12         | 3.0                       | 9.0                |
| 2/3/2007  | 13         | 3.9                       | 9.1                |
| 2/4/2007  | 13         | 3.9                       | 9.1                |
| 2/5/2007  | 14         | 4.8                       | 9.2                |
| 2/6/2007  | 15         | 5.6                       | 9.4                |
| 2/7/2007  | 15         | 5.5                       | 9.5                |
| 2/8/2007  | 16         | 6.3                       | 9.7                |
| 2/9/2007  | 13         | 3.3                       | 9.7                |
| 2/10/2007 | 13         | 3.3                       | 9.7                |
| 2/11/2007 | 13         | 3.2                       | 9.8                |
| 2/12/2007 | 13         | 3.2                       | 9.8                |
| 2/13/2007 | 13         | 3.2                       | 9.8                |
| 2/14/2007 | 15         | 5.1                       | 9.9                |
| 2/15/2007 | 14         | 4.0                       | 10.0               |
| 2/16/2007 | 13         | 3.0                       | 10.0               |
| 2/17/2007 | 17         | 6.8                       | 10.2               |
| 2/18/2007 | 16         | 5.7                       | 10.3               |
| 2/19/2007 | 14         | 3.7                       | 10.3               |
| 2/20/2007 | 14         | 3.6                       | 10.4               |
| 2/21/2007 | 13         | 2.6                       | 10.4               |
| 2/22/2007 | 13         | 2.6                       | 10.4               |
| 2/23/2007 | 13         | 2.6                       | 10.4               |
| 2/24/2007 | 12         | 1.7                       | 10.3               |
| 2/25/2007 | 12         | 1.7                       | 10.3               |
| 2/26/2007 | 12         | 1.7                       | 10.3               |
| 2/27/2007 | 12         | 1.8                       | 10.2               |
| 2/28/2007 | 12         | 1.8                       | 10.2               |
| 3/1/2007  | 12         | 1.8                       | 10.2               |
| 3/2/2007  | 13         | 2.8                       | 10.2               |
| 3/3/2007  | 14         | 3.8                       | 10.2               |
| 3/4/2007  | 11         | 0.8                       | 10.2               |
| 3/5/2007  | 11         | 0.9                       | 10.1               |
| 3/6/2007  | 10         | 0.0                       | 10.0               |
| 3/7/2007  | 10         | 0.1                       | 9.9                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/17/2007 | 25         | 3.1                       | 21.9               |
| 1/18/2007 | 25         | 3.3                       | 21.7               |
| 1/19/2007 | 26         | 4.4                       | 21.6               |
| 1/20/2007 | 28         | 6.3                       | 21.7               |
| 1/21/2007 | 28         | 6.2                       | 21.8               |
| 1/22/2007 | 29         | 7.1                       | 21.9               |
| 1/23/2007 | 26         | 4.2                       | 21.8               |
| 1/24/2007 | 26         | 4.3                       | 21.7               |
| 1/25/2007 | 29         | 7.1                       | 21.9               |
| 1/26/2007 | 34         | 11.7                      | 22.3               |
| 1/27/2007 | 28         | 5.6                       | 22.4               |
| 1/28/2007 | 24         | 1.9                       | 22.1               |
| 1/29/2007 | 24         | 2.2                       | 21.8               |
| 1/30/2007 | 30         | 8.0                       | 22.0               |
| 1/31/2007 | 33         | 10.6                      | 22.4               |
| 2/1/2007  | 24         | 1.9                       | 22.1               |
| 2/2/2007  | 24         | 2.2                       | 21.8               |
| 2/3/2007  | 24         | 2.4                       | 21.6               |
| 2/4/2007  | 24         | 2.6                       | 21.4               |
| 2/5/2007  | 24         | 2.8                       | 21.2               |
| 2/6/2007  | 24         | 3.0                       | 21.0               |
| 2/7/2007  | 24         | 3.2                       | 20.8               |
| 2/8/2007  | 23         | 2.4                       | 20.6               |
| 2/9/2007  | 22         | 1.7                       | 20.3               |
| 2/10/2007 | 22         | 1.9                       | 20.1               |
| 2/11/2007 | 22         | 2.2                       | 19.8               |
| 2/12/2007 | 25         | 5.1                       | 19.9               |
| 2/13/2007 | 33         | 12.5                      | 20.5               |
| 2/14/2007 | 42         | 20.3                      | 21.7               |
| 2/15/2007 | 40         | 17.4                      | 22.6               |
| 2/16/2007 | 43         | 19.3                      | 23.7               |
| 2/17/2007 | 43         | 18.3                      | 24.7               |
| 2/18/2007 | 44         | 18.3                      | 25.7               |
| 2/19/2007 | 42         | 15.6                      | 26.4               |
| 2/20/2007 | 42         | 14.9                      | 27.1               |
| 2/21/2007 | 33         | 6.0                       | 27.0               |
| 2/22/2007 | 33         | 6.0                       | 27.0               |
| 2/23/2007 | 32         | 5.2                       | 26.8               |
| 2/24/2007 | 32         | 5.3                       | 26.7               |
| 2/25/2007 | 31         | 4.5                       | 26.5               |
| 2/26/2007 | 30         | 3.7                       | 26.3               |
| 2/27/2007 | 30         | 3.9                       | 26.1               |
| 2/28/2007 | 29         | 3.2                       | 25.8               |
| 3/1/2007  | 29         | 3.4                       | 25.6               |
| 3/2/2007  | 28         | 2.7                       | 25.3               |
| 3/3/2007  | 28         | 3.0                       | 25.0               |
| 3/4/2007  | 28         | 3.2                       | 24.8               |
| 3/5/2007  | 27         | 2.5                       | 24.5               |
| 3/6/2007  | 29         | 4.6                       | 24.4               |
| 3/7/2007  | 27         | 2.9                       | 24.1               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/8/2007  | 24         | 4.0                       | 20.0               |
| 3/9/2007  | 22         | 2.4                       | 19.6               |
| 3/10/2007 | 20         | 1.0                       | 19.0               |
| 3/11/2007 | 20         | 1.6                       | 18.4               |
| 3/12/2007 | 21         | 2.8                       | 18.2               |
| 3/13/2007 | 23         | 4.8                       | 18.2               |
| 3/14/2007 | 23         | 4.8                       | 18.2               |
| 3/15/2007 | 23         | 4.7                       | 18.3               |
| 3/16/2007 | 21         | 3.0                       | 18.0               |
| 3/17/2007 | 21         | 3.2                       | 17.8               |
| 3/18/2007 | 23         | 5.1                       | 17.9               |
| 3/19/2007 | 24         | 5.9                       | 18.1               |
| 3/20/2007 | 27         | 8.3                       | 18.7               |
| 3/21/2007 | 29         | 9.5                       | 19.5               |
| 3/22/2007 | 29         | 8.9                       | 20.1               |
| 3/23/2007 | 27         | 6.6                       | 20.4               |
| 3/24/2007 | 27         | 6.4                       | 20.6               |
| 3/25/2007 | 27         | 6.2                       | 20.8               |
| 3/26/2007 | 27         | 6.1                       | 20.9               |
| 3/27/2007 | 25         | 4.2                       | 20.8               |
| 3/28/2007 | 24         | 3.5                       | 20.5               |
| 3/29/2007 | 23         | 2.9                       | 20.1               |
| 3/30/2007 | 22         | 2.3                       | 19.7               |
| 3/31/2007 | 22         | 2.7                       | 19.3               |
| 4/1/2007  | 23         | 3.8                       | 19.2               |
| 4/2/2007  | 22         | 3.1                       | 18.9               |
| 4/3/2007  | 21         | 2.5                       | 18.5               |
| 4/4/2007  | 20         | 1.9                       | 18.1               |
| 4/5/2007  | 20         | 2.3                       | 17.7               |
| 4/6/2007  | 20         | 2.6                       | 17.4               |
| 4/7/2007  | 21         | 3.7                       | 17.3               |
| 4/8/2007  | 22         | 4.6                       | 17.4               |
| 4/9/2007  | 21         | 3.7                       | 17.3               |
| 4/10/2007 | 22         | 4.7                       | 17.3               |
| 4/11/2007 | 23         | 5.5                       | 17.5               |
| 4/12/2007 | 24         | 6.2                       | 17.8               |
| 4/13/2007 | 24         | 6.0                       | 18.0               |
| 4/14/2007 | 26         | 7.5                       | 18.5               |
| 4/15/2007 | 26         | 7.1                       | 18.9               |
| 4/16/2007 | 27         | 7.6                       | 19.4               |
| 4/17/2007 | 27         | 7.2                       | 19.8               |
| 4/18/2007 | 26         | 6.1                       | 19.9               |
| 4/19/2007 | 24         | 4.2                       | 19.8               |
| 4/20/2007 | 23         | 3.4                       | 19.6               |
| 4/21/2007 | 23         | 3.6                       | 19.4               |
| 4/22/2007 | 24         | 4.7                       | 19.3               |
| 4/23/2007 | 22         | 3.0                       | 19.0               |
| 4/24/2007 | 21         | 2.3                       | 18.7               |
| 4/25/2007 | 20         | 1.8                       | 18.2               |
| 4/26/2007 | 20         | 2.2                       | 17.8               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/8/2007  | 9.9        | 0.1                       | 9.8                |
| 3/9/2007  | 9.6        | 0.0                       | 9.6                |
| 3/10/2007 | 9.5        | 0.0                       | 9.5                |
| 3/11/2007 | 9.2        | 0.0                       | 9.2                |
| 3/12/2007 | 9.1        | 0.0                       | 9.1                |
| 3/13/2007 | 9          | 0.0                       | 9.0                |
| 3/14/2007 | 9          | 0.1                       | 8.9                |
| 3/15/2007 | 9.1        | 0.3                       | 8.8                |
| 3/16/2007 | 9.7        | 0.9                       | 8.8                |
| 3/17/2007 | 9.9        | 1.2                       | 8.7                |
| 3/18/2007 | 9.4        | 0.7                       | 8.7                |
| 3/19/2007 | 9.4        | 0.8                       | 8.6                |
| 3/20/2007 | 11         | 2.4                       | 8.6                |
| 3/21/2007 | 11         | 2.4                       | 8.6                |
| 3/22/2007 | 11         | 2.3                       | 8.7                |
| 3/23/2007 | 11         | 2.3                       | 8.7                |
| 3/24/2007 | 11         | 2.3                       | 8.7                |
| 3/25/2007 | 10         | 1.4                       | 8.6                |
| 3/26/2007 | 10         | 1.4                       | 8.6                |
| 3/27/2007 | 9.8        | 1.2                       | 8.6                |
| 3/28/2007 | 9.4        | 0.9                       | 8.5                |
| 3/29/2007 | 9          | 0.5                       | 8.5                |
| 3/30/2007 | 9.2        | 0.8                       | 8.4                |
| 3/31/2007 | 9.6        | 1.2                       | 8.4                |
| 4/1/2007  | 9          | 0.7                       | 8.3                |
| 4/2/2007  | 8.7        | 0.5                       | 8.2                |
| 4/3/2007  | 8.7        | 0.5                       | 8.2                |
| 4/4/2007  | 14         | 5.7                       | 8.3                |
| 4/5/2007  | 8.9        | 0.6                       | 8.3                |
| 4/6/2007  | 10         | 1.7                       | 8.3                |
| 4/7/2007  | 9          | 0.8                       | 8.2                |
| 4/8/2007  | 8.6        | 0.5                       | 8.1                |
| 4/9/2007  | 8.6        | 0.5                       | 8.1                |
| 4/10/2007 | 9          | 1.0                       | 8.0                |
| 4/11/2007 | 9.7        | 1.7                       | 8.0                |
| 4/12/2007 | 9.4        | 1.4                       | 8.0                |
| 4/13/2007 | 9.6        | 1.6                       | 8.0                |
| 4/14/2007 | 9.5        | 1.5                       | 8.0                |
| 4/15/2007 | 10         | 2.0                       | 8.0                |
| 4/16/2007 | 11         | 3.0                       | 8.0                |
| 4/17/2007 | 9.4        | 1.4                       | 8.0                |
| 4/18/2007 | 9          | 1.1                       | 7.9                |
| 4/19/2007 | 8.9        | 1.0                       | 7.9                |
| 4/20/2007 | 8.8        | 0.9                       | 7.9                |
| 4/21/2007 | 9.4        | 1.6                       | 7.8                |
| 4/22/2007 | 8.7        | 0.9                       | 7.8                |
| 4/23/2007 | 8          | 0.3                       | 7.7                |
| 4/24/2007 | 7.7        | 0.0                       | 7.7                |
| 4/25/2007 | 7.6        | 0.0                       | 7.6                |
| 4/26/2007 | 7.5        | 0.0                       | 7.5                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/8/2007  | 27         | 3.1                       | 23.9               |
| 3/9/2007  | 30         | 6.1                       | 23.9               |
| 3/10/2007 | 30         | 6.1                       | 23.9               |
| 3/11/2007 | 28         | 4.2                       | 23.8               |
| 3/12/2007 | 33         | 9.0                       | 24.0               |
| 3/13/2007 | 27         | 3.2                       | 23.8               |
| 3/14/2007 | 30         | 6.2                       | 23.8               |
| 3/15/2007 | 27         | 3.4                       | 23.6               |
| 3/16/2007 | 30         | 6.4                       | 23.6               |
| 3/17/2007 | 29         | 5.4                       | 23.6               |
| 3/18/2007 | 27         | 3.6                       | 23.4               |
| 3/19/2007 | 30         | 6.5                       | 23.5               |
| 3/20/2007 | 40         | 15.7                      | 24.3               |
| 3/21/2007 | 39         | 14.1                      | 24.9               |
| 3/22/2007 | 32         | 7.0                       | 25.0               |
| 3/23/2007 | 28         | 3.3                       | 24.7               |
| 3/24/2007 | 25         | 0.7                       | 24.3               |
| 3/25/2007 | 24         | 0.2                       | 23.8               |
| 3/26/2007 | 25         | 1.5                       | 23.5               |
| 3/27/2007 | 23         | 0.0                       | 23.0               |
| 3/28/2007 | 25         | 2.3                       | 22.7               |
| 3/29/2007 | 25         | 2.5                       | 22.5               |
| 3/30/2007 | 25         | 2.8                       | 22.2               |
| 3/31/2007 | 24         | 2.0                       | 22.0               |
| 4/1/2007  | 22         | 0.4                       | 21.6               |
| 4/2/2007  | 26         | 4.5                       | 21.5               |
| 4/3/2007  | 23         | 1.8                       | 21.2               |
| 4/4/2007  | 25         | 3.9                       | 21.1               |
| 4/5/2007  | 24         | 3.1                       | 20.9               |
| 4/6/2007  | 26         | 5.1                       | 20.9               |
| 4/7/2007  | 24         | 3.3                       | 20.7               |
| 4/8/2007  | 24         | 3.4                       | 20.6               |
| 4/9/2007  | 24         | 3.5                       | 20.5               |
| 4/10/2007 | 25         | 4.6                       | 20.4               |
| 4/11/2007 | 26         | 5.5                       | 20.5               |
| 4/12/2007 | 27         | 6.4                       | 20.6               |
| 4/13/2007 | 26         | 5.4                       | 20.6               |
| 4/14/2007 | 24         | 3.5                       | 20.5               |
| 4/15/2007 | 25         | 4.6                       | 20.4               |
| 4/16/2007 | 25         | 4.6                       | 20.4               |
| 4/17/2007 | 23         | 2.8                       | 20.2               |
| 4/18/2007 | 24         | 3.9                       | 20.1               |
| 4/19/2007 | 25         | 4.9                       | 20.1               |
| 4/20/2007 | 22         | 2.1                       | 19.9               |
| 4/21/2007 | 25         | 5.1                       | 19.9               |
| 4/22/2007 | 25         | 5.1                       | 19.9               |
| 4/23/2007 | 27         | 7.0                       | 20.0               |
| 4/24/2007 | 24         | 4.0                       | 20.0               |
| 4/25/2007 | 24         | 4.1                       | 19.9               |
| 4/26/2007 | 21         | 1.4                       | 19.6               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/27/2007 | 20         | 2.5                       | 17.5               |
| 4/28/2007 | 19         | 1.9                       | 17.1               |
| 4/29/2007 | 19         | 2.2                       | 16.8               |
| 4/30/2007 | 20         | 3.4                       | 16.6               |
| 5/1/2007  | 19         | 2.6                       | 16.4               |
| 5/2/2007  | 18         | 1.9                       | 16.1               |
| 5/3/2007  | 17         | 1.4                       | 15.6               |
| 5/4/2007  | 18         | 2.6                       | 15.4               |
| 5/5/2007  | 18         | 2.8                       | 15.2               |
| 5/6/2007  | 20         | 4.6                       | 15.4               |
| 5/7/2007  | 25         | 8.8                       | 16.2               |
| 5/8/2007  | 22         | 5.6                       | 16.4               |
| 5/9/2007  | 18         | 1.9                       | 16.1               |
| 5/10/2007 | 17         | 1.4                       | 15.6               |
| 5/11/2007 | 20         | 4.3                       | 15.7               |
| 5/12/2007 | 20         | 4.2                       | 15.8               |
| 5/13/2007 | 18         | 2.5                       | 15.5               |
| 5/14/2007 | 20         | 4.4                       | 15.6               |
| 5/15/2007 | 21         | 5.2                       | 15.8               |
| 5/16/2007 | 19         | 3.3                       | 15.7               |
| 5/17/2007 | 19         | 3.4                       | 15.6               |
| 5/18/2007 | 25         | 8.6                       | 16.4               |
| 5/19/2007 | 54         | 33.0                      | 21.0               |
| 5/20/2007 | 59         | 33.5                      | 25.5               |
| 5/21/2007 | 45         | 17.7                      | 27.3               |
| 5/22/2007 | 37         | 9.3                       | 27.7               |
| 5/23/2007 | 32         | 4.6                       | 27.4               |
| 5/24/2007 | 29         | 2.4                       | 26.6               |
| 5/25/2007 | 27         | 1.2                       | 25.8               |
| 5/26/2007 | 26         | 1.1                       | 24.9               |
| 5/27/2007 | 24         | 0.1                       | 23.9               |
| 5/28/2007 | 23         | 0.0                       | 23.0               |
| 5/29/2007 | 21         | 0.0                       | 21.0               |
| 5/30/2007 | 20         | 0.0                       | 20.0               |
| 5/31/2007 | 20         | 0.7                       | 19.3               |
| 6/1/2007  | 47         | 24.5                      | 22.5               |
| 6/2/2007  | 198        | 152.1                     | 45.9               |
| 6/3/2007  | 225        | 156.0                     | 69.0               |
| 6/4/2007  | 144        | 67.0                      | 77.0               |
| 6/5/2007  | 96         | 19.0                      | 77.0               |
| 6/6/2007  | 61         | 0.0                       | 61.0               |
| 6/7/2007  | 64         | 4.7                       | 59.3               |
| 6/8/2007  | 67         | 8.7                       | 58.3               |
| 6/9/2007  | 61         | 4.3                       | 56.7               |
| 6/10/2007 | 52         | 0.0                       | 52.0               |
| 6/11/2007 | 46         | 0.0                       | 46.0               |
| 6/12/2007 | 43         | 0.0                       | 43.0               |
| 6/13/2007 | 43         | 1.5                       | 41.5               |
| 6/14/2007 | 41         | 1.0                       | 40.0               |
| 6/15/2007 | 38         | 0.0                       | 38.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/27/2007 | 7.2        | 0.0                       | 7.2                |
| 4/28/2007 | 7          | 0.0                       | 7.0                |
| 4/29/2007 | 6.7        | 0.0                       | 6.7                |
| 4/30/2007 | 6.5        | 0.0                       | 6.5                |
| 5/1/2007  | 6.5        | 0.1                       | 6.4                |
| 5/2/2007  | 6.3        | 0.0                       | 6.3                |
| 5/3/2007  | 6.3        | 0.1                       | 6.2                |
| 5/4/2007  | 6.3        | 0.1                       | 6.2                |
| 5/5/2007  | 6.1        | 0.0                       | 6.1                |
| 5/6/2007  | 6.2        | 0.2                       | 6.0                |
| 5/7/2007  | 6.7        | 0.7                       | 6.0                |
| 5/8/2007  | 6.4        | 0.4                       | 6.0                |
| 5/9/2007  | 6.6        | 0.7                       | 5.9                |
| 5/10/2007 | 7          | 1.1                       | 5.9                |
| 5/11/2007 | 7          | 1.1                       | 5.9                |
| 5/12/2007 | 6.8        | 0.9                       | 5.9                |
| 5/13/2007 | 6.8        | 0.9                       | 5.9                |
| 5/14/2007 | 7.8        | 1.9                       | 5.9                |
| 5/15/2007 | 7.1        | 1.2                       | 5.9                |
| 5/16/2007 | 6.5        | 0.7                       | 5.8                |
| 5/17/2007 | 6.6        | 0.8                       | 5.8                |
| 5/18/2007 | 7.2        | 1.4                       | 5.8                |
| 5/19/2007 | 14         | 7.9                       | 6.1                |
| 5/20/2007 | 9.4        | 3.3                       | 6.1                |
| 5/21/2007 | 9.4        | 3.2                       | 6.2                |
| 5/22/2007 | 9.2        | 2.9                       | 6.3                |
| 5/23/2007 | 8.5        | 2.2                       | 6.3                |
| 5/24/2007 | 7.9        | 1.6                       | 6.3                |
| 5/25/2007 | 7.4        | 1.1                       | 6.3                |
| 5/26/2007 | 6.9        | 0.7                       | 6.2                |
| 5/27/2007 | 6.6        | 0.4                       | 6.2                |
| 5/28/2007 | 6.3        | 0.2                       | 6.1                |
| 5/29/2007 | 6.1        | 0.0                       | 6.1                |
| 5/30/2007 | 5.8        | 0.0                       | 5.8                |
| 5/31/2007 | 5.6        | 0.0                       | 5.6                |
| 6/1/2007  | 5.8        | 0.2                       | 5.6                |
| 6/2/2007  | 39         | 32.2                      | 6.8                |
| 6/3/2007  | 41         | 33.0                      | 8.0                |
| 6/4/2007  | 35         | 26.0                      | 9.0                |
| 6/5/2007  | 30         | 20.3                      | 9.7                |
| 6/6/2007  | 26         | 15.7                      | 10.3               |
| 6/7/2007  | 26         | 15.2                      | 10.8               |
| 6/8/2007  | 23         | 11.9                      | 11.1               |
| 6/9/2007  | 22         | 10.6                      | 11.4               |
| 6/10/2007 | 21         | 9.3                       | 11.7               |
| 6/11/2007 | 19         | 7.1                       | 11.9               |
| 6/12/2007 | 18         | 6.0                       | 12.0               |
| 6/13/2007 | 19         | 6.9                       | 12.1               |
| 6/14/2007 | 17         | 4.8                       | 12.2               |
| 6/15/2007 | 16         | 3.8                       | 12.2               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/27/2007 | 23         | 3.5                       | 19.5               |
| 4/28/2007 | 21         | 1.8                       | 19.2               |
| 4/29/2007 | 20         | 1.1                       | 18.9               |
| 4/30/2007 | 21         | 2.3                       | 18.7               |
| 5/1/2007  | 19         | 0.6                       | 18.4               |
| 5/2/2007  | 20         | 1.8                       | 18.2               |
| 5/3/2007  | 21         | 2.9                       | 18.1               |
| 5/4/2007  | 22         | 4.0                       | 18.0               |
| 5/5/2007  | 20         | 2.2                       | 17.8               |
| 5/6/2007  | 20         | 2.3                       | 17.7               |
| 5/7/2007  | 31         | 12.7                      | 18.3               |
| 5/8/2007  | 26         | 7.4                       | 18.6               |
| 5/9/2007  | 21         | 2.6                       | 18.4               |
| 5/10/2007 | 20         | 1.8                       | 18.2               |
| 5/11/2007 | 20         | 2.0                       | 18.0               |
| 5/12/2007 | 16         | 0.0                       | 16.0               |
| 5/13/2007 | 18         | 2.1                       | 15.9               |
| 5/14/2007 | 23         | 6.9                       | 16.1               |
| 5/15/2007 | 20         | 3.9                       | 16.1               |
| 5/16/2007 | 20         | 3.9                       | 16.1               |
| 5/17/2007 | 18         | 2.1                       | 15.9               |
| 5/18/2007 | 20         | 4.1                       | 15.9               |
| 5/19/2007 | 22         | 5.9                       | 16.1               |
| 5/20/2007 | 21         | 4.9                       | 16.1               |
| 5/21/2007 | 18         | 2.0                       | 16.0               |
| 5/22/2007 | 18         | 2.2                       | 15.8               |
| 5/23/2007 | 16         | 0.4                       | 15.6               |
| 5/24/2007 | 16         | 0.7                       | 15.3               |
| 5/25/2007 | 18         | 2.8                       | 15.2               |
| 5/26/2007 | 18         | 2.9                       | 15.1               |
| 5/27/2007 | 16         | 1.1                       | 14.9               |
| 5/28/2007 | 15         | 0.3                       | 14.7               |
| 5/29/2007 | 16         | 1.5                       | 14.5               |
| 5/30/2007 | 15         | 0.7                       | 14.3               |
| 5/31/2007 | 16         | 1.9                       | 14.1               |
| 6/1/2007  | 20         | 5.7                       | 14.3               |
| 6/2/2007  | 166        | 140.7                     | 25.3               |
| 6/3/2007  | 158        | 123.4                     | 34.6               |
| 6/4/2007  | 67         | 30.6                      | 36.4               |
| 6/5/2007  | 47         | 10.5                      | 36.5               |
| 6/6/2007  | 38         | 2.1                       | 35.9               |
| 6/7/2007  | 56         | 19.2                      | 36.8               |
| 6/8/2007  | 51         | 13.9                      | 37.1               |
| 6/9/2007  | 48         | 10.8                      | 37.2               |
| 6/10/2007 | 44         | 6.9                       | 37.1               |
| 6/11/2007 | 40         | 3.4                       | 36.6               |
| 6/12/2007 | 39         | 2.9                       | 36.1               |
| 6/13/2007 | 36         | 0.6                       | 35.4               |
| 6/14/2007 | 50         | 14.2                      | 35.8               |
| 6/15/2007 | 50         | 13.8                      | 36.2               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/16/2007 | 35         | 0.0                       | 35.0               |
| 6/17/2007 | 34         | 0.3                       | 33.7               |
| 6/18/2007 | 31         | 0.0                       | 31.0               |
| 6/19/2007 | 28         | 0.0                       | 28.0               |
| 6/20/2007 | 27         | 0.1                       | 26.9               |
| 6/21/2007 | 26         | 0.2                       | 25.8               |
| 6/22/2007 | 26         | 1.0                       | 25.0               |
| 6/23/2007 | 27         | 2.6                       | 24.4               |
| 6/24/2007 | 26         | 2.2                       | 23.8               |
| 6/25/2007 | 24         | 1.0                       | 23.0               |
| 6/26/2007 | 24         | 1.7                       | 22.3               |
| 6/27/2007 | 24         | 2.2                       | 21.8               |
| 6/28/2007 | 25         | 3.5                       | 21.5               |
| 6/29/2007 | 36         | 13.3                      | 22.7               |
| 6/30/2007 | 53         | 26.9                      | 26.1               |
| 7/1/2007  | 55         | 25.8                      | 29.2               |
| 7/2/2007  | 48         | 17.2                      | 30.8               |
| 7/3/2007  | 42         | 10.7                      | 31.3               |
| 7/4/2007  | 59         | 25.0                      | 34.0               |
| 7/5/2007  | 97         | 55.5                      | 41.5               |
| 7/6/2007  | 118        | 67.3                      | 50.7               |
| 7/7/2007  | 144        | 82.2                      | 61.8               |
| 7/8/2007  | 150        | 78.2                      | 71.8               |
| 7/9/2007  | 100        | 26.8                      | 73.2               |
| 7/10/2007 | 110        | 34.2                      | 75.8               |
| 7/11/2007 | 220        | 126.9                     | 93.1               |
| 7/12/2007 | 130        | 35.1                      | 94.9               |
| 7/13/2007 | 140        | 42.1                      | 97.9               |
| 7/14/2007 | 175        | 69.9                      | 105.1              |
| 7/15/2007 | 185        | 72.5                      | 112.5              |
| 7/16/2007 | 195        | 75.0                      | 120.0              |
| 7/17/2007 | 165        | 42.9                      | 122.1              |
| 7/18/2007 | 135        | 15.3                      | 119.7              |
| 7/19/2007 | 70         | 0.0                       | 70.0               |
| 7/20/2007 | 55         | 0.0                       | 55.0               |
| 7/21/2007 | 45         | 0.0                       | 45.0               |
| 7/22/2007 | 50         | 5.9                       | 44.1               |
| 7/23/2007 | 85         | 36.7                      | 48.3               |
| 7/24/2007 | 260        | 184.2                     | 75.8               |
| 7/25/2007 | 390        | 273.5                     | 116.5              |
| 7/26/2007 | 372        | 224.3                     | 147.7              |
| 7/27/2007 | 361        | 188.9                     | 172.1              |
| 7/28/2007 | 389        | 192.9                     | 196.1              |
| 7/29/2007 | 318        | 111.9                     | 206.1              |
| 7/30/2007 | 267        | 59.6                      | 207.4              |
| 7/31/2007 | 224        | 21.5                      | 202.5              |
| 8/1/2007  | 233        | 33.2                      | 199.8              |
| 8/2/2007  | 276        | 72.6                      | 203.4              |
| 8/3/2007  | 241        | 39.4                      | 201.6              |
| 8/4/2007  | 197        | 3.0                       | 194.0              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/16/2007 | 15         | 2.8                       | 12.2               |
| 6/17/2007 | 15         | 2.8                       | 12.2               |
| 6/18/2007 | 14         | 1.8                       | 12.2               |
| 6/19/2007 | 13         | 0.9                       | 12.1               |
| 6/20/2007 | 13         | 1.0                       | 12.0               |
| 6/21/2007 | 21         | 8.8                       | 12.2               |
| 6/22/2007 | 39         | 25.9                      | 13.1               |
| 6/23/2007 | 30         | 16.3                      | 13.7               |
| 6/24/2007 | 25         | 11.0                      | 14.0               |
| 6/25/2007 | 22         | 7.9                       | 14.1               |
| 6/26/2007 | 19         | 4.8                       | 14.2               |
| 6/27/2007 | 18         | 3.8                       | 14.2               |
| 6/28/2007 | 17         | 2.8                       | 14.2               |
| 6/29/2007 | 19         | 4.8                       | 14.2               |
| 6/30/2007 | 19         | 4.7                       | 14.3               |
| 7/1/2007  | 18         | 3.7                       | 14.3               |
| 7/2/2007  | 17         | 2.8                       | 14.2               |
| 7/3/2007  | 16         | 1.8                       | 14.2               |
| 7/4/2007  | 18         | 3.8                       | 14.2               |
| 7/5/2007  | 26         | 11.5                      | 14.5               |
| 7/6/2007  | 38         | 22.7                      | 15.3               |
| 7/7/2007  | 52         | 35.5                      | 16.5               |
| 7/8/2007  | 49         | 31.4                      | 17.6               |
| 7/9/2007  | 42         | 23.6                      | 18.4               |
| 7/10/2007 | 40         | 21.0                      | 19.0               |
| 7/11/2007 | 39         | 19.4                      | 19.6               |
| 7/12/2007 | 32         | 12.1                      | 19.9               |
| 7/13/2007 | 28         | 8.0                       | 20.0               |
| 7/14/2007 | 27         | 6.9                       | 20.1               |
| 7/15/2007 | 27         | 6.8                       | 20.2               |
| 7/16/2007 | 25         | 4.8                       | 20.2               |
| 7/17/2007 | 23         | 2.9                       | 20.1               |
| 7/18/2007 | 22         | 2.0                       | 20.0               |
| 7/19/2007 | 21         | 1.2                       | 19.8               |
| 7/20/2007 | 20         | 0.4                       | 19.6               |
| 7/21/2007 | 23         | 3.4                       | 19.6               |
| 7/22/2007 | 26         | 6.4                       | 19.6               |
| 7/23/2007 | 28         | 8.2                       | 19.8               |
| 7/24/2007 | 31         | 11.0                      | 20.0               |
| 7/25/2007 | 31         | 10.8                      | 20.2               |
| 7/26/2007 | 32         | 11.5                      | 20.5               |
| 7/27/2007 | 54         | 32.4                      | 21.6               |
| 7/28/2007 | 75         | 51.6                      | 23.4               |
| 7/29/2007 | 53         | 28.7                      | 24.3               |
| 7/30/2007 | 47         | 22.0                      | 25.0               |
| 7/31/2007 | 42         | 16.6                      | 25.4               |
| 8/1/2007  | 41         | 15.2                      | 25.8               |
| 8/2/2007  | 40         | 13.9                      | 26.1               |
| 8/3/2007  | 39         | 12.7                      | 26.3               |
| 8/4/2007  | 37         | 10.5                      | 26.5               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/16/2007 | 46         | 9.7                       | 36.3               |
| 6/17/2007 | 42         | 6.0                       | 36.0               |
| 6/18/2007 | 39         | 3.4                       | 35.6               |
| 6/19/2007 | 32         | 0.0                       | 32.0               |
| 6/20/2007 | 29         | 0.0                       | 29.0               |
| 6/21/2007 | 34         | 5.2                       | 28.8               |
| 6/22/2007 | 37         | 8.1                       | 28.9               |
| 6/23/2007 | 28         | 0.0                       | 28.0               |
| 6/24/2007 | 27         | 0.0                       | 27.0               |
| 6/25/2007 | 27         | 0.5                       | 26.5               |
| 6/26/2007 | 27         | 1.0                       | 26.0               |
| 6/27/2007 | 28         | 2.3                       | 25.7               |
| 6/28/2007 | 28         | 2.6                       | 25.4               |
| 6/29/2007 | 41         | 14.9                      | 26.1               |
| 6/30/2007 | 63         | 34.7                      | 28.3               |
| 7/1/2007  | 65         | 34.5                      | 30.5               |
| 7/2/2007  | 63         | 30.6                      | 32.4               |
| 7/3/2007  | 99         | 62.3                      | 36.7               |
| 7/4/2007  | 129        | 86.1                      | 42.9               |
| 7/5/2007  | 450        | 377.8                     | 72.2               |
| 7/6/2007  | 423        | 326.1                     | 96.9               |
| 7/7/2007  | 352        | 238.0                     | 114.0              |
| 7/8/2007  | 245        | 123.4                     | 121.6              |
| 7/9/2007  | 162        | 39.7                      | 122.3              |
| 7/10/2007 | 120        | 0.1                       | 119.9              |
| 7/11/2007 | 97         | 0.0                       | 97.0               |
| 7/12/2007 | 70         | 0.0                       | 70.0               |
| 7/13/2007 | 90         | 19.8                      | 70.2               |
| 7/14/2007 | 80         | 10.4                      | 69.6               |
| 7/15/2007 | 85         | 15.5                      | 69.5               |
| 7/16/2007 | 80         | 11.0                      | 69.0               |
| 7/17/2007 | 75         | 6.9                       | 68.1               |
| 7/18/2007 | 70         | 3.0                       | 67.0               |
| 7/19/2007 | 70         | 4.0                       | 66.0               |
| 7/20/2007 | 65         | 0.3                       | 64.7               |
| 7/21/2007 | 85         | 20.0                      | 65.0               |
| 7/22/2007 | 110        | 42.9                      | 67.1               |
| 7/23/2007 | 90         | 22.4                      | 67.6               |
| 7/24/2007 | 200        | 123.9                     | 76.1               |
| 7/25/2007 | 170        | 88.3                      | 81.7               |
| 7/26/2007 | 155        | 69.4                      | 85.6               |
| 7/27/2007 | 126        | 39.0                      | 87.0               |
| 7/28/2007 | 268        | 169.2                     | 98.8               |
| 7/29/2007 | 232        | 125.2                     | 106.8              |
| 7/30/2007 | 182        | 71.6                      | 110.4              |
| 7/31/2007 | 163        | 50.7                      | 112.3              |
| 8/1/2007  | 188        | 72.2                      | 115.8              |
| 8/2/2007  | 175        | 57.0                      | 118.0              |
| 8/3/2007  | 193        | 71.6                      | 121.4              |
| 8/4/2007  | 172        | 49.1                      | 122.9              |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/5/2007  | 167        | 0.0                       | 167.0              |
| 8/6/2007  | 145        | 0.0                       | 145.0              |
| 8/7/2007  | 128        | 0.0                       | 128.0              |
| 8/8/2007  | 111        | 0.0                       | 111.0              |
| 8/9/2007  | 102        | 0.0                       | 102.0              |
| 8/10/2007 | 97         | 0.0                       | 97.0               |
| 8/11/2007 | 91         | 0.0                       | 91.0               |
| 8/12/2007 | 86         | 0.0                       | 86.0               |
| 8/13/2007 | 78         | 0.0                       | 78.0               |
| 8/14/2007 | 70         | 0.0                       | 70.0               |
| 8/15/2007 | 60         | 0.0                       | 60.0               |
| 8/16/2007 | 51         | 0.0                       | 51.0               |
| 8/17/2007 | 47         | 0.0                       | 47.0               |
| 8/18/2007 | 46         | 0.8                       | 45.2               |
| 8/19/2007 | 46         | 2.2                       | 43.8               |
| 8/20/2007 | 42         | 0.0                       | 42.0               |
| 8/21/2007 | 37         | 0.0                       | 37.0               |
| 8/22/2007 | 29         | 0.0                       | 29.0               |
| 8/23/2007 | 22         | 0.0                       | 22.0               |
| 8/24/2007 | 23         | 1.6                       | 21.4               |
| 8/25/2007 | 25         | 3.9                       | 21.1               |
| 8/26/2007 | 29         | 7.5                       | 21.5               |
| 8/27/2007 | 32         | 9.8                       | 22.2               |
| 8/28/2007 | 30         | 7.5                       | 22.5               |
| 8/29/2007 | 25         | 2.9                       | 22.1               |
| 8/30/2007 | 23         | 1.6                       | 21.4               |
| 8/31/2007 | 32         | 9.8                       | 22.2               |
| 9/1/2007  | 52         | 26.5                      | 25.5               |
| 9/2/2007  | 65         | 34.9                      | 30.1               |
| 9/3/2007  | 43         | 12.2                      | 30.8               |
| 9/4/2007  | 28         | 0.0                       | 28.0               |
| 9/5/2007  | 30         | 2.7                       | 27.3               |
| 9/6/2007  | 35         | 7.6                       | 27.4               |
| 9/7/2007  | 37         | 9.2                       | 27.8               |
| 9/8/2007  | 41         | 12.3                      | 28.7               |
| 9/9/2007  | 49         | 18.5                      | 30.5               |
| 9/10/2007 | 55         | 22.2                      | 32.8               |
| 9/11/2007 | 60         | 24.6                      | 35.4               |
| 9/12/2007 | 68         | 29.3                      | 38.7               |
| 9/13/2007 | 80         | 36.9                      | 43.1               |
| 9/14/2007 | 92         | 43.7                      | 48.3               |
| 9/15/2007 | 97         | 43.6                      | 53.4               |
| 9/16/2007 | 100        | 42.0                      | 58.0               |
| 9/17/2007 | 109        | 46.0                      | 63.0               |
| 9/18/2007 | 127        | 57.3                      | 69.7               |
| 9/19/2007 | 155        | 76.0                      | 79.0               |
| 9/20/2007 | 171        | 82.0                      | 89.0               |
| 9/21/2007 | 148        | 53.9                      | 94.1               |
| 9/22/2007 | 146        | 48.0                      | 98.0               |
| 9/23/2007 | 177        | 71.5                      | 105.5              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/5/2007  | 34         | 7.5                       | 26.5               |
| 8/6/2007  | 31         | 4.6                       | 26.4               |
| 8/7/2007  | 29         | 2.7                       | 26.3               |
| 8/8/2007  | 27         | 1.0                       | 26.0               |
| 8/9/2007  | 26         | 0.2                       | 25.8               |
| 8/10/2007 | 25         | 0.0                       | 25.0               |
| 8/11/2007 | 24         | 0.0                       | 24.0               |
| 8/12/2007 | 23         | 0.0                       | 23.0               |
| 8/13/2007 | 24         | 1.2                       | 22.8               |
| 8/14/2007 | 25         | 2.3                       | 22.7               |
| 8/15/2007 | 26         | 3.4                       | 22.6               |
| 8/16/2007 | 25         | 2.5                       | 22.5               |
| 8/17/2007 | 24         | 1.7                       | 22.3               |
| 8/18/2007 | 23         | 0.9                       | 22.1               |
| 8/19/2007 | 22         | 0.1                       | 21.9               |
| 8/20/2007 | 20         | 0.0                       | 20.0               |
| 8/21/2007 | 19         | 0.0                       | 19.0               |
| 8/22/2007 | 19         | 0.2                       | 18.8               |
| 8/23/2007 | 19         | 0.4                       | 18.6               |
| 8/24/2007 | 20         | 1.5                       | 18.5               |
| 8/25/2007 | 18         | 0.0                       | 18.0               |
| 8/26/2007 | 18         | 0.2                       | 17.8               |
| 8/27/2007 | 20         | 2.3                       | 17.7               |
| 8/28/2007 | 19         | 1.4                       | 17.6               |
| 8/29/2007 | 19         | 1.5                       | 17.5               |
| 8/30/2007 | 19         | 1.6                       | 17.4               |
| 8/31/2007 | 22         | 4.6                       | 17.4               |
| 9/1/2007  | 29         | 11.3                      | 17.7               |
| 9/2/2007  | 26         | 8.2                       | 17.8               |
| 9/3/2007  | 29         | 10.9                      | 18.1               |
| 9/4/2007  | 33         | 14.5                      | 18.5               |
| 9/5/2007  | 31         | 12.2                      | 18.8               |
| 9/6/2007  | 28         | 9.0                       | 19.0               |
| 9/7/2007  | 25         | 6.0                       | 19.0               |
| 9/8/2007  | 26         | 6.9                       | 19.1               |
| 9/9/2007  | 25         | 5.9                       | 19.1               |
| 9/10/2007 | 24         | 4.9                       | 19.1               |
| 9/11/2007 | 30         | 10.6                      | 19.4               |
| 9/12/2007 | 38         | 18.1                      | 19.9               |
| 9/13/2007 | 38         | 17.6                      | 20.4               |
| 9/14/2007 | 34         | 13.3                      | 20.7               |
| 9/15/2007 | 33         | 12.0                      | 21.0               |
| 9/16/2007 | 33         | 11.7                      | 21.3               |
| 9/17/2007 | 36         | 14.4                      | 21.6               |
| 9/18/2007 | 44         | 12.1                      | 21.9               |
| 9/19/2007 | 38         | 25.3                      | 22.7               |
| 9/20/2007 | 71         | 46.7                      | 24.3               |
| 9/21/2007 | 74         | 48.0                      | 26.0               |
| 9/22/2007 | 99         | 70.4                      | 28.6               |
| 9/23/2007 | 81         | 50.7                      | 30.3               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/5/2007  | 129        | 7.9                       | 121.1              |
| 8/6/2007  | 101        | 0.0                       | 101.0              |
| 8/7/2007  | 96         | 0.0                       | 96.0               |
| 8/8/2007  | 81         | 0.0                       | 81.0               |
| 8/9/2007  | 72         | 0.0                       | 72.0               |
| 8/10/2007 | 70         | 0.0                       | 70.0               |
| 8/11/2007 | 69         | 0.4                       | 68.6               |
| 8/12/2007 | 61         | 0.0                       | 61.0               |
| 8/13/2007 | 62         | 2.1                       | 59.9               |
| 8/14/2007 | 58         | 0.0                       | 58.0               |
| 8/15/2007 | 57         | 0.1                       | 56.9               |
| 8/16/2007 | 50         | 0.0                       | 50.0               |
| 8/17/2007 | 50         | 0.9                       | 49.1               |
| 8/18/2007 | 41         | 0.0                       | 41.0               |
| 8/19/2007 | 28         | 0.0                       | 28.0               |
| 8/20/2007 | 26         | 0.0                       | 26.0               |
| 8/21/2007 | 28         | 2.3                       | 25.7               |
| 8/22/2007 | 29         | 3.6                       | 25.4               |
| 8/23/2007 | 25         | 0.1                       | 24.9               |
| 8/24/2007 | 33         | 7.9                       | 25.1               |
| 8/25/2007 | 24         | 0.0                       | 24.0               |
| 8/26/2007 | 21         | 0.0                       | 21.0               |
| 8/27/2007 | 24         | 3.2                       | 20.8               |
| 8/28/2007 | 27         | 6.1                       | 20.9               |
| 8/29/2007 | 28         | 7.0                       | 21.0               |
| 8/30/2007 | 21         | 0.4                       | 20.7               |
| 8/31/2007 | 30         | 9.0                       | 21.0               |
| 9/1/2007  | 110        | 82.8                      | 27.2               |
| 9/2/2007  | 221        | 180.0                     | 41.0               |
| 9/3/2007  | 144        | 96.1                      | 47.9               |
| 9/4/2007  | 120        | 67.7                      | 52.3               |
| 9/5/2007  | 104        | 48.8                      | 55.2               |
| 9/6/2007  | 91         | 34.2                      | 56.8               |
| 9/7/2007  | 75         | 17.9                      | 57.1               |
| 9/8/2007  | 68         | 11.1                      | 56.9               |
| 9/9/2007  | 62         | 5.8                       | 56.2               |
| 9/10/2007 | 72         | 15.7                      | 56.3               |
| 9/11/2007 | 87         | 29.4                      | 57.6               |
| 9/12/2007 | 75         | 17.2                      | 57.8               |
| 9/13/2007 | 141        | 78.1                      | 62.9               |
| 9/14/2007 | 105        | 40.2                      | 64.8               |
| 9/15/2007 | 89         | 23.6                      | 65.4               |
| 9/16/2007 | 75         | 10.1                      | 64.9               |
| 9/17/2007 | 69         | 5.0                       | 64.0               |
| 9/18/2007 | 171        | 100.2                     | 70.8               |
| 9/19/2007 | 267        | 183.0                     | 84.0               |
| 9/20/2007 | 148        | 60.8                      | 87.2               |
| 9/21/2007 | 76         | 0.0                       | 76.0               |
| 9/22/2007 | 111        | 33.8                      | 77.2               |
| 9/23/2007 | 62         | 0.0                       | 62.0               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/24/2007  | 305        | 175.6                     | 129.4              |
| 9/25/2007  | 400        | 237.8                     | 162.2              |
| 9/26/2007  | 431        | 237.3                     | 193.7              |
| 9/27/2007  | 568        | 329.3                     | 238.7              |
| 9/28/2007  | 464        | 202.5                     | 261.5              |
| 9/29/2007  | 204        | 0.0                       | 204.0              |
| 9/30/2007  | 200        | 3.6                       | 196.4              |
| 10/1/2007  | 600        | 354.7                     | 245.3              |
| 10/2/2007  | 1500       | 1090.1                    | 409.9              |
| 10/3/2007  | 900        | 436.6                     | 463.4              |
| 10/4/2007  | 700        | 220.0                     | 480.0              |
| 10/5/2007  | 550        | 76.9                      | 473.1              |
| 10/6/2007  | 460        | 5.0                       | 455.0              |
| 10/7/2007  | 380        | 0.0                       | 380.0              |
| 10/8/2007  | 330        | 0.0                       | 330.0              |
| 10/9/2007  | 280        | 0.0                       | 280.0              |
| 10/10/2007 | 260        | 0.0                       | 260.0              |
| 10/11/2007 | 220        | 0.0                       | 220.0              |
| 10/12/2007 | 260        | 42.1                      | 217.9              |
| 10/13/2007 | 180        | 0.0                       | 180.0              |
| 10/14/2007 | 140        | 0.0                       | 140.0              |
| 10/15/2007 | 125        | 0.0                       | 125.0              |
| 10/16/2007 | 100        | 0.0                       | 100.0              |
| 10/17/2007 | 80         | 0.0                       | 80.0               |
| 10/18/2007 | 64         | 0.0                       | 64.0               |
| 10/19/2007 | 94         | 28.1                      | 65.9               |
| 10/20/2007 | 125        | 53.2                      | 71.8               |
| 10/21/2007 | 136        | 57.8                      | 78.2               |
| 10/22/2007 | 129        | 46.5                      | 82.5               |
| 10/23/2007 | 116        | 31.7                      | 84.3               |
| 10/24/2007 | 125        | 38.0                      | 87.0               |
| 10/25/2007 | 194        | 95.3                      | 98.7               |
| 10/26/2007 | 221        | 108.8                     | 112.2              |
| 10/27/2007 | 205        | 83.9                      | 121.1              |
| 10/28/2007 | 171        | 47.2                      | 123.8              |
| 10/29/2007 | 140        | 18.2                      | 121.8              |
| 10/30/2007 | 136        | 16.4                      | 119.6              |
| 10/31/2007 | 136        | 18.3                      | 117.7              |
| 11/1/2007  | 109        | 0.0                       | 109.0              |
| 11/2/2007  | 107        | 2.0                       | 105.0              |
| 11/3/2007  | 95         | 0.0                       | 95.0               |
| 11/4/2007  | 79         | 0.0                       | 79.0               |
| 11/5/2007  | 73         | 0.0                       | 73.0               |
| 11/6/2007  | 64         | 0.0                       | 64.0               |
| 11/7/2007  | 55         | 0.0                       | 55.0               |
| 11/8/2007  | 56         | 2.8                       | 53.2               |
| 11/9/2007  | 54         | 2.5                       | 51.5               |
| 11/10/2007 | 50         | 0.5                       | 49.5               |
| 11/11/2007 | 47         | 0.0                       | 47.0               |
| 11/12/2007 | 46         | 0.8                       | 45.2               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/24/2007  | 71         | 39.4                      | 31.6               |
| 9/25/2007  | 66         | 33.4                      | 32.6               |
| 9/26/2007  | 69         | 35.3                      | 33.7               |
| 9/27/2007  | 90         | 54.5                      | 35.5               |
| 9/28/2007  | 84         | 46.9                      | 37.1               |
| 9/29/2007  | 56         | 18.6                      | 37.4               |
| 9/30/2007  | 47         | 9.6                       | 37.4               |
| 10/1/2007  | 43         | 5.7                       | 37.3               |
| 10/2/2007  | 290        | 243.4                     | 46.6               |
| 10/3/2007  | 375        | 316.2                     | 58.8               |
| 10/4/2007  | 296        | 228.6                     | 67.4               |
| 10/5/2007  | 240        | 166.6                     | 73.4               |
| 10/6/2007  | 226        | 147.5                     | 78.5               |
| 10/7/2007  | 203        | 120.4                     | 82.6               |
| 10/8/2007  | 172        | 86.8                      | 85.2               |
| 10/9/2007  | 146        | 59.3                      | 86.7               |
| 10/10/2007 | 126        | 38.6                      | 87.4               |
| 10/11/2007 | 108        | 20.6                      | 87.4               |
| 10/12/2007 | 140        | 51.5                      | 88.5               |
| 10/13/2007 | 119        | 30.1                      | 88.9               |
| 10/14/2007 | 92         | 3.9                       | 88.1               |
| 10/15/2007 | 72         | 0.0                       | 72.0               |
| 10/16/2007 | 59         | 0.0                       | 59.0               |
| 10/17/2007 | 56         | 0.0                       | 56.0               |
| 10/18/2007 | 55         | 0.0                       | 55.0               |
| 10/19/2007 | 63         | 8.2                       | 54.8               |
| 10/20/2007 | 82         | 26.7                      | 55.3               |
| 10/21/2007 | 83         | 27.2                      | 55.8               |
| 10/22/2007 | 72         | 16.1                      | 55.9               |
| 10/23/2007 | 63         | 7.3                       | 55.7               |
| 10/24/2007 | 55         | 0.0                       | 55.0               |
| 10/25/2007 | 51         | 0.0                       | 51.0               |
| 10/26/2007 | 48         | 0.0                       | 48.0               |
| 10/27/2007 | 48         | 0.5                       | 47.5               |
| 10/28/2007 | 45         | 0.0                       | 45.0               |
| 10/29/2007 | 42         | 0.0                       | 42.0               |
| 10/30/2007 | 48         | 6.2                       | 41.8               |
| 10/31/2007 | 53         | 11.1                      | 41.9               |
| 11/1/2007  | 53         | 11.1                      | 41.9               |
| 11/2/2007  | 66         | 23.6                      | 42.4               |
| 11/3/2007  | 63         | 20.2                      | 42.8               |
| 11/4/2007  | 54         | 11.2                      | 42.8               |
| 11/5/2007  | 49         | 6.4                       | 42.6               |
| 11/6/2007  | 44         | 1.7                       | 42.3               |
| 11/7/2007  | 41         | 0.0                       | 41.0               |
| 11/8/2007  | 39         | 0.0                       | 39.0               |
| 11/9/2007  | 37         | 0.0                       | 37.0               |
| 11/10/2007 | 36         | 0.0                       | 36.0               |
| 11/11/2007 | 34         | 0.0                       | 34.0               |
| 11/12/2007 | 34         | 0.3                       | 33.7               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/24/2007  | 93         | 29.9                      | 63.1               |
| 9/25/2007  | 94         | 29.7                      | 64.3               |
| 9/26/2007  | 107        | 40.8                      | 66.2               |
| 9/27/2007  | 232        | 154.7                     | 77.3               |
| 9/28/2007  | 107        | 28.9                      | 78.1               |
| 9/29/2007  | 43         | 0.0                       | 43.0               |
| 9/30/2007  | 22         | 0.0                       | 22.0               |
| 10/1/2007  | 19         | 0.0                       | 19.0               |
| 10/2/2007  | 633        | 568.9                     | 64.1               |
| 10/3/2007  | 787        | 670.5                     | 116.5              |
| 10/4/2007  | 503        | 360.0                     | 143.0              |
| 10/5/2007  | 301        | 149.0                     | 152.0              |
| 10/6/2007  | 302        | 141.7                     | 160.3              |
| 10/7/2007  | 291        | 124.0                     | 167.0              |
| 10/8/2007  | 332        | 155.8                     | 176.2              |
| 10/9/2007  | 270        | 90.2                      | 179.8              |
| 10/10/2007 | 198        | 20.1                      | 177.9              |
| 10/11/2007 | 164        | 0.0                       | 164.0              |
| 10/12/2007 | 166        | 4.9                       | 161.1              |
| 10/13/2007 | 132        | 0.0                       | 132.0              |
| 10/14/2007 | 104        | 0.0                       | 104.0              |
| 10/15/2007 | 90         | 0.0                       | 90.0               |
| 10/16/2007 | 76         | 0.0                       | 76.0               |
| 10/17/2007 | 71         | 0.0                       | 71.0               |
| 10/18/2007 | 74         | 4.1                       | 69.9               |
| 10/19/2007 | 153        | 78.2                      | 74.8               |
| 10/20/2007 | 242        | 156.2                     | 85.8               |
| 10/21/2007 | 198        | 105.5                     | 92.5               |
| 10/22/2007 | 158        | 62.4                      | 95.6               |
| 10/23/2007 | 150        | 52.1                      | 97.9               |
| 10/24/2007 | 136        | 37.1                      | 98.9               |
| 10/25/2007 | 121        | 22.3                      | 98.7               |
| 10/26/2007 | 107        | 9.5                       | 97.5               |
| 10/27/2007 | 108        | 11.5                      | 96.5               |
| 10/28/2007 | 102        | 6.9                       | 95.1               |
| 10/29/2007 | 95         | 1.7                       | 93.3               |
| 10/30/2007 | 107        | 14.4                      | 92.6               |
| 10/31/2007 | 122        | 28.9                      | 93.1               |
| 11/1/2007  | 130        | 35.9                      | 94.1               |
| 11/2/2007  | 218        | 116.5                     | 101.5              |
| 11/3/2007  | 152        | 48.6                      | 103.4              |
| 11/4/2007  | 106        | 4.3                       | 101.7              |
| 11/5/2007  | 92         | 0.0                       | 92.0               |
| 11/6/2007  | 87         | 0.0                       | 87.0               |
| 11/7/2007  | 84         | 0.0                       | 84.0               |
| 11/8/2007  | 78         | 0.0                       | 78.0               |
| 11/9/2007  | 76         | 0.0                       | 76.0               |
| 11/10/2007 | 74         | 0.0                       | 74.0               |
| 11/11/2007 | 72         | 0.0                       | 72.0               |
| 11/12/2007 | 68         | 0.0                       | 68.0               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/13/2007 | 42         | 0.0                       | 42.0               |
| 11/14/2007 | 48         | 6.6                       | 41.4               |
| 11/15/2007 | 46         | 5.4                       | 40.6               |
| 11/16/2007 | 42         | 2.6                       | 39.4               |
| 11/17/2007 | 40         | 1.9                       | 38.1               |
| 11/18/2007 | 35         | 0.0                       | 35.0               |
| 11/19/2007 | 33         | 0.0                       | 33.0               |
| 11/20/2007 | 33         | 1.1                       | 31.9               |
| 11/21/2007 | 31         | 0.4                       | 30.6               |
| 11/22/2007 | 30         | 0.5                       | 29.5               |
| 11/23/2007 | 26         | 0.0                       | 26.0               |
| 11/24/2007 | 23         | 0.0                       | 23.0               |
| 11/25/2007 | 25         | 2.5                       | 22.5               |
| 11/26/2007 | 25         | 2.9                       | 22.1               |
| 11/27/2007 | 25         | 3.3                       | 21.7               |
| 11/28/2007 | 26         | 4.5                       | 21.5               |
| 11/29/2007 | 29         | 7.2                       | 21.8               |
| 11/30/2007 | 26         | 4.3                       | 21.7               |
| 12/1/2007  | 24         | 2.8                       | 21.2               |
| 12/2/2007  | 26         | 4.8                       | 21.2               |
| 12/3/2007  | 26         | 4.9                       | 21.1               |
| 12/4/2007  | 24         | 3.2                       | 20.8               |
| 12/5/2007  | 23         | 2.6                       | 20.4               |
| 12/6/2007  | 25         | 4.7                       | 20.3               |
| 12/7/2007  | 27         | 6.5                       | 20.5               |
| 12/8/2007  | 26         | 5.4                       | 20.6               |
| 12/9/2007  | 28         | 7.1                       | 20.9               |
| 12/10/2007 | 28         | 6.9                       | 21.1               |
| 12/11/2007 | 29         | 7.5                       | 21.5               |
| 12/12/2007 | 35         | 12.4                      | 22.6               |
| 12/13/2007 | 39         | 14.9                      | 24.1               |
| 12/14/2007 | 41         | 15.4                      | 25.6               |
| 12/15/2007 | 44         | 16.7                      | 27.3               |
| 12/16/2007 | 45         | 16.2                      | 28.8               |
| 12/17/2007 | 44         | 14.1                      | 29.9               |
| 12/18/2007 | 45         | 14.1                      | 30.9               |
| 12/19/2007 | 45         | 13.2                      | 31.8               |
| 12/20/2007 | 43         | 10.7                      | 32.3               |
| 12/21/2007 | 39         | 6.9                       | 32.1               |
| 12/22/2007 | 36         | 4.5                       | 31.5               |
| 12/23/2007 | 36         | 5.0                       | 31.0               |
| 12/24/2007 | 34         | 3.6                       | 30.4               |
| 12/25/2007 | 34         | 4.2                       | 29.8               |
| 12/26/2007 | 35         | 5.5                       | 29.5               |
| 12/27/2007 | 35         | 5.7                       | 29.3               |
| 12/28/2007 | 35         | 6.0                       | 29.0               |
| 12/29/2007 | 34         | 5.3                       | 28.7               |
| 12/30/2007 | 33         | 4.7                       | 28.3               |
| 12/31/2007 | 32         | 4.1                       | 27.9               |
| 1/1/2008   | 30         | 2.8                       | 27.2               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/13/2007 | 33         | 0.0                       | 33.0               |
| 11/14/2007 | 33         | 0.3                       | 32.7               |
| 11/15/2007 | 32         | 0.0                       | 32.0               |
| 11/16/2007 | 32         | 0.3                       | 31.7               |
| 11/17/2007 | 31         | 0.0                       | 31.0               |
| 11/18/2007 | 31         | 0.3                       | 30.7               |
| 11/19/2007 | 31         | 0.6                       | 30.4               |
| 11/20/2007 | 30         | 0.0                       | 30.0               |
| 11/21/2007 | 29         | 0.0                       | 29.0               |
| 11/22/2007 | 28         | 0.0                       | 28.0               |
| 11/23/2007 | 27         | 0.0                       | 27.0               |
| 11/24/2007 | 27         | 0.3                       | 26.7               |
| 11/25/2007 | 25         | 0.0                       | 25.0               |
| 11/26/2007 | 24         | 0.0                       | 24.0               |
| 11/27/2007 | 23         | 0.0                       | 23.0               |
| 11/28/2007 | 23         | 0.2                       | 22.8               |
| 11/29/2007 | 23         | 0.4                       | 22.6               |
| 11/30/2007 | 23         | 0.6                       | 22.4               |
| 12/1/2007  | 22         | 0.0                       | 22.0               |
| 12/2/2007  | 21         | 0.0                       | 21.0               |
| 12/3/2007  | 21         | 0.2                       | 20.8               |
| 12/4/2007  | 20         | 0.0                       | 20.0               |
| 12/5/2007  | 20         | 0.2                       | 19.8               |
| 12/6/2007  | 19         | 0.0                       | 19.0               |
| 12/7/2007  | 19         | 0.2                       | 18.8               |
| 12/8/2007  | 19         | 0.4                       | 18.6               |
| 12/9/2007  | 19         | 0.5                       | 18.5               |
| 12/10/2007 | 20         | 1.6                       | 18.4               |
| 12/11/2007 | 18         | 0.0                       | 18.0               |
| 12/12/2007 | 17         | 0.0                       | 17.0               |
| 12/13/2007 | 18         | 1.1                       | 16.9               |
| 12/14/2007 | 21         | 4.1                       | 16.9               |
| 12/15/2007 | 19         | 2.2                       | 16.8               |
| 12/16/2007 | 18         | 1.3                       | 16.7               |
| 12/17/2007 | 17         | 0.5                       | 16.5               |
| 12/18/2007 | 17         | 0.6                       | 16.4               |
| 12/19/2007 | 16         | 0.0                       | 16.0               |
| 12/20/2007 | 17         | 1.1                       | 15.9               |
| 12/21/2007 | 17         | 1.2                       | 15.8               |
| 12/22/2007 | 16         | 0.4                       | 15.6               |
| 12/23/2007 | 16         | 0.5                       | 15.5               |
| 12/24/2007 | 16         | 0.6                       | 15.4               |
| 12/25/2007 | 17         | 1.7                       | 15.3               |
| 12/26/2007 | 17         | 1.8                       | 15.2               |
| 12/27/2007 | 17         | 1.9                       | 15.1               |
| 12/28/2007 | 17         | 1.9                       | 15.1               |
| 12/29/2007 | 17         | 2.0                       | 15.0               |
| 12/30/2007 | 16         | 1.1                       | 14.9               |
| 12/31/2007 | 16         | 1.2                       | 14.8               |
| 1/1/2008   | 15         | 0.4                       | 14.6               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 11/13/2007 | 59         | 0.0                       | 59.0               |
| 11/14/2007 | 57         | 0.0                       | 57.0               |
| 11/15/2007 | 54         | 0.0                       | 54.0               |
| 11/16/2007 | 56         | 2.9                       | 53.1               |
| 11/17/2007 | 65         | 12.0                      | 53.0               |
| 11/18/2007 | 67         | 13.9                      | 53.1               |
| 11/19/2007 | 65         | 12.0                      | 53.0               |
| 11/20/2007 | 63         | 10.2                      | 52.8               |
| 11/21/2007 | 64         | 11.4                      | 52.6               |
| 11/22/2007 | 67         | 14.3                      | 52.7               |
| 11/23/2007 | 66         | 13.3                      | 52.7               |
| 11/24/2007 | 61         | 8.7                       | 52.3               |
| 11/25/2007 | 53         | 1.6                       | 51.4               |
| 11/26/2007 | 58         | 7.0                       | 51.0               |
| 11/27/2007 | 55         | 4.7                       | 50.3               |
| 11/28/2007 | 55         | 5.3                       | 49.7               |
| 11/29/2007 | 54         | 4.9                       | 49.1               |
| 11/30/2007 | 57         | 8.2                       | 48.8               |
| 12/1/2007  | 70         | 20.5                      | 49.5               |
| 12/2/2007  | 69         | 19.0                      | 50.0               |
| 12/3/2007  | 71         | 20.4                      | 50.6               |
| 12/4/2007  | 64         | 13.3                      | 50.7               |
| 12/5/2007  | 59         | 8.6                       | 50.4               |
| 12/6/2007  | 62         | 11.7                      | 50.3               |
| 12/7/2007  | 58         | 8.1                       | 49.9               |
| 12/8/2007  | 50         | 1.0                       | 49.0               |
| 12/9/2007  | 48         | 0.0                       | 48.0               |
| 12/10/2007 | 54         | 6.4                       | 47.6               |
| 12/11/2007 | 49         | 2.2                       | 46.8               |
| 12/12/2007 | 48         | 2.0                       | 46.0               |
| 12/13/2007 | 59         | 12.9                      | 46.1               |
| 12/14/2007 | 64         | 17.4                      | 46.6               |
| 12/15/2007 | 57         | 10.5                      | 46.5               |
| 12/16/2007 | 55         | 8.7                       | 46.3               |
| 12/17/2007 | 52         | 6.2                       | 45.8               |
| 12/18/2007 | 50         | 4.7                       | 45.3               |
| 12/19/2007 | 49         | 4.3                       | 44.7               |
| 12/20/2007 | 49         | 4.8                       | 44.2               |
| 12/21/2007 | 50         | 6.2                       | 43.8               |
| 12/22/2007 | 47         | 3.8                       | 43.2               |
| 12/23/2007 | 46         | 3.3                       | 42.7               |
| 12/24/2007 | 45         | 3.0                       | 42.0               |
| 12/25/2007 | 45         | 3.5                       | 41.5               |
| 12/26/2007 | 47         | 5.9                       | 41.1               |
| 12/27/2007 | 45         | 4.4                       | 40.6               |
| 12/28/2007 | 46         | 5.7                       | 40.3               |
| 12/29/2007 | 45         | 5.1                       | 39.9               |
| 12/30/2007 | 39         | 0.0                       | 39.0               |
| 12/31/2007 | 38         | 0.0                       | 38.0               |
| 1/1/2008   | 36         | 0.0                       | 36.0               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/2/2008  | 28         | 1.6                       | 26.4               |
| 1/3/2008  | 30         | 4.0                       | 26.0               |
| 1/4/2008  | 32         | 6.1                       | 25.9               |
| 1/5/2008  | 35         | 8.7                       | 26.3               |
| 1/6/2008  | 37         | 10.2                      | 26.8               |
| 1/7/2008  | 37         | 9.7                       | 27.3               |
| 1/8/2008  | 37         | 9.3                       | 27.7               |
| 1/9/2008  | 36         | 8.1                       | 27.9               |
| 1/10/2008 | 36         | 8.0                       | 28.1               |
| 1/11/2008 | 35         | 7.0                       | 28.0               |
| 1/12/2008 | 35         | 7.0                       | 28.0               |
| 1/13/2008 | 33         | 5.2                       | 27.8               |
| 1/14/2008 | 30         | 2.9                       | 27.1               |
| 1/15/2008 | 28         | 1.7                       | 26.3               |
| 1/16/2008 | 29         | 3.2                       | 25.8               |
| 1/17/2008 | 30         | 4.5                       | 25.5               |
| 1/18/2008 | 28         | 3.1                       | 24.9               |
| 1/19/2008 | 28         | 3.5                       | 24.5               |
| 1/20/2008 | 31         | 6.5                       | 24.5               |
| 1/21/2008 | 32         | 7.3                       | 24.7               |
| 1/22/2008 | 30         | 5.4                       | 24.6               |
| 1/23/2008 | 28         | 3.8                       | 24.2               |
| 1/24/2008 | 29         | 5.0                       | 24.0               |
| 1/25/2008 | 30         | 6.0                       | 24.0               |
| 1/26/2008 | 28         | 4.2                       | 23.8               |
| 1/27/2008 | 28         | 4.5                       | 23.5               |
| 1/28/2008 | 28         | 4.7                       | 23.3               |
| 1/29/2008 | 30         | 6.6                       | 23.4               |
| 1/30/2008 | 31         | 7.3                       | 23.7               |
| 1/31/2008 | 29         | 5.4                       | 23.6               |
| 2/1/2008  | 29         | 5.5                       | 23.5               |
| 2/2/2008  | 31         | 7.3                       | 23.7               |
| 2/3/2008  | 32         | 7.9                       | 24.1               |
| 2/4/2008  | 31         | 6.8                       | 24.2               |
| 2/5/2008  | 29         | 5.0                       | 24.0               |
| 2/6/2008  | 29         | 5.1                       | 23.9               |
| 2/7/2008  | 29         | 5.2                       | 23.8               |
| 2/8/2008  | 27         | 3.6                       | 23.4               |
| 2/9/2008  | 26         | 3.1                       | 22.9               |
| 2/10/2008 | 26         | 3.4                       | 22.6               |
| 2/11/2008 | 25         | 2.9                       | 22.1               |
| 2/12/2008 | 27         | 5.0                       | 22.0               |
| 2/13/2008 | 31         | 8.5                       | 22.5               |
| 2/14/2008 | 33         | 9.8                       | 23.2               |
| 2/15/2008 | 33         | 9.3                       | 23.7               |
| 2/16/2008 | 33         | 8.8                       | 24.2               |
| 2/17/2008 | 33         | 8.4                       | 24.6               |
| 2/18/2008 | 31         | 6.4                       | 24.6               |
| 2/19/2008 | 27         | 2.9                       | 24.1               |
| 2/20/2008 | 25         | 1.6                       | 23.4               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/2/2008  | 15         | 0.5                       | 14.5               |
| 1/3/2008  | 15         | 0.6                       | 14.4               |
| 1/4/2008  | 20         | 5.5                       | 14.5               |
| 1/5/2008  | 20         | 5.5                       | 14.5               |
| 1/6/2008  | 17         | 2.5                       | 14.5               |
| 1/7/2008  | 16         | 1.6                       | 14.4               |
| 1/8/2008  | 16         | 1.7                       | 14.3               |
| 1/9/2008  | 16         | 1.7                       | 14.3               |
| 1/10/2008 | 17         | 2.8                       | 14.2               |
| 1/11/2008 | 24         | 9.5                       | 14.5               |
| 1/12/2008 | 19         | 4.5                       | 14.5               |
| 1/13/2008 | 17         | 2.5                       | 14.5               |
| 1/14/2008 | 17         | 2.6                       | 14.4               |
| 1/15/2008 | 16         | 1.7                       | 14.3               |
| 1/16/2008 | 16         | 1.7                       | 14.3               |
| 1/17/2008 | 15         | 0.8                       | 14.2               |
| 1/18/2008 | 15         | 0.9                       | 14.1               |
| 1/19/2008 | 16         | 2.0                       | 14.0               |
| 1/20/2008 | 20         | 5.9                       | 14.1               |
| 1/21/2008 | 19         | 4.9                       | 14.1               |
| 1/22/2008 | 22         | 7.7                       | 14.3               |
| 1/23/2008 | 22         | 7.5                       | 14.5               |
| 1/24/2008 | 21         | 6.4                       | 14.6               |
| 1/25/2008 | 22         | 7.3                       | 14.7               |
| 1/26/2008 | 19         | 4.2                       | 14.8               |
| 1/27/2008 | 19         | 4.2                       | 14.8               |
| 1/28/2008 | 19         | 4.2                       | 14.8               |
| 1/29/2008 | 22         | 7.1                       | 14.9               |
| 1/30/2008 | 16         | 1.2                       | 14.8               |
| 1/31/2008 | 15         | 0.3                       | 14.7               |
| 2/1/2008  | 14         | 0.0                       | 14.0               |
| 2/2/2008  | 14         | 0.1                       | 13.9               |
| 2/3/2008  | 13         | 0.0                       | 13.0               |
| 2/4/2008  | 13         | 0.1                       | 12.9               |
| 2/5/2008  | 13         | 0.2                       | 12.8               |
| 2/6/2008  | 13         | 0.4                       | 12.6               |
| 2/7/2008  | 12         | 0.0                       | 12.0               |
| 2/8/2008  | 12         | 0.1                       | 11.9               |
| 2/9/2008  | 12         | 0.2                       | 11.8               |
| 2/10/2008 | 12         | 0.3                       | 11.7               |
| 2/11/2008 | 12         | 0.4                       | 11.6               |
| 2/12/2008 | 12         | 0.5                       | 11.5               |
| 2/13/2008 | 15         | 3.5                       | 11.5               |
| 2/14/2008 | 18         | 6.4                       | 11.6               |
| 2/15/2008 | 16         | 4.3                       | 11.7               |
| 2/16/2008 | 14         | 2.3                       | 11.7               |
| 2/17/2008 | 13         | 1.4                       | 11.6               |
| 2/18/2008 | 12         | 0.5                       | 11.5               |
| 2/19/2008 | 12         | 0.6                       | 11.4               |
| 2/20/2008 | 11         | 0.0                       | 11.0               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/2/2008  | 34         | 0.0                       | 34.0               |
| 1/3/2008  | 38         | 4.3                       | 33.7               |
| 1/4/2008  | 39         | 5.6                       | 33.4               |
| 1/5/2008  | 53         | 18.7                      | 34.3               |
| 1/6/2008  | 50         | 15.2                      | 34.8               |
| 1/7/2008  | 50         | 14.7                      | 35.3               |
| 1/8/2008  | 60         | 23.5                      | 36.5               |
| 1/9/2008  | 47         | 10.4                      | 36.6               |
| 1/10/2008 | 45         | 8.5                       | 36.5               |
| 1/11/2008 | 41         | 4.8                       | 36.2               |
| 1/12/2008 | 53         | 16.3                      | 36.7               |
| 1/13/2008 | 49         | 12.0                      | 37.0               |
| 1/14/2008 | 43         | 6.3                       | 36.7               |
| 1/15/2008 | 46         | 9.3                       | 36.7               |
| 1/16/2008 | 42         | 5.6                       | 36.4               |
| 1/17/2008 | 43         | 6.7                       | 36.3               |
| 1/18/2008 | 40         | 4.1                       | 35.9               |
| 1/19/2008 | 40         | 4.5                       | 35.5               |
| 1/20/2008 | 42         | 6.7                       | 35.3               |
| 1/21/2008 | 39         | 4.1                       | 34.9               |
| 1/22/2008 | 39         | 4.4                       | 34.6               |
| 1/23/2008 | 39         | 4.7                       | 34.3               |
| 1/24/2008 | 39         | 5.0                       | 34.0               |
| 1/25/2008 | 39         | 5.3                       | 33.7               |
| 1/26/2008 | 39         | 5.5                       | 33.5               |
| 1/27/2008 | 41         | 7.6                       | 33.4               |
| 1/28/2008 | 40         | 6.7                       | 33.3               |
| 1/29/2008 | 39         | 5.9                       | 33.1               |
| 1/30/2008 | 35         | 2.4                       | 32.6               |
| 1/31/2008 | 35         | 2.8                       | 32.2               |
| 2/1/2008  | 38         | 6.0                       | 32.0               |
| 2/2/2008  | 39         | 7.0                       | 32.0               |
| 2/3/2008  | 38         | 6.2                       | 31.8               |
| 2/4/2008  | 35         | 3.5                       | 31.5               |
| 2/5/2008  | 46         | 14.0                      | 32.0               |
| 2/6/2008  | 44         | 11.7                      | 32.3               |
| 2/7/2008  | 42         | 9.6                       | 32.4               |
| 2/8/2008  | 45         | 12.3                      | 32.7               |
| 2/9/2008  | 51         | 17.5                      | 33.5               |
| 2/10/2008 | 43         | 9.4                       | 33.6               |
| 2/11/2008 | 39         | 5.7                       | 33.3               |
| 2/12/2008 | 41         | 7.7                       | 33.3               |
| 2/13/2008 | 44         | 10.5                      | 33.5               |
| 2/14/2008 | 40         | 6.7                       | 33.3               |
| 2/15/2008 | 39         | 5.9                       | 33.1               |
| 2/16/2008 | 37         | 4.2                       | 32.8               |
| 2/17/2008 | 35         | 2.6                       | 32.4               |
| 2/18/2008 | 33         | 1.2                       | 31.8               |
| 2/19/2008 | 32         | 0.8                       | 31.2               |
| 2/20/2008 | 32         | 1.3                       | 30.7               |



## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/21/2008 | 28         | 4.8                       | 23.2               |
| 2/22/2008 | 29         | 5.8                       | 23.2               |
| 2/23/2008 | 30         | 6.6                       | 23.4               |
| 2/24/2008 | 30         | 6.5                       | 23.5               |
| 2/25/2008 | 28         | 4.7                       | 23.3               |
| 2/26/2008 | 25         | 2.3                       | 22.7               |
| 2/27/2008 | 25         | 2.8                       | 22.2               |
| 2/28/2008 | 25         | 3.1                       | 21.9               |
| 2/29/2008 | 26         | 4.3                       | 21.7               |
| 3/1/2008  | 28         | 6.2                       | 21.8               |
| 3/2/2008  | 30         | 7.8                       | 22.2               |
| 3/3/2008  | 28         | 5.8                       | 22.2               |
| 3/4/2008  | 25         | 3.2                       | 21.8               |
| 3/5/2008  | 26         | 4.3                       | 21.7               |
| 3/6/2008  | 28         | 6.2                       | 21.8               |
| 3/7/2008  | 31         | 8.7                       | 22.3               |
| 3/8/2008  | 34         | 10.9                      | 23.1               |
| 3/9/2008  | 34         | 10.2                      | 23.8               |
| 3/10/2008 | 33         | 8.7                       | 24.3               |
| 3/11/2008 | 32         | 7.5                       | 24.5               |
| 3/12/2008 | 35         | 9.9                       | 25.1               |
| 3/13/2008 | 37         | 11.1                      | 25.9               |
| 3/14/2008 | 36         | 9.6                       | 26.4               |
| 3/15/2008 | 32         | 5.7                       | 26.3               |
| 3/16/2008 | 32         | 5.9                       | 26.1               |
| 3/17/2008 | 32         | 6.0                       | 26.0               |
| 3/18/2008 | 29         | 3.4                       | 25.6               |
| 3/19/2008 | 25         | 0.4                       | 24.6               |
| 3/20/2008 | 25         | 1.2                       | 23.8               |
| 3/21/2008 | 29         | 5.3                       | 23.7               |
| 3/22/2008 | 30         | 6.2                       | 23.8               |
| 3/23/2008 | 30         | 6.2                       | 23.8               |
| 3/24/2008 | 27         | 3.6                       | 23.4               |
| 3/25/2008 | 27         | 3.9                       | 23.1               |
| 3/26/2008 | 28         | 5.0                       | 23.0               |
| 3/27/2008 | 29         | 6.0                       | 23.0               |
| 3/28/2008 | 28         | 5.1                       | 22.9               |
| 3/29/2008 | 27         | 4.3                       | 22.7               |
| 3/30/2008 | 25         | 2.8                       | 22.2               |
| 3/31/2008 | 22         | 0.6                       | 21.4               |
| 4/1/2008  | 24         | 3.0                       | 21.0               |
| 4/2/2008  | 24         | 3.3                       | 20.7               |
| 4/3/2008  | 26         | 5.3                       | 20.7               |
| 4/4/2008  | 26         | 5.3                       | 20.7               |
| 4/5/2008  | 26         | 5.2                       | 20.8               |
| 4/6/2008  | 37         | 14.7                      | 22.3               |
| 4/7/2008  | 200        | 154.0                     | 46.0               |
| 4/8/2008  | 175        | 112.8                     | 62.2               |
| 4/9/2008  | 95         | 30.4                      | 64.6               |
| 4/10/2008 | 70         | 6.9                       | 63.1               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/21/2008 | 11         | 0.1                       | 10.9               |
| 2/22/2008 | 11         | 0.2                       | 10.8               |
| 2/23/2008 | 12         | 1.3                       | 10.7               |
| 2/24/2008 | 11         | 0.4                       | 10.6               |
| 2/25/2008 | 11         | 0.4                       | 10.6               |
| 2/26/2008 | 13         | 2.5                       | 10.5               |
| 2/27/2008 | 12         | 1.5                       | 10.5               |
| 2/28/2008 | 12         | 1.5                       | 10.5               |
| 2/29/2008 | 12         | 1.6                       | 10.4               |
| 3/1/2008  | 11         | 0.7                       | 10.3               |
| 3/2/2008  | 11         | 0.7                       | 10.3               |
| 3/3/2008  | 11         | 0.8                       | 10.2               |
| 3/4/2008  | 11         | 0.9                       | 10.1               |
| 3/5/2008  | 7.1        | 0.0                       | 7.1                |
| 3/6/2008  | 7.4        | 0.4                       | 7.0                |
| 3/7/2008  | 14         | 6.8                       | 7.2                |
| 3/8/2008  | 14         | 6.6                       | 7.4                |
| 3/9/2008  | 15         | 7.3                       | 7.7                |
| 3/10/2008 | 14         | 6.2                       | 7.8                |
| 3/11/2008 | 13         | 5.1                       | 7.9                |
| 3/12/2008 | 13         | 4.9                       | 8.1                |
| 3/13/2008 | 12         | 3.9                       | 8.1                |
| 3/14/2008 | 11         | 2.8                       | 8.2                |
| 3/15/2008 | 10         | 1.8                       | 8.2                |
| 3/16/2008 | 9.7        | 1.6                       | 8.1                |
| 3/17/2008 | 9.1        | 1.0                       | 8.1                |
| 3/18/2008 | 9.9        | 1.8                       | 8.1                |
| 3/19/2008 | 11         | 2.9                       | 8.1                |
| 3/20/2008 | 11         | 2.8                       | 8.2                |
| 3/21/2008 | 14         | 5.7                       | 8.3                |
| 3/22/2008 | 13         | 4.6                       | 8.4                |
| 3/23/2008 | 12         | 3.5                       | 8.5                |
| 3/24/2008 | 12         | 3.5                       | 8.5                |
| 3/25/2008 | 12         | 3.4                       | 8.6                |
| 3/26/2008 | 11         | 2.4                       | 8.6                |
| 3/27/2008 | 9.6        | 1.1                       | 8.5                |
| 3/28/2008 | 8.8        | 0.3                       | 8.5                |
| 3/29/2008 | 8.4        | 0.0                       | 8.4                |
| 3/30/2008 | 8.3        | 0.0                       | 8.3                |
| 3/31/2008 | 7.9        | 0.0                       | 7.9                |
| 4/1/2008  | 7.6        | 0.0                       | 7.6                |
| 4/2/2008  | 7.7        | 0.2                       | 7.5                |
| 4/3/2008  | 8.4        | 0.9                       | 7.5                |
| 4/4/2008  | 9.2        | 1.7                       | 7.5                |
| 4/5/2008  | 9.3        | 1.8                       | 7.5                |
| 4/6/2008  | 86         | 75.6                      | 10.4               |
| 4/7/2008  | 266        | 245.8                     | 20.2               |
| 4/8/2008  | 179        | 152.9                     | 26.1               |
| 4/9/2008  | 139        | 108.8                     | 30.2               |
| 4/10/2008 | 91         | 58.8                      | 32.2               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/21/2008 | 32         | 1.8                       | 30.2               |
| 2/22/2008 | 39         | 8.7                       | 30.3               |
| 2/23/2008 | 38         | 7.7                       | 30.3               |
| 2/24/2008 | 37         | 6.7                       | 30.3               |
| 2/25/2008 | 36         | 5.9                       | 30.1               |
| 2/26/2008 | 35         | 5.1                       | 29.9               |
| 2/27/2008 | 30         | 0.6                       | 29.4               |
| 2/28/2008 | 25         | 0.0                       | 25.0               |
| 2/29/2008 | 26         | 1.4                       | 24.6               |
| 3/1/2008  | 29         | 4.5                       | 24.5               |
| 3/2/2008  | 24         | 0.0                       | 24.0               |
| 3/3/2008  | 26         | 2.3                       | 23.7               |
| 3/4/2008  | 29         | 5.3                       | 23.7               |
| 3/5/2008  | 35         | 10.9                      | 24.1               |
| 3/6/2008  | 42         | 17.1                      | 24.9               |
| 3/7/2008  | 82         | 53.3                      | 28.7               |
| 3/8/2008  | 85         | 52.7                      | 32.3               |
| 3/9/2008  | 66         | 31.8                      | 34.2               |
| 3/10/2008 | 54         | 18.9                      | 35.1               |
| 3/11/2008 | 42         | 7.1                       | 34.9               |
| 3/12/2008 | 37         | 2.6                       | 34.4               |
| 3/13/2008 | 39         | 4.9                       | 34.1               |
| 3/14/2008 | 36         | 2.4                       | 33.6               |
| 3/15/2008 | 33         | 0.0                       | 33.0               |
| 3/16/2008 | 32         | 0.0                       | 32.0               |
| 3/17/2008 | 29         | 0.0                       | 29.0               |
| 3/18/2008 | 33         | 4.2                       | 28.8               |
| 3/19/2008 | 37         | 8.2                       | 28.8               |
| 3/20/2008 | 35         | 6.2                       | 28.8               |
| 3/21/2008 | 38         | 9.1                       | 28.9               |
| 3/22/2008 | 33         | 4.3                       | 28.7               |
| 3/23/2008 | 28         | 0.0                       | 28.0               |
| 3/24/2008 | 28         | 0.5                       | 27.5               |
| 3/25/2008 | 26         | 0.0                       | 26.0               |
| 3/26/2008 | 28         | 2.3                       | 25.7               |
| 3/27/2008 | 27         | 1.7                       | 25.3               |
| 3/28/2008 | 36         | 10.4                      | 25.6               |
| 3/29/2008 | 34         | 8.2                       | 25.8               |
| 3/30/2008 | 30         | 4.4                       | 25.6               |
| 3/31/2008 | 30         | 4.5                       | 25.5               |
| 4/1/2008  | 31         | 5.6                       | 25.4               |
| 4/2/2008  | 33         | 7.5                       | 25.5               |
| 4/3/2008  | 35         | 9.3                       | 25.7               |
| 4/4/2008  | 35         | 9.1                       | 25.9               |
| 4/5/2008  | 34         | 8.0                       | 26.0               |
| 4/6/2008  | 47         | 19.9                      | 27.1               |
| 4/7/2008  | 229        | 187.4                     | 41.6               |
| 4/8/2008  | 221        | 166.9                     | 54.1               |
| 4/9/2008  | 140        | 80.5                      | 59.5               |
| 4/10/2008 | 96         | 34.9                      | 61.1               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/11/2008 | 55         | 0.0                       | 55.0               |
| 4/12/2008 | 45         | 0.0                       | 45.0               |
| 4/13/2008 | 39         | 0.0                       | 39.0               |
| 4/14/2008 | 33         | 0.0                       | 33.0               |
| 4/15/2008 | 28         | 0.0                       | 28.0               |
| 4/16/2008 | 26         | 0.0                       | 26.0               |
| 4/17/2008 | 23         | 0.0                       | 23.0               |
| 4/18/2008 | 22         | 0.0                       | 22.0               |
| 4/19/2008 | 21         | 0.0                       | 21.0               |
| 4/20/2008 | 20         | 0.0                       | 20.0               |
| 4/21/2008 | 19         | 0.0                       | 19.0               |
| 4/22/2008 | 18         | 0.0                       | 18.0               |
| 4/23/2008 | 19         | 1.5                       | 17.5               |
| 4/24/2008 | 18         | 1.0                       | 17.0               |
| 4/25/2008 | 17         | 0.6                       | 16.4               |
| 4/26/2008 | 17         | 1.1                       | 15.9               |
| 4/27/2008 | 15         | 0.0                       | 15.0               |
| 4/28/2008 | 13         | 0.0                       | 13.0               |
| 4/29/2008 | 14         | 1.3                       | 12.7               |
| 4/30/2008 | 14         | 1.6                       | 12.4               |
| 5/1/2008  | 13         | 0.9                       | 12.1               |
| 5/2/2008  | 11         | 0.0                       | 11.0               |
| 5/3/2008  | 11         | 0.4                       | 10.6               |
| 5/4/2008  | 13         | 2.4                       | 10.6               |
| 5/5/2008  | 12         | 1.6                       | 10.4               |
| 5/6/2008  | 11         | 0.9                       | 10.1               |
| 5/7/2008  | 11         | 1.1                       | 9.9                |
| 5/8/2008  | 12         | 2.1                       | 9.9                |
| 5/9/2008  | 11         | 1.3                       | 9.7                |
| 5/10/2008 | 9.6        | 0.3                       | 9.3                |
| 5/11/2008 | 8.5        | 0.0                       | 8.5                |
| 5/12/2008 | 7.9        | 0.0                       | 7.9                |
| 5/13/2008 | 8.5        | 0.8                       | 7.7                |
| 5/14/2008 | 8.5        | 0.9                       | 7.6                |
| 5/15/2008 | 8          | 0.6                       | 7.4                |
| 5/16/2008 | 7.2        | 0.1                       | 7.1                |
| 5/17/2008 | 7.6        | 0.7                       | 6.9                |
| 5/18/2008 | 8.8        | 1.9                       | 6.9                |
| 5/19/2008 | 9.1        | 2.1                       | 7.0                |
| 5/20/2008 | 8.9        | 1.9                       | 7.0                |
| 5/21/2008 | 7.6        | 0.7                       | 6.9                |
| 5/22/2008 | 7.2        | 0.5                       | 6.7                |
| 5/23/2008 | 7.6        | 1.0                       | 6.6                |
| 5/24/2008 | 9.2        | 2.5                       | 6.7                |
| 5/25/2008 | 11         | 3.9                       | 7.1                |
| 5/26/2008 | 8.9        | 1.8                       | 7.1                |
| 5/27/2008 | 6.9        | 0.1                       | 6.8                |
| 5/28/2008 | 6          | 0.0                       | 6.0                |
| 5/29/2008 | 6.1        | 0.3                       | 5.8                |
| 5/30/2008 | 6.2        | 0.5                       | 5.7                |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/11/2008 | 48         | 15.5                      | 32.5               |
| 4/12/2008 | 38         | 5.6                       | 32.4               |
| 4/13/2008 | 32         | 0.0                       | 32.0               |
| 4/14/2008 | 28         | 0.0                       | 28.0               |
| 4/15/2008 | 26         | 0.0                       | 26.0               |
| 4/16/2008 | 25         | 0.0                       | 25.0               |
| 4/17/2008 | 25         | 0.2                       | 24.8               |
| 4/18/2008 | 24         | 0.0                       | 24.0               |
| 4/19/2008 | 22         | 0.0                       | 22.0               |
| 4/20/2008 | 21         | 0.0                       | 21.0               |
| 4/21/2008 | 22         | 1.2                       | 20.8               |
| 4/22/2008 | 22         | 1.3                       | 20.7               |
| 4/23/2008 | 21         | 0.5                       | 20.5               |
| 4/24/2008 | 21         | 0.7                       | 20.3               |
| 4/25/2008 | 21         | 0.9                       | 20.1               |
| 4/26/2008 | 20         | 0.1                       | 19.9               |
| 4/27/2008 | 19         | 0.0                       | 19.0               |
| 4/28/2008 | 17         | 0.0                       | 17.0               |
| 4/29/2008 | 15         | 0.0                       | 15.0               |
| 4/30/2008 | 15         | 0.1                       | 14.9               |
| 5/1/2008  | 15         | 0.3                       | 14.7               |
| 5/2/2008  | 14         | 0.0                       | 14.0               |
| 5/3/2008  | 13         | 0.0                       | 13.0               |
| 5/4/2008  | 12         | 0.0                       | 12.0               |
| 5/5/2008  | 12         | 0.1                       | 11.9               |
| 5/6/2008  | 11         | 0.0                       | 11.0               |
| 5/7/2008  | 12         | 1.1                       | 10.9               |
| 5/8/2008  | 11         | 0.2                       | 10.8               |
| 5/9/2008  | 11         | 0.3                       | 10.7               |
| 5/10/2008 | 11         | 0.4                       | 10.6               |
| 5/11/2008 | 11         | 0.4                       | 10.6               |
| 5/12/2008 | 10         | 0.0                       | 10.0               |
| 5/13/2008 | 9.7        | 0.0                       | 9.7                |
| 5/14/2008 | 9.6        | 0.0                       | 9.6                |
| 5/15/2008 | 9.3        | 0.0                       | 9.3                |
| 5/16/2008 | 9.4        | 0.2                       | 9.2                |
| 5/17/2008 | 9.4        | 0.3                       | 9.1                |
| 5/18/2008 | 9.4        | 0.3                       | 9.1                |
| 5/19/2008 | 9.3        | 0.3                       | 9.0                |
| 5/20/2008 | 9.2        | 0.3                       | 8.9                |
| 5/21/2008 | 9.4        | 0.6                       | 8.8                |
| 5/22/2008 | 10         | 1.2                       | 8.8                |
| 5/23/2008 | 12         | 3.2                       | 8.8                |
| 5/24/2008 | 14         | 5.1                       | 8.9                |
| 5/25/2008 | 14         | 4.9                       | 9.1                |
| 5/26/2008 | 11         | 2.0                       | 9.0                |
| 5/27/2008 | 10         | 1.0                       | 9.0                |
| 5/28/2008 | 9.6        | 0.7                       | 8.9                |
| 5/29/2008 | 8.8        | 0.0                       | 8.8                |
| 5/30/2008 | 8.2        | 0.0                       | 8.2                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 4/11/2008 | 58         | 0.0                       | 58.0               |
| 4/12/2008 | 44         | 0.0                       | 44.0               |
| 4/13/2008 | 38         | 0.0                       | 38.0               |
| 4/14/2008 | 32         | 0.0                       | 32.0               |
| 4/15/2008 | 21         | 0.0                       | 21.0               |
| 4/16/2008 | 21         | 0.4                       | 20.6               |
| 4/17/2008 | 22         | 1.7                       | 20.3               |
| 4/18/2008 | 22         | 1.9                       | 20.1               |
| 4/19/2008 | 19         | 0.0                       | 19.0               |
| 4/20/2008 | 14         | 0.0                       | 14.0               |
| 4/21/2008 | 14         | 0.3                       | 13.7               |
| 4/22/2008 | 11         | 0.0                       | 11.0               |
| 4/23/2008 | 13         | 2.1                       | 10.9               |
| 4/24/2008 | 11         | 0.3                       | 10.7               |
| 4/25/2008 | 19         | 7.8                       | 11.2               |
| 4/26/2008 | 42         | 28.8                      | 13.2               |
| 4/27/2008 | 36         | 21.3                      | 14.7               |
| 4/28/2008 | 35         | 19.1                      | 15.9               |
| 4/29/2008 | 31         | 14.3                      | 16.7               |
| 4/30/2008 | 32         | 14.4                      | 17.6               |
| 5/1/2008  | 31         | 12.8                      | 18.2               |
| 5/2/2008  | 38         | 18.6                      | 19.4               |
| 5/3/2008  | 35         | 14.8                      | 20.2               |
| 5/4/2008  | 39         | 17.8                      | 21.2               |
| 5/5/2008  | 45         | 22.5                      | 22.5               |
| 5/6/2008  | 51         | 26.8                      | 24.2               |
| 5/7/2008  | 60         | 33.6                      | 26.4               |
| 5/8/2008  | 62         | 33.4                      | 28.6               |
| 5/9/2008  | 65         | 34.2                      | 30.8               |
| 5/10/2008 | 54         | 22.1                      | 31.9               |
| 5/11/2008 | 54         | 21.0                      | 33.0               |
| 5/12/2008 | 55         | 21.0                      | 34.0               |
| 5/13/2008 | 61         | 25.7                      | 35.3               |
| 5/14/2008 | 64         | 27.2                      | 36.8               |
| 5/15/2008 | 57         | 19.4                      | 37.6               |
| 5/16/2008 | 57         | 18.6                      | 38.4               |
| 5/17/2008 | 47         | 8.7                       | 38.3               |
| 5/18/2008 | 47         | 8.8                       | 38.2               |
| 5/19/2008 | 48         | 9.8                       | 38.2               |
| 5/20/2008 | 42         | 4.2                       | 37.8               |
| 5/21/2008 | 39         | 1.8                       | 37.2               |
| 5/22/2008 | 29         | 0.0                       | 29.0               |
| 5/23/2008 | 37         | 7.9                       | 29.1               |
| 5/24/2008 | 37         | 7.9                       | 29.1               |
| 5/25/2008 | 65         | 33.8                      | 31.2               |
| 5/26/2008 | 72         | 38.3                      | 33.7               |
| 5/27/2008 | 61         | 25.9                      | 35.1               |
| 5/28/2008 | 43         | 8.0                       | 35.0               |
| 5/29/2008 | 25         | 0.0                       | 25.0               |
| 5/30/2008 | 29         | 4.2                       | 24.8               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/31/2008 | 5.6        | 0.1                       | 5.5                |
| 6/1/2008  | 5.4        | 0.1                       | 5.3                |
| 6/2/2008  | 4.2        | 0.0                       | 4.2                |
| 6/3/2008  | 3          | 0.0                       | 3.0                |
| 6/4/2008  | 3.8        | 0.8                       | 3.0                |
| 6/5/2008  | 3.8        | 0.8                       | 3.0                |
| 6/6/2008  | 3.2        | 0.3                       | 2.9                |
| 6/7/2008  | 3.1        | 0.2                       | 2.9                |
| 6/8/2008  | 4.6        | 1.6                       | 3.0                |
| 6/9/2008  | 5.1        | 1.9                       | 3.2                |
| 6/10/2008 | 4.1        | 0.9                       | 3.2                |
| 6/11/2008 | 4          | 0.8                       | 3.2                |
| 6/12/2008 | 4          | 0.8                       | 3.2                |
| 6/13/2008 | 4.8        | 1.5                       | 3.3                |
| 6/14/2008 | 6          | 2.4                       | 3.6                |
| 6/15/2008 | 6          | 2.2                       | 3.8                |
| 6/16/2008 | 5.8        | 1.9                       | 3.9                |
| 6/17/2008 | 5.6        | 1.6                       | 4.0                |
| 6/18/2008 | 7.9        | 3.5                       | 4.4                |
| 6/19/2008 | 11         | 5.8                       | 5.2                |
| 6/20/2008 | 12         | 6.1                       | 5.9                |
| 6/21/2008 | 11         | 4.6                       | 6.4                |
| 6/22/2008 | 7.7        | 1.3                       | 6.4                |
| 6/23/2008 | 7.7        | 1.4                       | 6.3                |
| 6/24/2008 | 8          | 1.6                       | 6.4                |
| 6/25/2008 | 8.2        | 1.8                       | 6.4                |
| 6/26/2008 | 11         | 4.2                       | 6.8                |
| 6/27/2008 | 13         | 5.6                       | 7.4                |
| 6/28/2008 | 15         | 6.8                       | 8.2                |
| 6/29/2008 | 17         | 7.9                       | 9.1                |
| 6/30/2008 | 19         | 8.8                       | 10.2               |
| 7/1/2008  | 35         | 21.7                      | 13.3               |
| 7/2/2008  | 78         | 56.3                      | 21.7               |
| 7/3/2008  | 99         | 67.4                      | 31.6               |
| 7/4/2008  | 102        | 61.7                      | 40.3               |
| 7/5/2008  | 102        | 54.6                      | 47.4               |
| 7/6/2008  | 87         | 35.8                      | 51.2               |
| 7/7/2008  | 77         | 24.0                      | 53.0               |
| 7/8/2008  | 79         | 24.2                      | 54.8               |
| 7/9/2008  | 85         | 28.0                      | 57.0               |
| 7/10/2008 | 72         | 14.9                      | 57.1               |
| 7/11/2008 | 64         | 7.9                       | 56.1               |
| 7/12/2008 | 84         | 26.0                      | 58.0               |
| 7/13/2008 | 111        | 47.7                      | 63.3               |
| 7/14/2008 | 121        | 51.9                      | 69.1               |
| 7/15/2008 | 150        | 72.1                      | 77.9               |
| 7/16/2008 | 240        | 142.4                     | 97.6               |
| 7/17/2008 | 410        | 272.7                     | 137.3              |
| 7/18/2008 | 400        | 231.2                     | 168.8              |
| 7/19/2008 | 360        | 170.7                     | 189.3              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/31/2008 | 7.9        | 0.0                       | 7.9                |
| 6/1/2008  | 8.3        | 0.5                       | 7.8                |
| 6/2/2008  | 8.5        | 0.7                       | 7.8                |
| 6/3/2008  | 8.4        | 0.7                       | 7.7                |
| 6/4/2008  | 7.7        | 0.0                       | 7.7                |
| 6/5/2008  | 7.2        | 0.0                       | 7.2                |
| 6/6/2008  | 6.9        | 0.0                       | 6.9                |
| 6/7/2008  | 6.8        | 0.0                       | 6.8                |
| 6/8/2008  | 6.8        | 0.1                       | 6.7                |
| 6/9/2008  | 7.2        | 0.5                       | 6.7                |
| 6/10/2008 | 7.8        | 1.1                       | 6.7                |
| 6/11/2008 | 8.6        | 1.9                       | 6.7                |
| 6/12/2008 | 8.8        | 2.1                       | 6.7                |
| 6/13/2008 | 8.6        | 1.9                       | 6.7                |
| 6/14/2008 | 7.7        | 1.0                       | 6.7                |
| 6/15/2008 | 7.2        | 0.6                       | 6.6                |
| 6/16/2008 | 7.1        | 0.5                       | 6.6                |
| 6/17/2008 | 7.2        | 0.7                       | 6.5                |
| 6/18/2008 | 7.9        | 1.4                       | 6.5                |
| 6/19/2008 | 8.5        | 2.0                       | 6.5                |
| 6/20/2008 | 8          | 1.5                       | 6.5                |
| 6/21/2008 | 8.5        | 1.9                       | 6.6                |
| 6/22/2008 | 9.2        | 2.6                       | 6.6                |
| 6/23/2008 | 10         | 3.3                       | 6.7                |
| 6/24/2008 | 10         | 3.3                       | 6.7                |
| 6/25/2008 | 9.7        | 2.9                       | 6.8                |
| 6/26/2008 | 14         | 7.0                       | 7.0                |
| 6/27/2008 | 19         | 11.6                      | 7.4                |
| 6/28/2008 | 14         | 6.4                       | 7.6                |
| 6/29/2008 | 16         | 8.2                       | 7.8                |
| 6/30/2008 | 15         | 7.0                       | 8.0                |
| 7/1/2008  | 16         | 7.8                       | 8.2                |
| 7/2/2008  | 17         | 8.5                       | 8.5                |
| 7/3/2008  | 17         | 8.2                       | 8.8                |
| 7/4/2008  | 17         | 8.0                       | 9.0                |
| 7/5/2008  | 15         | 5.9                       | 9.1                |
| 7/6/2008  | 14         | 4.8                       | 9.2                |
| 7/7/2008  | 14         | 4.7                       | 9.3                |
| 7/8/2008  | 14         | 4.6                       | 9.4                |
| 7/9/2008  | 14         | 4.5                       | 9.5                |
| 7/10/2008 | 14         | 4.4                       | 9.6                |
| 7/11/2008 | 13         | 3.4                       | 9.6                |
| 7/12/2008 | 15         | 5.3                       | 9.7                |
| 7/13/2008 | 18         | 8.0                       | 10.0               |
| 7/14/2008 | 17         | 6.9                       | 10.1               |
| 7/15/2008 | 18         | 7.7                       | 10.3               |
| 7/16/2008 | 31         | 20.0                      | 11.0               |
| 7/17/2008 | 89         | 75.1                      | 13.9               |
| 7/18/2008 | 106        | 88.7                      | 17.3               |
| 7/19/2008 | 80         | 60.4                      | 19.6               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/31/2008 | 25         | 0.6                       | 24.4               |
| 6/1/2008  | 18         | 0.0                       | 18.0               |
| 6/2/2008  | 15         | 0.0                       | 15.0               |
| 6/3/2008  | 29         | 13.2                      | 15.8               |
| 6/4/2008  | 37         | 20.0                      | 17.0               |
| 6/5/2008  | 34         | 16.0                      | 18.0               |
| 6/6/2008  | 32         | 13.3                      | 18.7               |
| 6/7/2008  | 30         | 10.8                      | 19.2               |
| 6/8/2008  | 31         | 11.3                      | 19.7               |
| 6/9/2008  | 35         | 14.5                      | 20.5               |
| 6/10/2008 | 36         | 14.8                      | 21.2               |
| 6/11/2008 | 41         | 18.7                      | 22.3               |
| 6/12/2008 | 39         | 15.9                      | 23.1               |
| 6/13/2008 | 89         | 61.4                      | 27.6               |
| 6/14/2008 | 101        | 68.5                      | 32.5               |
| 6/15/2008 | 79         | 43.6                      | 35.4               |
| 6/16/2008 | 65         | 28.1                      | 36.9               |
| 6/17/2008 | 45         | 8.2                       | 36.8               |
| 6/18/2008 | 46         | 9.2                       | 36.8               |
| 6/19/2008 | 83         | 43.5                      | 39.6               |
| 6/20/2008 | 95         | 52.1                      | 42.9               |
| 6/21/2008 | 89         | 43.5                      | 45.5               |
| 6/22/2008 | 76         | 29.0                      | 47.0               |
| 6/23/2008 | 64         | 16.7                      | 47.3               |
| 6/24/2008 | 48         | 1.5                       | 46.5               |
| 6/25/2008 | 44         | 0.0                       | 44.0               |
| 6/26/2008 | 54         | 10.1                      | 43.9               |
| 6/27/2008 | 51         | 7.4                       | 43.6               |
| 6/28/2008 | 42         | 0.0                       | 42.0               |
| 6/29/2008 | 46         | 4.5                       | 41.5               |
| 6/30/2008 | 60         | 17.9                      | 42.1               |
| 7/1/2008  | 57         | 14.6                      | 42.4               |
| 7/2/2008  | 88         | 43.0                      | 45.0               |
| 7/3/2008  | 172        | 118.4                     | 53.6               |
| 7/4/2008  | 142        | 82.8                      | 59.2               |
| 7/5/2008  | 131        | 67.6                      | 63.4               |
| 7/6/2008  | 109        | 43.4                      | 65.6               |
| 7/7/2008  | 99         | 32.2                      | 66.8               |
| 7/8/2008  | 142        | 70.8                      | 71.2               |
| 7/9/2008  | 212        | 131.7                     | 80.3               |
| 7/10/2008 | 197        | 109.6                     | 87.4               |
| 7/11/2008 | 156        | 65.1                      | 90.9               |
| 7/12/2008 | 124        | 32.3                      | 91.7               |
| 7/13/2008 | 91         | 1.1                       | 89.9               |
| 7/14/2008 | 91         | 2.7                       | 88.3               |
| 7/15/2008 | 103        | 15.2                      | 87.8               |
| 7/16/2008 | 168        | 75.9                      | 92.1               |
| 7/17/2008 | 344        | 234.9                     | 109.1              |
| 7/18/2008 | 291        | 170.5                     | 120.5              |
| 7/19/2008 | 167        | 45.3                      | 121.7              |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/20/2008 | 300        | 101.9                     | 198.1              |
| 7/21/2008 | 260        | 60.2                      | 198.8              |
| 7/22/2008 | 270        | 67.4                      | 202.6              |
| 7/23/2008 | 310        | 99.6                      | 210.4              |
| 7/24/2008 | 315        | 97.4                      | 217.6              |
| 7/25/2008 | 240        | 26.8                      | 213.2              |
| 7/26/2008 | 200        | 0.0                       | 200.0              |
| 7/27/2008 | 160        | 0.0                       | 160.0              |
| 7/28/2008 | 140        | 0.0                       | 140.0              |
| 7/29/2008 | 200        | 56.6                      | 143.4              |
| 7/30/2008 | 260        | 105.4                     | 154.6              |
| 7/31/2008 | 230        | 70.3                      | 159.7              |
| 8/1/2008  | 180        | 23.0                      | 157.0              |
| 8/2/2008  | 130        | 0.0                       | 130.0              |
| 8/3/2008  | 110        | 0.0                       | 110.0              |
| 8/4/2008  | 90         | 0.0                       | 90.0               |
| 8/5/2008  | 80         | 0.0                       | 80.0               |
| 8/6/2008  | 52         | 0.0                       | 52.0               |
| 8/7/2008  | 50         | 0.1                       | 49.9               |
| 8/8/2008  | 47         | 0.0                       | 47.0               |
| 8/9/2008  | 44         | 0.0                       | 44.0               |
| 8/10/2008 | 42         | 0.0                       | 42.0               |
| 8/11/2008 | 48         | 6.6                       | 41.4               |
| 8/12/2008 | 49         | 8.0                       | 41.0               |
| 8/13/2008 | 48         | 7.4                       | 40.6               |
| 8/14/2008 | 42         | 2.6                       | 39.4               |
| 8/15/2008 | 41         | 2.8                       | 38.2               |
| 8/16/2008 | 37         | 0.3                       | 36.7               |
| 8/17/2008 | 37         | 1.5                       | 35.5               |
| 8/18/2008 | 74         | 34.4                      | 39.6               |
| 8/19/2008 | 143        | 90.5                      | 52.5               |
| 8/20/2008 | 1000       | 818.6                     | 181.4              |
| 8/21/2008 | 2000       | 1574.0                    | 426.0              |
| 8/22/2008 | 1400       | 854.4                     | 545.6              |
| 8/23/2008 | 1100       | 496.7                     | 603.3              |
| 8/24/2008 | 900        | 276.6                     | 623.4              |
| 8/25/2008 | 725        | 109.1                     | 615.9              |
| 8/26/2008 | 670        | 67.9                      | 602.1              |
| 8/27/2008 | 590        | 10.3                      | 579.7              |
| 8/28/2008 | 540        | 0.0                       | 540.0              |
| 8/29/2008 | 510        | 0.0                       | 510.0              |
| 8/30/2008 | 490        | 0.3                       | 489.7              |
| 8/31/2008 | 440        | 0.0                       | 440.0              |
| 9/1/2008  | 430        | 6.6                       | 423.4              |
| 9/2/2008  | 420        | 11.6                      | 408.4              |
| 9/3/2008  | 462        | 60.3                      | 401.7              |
| 9/4/2008  | 416        | 26.2                      | 389.8              |
| 9/5/2008  | 548        | 149.8                     | 398.2              |
| 9/6/2008  | 556        | 149.8                     | 406.2              |
| 9/7/2008  | 475        | 73.3                      | 401.7              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/20/2008 | 58         | 37.1                      | 20.9               |
| 7/21/2008 | 45         | 23.4                      | 21.6               |
| 7/22/2008 | 69         | 45.8                      | 23.2               |
| 7/23/2008 | 93         | 67.3                      | 25.7               |
| 7/24/2008 | 64         | 37.1                      | 26.9               |
| 7/25/2008 | 52         | 24.4                      | 27.6               |
| 7/26/2008 | 46         | 18.0                      | 28.0               |
| 7/27/2008 | 43         | 14.6                      | 28.4               |
| 7/28/2008 | 66         | 36.5                      | 29.5               |
| 7/29/2008 | 114        | 81.5                      | 32.5               |
| 7/30/2008 | 100        | 65.2                      | 34.8               |
| 7/31/2008 | 93         | 56.3                      | 36.7               |
| 8/1/2008  | 75         | 37.2                      | 37.8               |
| 8/2/2008  | 65         | 26.5                      | 38.5               |
| 8/3/2008  | 50         | 11.4                      | 38.6               |
| 8/4/2008  | 41         | 2.7                       | 38.3               |
| 8/5/2008  | 36         | 0.0                       | 36.0               |
| 8/6/2008  | 33         | 0.0                       | 33.0               |
| 8/7/2008  | 31         | 0.0                       | 31.0               |
| 8/8/2008  | 30         | 0.0                       | 30.0               |
| 8/9/2008  | 30         | 0.3                       | 29.7               |
| 8/10/2008 | 31         | 1.5                       | 29.5               |
| 8/11/2008 | 30         | 0.8                       | 29.2               |
| 8/12/2008 | 28         | 0.0                       | 28.0               |
| 8/13/2008 | 27         | 0.0                       | 27.0               |
| 8/14/2008 | 27         | 0.3                       | 26.7               |
| 8/15/2008 | 25         | 0.0                       | 25.0               |
| 8/16/2008 | 24         | 0.0                       | 24.0               |
| 8/17/2008 | 24         | 0.2                       | 23.8               |
| 8/18/2008 | 25         | 1.4                       | 23.6               |
| 8/19/2008 | 193        | 163.1                     | 29.9               |
| 8/20/2008 | 1000       | 933.1                     | 66.9               |
| 8/21/2008 | 1600       | 1474.8                    | 125.2              |
| 8/22/2008 | 1170       | 1005.8                    | 164.2              |
| 8/23/2008 | 886        | 695.6                     | 190.4              |
| 8/24/2008 | 642        | 436.1                     | 205.9              |
| 8/25/2008 | 497        | 281.9                     | 215.1              |
| 8/26/2008 | 406        | 185.6                     | 220.4              |
| 8/27/2008 | 295        | 73.8                      | 221.2              |
| 8/28/2008 | 219        | 0.0                       | 219.0              |
| 8/29/2008 | 183        | 0.0                       | 183.0              |
| 8/30/2008 | 149        | 0.0                       | 149.0              |
| 8/31/2008 | 136        | 0.0                       | 136.0              |
| 9/1/2008  | 118        | 0.0                       | 118.0              |
| 9/2/2008  | 99         | 0.0                       | 99.0               |
| 9/3/2008  | 82         | 0.0                       | 82.0               |
| 9/4/2008  | 68         | 0.0                       | 68.0               |
| 9/5/2008  | 112        | 43.0                      | 69.0               |
| 9/6/2008  | 145        | 73.7                      | 71.3               |
| 9/7/2008  | 114        | 41.7                      | 72.3               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/20/2008 | 111        | 0.0                       | 111.0              |
| 7/21/2008 | 99         | 0.0                       | 99.0               |
| 7/22/2008 | 228        | 121.3                     | 106.7              |
| 7/23/2008 | 180        | 69.8                      | 110.2              |
| 7/24/2008 | 211        | 95.4                      | 115.6              |
| 7/25/2008 | 200        | 80.3                      | 119.7              |
| 7/26/2008 | 124        | 6.2                       | 117.8              |
| 7/27/2008 | 95         | 0.0                       | 95.0               |
| 7/28/2008 | 83         | 0.0                       | 83.0               |
| 7/29/2008 | 76         | 0.0                       | 76.0               |
| 7/30/2008 | 110        | 32.9                      | 77.1               |
| 7/31/2008 | 149        | 68.0                      | 81.0               |
| 8/1/2008  | 114        | 32.0                      | 82.0               |
| 8/2/2008  | 82         | 1.6                       | 80.4               |
| 8/3/2008  | 72         | 0.0                       | 72.0               |
| 8/4/2008  | 79         | 7.8                       | 71.2               |
| 8/5/2008  | 101        | 28.9                      | 72.1               |
| 8/6/2008  | 140        | 64.2                      | 75.8               |
| 8/7/2008  | 117        | 39.6                      | 77.4               |
| 8/8/2008  | 175        | 91.8                      | 83.2               |
| 8/9/2008  | 156        | 68.9                      | 87.1               |
| 8/10/2008 | 100        | 13.6                      | 86.4               |
| 8/11/2008 | 79         | 0.0                       | 79.0               |
| 8/12/2008 | 70         | 0.0                       | 70.0               |
| 8/13/2008 | 68         | 0.0                       | 68.0               |
| 8/14/2008 | 64         | 0.0                       | 64.0               |
| 8/15/2008 | 61         | 0.0                       | 61.0               |
| 8/16/2008 | 60         | 0.2                       | 59.8               |
| 8/17/2008 | 58         | 0.0                       | 58.0               |
| 8/18/2008 | 71         | 13.1                      | 57.9               |
| 8/19/2008 | 297        | 222.5                     | 74.5               |
| 8/20/2008 | 1150       | 997.2                     | 152.8              |
| 8/21/2008 | 1230       | 1000.2                    | 229.8              |
| 8/22/2008 | 1150       | 856.3                     | 293.7              |
| 8/23/2008 | 995        | 654.8                     | 340.2              |
| 8/24/2008 | 784        | 417.2                     | 366.8              |
| 8/25/2008 | 619        | 240.3                     | 378.7              |
| 8/26/2008 | 761        | 361.0                     | 400.0              |
| 8/27/2008 | 558        | 153.7                     | 404.3              |
| 8/28/2008 | 358        | 0.0                       | 358.0              |
| 8/29/2008 | 266        | 0.0                       | 266.0              |
| 8/30/2008 | 237        | 0.0                       | 237.0              |
| 8/31/2008 | 283        | 47.0                      | 236.0              |
| 9/1/2008  | 281        | 46.0                      | 235.0              |
| 9/2/2008  | 207        | 0.0                       | 207.0              |
| 9/3/2008  | 131        | 0.0                       | 131.0              |
| 9/4/2008  | 117        | 0.0                       | 117.0              |
| 9/5/2008  | 255        | 129.9                     | 125.1              |
| 9/6/2008  | 335        | 196.7                     | 138.3              |
| 9/7/2008  | 232        | 89.3                      | 142.7              |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/8/2008   | 391        | 4.6                       | 386.4              |
| 9/9/2008   | 302        | 0.0                       | 302.0              |
| 9/10/2008  | 246        | 0.0                       | 246.0              |
| 9/11/2008  | 225        | 0.0                       | 225.0              |
| 9/12/2008  | 196        | 0.0                       | 196.0              |
| 9/13/2008  | 175        | 0.0                       | 175.0              |
| 9/14/2008  | 161        | 0.0                       | 161.0              |
| 9/15/2008  | 137        | 0.0                       | 137.0              |
| 9/16/2008  | 117        | 0.0                       | 117.0              |
| 9/17/2008  | 105        | 0.0                       | 105.0              |
| 9/18/2008  | 94         | 0.0                       | 94.0               |
| 9/19/2008  | 90         | 0.0                       | 90.0               |
| 9/20/2008  | 86         | 0.0                       | 86.0               |
| 9/21/2008  | 79         | 0.0                       | 79.0               |
| 9/22/2008  | 71         | 0.0                       | 71.0               |
| 9/23/2008  | 69         | 0.7                       | 68.3               |
| 9/24/2008  | 78         | 10.7                      | 67.3               |
| 9/25/2008  | 76         | 9.9                       | 66.1               |
| 9/26/2008  | 67         | 3.0                       | 64.0               |
| 9/27/2008  | 62         | 0.5                       | 61.5               |
| 9/28/2008  | 60         | 0.8                       | 59.2               |
| 9/29/2008  | 58         | 1.0                       | 57.0               |
| 9/30/2008  | 60         | 4.6                       | 55.4               |
| 10/1/2008  | 65         | 10.2                      | 54.8               |
| 10/2/2008  | 60         | 6.3                       | 53.7               |
| 10/3/2008  | 55         | 3.0                       | 52.0               |
| 10/4/2008  | 53         | 2.7                       | 50.3               |
| 10/5/2008  | 64         | 13.5                      | 50.5               |
| 10/6/2008  | 103        | 47.0                      | 56.0               |
| 10/7/2008  | 127        | 63.1                      | 63.9               |
| 10/8/2008  | 207        | 125.6                     | 81.4               |
| 10/9/2008  | 391        | 268.7                     | 121.3              |
| 10/10/2008 | 566        | 387.6                     | 178.4              |
| 10/11/2008 | 481        | 267.0                     | 214.0              |
| 10/12/2008 | 357        | 130.6                     | 226.4              |
| 10/13/2008 | 363        | 125.6                     | 237.4              |
| 10/14/2008 | 397        | 145.8                     | 251.2              |
| 10/15/2008 | 361        | 103.3                     | 257.7              |
| 10/16/2008 | 274        | 22.9                      | 251.1              |
| 10/17/2008 | 182        | 0.0                       | 182.0              |
| 10/18/2008 | 117        | 0.0                       | 117.0              |
| 10/19/2008 | 94         | 0.0                       | 94.0               |
| 10/20/2008 | 90         | 0.0                       | 90.0               |
| 10/21/2008 | 85         | 0.0                       | 85.0               |
| 10/22/2008 | 80         | 0.0                       | 80.0               |
| 10/23/2008 | 79         | 1.9                       | 77.1               |
| 10/24/2008 | 88         | 12.1                      | 75.9               |
| 10/25/2008 | 95         | 19.0                      | 76.0               |
| 10/26/2008 | 94         | 18.2                      | 75.8               |
| 10/27/2008 | 85         | 10.5                      | 74.5               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/8/2008   | 88         | 15.8                      | 72.2               |
| 9/9/2008   | 70         | 0.0                       | 70.0               |
| 9/10/2008  | 63         | 0.0                       | 63.0               |
| 9/11/2008  | 69         | 6.4                       | 62.6               |
| 9/12/2008  | 64         | 1.9                       | 62.1               |
| 9/13/2008  | 53         | 0.0                       | 53.0               |
| 9/14/2008  | 45         | 0.0                       | 45.0               |
| 9/15/2008  | 40         | 0.0                       | 40.0               |
| 9/16/2008  | 37         | 0.0                       | 37.0               |
| 9/17/2008  | 34         | 0.0                       | 34.0               |
| 9/18/2008  | 33         | 0.0                       | 33.0               |
| 9/19/2008  | 41         | 8.0                       | 33.0               |
| 9/20/2008  | 40         | 7.1                       | 32.9               |
| 9/21/2008  | 35         | 2.3                       | 32.7               |
| 9/22/2008  | 33         | 0.6                       | 32.4               |
| 9/23/2008  | 41         | 8.6                       | 32.4               |
| 9/24/2008  | 63         | 29.7                      | 33.3               |
| 9/25/2008  | 78         | 43.3                      | 34.7               |
| 9/26/2008  | 61         | 25.6                      | 35.4               |
| 9/27/2008  | 47         | 11.5                      | 35.5               |
| 9/28/2008  | 41         | 5.7                       | 35.3               |
| 9/29/2008  | 42         | 6.7                       | 35.3               |
| 9/30/2008  | 45         | 9.7                       | 35.3               |
| 10/1/2008  | 44         | 8.7                       | 35.3               |
| 10/2/2008  | 39         | 3.9                       | 35.1               |
| 10/3/2008  | 36         | 1.2                       | 34.8               |
| 10/4/2008  | 34         | 0.0                       | 34.0               |
| 10/5/2008  | 33         | 0.0                       | 33.0               |
| 10/6/2008  | 42         | 9.0                       | 33.0               |
| 10/7/2008  | 56         | 22.4                      | 33.6               |
| 10/8/2008  | 88         | 52.6                      | 35.4               |
| 10/9/2008  | 182        | 141.3                     | 40.7               |
| 10/10/2008 | 175        | 129.6                     | 45.4               |
| 10/11/2008 | 145        | 96.2                      | 48.8               |
| 10/12/2008 | 119        | 67.9                      | 51.1               |
| 10/13/2008 | 108        | 55.2                      | 52.8               |
| 10/14/2008 | 97         | 43.0                      | 54.0               |
| 10/15/2008 | 78         | 23.6                      | 54.4               |
| 10/16/2008 | 64         | 9.8                       | 54.2               |
| 10/17/2008 | 53         | 0.0                       | 53.0               |
| 10/18/2008 | 47         | 0.0                       | 47.0               |
| 10/19/2008 | 42         | 0.0                       | 42.0               |
| 10/20/2008 | 38         | 0.0                       | 38.0               |
| 10/21/2008 | 37         | 0.0                       | 37.0               |
| 10/22/2008 | 36         | 0.0                       | 36.0               |
| 10/23/2008 | 34         | 0.0                       | 34.0               |
| 10/24/2008 | 36         | 2.3                       | 33.8               |
| 10/25/2008 | 36         | 2.5                       | 33.5               |
| 10/26/2008 | 34         | 0.8                       | 33.2               |
| 10/27/2008 | 31         | 0.0                       | 31.0               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/8/2008   | 162        | 20.5                      | 141.5              |
| 9/9/2008   | 107        | 0.0                       | 107.0              |
| 9/10/2008  | 104        | 0.0                       | 104.0              |
| 9/11/2008  | 126        | 22.3                      | 103.7              |
| 9/12/2008  | 104        | 2.2                       | 101.8              |
| 9/13/2008  | 98         | 0.0                       | 98.0               |
| 9/14/2008  | 90         | 0.0                       | 90.0               |
| 9/15/2008  | 84         | 0.0                       | 84.0               |
| 9/16/2008  | 80         | 0.0                       | 80.0               |
| 9/17/2008  | 76         | 0.0                       | 76.0               |
| 9/18/2008  | 76         | 1.4                       | 74.6               |
| 9/19/2008  | 70         | 0.0                       | 70.0               |
| 9/20/2008  | 62         | 0.0                       | 62.0               |
| 9/21/2008  | 52         | 0.0                       | 52.0               |
| 9/22/2008  | 49         | 0.0                       | 49.0               |
| 9/23/2008  | 59         | 10.2                      | 48.8               |
| 9/24/2008  | 159        | 102.9                     | 56.1               |
| 9/25/2008  | 141        | 79.7                      | 61.3               |
| 9/26/2008  | 103        | 39.7                      | 63.3               |
| 9/27/2008  | 72         | 9.2                       | 62.8               |
| 9/28/2008  | 65         | 3.2                       | 61.8               |
| 9/29/2008  | 63         | 2.3                       | 60.7               |
| 9/30/2008  | 61         | 1.4                       | 59.6               |
| 10/1/2008  | 66         | 7.0                       | 59.0               |
| 10/2/2008  | 69         | 10.4                      | 58.6               |
| 10/3/2008  | 64         | 6.1                       | 57.9               |
| 10/4/2008  | 62         | 4.8                       | 57.2               |
| 10/5/2008  | 62         | 5.5                       | 56.5               |
| 10/6/2008  | 140        | 78.4                      | 61.6               |
| 10/7/2008  | 143        | 76.5                      | 66.5               |
| 10/8/2008  | 134        | 63.7                      | 70.3               |
| 10/9/2008  | 201        | 122.4                     | 78.7               |
| 10/10/2008 | 141        | 59.2                      | 81.8               |
| 10/11/2008 | 118        | 35.0                      | 83.0               |
| 10/12/2008 | 107        | 23.8                      | 83.2               |
| 10/13/2008 | 130        | 44.9                      | 85.1               |
| 10/14/2008 | 151        | 62.6                      | 88.4               |
| 10/15/2008 | 118        | 29.0                      | 89.0               |
| 10/16/2008 | 95         | 7.2                       | 87.8               |
| 10/17/2008 | 85         | 0.0                       | 85.0               |
| 10/18/2008 | 92         | 8.1                       | 83.9               |
| 10/19/2008 | 83         | 0.7                       | 82.3               |
| 10/20/2008 | 74         | 0.0                       | 74.0               |
| 10/21/2008 | 65         | 0.0                       | 65.0               |
| 10/22/2008 | 61         | 0.0                       | 61.0               |
| 10/23/2008 | 64         | 3.9                       | 60.1               |
| 10/24/2008 | 56         | 0.0                       | 56.0               |
| 10/25/2008 | 57         | 2.0                       | 55.0               |
| 10/26/2008 | 62         | 7.5                       | 54.5               |
| 10/27/2008 | 56         | 2.4                       | 53.6               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/28/2008 | 73         | 1.3                       | 71.7               |
| 10/29/2008 | 65         | 0.0                       | 65.0               |
| 10/30/2008 | 60         | 0.0                       | 60.0               |
| 10/31/2008 | 72         | 12.4                      | 59.6               |
| 11/1/2008  | 151        | 80.9                      | 70.1               |
| 11/2/2008  | 229        | 139.4                     | 89.6               |
| 11/3/2008  | 248        | 139.6                     | 108.4              |
| 11/4/2008  | 191        | 75.0                      | 116.0              |
| 11/5/2008  | 146        | 29.8                      | 116.2              |
| 11/6/2008  | 132        | 17.6                      | 114.4              |
| 11/7/2008  | 122        | 10.5                      | 111.5              |
| 11/8/2008  | 102        | 0.0                       | 102.0              |
| 11/9/2008  | 88         | 0.0                       | 88.0               |
| 11/10/2008 | 74         | 0.0                       | 74.0               |
| 11/11/2008 | 64         | 0.0                       | 64.0               |
| 11/12/2008 | 63         | 1.3                       | 61.7               |
| 11/13/2008 | 67         | 6.7                       | 60.3               |
| 11/14/2008 | 67         | 7.9                       | 59.1               |
| 11/15/2008 | 62         | 4.5                       | 57.5               |
| 11/16/2008 | 55         | 0.0                       | 55.0               |
| 11/17/2008 | 51         | 0.0                       | 51.0               |
| 11/18/2008 | 43         | 0.0                       | 43.0               |
| 11/19/2008 | 42         | 0.6                       | 41.4               |
| 11/20/2008 | 45         | 4.5                       | 40.5               |
| 11/21/2008 | 41         | 1.9                       | 39.1               |
| 11/22/2008 | 37         | 0.0                       | 37.0               |
| 11/23/2008 | 37         | 1.3                       | 35.7               |
| 11/24/2008 | 36         | 1.5                       | 34.5               |
| 11/25/2008 | 36         | 2.5                       | 33.5               |
| 11/26/2008 | 34         | 1.6                       | 32.4               |
| 11/27/2008 | 34         | 2.5                       | 31.5               |
| 11/28/2008 | 34         | 3.2                       | 30.8               |
| 11/29/2008 | 36         | 5.5                       | 30.5               |
| 11/30/2008 | 45         | 13.6                      | 31.4               |
| 12/1/2008  | 54         | 20.6                      | 33.4               |
| 12/2/2008  | 53         | 18.0                      | 35.0               |
| 12/3/2008  | 50         | 14.1                      | 35.9               |
| 12/4/2008  | 50         | 13.4                      | 36.6               |
| 12/5/2008  | 47         | 10.3                      | 36.7               |
| 12/6/2008  | 45         | 8.4                       | 36.6               |
| 12/7/2008  | 39         | 3.3                       | 35.7               |
| 12/8/2008  | 36         | 1.5                       | 34.5               |
| 12/9/2008  | 37         | 3.3                       | 33.7               |
| 12/10/2008 | 36         | 3.2                       | 32.8               |
| 12/11/2008 | 36         | 3.9                       | 32.1               |
| 12/12/2008 | 40         | 7.9                       | 32.1               |
| 12/13/2008 | 37         | 5.3                       | 31.7               |
| 12/14/2008 | 37         | 5.7                       | 31.3               |
| 12/15/2008 | 37         | 6.0                       | 31.0               |
| 12/16/2008 | 34         | 3.6                       | 30.4               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/28/2008 | 28         | 0.0                       | 28.0               |
| 10/29/2008 | 27         | 0.0                       | 27.0               |
| 10/30/2008 | 26         | 0.0                       | 26.0               |
| 10/31/2008 | 26         | 0.3                       | 25.8               |
| 11/1/2008  | 27         | 1.4                       | 25.6               |
| 11/2/2008  | 39         | 13.2                      | 25.8               |
| 11/3/2008  | 42         | 15.8                      | 26.2               |
| 11/4/2008  | 38         | 11.6                      | 26.4               |
| 11/5/2008  | 32         | 5.6                       | 26.4               |
| 11/6/2008  | 30         | 3.8                       | 26.2               |
| 11/7/2008  | 28         | 1.9                       | 26.1               |
| 11/8/2008  | 27         | 1.2                       | 25.8               |
| 11/9/2008  | 26         | 0.4                       | 25.6               |
| 11/10/2008 | 25         | 0.0                       | 25.0               |
| 11/11/2008 | 25         | 0.2                       | 24.8               |
| 11/12/2008 | 25         | 0.5                       | 24.5               |
| 11/13/2008 | 25         | 0.7                       | 24.3               |
| 11/14/2008 | 25         | 0.9                       | 24.1               |
| 11/15/2008 | 22         | 0.0                       | 22.0               |
| 11/16/2008 | 23         | 1.2                       | 21.8               |
| 11/17/2008 | 24         | 2.3                       | 21.7               |
| 11/18/2008 | 22         | 0.5                       | 21.5               |
| 11/19/2008 | 21         | 0.0                       | 21.0               |
| 11/20/2008 | 21         | 0.2                       | 20.8               |
| 11/21/2008 | 21         | 0.4                       | 20.6               |
| 11/22/2008 | 20         | 0.0                       | 20.0               |
| 11/23/2008 | 18         | 0.0                       | 18.0               |
| 11/24/2008 | 17         | 0.0                       | 17.0               |
| 11/25/2008 | 17         | 0.2                       | 16.8               |
| 11/26/2008 | 17         | 0.3                       | 16.7               |
| 11/27/2008 | 17         | 0.5                       | 16.5               |
| 11/28/2008 | 17         | 0.6                       | 16.4               |
| 11/29/2008 | 17         | 0.7                       | 16.3               |
| 11/30/2008 | 19         | 2.8                       | 16.2               |
| 12/1/2008  | 23         | 6.7                       | 16.3               |
| 12/2/2008  | 20         | 3.7                       | 16.3               |
| 12/3/2008  | 19         | 2.8                       | 16.2               |
| 12/4/2008  | 19         | 2.8                       | 16.2               |
| 12/5/2008  | 19         | 2.9                       | 16.1               |
| 12/6/2008  | 19         | 2.9                       | 16.1               |
| 12/7/2008  | 18         | 2.0                       | 16.0               |
| 12/8/2008  | 16         | 0.1                       | 15.9               |
| 12/9/2008  | 16         | 0.3                       | 15.7               |
| 12/10/2008 | 16         | 0.4                       | 15.6               |
| 12/11/2008 | 20         | 4.4                       | 15.6               |
| 12/12/2008 | 24         | 8.2                       | 15.8               |
| 12/13/2008 | 22         | 6.1                       | 15.9               |
| 12/14/2008 | 20         | 4.1                       | 15.9               |
| 12/15/2008 | 19         | 3.2                       | 15.8               |
| 12/16/2008 | 19         | 3.2                       | 15.8               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/28/2008 | 77         | 22.6                      | 54.4               |
| 10/29/2008 | 64         | 9.9                       | 54.1               |
| 10/30/2008 | 56         | 2.8                       | 53.2               |
| 10/31/2008 | 52         | 0.0                       | 52.0               |
| 11/1/2008  | 58         | 6.5                       | 51.5               |
| 11/2/2008  | 72         | 20.0                      | 52.0               |
| 11/3/2008  | 73         | 20.4                      | 52.6               |
| 11/4/2008  | 88         | 33.7                      | 54.3               |
| 11/5/2008  | 92         | 35.9                      | 56.1               |
| 11/6/2008  | 87         | 29.7                      | 57.3               |
| 11/7/2008  | 78         | 20.2                      | 57.8               |
| 11/8/2008  | 66         | 8.7                       | 57.3               |
| 11/9/2008  | 61         | 4.5                       | 56.5               |
| 11/10/2008 | 62         | 6.1                       | 55.9               |
| 11/11/2008 | 63         | 7.6                       | 55.4               |
| 11/12/2008 | 61         | 6.2                       | 54.8               |
| 11/13/2008 | 61         | 6.8                       | 54.2               |
| 11/14/2008 | 65         | 11.0                      | 54.0               |
| 11/15/2008 | 61         | 7.5                       | 53.5               |
| 11/16/2008 | 58         | 5.1                       | 52.9               |
| 11/17/2008 | 75         | 21.5                      | 53.5               |
| 11/18/2008 | 85         | 30.1                      | 54.9               |
| 11/19/2008 | 73         | 17.8                      | 55.2               |
| 11/20/2008 | 64         | 9.2                       | 54.8               |
| 11/21/2008 | 58         | 4.0                       | 54.0               |
| 11/22/2008 | 54         | 1.0                       | 53.0               |
| 11/23/2008 | 52         | 0.0                       | 52.0               |
| 11/24/2008 | 50         | 0.0                       | 50.0               |
| 11/25/2008 | 60         | 10.2                      | 49.8               |
| 11/26/2008 | 62         | 12.2                      | 49.8               |
| 11/27/2008 | 58         | 8.5                       | 49.5               |
| 11/28/2008 | 61         | 11.6                      | 49.4               |
| 11/29/2008 | 57         | 7.9                       | 49.1               |
| 11/30/2008 | 54         | 5.5                       | 48.5               |
| 12/1/2008  | 53         | 5.0                       | 48.0               |
| 12/2/2008  | 53         | 5.6                       | 47.4               |
| 12/3/2008  | 48         | 1.4                       | 46.6               |
| 12/4/2008  | 42         | 0.0                       | 42.0               |
| 12/5/2008  | 44         | 2.6                       | 41.4               |
| 12/6/2008  | 41         | 0.4                       | 40.6               |
| 12/7/2008  | 40         | 0.2                       | 39.8               |
| 12/8/2008  | 37         | 0.0                       | 37.0               |
| 12/9/2008  | 44         | 7.2                       | 36.8               |
| 12/10/2008 | 45         | 8.2                       | 36.8               |
| 12/11/2008 | 45         | 8.3                       | 36.7               |
| 12/12/2008 | 56         | 18.6                      | 37.4               |
| 12/13/2008 | 45         | 7.7                       | 37.3               |
| 12/14/2008 | 43         | 6.0                       | 37.0               |
| 12/15/2008 | 43         | 6.2                       | 36.8               |
| 12/16/2008 | 43         | 6.4                       | 36.6               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/17/2008 | 32         | 2.5                       | 29.5               |
| 12/18/2008 | 33         | 4.0                       | 29.0               |
| 12/19/2008 | 34         | 5.3                       | 28.7               |
| 12/20/2008 | 34         | 5.6                       | 28.4               |
| 12/21/2008 | 34         | 5.8                       | 28.2               |
| 12/22/2008 | 30         | 2.5                       | 27.5               |
| 12/23/2008 | 30         | 3.1                       | 26.9               |
| 12/24/2008 | 33         | 6.2                       | 26.8               |
| 12/25/2008 | 35         | 8.0                       | 27.0               |
| 12/26/2008 | 37         | 9.5                       | 27.5               |
| 12/27/2008 | 35         | 7.4                       | 27.6               |
| 12/28/2008 | 33         | 5.6                       | 27.4               |
| 12/29/2008 | 31         | 4.1                       | 26.9               |
| 12/30/2008 | 28         | 1.9                       | 26.1               |
| 12/31/2008 | 25         | 0.0                       | 25.0               |
| 1/1/2009   | 23         | 0.0                       | 23.0               |
| 1/2/2009   | 25         | 2.5                       | 22.5               |
| 1/3/2009   | 27         | 4.7                       | 22.3               |
| 1/4/2009   | 28         | 5.7                       | 22.3               |
| 1/5/2009   | 26         | 3.9                       | 22.1               |
| 1/6/2009   | 24         | 2.4                       | 21.6               |
| 1/7/2009   | 26         | 4.6                       | 21.4               |
| 1/8/2009   | 29         | 7.3                       | 21.7               |
| 1/9/2009   | 28         | 6.1                       | 21.9               |
| 1/10/2009  | 28         | 6.0                       | 22.0               |
| 1/11/2009  | 28         | 6.0                       | 22.0               |
| 1/12/2009  | 28         | 5.9                       | 22.1               |
| 1/13/2009  | 29         | 6.7                       | 22.3               |
| 1/14/2009  | 32         | 9.1                       | 22.9               |
| 1/15/2009  | 33         | 9.5                       | 23.5               |
| 1/16/2009  | 30         | 6.4                       | 23.6               |
| 1/17/2009  | 26         | 2.9                       | 23.1               |
| 1/18/2009  | 25         | 2.4                       | 22.6               |
| 1/19/2009  | 26         | 3.8                       | 22.2               |
| 1/20/2009  | 25         | 3.1                       | 21.9               |
| 1/21/2009  | 21         | 0.0                       | 21.0               |
| 1/22/2009  | 19         | 0.0                       | 19.0               |
| 1/23/2009  | 20         | 1.5                       | 18.5               |
| 1/24/2009  | 22         | 3.7                       | 18.3               |
| 1/25/2009  | 25         | 6.4                       | 18.6               |
| 1/26/2009  | 25         | 6.1                       | 18.9               |
| 1/27/2009  | 26         | 6.8                       | 19.2               |
| 1/28/2009  | 26         | 6.5                       | 19.5               |
| 1/29/2009  | 24         | 4.6                       | 19.4               |
| 1/30/2009  | 29         | 8.9                       | 20.1               |
| 1/31/2009  | 34         | 12.7                      | 21.3               |
| 2/1/2009   | 34         | 11.7                      | 22.3               |
| 2/2/2009   | 34         | 10.8                      | 23.2               |
| 2/3/2009   | 34         | 10.1                      | 23.9               |
| 2/4/2009   | 30         | 6.1                       | 23.9               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/17/2008 | 18         | 2.3                       | 15.7               |
| 12/18/2008 | 18         | 2.3                       | 15.7               |
| 12/19/2008 | 17         | 1.4                       | 15.6               |
| 12/20/2008 | 17         | 1.5                       | 15.5               |
| 12/21/2008 | 17         | 1.6                       | 15.4               |
| 12/22/2008 | 18         | 2.7                       | 15.3               |
| 12/23/2008 | 17         | 1.7                       | 15.3               |
| 12/24/2008 | 16         | 0.9                       | 15.1               |
| 12/25/2008 | 16         | 1.0                       | 15.0               |
| 12/26/2008 | 17         | 2.0                       | 15.0               |
| 12/27/2008 | 17         | 2.1                       | 14.9               |
| 12/28/2008 | 16         | 1.2                       | 14.8               |
| 12/29/2008 | 16         | 1.3                       | 14.7               |
| 12/30/2008 | 16         | 1.4                       | 14.6               |
| 12/31/2008 | 16         | 1.5                       | 14.5               |
| 1/1/2009   | 16         | 1.6                       | 14.4               |
| 1/2/2009   | 16         | 1.6                       | 14.4               |
| 1/3/2009   | 15         | 0.8                       | 14.2               |
| 1/4/2009   | 15         | 0.9                       | 14.1               |
| 1/5/2009   | 14         | 0.0                       | 14.0               |
| 1/6/2009   | 13         | 0.0                       | 13.0               |
| 1/7/2009   | 13         | 0.1                       | 12.9               |
| 1/8/2009   | 13         | 0.2                       | 12.8               |
| 1/9/2009   | 13         | 0.4                       | 12.6               |
| 1/10/2009  | 13         | 0.5                       | 12.5               |
| 1/11/2009  | 13         | 0.6                       | 12.4               |
| 1/12/2009  | 13         | 0.7                       | 12.3               |
| 1/13/2009  | 13         | 0.8                       | 12.2               |
| 1/14/2009  | 15         | 2.8                       | 12.2               |
| 1/15/2009  | 13         | 0.9                       | 12.1               |
| 1/16/2009  | 13         | 0.9                       | 12.1               |
| 1/17/2009  | 13         | 1.0                       | 12.0               |
| 1/18/2009  | 12         | 0.1                       | 11.9               |
| 1/19/2009  | 12         | 0.2                       | 11.8               |
| 1/20/2009  | 12         | 0.3                       | 11.7               |
| 1/21/2009  | 11         | 0.0                       | 11.0               |
| 1/22/2009  | 11         | 0.1                       | 10.9               |
| 1/23/2009  | 14         | 3.1                       | 10.9               |
| 1/24/2009  | 16         | 5.0                       | 11.0               |
| 1/25/2009  | 12         | 1.1                       | 10.9               |
| 1/26/2009  | 12         | 1.1                       | 10.9               |
| 1/27/2009  | 12         | 1.2                       | 10.8               |
| 1/28/2009  | 11         | 0.3                       | 10.7               |
| 1/29/2009  | 11         | 0.4                       | 10.6               |
| 1/30/2009  | 14         | 3.4                       | 10.6               |
| 1/31/2009  | 15         | 4.3                       | 10.7               |
| 2/1/2009   | 14         | 3.3                       | 10.7               |
| 2/2/2009   | 14         | 3.2                       | 10.8               |
| 2/3/2009   | 15         | 4.2                       | 10.8               |
| 2/4/2009   | 14         | 3.2                       | 10.8               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/17/2008 | 44         | 7.6                       | 36.4               |
| 12/18/2008 | 49         | 12.3                      | 36.7               |
| 12/19/2008 | 43         | 6.5                       | 36.5               |
| 12/20/2008 | 41         | 4.9                       | 36.1               |
| 12/21/2008 | 41         | 5.2                       | 35.8               |
| 12/22/2008 | 41         | 5.4                       | 35.6               |
| 12/23/2008 | 43         | 7.6                       | 35.4               |
| 12/24/2008 | 40         | 4.9                       | 35.1               |
| 12/25/2008 | 40         | 5.2                       | 34.8               |
| 12/26/2008 | 42         | 7.3                       | 34.7               |
| 12/27/2008 | 40         | 5.5                       | 34.5               |
| 12/28/2008 | 39         | 4.8                       | 34.2               |
| 12/29/2008 | 39         | 5.1                       | 33.9               |
| 12/30/2008 | 48         | 13.7                      | 34.3               |
| 12/31/2008 | 44         | 9.6                       | 34.4               |
| 1/1/2009   | 43         | 8.6                       | 34.4               |
| 1/2/2009   | 44         | 9.5                       | 34.5               |
| 1/3/2009   | 41         | 6.7                       | 34.3               |
| 1/4/2009   | 39         | 5.0                       | 34.0               |
| 1/5/2009   | 37         | 3.4                       | 33.6               |
| 1/6/2009   | 41         | 7.5                       | 33.5               |
| 1/7/2009   | 41         | 7.5                       | 33.5               |
| 1/8/2009   | 40         | 6.7                       | 33.3               |
| 1/9/2009   | 40         | 6.8                       | 33.2               |
| 1/10/2009  | 37         | 4.1                       | 32.9               |
| 1/11/2009  | 37         | 4.4                       | 32.6               |
| 1/12/2009  | 39         | 6.6                       | 32.4               |
| 1/13/2009  | 41         | 8.5                       | 32.5               |
| 1/14/2009  | 42         | 9.4                       | 32.6               |
| 1/15/2009  | 41         | 8.4                       | 32.6               |
| 1/16/2009  | 41         | 8.4                       | 32.6               |
| 1/17/2009  | 39         | 6.5                       | 32.5               |
| 1/18/2009  | 39         | 6.6                       | 32.4               |
| 1/19/2009  | 39         | 6.7                       | 32.3               |
| 1/20/2009  | 37         | 5.0                       | 32.0               |
| 1/21/2009  | 38         | 6.1                       | 31.9               |
| 1/22/2009  | 36         | 4.4                       | 31.6               |
| 1/23/2009  | 42         | 10.2                      | 31.8               |
| 1/24/2009  | 45         | 12.8                      | 32.2               |
| 1/25/2009  | 41         | 8.8                       | 32.2               |
| 1/26/2009  | 41         | 8.7                       | 32.3               |
| 1/27/2009  | 43         | 10.5                      | 32.5               |
| 1/28/2009  | 43         | 10.4                      | 32.6               |
| 1/29/2009  | 43         | 10.2                      | 32.8               |
| 1/30/2009  | 47         | 13.7                      | 33.3               |
| 1/31/2009  | 41         | 7.8                       | 33.2               |
| 2/1/2009   | 37         | 4.1                       | 32.9               |
| 2/2/2009   | 37         | 4.4                       | 32.6               |
| 2/3/2009   | 37         | 4.7                       | 32.3               |
| 2/4/2009   | 37         | 5.0                       | 32.0               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/5/2009  | 30         | 6.1                       | 23.9               |
| 2/6/2009  | 28         | 4.4                       | 23.6               |
| 2/7/2009  | 24         | 1.1                       | 22.9               |
| 2/8/2009  | 25         | 2.6                       | 22.4               |
| 2/9/2009  | 25         | 3.0                       | 22.0               |
| 2/10/2009 | 25         | 3.4                       | 21.6               |
| 2/11/2009 | 24         | 2.8                       | 21.2               |
| 2/12/2009 | 23         | 2.3                       | 20.7               |
| 2/13/2009 | 22         | 1.8                       | 20.2               |
| 2/14/2009 | 23         | 3.1                       | 19.9               |
| 2/15/2009 | 26         | 6.0                       | 20.0               |
| 2/16/2009 | 28         | 7.6                       | 20.4               |
| 2/17/2009 | 26         | 5.5                       | 20.5               |
| 2/18/2009 | 23         | 2.9                       | 20.1               |
| 2/19/2009 | 22         | 2.3                       | 19.7               |
| 2/20/2009 | 23         | 3.5                       | 19.5               |
| 2/21/2009 | 21         | 2.0                       | 19.0               |
| 2/22/2009 | 20         | 1.5                       | 18.5               |
| 2/23/2009 | 20         | 1.9                       | 18.1               |
| 2/24/2009 | 18         | 0.6                       | 17.4               |
| 2/25/2009 | 18         | 1.1                       | 16.9               |
| 2/26/2009 | 19         | 2.4                       | 16.6               |
| 2/27/2009 | 19         | 2.6                       | 16.4               |
| 2/28/2009 | 19         | 2.8                       | 16.2               |
| 3/1/2009  | 19         | 3.0                       | 16.0               |
| 3/2/2009  | 18         | 2.3                       | 15.7               |
| 3/3/2009  | 16         | 0.8                       | 15.2               |
| 3/4/2009  | 17         | 2.1                       | 14.9               |
| 3/5/2009  | 17         | 2.3                       | 14.7               |
| 3/6/2009  | 16         | 1.6                       | 14.4               |
| 3/7/2009  | 16         | 1.9                       | 14.1               |
| 3/8/2009  | 17         | 3.0                       | 14.0               |
| 3/9/2009  | 17         | 3.1                       | 13.9               |
| 3/10/2009 | 16         | 2.2                       | 13.8               |
| 3/11/2009 | 16         | 2.4                       | 13.6               |
| 3/12/2009 | 17         | 3.4                       | 13.6               |
| 3/13/2009 | 16         | 2.5                       | 13.5               |
| 3/14/2009 | 17         | 3.5                       | 13.5               |
| 3/15/2009 | 19         | 5.2                       | 13.8               |
| 3/16/2009 | 17         | 3.3                       | 13.7               |
| 3/17/2009 | 16         | 2.4                       | 13.6               |
| 3/18/2009 | 16         | 2.6                       | 13.4               |
| 3/19/2009 | 16         | 2.7                       | 13.3               |
| 3/20/2009 | 15         | 1.9                       | 13.1               |
| 3/21/2009 | 17         | 3.8                       | 13.2               |
| 3/22/2009 | 19         | 5.5                       | 13.5               |
| 3/23/2009 | 21         | 6.9                       | 14.1               |
| 3/24/2009 | 21         | 6.4                       | 14.6               |
| 3/25/2009 | 20         | 5.2                       | 14.8               |
| 3/26/2009 | 17         | 2.4                       | 14.6               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/5/2009  | 13         | 2.2                       | 10.8               |
| 2/6/2009  | 13         | 2.2                       | 10.8               |
| 2/7/2009  | 13         | 2.2                       | 10.8               |
| 2/8/2009  | 13         | 2.2                       | 10.8               |
| 2/9/2009  | 20         | 9.0                       | 11.0               |
| 2/10/2009 | 20         | 8.8                       | 11.2               |
| 2/11/2009 | 15         | 3.7                       | 11.3               |
| 2/12/2009 | 14         | 2.7                       | 11.3               |
| 2/13/2009 | 12         | 0.8                       | 11.2               |
| 2/14/2009 | 13         | 1.8                       | 11.2               |
| 2/15/2009 | 13         | 1.9                       | 11.1               |
| 2/16/2009 | 14         | 2.9                       | 11.1               |
| 2/17/2009 | 13         | 1.9                       | 11.1               |
| 2/18/2009 | 13         | 1.9                       | 11.1               |
| 2/19/2009 | 14         | 2.9                       | 11.1               |
| 2/20/2009 | 12         | 1.0                       | 11.0               |
| 2/21/2009 | 11         | 0.1                       | 10.9               |
| 2/22/2009 | 11         | 0.2                       | 10.8               |
| 2/23/2009 | 10         | 0.0                       | 10.0               |
| 2/24/2009 | 10         | 0.1                       | 9.9                |
| 2/25/2009 | 10         | 0.2                       | 9.8                |
| 2/26/2009 | 10         | 0.3                       | 9.7                |
| 2/27/2009 | 11         | 1.3                       | 9.7                |
| 2/28/2009 | 11         | 1.4                       | 9.6                |
| 3/1/2009  | 10         | 0.4                       | 9.6                |
| 3/2/2009  | 10         | 0.5                       | 9.5                |
| 3/3/2009  | 10         | 0.6                       | 9.4                |
| 3/4/2009  | 10         | 0.7                       | 9.3                |
| 3/5/2009  | 10         | 0.7                       | 9.3                |
| 3/6/2009  | 10         | 0.8                       | 9.2                |
| 3/7/2009  | 10         | 0.8                       | 9.2                |
| 3/8/2009  | 10         | 0.9                       | 9.1                |
| 3/9/2009  | 10         | 0.9                       | 9.1                |
| 3/10/2009 | 10         | 1.0                       | 9.0                |
| 3/11/2009 | 10         | 1.0                       | 9.0                |
| 3/12/2009 | 9.9        | 1.0                       | 8.9                |
| 3/13/2009 | 9.9        | 1.0                       | 8.9                |
| 3/14/2009 | 9.7        | 0.9                       | 8.8                |
| 3/15/2009 | 9.7        | 0.9                       | 8.8                |
| 3/16/2009 | 9.5        | 0.8                       | 8.7                |
| 3/17/2009 | 9.4        | 0.8                       | 8.6                |
| 3/18/2009 | 9.2        | 0.6                       | 8.6                |
| 3/19/2009 | 9.2        | 0.7                       | 8.5                |
| 3/20/2009 | 9.1        | 0.6                       | 8.5                |
| 3/21/2009 | 9.5        | 1.1                       | 8.4                |
| 3/22/2009 | 10         | 1.6                       | 8.4                |
| 3/23/2009 | 11         | 2.6                       | 8.4                |
| 3/24/2009 | 10         | 1.6                       | 8.4                |
| 3/25/2009 | 9.4        | 1.0                       | 8.4                |
| 3/26/2009 | 9.2        | 0.9                       | 8.3                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 2/5/2009  | 36         | 4.3                       | 31.7               |
| 2/6/2009  | 49         | 16.6                      | 32.4               |
| 2/7/2009  | 100        | 63.2                      | 36.8               |
| 2/8/2009  | 60         | 22.1                      | 37.9               |
| 2/9/2009  | 44         | 6.4                       | 37.6               |
| 2/10/2009 | 40         | 2.9                       | 37.1               |
| 2/11/2009 | 39         | 2.4                       | 36.6               |
| 2/12/2009 | 34         | 0.0                       | 34.0               |
| 2/13/2009 | 40         | 6.2                       | 33.8               |
| 2/14/2009 | 40         | 6.4                       | 33.6               |
| 2/15/2009 | 40         | 6.5                       | 33.5               |
| 2/16/2009 | 42         | 8.5                       | 33.5               |
| 2/17/2009 | 40         | 6.6                       | 33.4               |
| 2/18/2009 | 40         | 6.8                       | 33.2               |
| 2/19/2009 | 39         | 6.0                       | 33.0               |
| 2/20/2009 | 36         | 3.3                       | 32.7               |
| 2/21/2009 | 36         | 3.7                       | 32.3               |
| 2/22/2009 | 35         | 3.1                       | 31.9               |
| 2/23/2009 | 35         | 3.5                       | 31.5               |
| 2/24/2009 | 33         | 1.9                       | 31.1               |
| 2/25/2009 | 34         | 3.3                       | 30.7               |
| 2/26/2009 | 37         | 6.4                       | 30.6               |
| 2/27/2009 | 37         | 6.5                       | 30.5               |
| 2/28/2009 | 35         | 4.7                       | 30.3               |
| 3/1/2009  | 35         | 4.9                       | 30.1               |
| 3/2/2009  | 33         | 3.3                       | 29.7               |
| 3/3/2009  | 35         | 5.4                       | 29.6               |
| 3/4/2009  | 33         | 3.7                       | 29.3               |
| 3/5/2009  | 36         | 6.8                       | 29.2               |
| 3/6/2009  | 36         | 6.8                       | 29.2               |
| 3/7/2009  | 36         | 6.8                       | 29.2               |
| 3/8/2009  | 32         | 3.2                       | 28.8               |
| 3/9/2009  | 33         | 4.4                       | 28.6               |
| 3/10/2009 | 38         | 9.2                       | 28.8               |
| 3/11/2009 | 37         | 8.2                       | 28.8               |
| 3/12/2009 | 39         | 9.9                       | 29.1               |
| 3/13/2009 | 37         | 7.9                       | 29.1               |
| 3/14/2009 | 36         | 6.9                       | 29.1               |
| 3/15/2009 | 34         | 5.1                       | 28.9               |
| 3/16/2009 | 36         | 7.1                       | 28.9               |
| 3/17/2009 | 43         | 13.6                      | 29.4               |
| 3/18/2009 | 40         | 10.4                      | 29.6               |
| 3/19/2009 | 39         | 9.2                       | 29.8               |
| 3/20/2009 | 34         | 4.4                       | 29.6               |
| 3/21/2009 | 41         | 11.1                      | 29.9               |
| 3/22/2009 | 41         | 10.9                      | 30.1               |
| 3/23/2009 | 47         | 16.2                      | 30.8               |
| 3/24/2009 | 42         | 10.9                      | 31.1               |
| 3/25/2009 | 38         | 7.0                       | 31.0               |
| 3/26/2009 | 39         | 8.0                       | 31.0               |



## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/27/2009 | 16         | 1.7                       | 14.3               |
| 3/28/2009 | 16         | 2.0                       | 14.0               |
| 3/29/2009 | 18         | 3.9                       | 14.1               |
| 3/30/2009 | 19         | 4.7                       | 14.3               |
| 3/31/2009 | 19         | 4.6                       | 14.4               |
| 4/1/2009  | 22         | 7.0                       | 15.0               |
| 4/2/2009  | 23         | 7.4                       | 15.6               |
| 4/3/2009  | 25         | 8.7                       | 16.3               |
| 4/4/2009  | 30         | 12.3                      | 17.7               |
| 4/5/2009  | 28         | 9.5                       | 18.5               |
| 4/6/2009  | 25         | 6.3                       | 18.7               |
| 4/7/2009  | 22         | 3.5                       | 18.5               |
| 4/8/2009  | 20         | 1.9                       | 18.1               |
| 4/9/2009  | 19         | 1.4                       | 17.6               |
| 4/10/2009 | 17         | 0.1                       | 16.9               |
| 4/11/2009 | 16         | 0.0                       | 16.0               |
| 4/12/2009 | 16         | 0.6                       | 15.4               |
| 4/13/2009 | 15         | 0.1                       | 14.9               |
| 4/14/2009 | 17         | 2.4                       | 14.6               |
| 4/15/2009 | 18         | 3.4                       | 14.6               |
| 4/16/2009 | 19         | 4.3                       | 14.7               |
| 4/17/2009 | 18         | 3.4                       | 14.6               |
| 4/18/2009 | 17         | 2.5                       | 14.5               |
| 4/19/2009 | 17         | 2.7                       | 14.3               |
| 4/20/2009 | 16         | 1.9                       | 14.1               |
| 4/21/2009 | 14         | 0.4                       | 13.6               |
| 4/22/2009 | 15         | 1.7                       | 13.3               |
| 4/23/2009 | 14         | 1.1                       | 12.9               |
| 4/24/2009 | 12         | 0.0                       | 12.0               |
| 4/25/2009 | 11         | 0.0                       | 11.0               |
| 4/26/2009 | 13         | 2.1                       | 10.9               |
| 4/27/2009 | 13         | 2.2                       | 10.8               |
| 4/28/2009 | 12         | 1.4                       | 10.6               |
| 4/29/2009 | 12         | 1.6                       | 10.4               |
| 4/30/2009 | 12         | 1.7                       | 10.3               |
| 5/1/2009  | 12         | 1.8                       | 10.2               |
| 5/2/2009  | 11         | 1.1                       | 9.9                |
| 5/3/2009  | 12         | 2.1                       | 9.9                |
| 5/4/2009  | 12         | 2.2                       | 9.8                |
| 5/5/2009  | 12         | 2.2                       | 9.8                |
| 5/6/2009  | 10         | 0.5                       | 9.5                |
| 5/7/2009  | 9.5        | 0.3                       | 9.2                |
| 5/8/2009  | 9.5        | 0.6                       | 8.9                |
| 5/9/2009  | 9.8        | 1.1                       | 8.7                |
| 5/10/2009 | 11         | 2.3                       | 8.7                |
| 5/11/2009 | 12         | 3.1                       | 8.9                |
| 5/12/2009 | 11         | 2.1                       | 8.9                |
| 5/13/2009 | 11         | 2.1                       | 8.9                |
| 5/14/2009 | 13         | 3.9                       | 9.1                |
| 5/15/2009 | 12         | 2.8                       | 9.2                |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/27/2009 | 9          | 0.7                       | 8.3                |
| 3/28/2009 | 8.9        | 0.7                       | 8.2                |
| 3/29/2009 | 8.9        | 0.8                       | 8.1                |
| 3/30/2009 | 9          | 0.9                       | 8.1                |
| 3/31/2009 | 8.5        | 0.5                       | 8.0                |
| 4/1/2009  | 8.2        | 0.2                       | 8.0                |
| 4/2/2009  | 8          | 0.1                       | 7.9                |
| 4/3/2009  | 7.9        | 0.1                       | 7.8                |
| 4/4/2009  | 7.8        | 0.1                       | 7.7                |
| 4/5/2009  | 7.4        | 0.0                       | 7.4                |
| 4/6/2009  | 7.2        | 0.0                       | 7.2                |
| 4/7/2009  | 7.2        | 0.1                       | 7.1                |
| 4/8/2009  | 7          | 0.0                       | 7.0                |
| 4/9/2009  | 6.9        | 0.0                       | 6.9                |
| 4/10/2009 | 6.8        | 0.0                       | 6.8                |
| 4/11/2009 | 6.8        | 0.1                       | 6.7                |
| 4/12/2009 | 6.7        | 0.0                       | 6.7                |
| 4/13/2009 | 6.6        | 0.0                       | 6.6                |
| 4/14/2009 | 7.1        | 0.5                       | 6.6                |
| 4/15/2009 | 7.5        | 1.0                       | 6.5                |
| 4/16/2009 | 7          | 0.5                       | 6.5                |
| 4/17/2009 | 6.8        | 0.4                       | 6.4                |
| 4/18/2009 | 6.7        | 0.3                       | 6.4                |
| 4/19/2009 | 6.9        | 0.6                       | 6.3                |
| 4/20/2009 | 7          | 0.7                       | 6.3                |
| 4/21/2009 | 6.8        | 0.5                       | 6.3                |
| 4/22/2009 | 6.6        | 0.4                       | 6.2                |
| 4/23/2009 | 6.4        | 0.2                       | 6.2                |
| 4/24/2009 | 6.6        | 0.5                       | 6.1                |
| 4/25/2009 | 6.6        | 0.5                       | 6.1                |
| 4/26/2009 | 6.5        | 0.5                       | 6.0                |
| 4/27/2009 | 6.5        | 0.5                       | 6.0                |
| 4/28/2009 | 6.4        | 0.4                       | 6.0                |
| 4/29/2009 | 6.3        | 0.4                       | 5.9                |
| 4/30/2009 | 6.3        | 0.4                       | 5.9                |
| 5/1/2009  | 6.3        | 0.5                       | 5.8                |
| 5/2/2009  | 6.2        | 0.4                       | 5.8                |
| 5/3/2009  | 6.2        | 0.5                       | 5.7                |
| 5/4/2009  | 6.1        | 0.4                       | 5.7                |
| 5/5/2009  | 6          | 0.3                       | 5.7                |
| 5/6/2009  | 5.9        | 0.3                       | 5.6                |
| 5/7/2009  | 5.9        | 0.3                       | 5.6                |
| 5/8/2009  | 5.8        | 0.3                       | 5.5                |
| 5/9/2009  | 5.7        | 0.2                       | 5.5                |
| 5/10/2009 | 5.6        | 0.2                       | 5.4                |
| 5/11/2009 | 5.6        | 0.2                       | 5.4                |
| 5/12/2009 | 5.5        | 0.2                       | 5.3                |
| 5/13/2009 | 5.8        | 0.5                       | 5.3                |
| 5/14/2009 | 5.8        | 0.5                       | 5.3                |
| 5/15/2009 | 5.8        | 0.6                       | 5.2                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/27/2009 | 38         | 7.0                       | 31.0               |
| 3/28/2009 | 36         | 5.2                       | 30.8               |
| 3/29/2009 | 34         | 3.6                       | 30.4               |
| 3/30/2009 | 35         | 4.8                       | 30.2               |
| 3/31/2009 | 39         | 8.7                       | 30.3               |
| 4/1/2009  | 39         | 8.6                       | 30.4               |
| 4/2/2009  | 39         | 8.5                       | 30.5               |
| 4/3/2009  | 37         | 6.6                       | 30.4               |
| 4/4/2009  | 39         | 8.5                       | 30.5               |
| 4/5/2009  | 36         | 5.7                       | 30.3               |
| 4/6/2009  | 35         | 4.9                       | 30.1               |
| 4/7/2009  | 32         | 2.3                       | 29.7               |
| 4/8/2009  | 28         | 0.0                       | 28.0               |
| 4/9/2009  | 29         | 1.4                       | 27.6               |
| 4/10/2009 | 27         | 0.0                       | 27.0               |
| 4/11/2009 | 29         | 2.4                       | 26.6               |
| 4/12/2009 | 27         | 0.8                       | 26.2               |
| 4/13/2009 | 27         | 1.2                       | 25.8               |
| 4/14/2009 | 30         | 4.4                       | 25.6               |
| 4/15/2009 | 29         | 3.6                       | 25.4               |
| 4/16/2009 | 28         | 2.9                       | 25.1               |
| 4/17/2009 | 25         | 0.4                       | 24.6               |
| 4/18/2009 | 26         | 1.7                       | 24.3               |
| 4/19/2009 | 24         | 0.2                       | 23.8               |
| 4/20/2009 | 23         | 0.0                       | 23.0               |
| 4/21/2009 | 26         | 3.2                       | 22.8               |
| 4/22/2009 | 24         | 1.5                       | 22.5               |
| 4/23/2009 | 31         | 8.3                       | 22.7               |
| 4/24/2009 | 32         | 9.0                       | 23.0               |
| 4/25/2009 | 35         | 11.6                      | 23.4               |
| 4/26/2009 | 34         | 10.2                      | 23.8               |
| 4/27/2009 | 34         | 9.9                       | 24.1               |
| 4/28/2009 | 35         | 10.6                      | 24.4               |
| 4/29/2009 | 33         | 8.4                       | 24.6               |
| 4/30/2009 | 37         | 11.9                      | 25.1               |
| 5/1/2009  | 35         | 9.6                       | 25.4               |
| 5/2/2009  | 37         | 11.2                      | 25.8               |
| 5/3/2009  | 37         | 10.9                      | 26.1               |
| 5/4/2009  | 35         | 8.7                       | 26.3               |
| 5/5/2009  | 38         | 11.3                      | 26.7               |
| 5/6/2009  | 39         | 11.9                      | 27.1               |
| 5/7/2009  | 39         | 11.5                      | 27.5               |
| 5/8/2009  | 38         | 10.3                      | 27.7               |
| 5/9/2009  | 40         | 11.9                      | 28.1               |
| 5/10/2009 | 37         | 8.7                       | 28.3               |
| 5/11/2009 | 38         | 9.5                       | 28.5               |
| 5/12/2009 | 40         | 11.2                      | 28.8               |
| 5/13/2009 | 41         | 11.8                      | 29.2               |
| 5/14/2009 | 47         | 17.1                      | 29.9               |
| 5/15/2009 | 44         | 13.6                      | 30.4               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/16/2009 | 12         | 2.7                       | 9.3                |
| 5/17/2009 | 14         | 4.4                       | 9.6                |
| 5/18/2009 | 21         | 10.2                      | 10.8               |
| 5/19/2009 | 55         | 38.4                      | 16.6               |
| 5/20/2009 | 150        | 115.6                     | 34.4               |
| 5/21/2009 | 100        | 57.7                      | 42.3               |
| 5/22/2009 | 75         | 29.7                      | 45.3               |
| 5/23/2009 | 115        | 61.6                      | 53.4               |
| 5/24/2009 | 85         | 29.1                      | 55.9               |
| 5/25/2009 | 78         | 21.0                      | 57.0               |
| 5/26/2009 | 81         | 22.6                      | 58.4               |
| 5/27/2009 | 135        | 68.1                      | 66.9               |
| 5/28/2009 | 207        | 123.1                     | 83.9               |
| 5/29/2009 | 248        | 144.3                     | 103.7              |
| 5/30/2009 | 253        | 132.3                     | 120.7              |
| 5/31/2009 | 193        | 66.5                      | 126.5              |
| 6/1/2009  | 136        | 12.6                      | 123.4              |
| 6/2/2009  | 106        | 0.0                       | 106.0              |
| 6/3/2009  | 96         | 0.0                       | 96.0               |
| 6/4/2009  | 113        | 18.0                      | 95.0               |
| 6/5/2009  | 187        | 82.6                      | 104.4              |
| 6/6/2009  | 224        | 106.7                     | 117.3              |
| 6/7/2009  | 223        | 95.1                      | 127.9              |
| 6/8/2009  | 249        | 108.8                     | 140.2              |
| 6/9/2009  | 257        | 105.6                     | 151.4              |
| 6/10/2009 | 194        | 41.9                      | 152.1              |
| 6/11/2009 | 148        | 1.7                       | 146.3              |
| 6/12/2009 | 115        | 0.0                       | 115.0              |
| 6/13/2009 | 95         | 0.0                       | 95.0               |
| 6/14/2009 | 86         | 0.0                       | 86.0               |
| 6/15/2009 | 75         | 0.0                       | 75.0               |
| 6/16/2009 | 69         | 0.0                       | 69.0               |
| 6/17/2009 | 63         | 0.0                       | 63.0               |
| 6/18/2009 | 58         | 0.0                       | 58.0               |
| 6/19/2009 | 56         | 0.3                       | 55.7               |
| 6/20/2009 | 53         | 0.0                       | 53.0               |
| 6/21/2009 | 50         | 0.0                       | 50.0               |
| 6/22/2009 | 46         | 0.0                       | 46.0               |
| 6/23/2009 | 55         | 9.3                       | 45.7               |
| 6/24/2009 | 75         | 26.9                      | 48.1               |
| 6/25/2009 | 71         | 21.4                      | 49.6               |
| 6/26/2009 | 88         | 34.8                      | 53.2               |
| 6/27/2009 | 120        | 59.4                      | 60.6               |
| 6/28/2009 | 129        | 61.1                      | 67.9               |
| 6/29/2009 | 117        | 44.6                      | 72.4               |
| 6/30/2009 | 179        | 94.4                      | 84.6               |
| 7/1/2009  | 309        | 196.4                     | 112.6              |
| 7/2/2009  | 318        | 180.9                     | 137.1              |
| 7/3/2009  | 266        | 115.9                     | 150.1              |
| 7/4/2009  | 220        | 65.4                      | 154.6              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/16/2009 | 5.8        | 0.6                       | 5.2                |
| 5/17/2009 | 5.7        | 0.5                       | 5.2                |
| 5/18/2009 | 6.4        | 1.2                       | 5.2                |
| 5/19/2009 | 18         | 12.4                      | 5.6                |
| 5/20/2009 | 25         | 18.7                      | 6.3                |
| 5/21/2009 | 29         | 21.9                      | 7.1                |
| 5/22/2009 | 29         | 21.1                      | 7.9                |
| 5/23/2009 | 33         | 24.2                      | 8.8                |
| 5/24/2009 | 30         | 20.5                      | 9.5                |
| 5/25/2009 | 27         | 16.9                      | 10.1               |
| 5/26/2009 | 23         | 12.5                      | 10.5               |
| 5/27/2009 | 32         | 20.8                      | 11.2               |
| 5/28/2009 | 58         | 45.1                      | 12.9               |
| 5/29/2009 | 72         | 56.9                      | 15.1               |
| 5/30/2009 | 61         | 44.3                      | 16.7               |
| 5/31/2009 | 49         | 31.2                      | 17.8               |
| 6/1/2009  | 38         | 19.6                      | 18.4               |
| 6/2/2009  | 31         | 12.3                      | 18.7               |
| 6/3/2009  | 27         | 8.2                       | 18.8               |
| 6/4/2009  | 24         | 5.2                       | 18.8               |
| 6/5/2009  | 27         | 8.0                       | 19.0               |
| 6/6/2009  | 33         | 13.7                      | 19.3               |
| 6/7/2009  | 39         | 19.1                      | 19.9               |
| 6/8/2009  | 75         | 53.2                      | 21.8               |
| 6/9/2009  | 149        | 122.5                     | 26.5               |
| 6/10/2009 | 110        | 80.5                      | 29.5               |
| 6/11/2009 | 74         | 43.1                      | 30.9               |
| 6/12/2009 | 56         | 24.4                      | 31.6               |
| 6/13/2009 | 44         | 12.3                      | 31.7               |
| 6/14/2009 | 39         | 7.3                       | 31.7               |
| 6/15/2009 | 34         | 2.5                       | 31.5               |
| 6/16/2009 | 36         | 4.6                       | 31.4               |
| 6/17/2009 | 34         | 2.8                       | 31.2               |
| 6/18/2009 | 30         | 0.0                       | 30.0               |
| 6/19/2009 | 27         | 0.0                       | 27.0               |
| 6/20/2009 | 25         | 0.0                       | 25.0               |
| 6/21/2009 | 23         | 0.0                       | 23.0               |
| 6/22/2009 | 21         | 0.0                       | 21.0               |
| 6/23/2009 | 20         | 0.0                       | 20.0               |
| 6/24/2009 | 19         | 0.0                       | 19.0               |
| 6/25/2009 | 22         | 3.1                       | 18.9               |
| 6/26/2009 | 25         | 6.0                       | 19.0               |
| 6/27/2009 | 24         | 5.0                       | 19.0               |
| 6/28/2009 | 20         | 1.1                       | 18.9               |
| 6/29/2009 | 21         | 2.2                       | 18.8               |
| 6/30/2009 | 24         | 5.2                       | 18.8               |
| 7/1/2009  | 26         | 7.1                       | 18.9               |
| 7/2/2009  | 27         | 8.0                       | 19.0               |
| 7/3/2009  | 25         | 6.0                       | 19.1               |
| 7/4/2009  | 27         | 7.8                       | 19.2               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/16/2009 | 44         | 13.1                      | 30.9               |
| 5/17/2009 | 41         | 9.9                       | 31.1               |
| 5/18/2009 | 52         | 20.0                      | 32.0               |
| 5/19/2009 | 148        | 108.0                     | 40.0               |
| 5/20/2009 | 307        | 247.9                     | 59.1               |
| 5/21/2009 | 211        | 141.8                     | 69.2               |
| 5/22/2009 | 109        | 38.1                      | 70.9               |
| 5/23/2009 | 152        | 76.4                      | 75.6               |
| 5/24/2009 | 125        | 47.2                      | 77.8               |
| 5/25/2009 | 91         | 13.6                      | 77.4               |
| 5/26/2009 | 109        | 30.7                      | 78.3               |
| 5/27/2009 | 204        | 117.9                     | 86.1               |
| 5/28/2009 | 193        | 100.5                     | 92.5               |
| 5/29/2009 | 189        | 91.1                      | 97.9               |
| 5/30/2009 | 233        | 126.9                     | 106.1              |
| 5/31/2009 | 150        | 42.6                      | 107.4              |
| 6/1/2009  | 101        | 0.0                       | 101.0              |
| 6/2/2009  | 79         | 0.0                       | 79.0               |
| 6/3/2009  | 68         | 0.0                       | 68.0               |
| 6/4/2009  | 61         | 0.0                       | 61.0               |
| 6/5/2009  | 61         | 1.1                       | 59.9               |
| 6/6/2009  | 77         | 17.0                      | 60.0               |
| 6/7/2009  | 93         | 31.6                      | 61.4               |
| 6/8/2009  | 220        | 148.0                     | 72.0               |
| 6/9/2009  | 369        | 276.4                     | 92.6               |
| 6/10/2009 | 233        | 131.7                     | 101.3              |
| 6/11/2009 | 151        | 47.9                      | 103.1              |
| 6/12/2009 | 111        | 9.2                       | 101.8              |
| 6/13/2009 | 89         | 0.0                       | 89.0               |
| 6/14/2009 | 78         | 0.0                       | 78.0               |
| 6/15/2009 | 71         | 0.0                       | 71.0               |
| 6/16/2009 | 71         | 1.3                       | 69.7               |
| 6/17/2009 | 61         | 0.0                       | 61.0               |
| 6/18/2009 | 62         | 2.1                       | 59.9               |
| 6/19/2009 | 60         | 1.2                       | 58.8               |
| 6/20/2009 | 72         | 13.3                      | 58.7               |
| 6/21/2009 | 69         | 10.6                      | 58.4               |
| 6/22/2009 | 65         | 7.2                       | 57.8               |
| 6/23/2009 | 70         | 12.4                      | 57.6               |
| 6/24/2009 | 78         | 19.9                      | 58.1               |
| 6/25/2009 | 81         | 22.3                      | 58.7               |
| 6/26/2009 | 75         | 16.2                      | 58.8               |
| 6/27/2009 | 77         | 17.9                      | 59.1               |
| 6/28/2009 | 73         | 14.0                      | 59.0               |
| 6/29/2009 | 79         | 19.6                      | 59.4               |
| 6/30/2009 | 152        | 86.8                      | 65.2               |
| 7/1/2009  | 258        | 179.8                     | 78.2               |
| 7/2/2009  | 266        | 175.3                     | 90.7               |
| 7/3/2009  | 253        | 152.0                     | 101.0              |
| 7/4/2009  | 187        | 81.5                      | 105.5              |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/5/2009  | 212        | 54.8                      | 157.2              |
| 7/6/2009  | 217        | 57.0                      | 160.0              |
| 7/7/2009  | 184        | 26.2                      | 157.8              |
| 7/8/2009  | 126        | 0.0                       | 126.0              |
| 7/9/2009  | 109        | 0.0                       | 109.0              |
| 7/10/2009 | 201        | 83.1                      | 117.9              |
| 7/11/2009 | 516        | 347.2                     | 168.8              |
| 7/12/2009 | 662        | 431.0                     | 231.0              |
| 7/13/2009 | 576        | 305.4                     | 270.6              |
| 7/14/2009 | 444        | 158.8                     | 285.2              |
| 7/15/2009 | 347        | 63.1                      | 283.9              |
| 7/16/2009 | 277        | 3.9                       | 273.1              |
| 7/17/2009 | 204        | 0.0                       | 204.0              |
| 7/18/2009 | 172        | 0.0                       | 172.0              |
| 7/19/2009 | 202        | 31.8                      | 170.2              |
| 7/20/2009 | 287        | 106.6                     | 180.4              |
| 7/21/2009 | 247        | 63.6                      | 183.4              |
| 7/22/2009 | 181        | 4.3                       | 176.7              |
| 7/23/2009 | 138        | 0.0                       | 138.0              |
| 7/24/2009 | 112        | 0.0                       | 112.0              |
| 7/25/2009 | 103        | 0.0                       | 103.0              |
| 7/26/2009 | 105        | 5.3                       | 99.7               |
| 7/27/2009 | 115        | 16.6                      | 98.4               |
| 7/28/2009 | 132        | 32.4                      | 99.6               |
| 7/29/2009 | 155        | 51.2                      | 103.8              |
| 7/30/2009 | 325        | 194.2                     | 130.8              |
| 7/31/2009 | 453        | 282.3                     | 170.7              |
| 8/1/2009  | 303        | 119.9                     | 183.1              |
| 8/2/2009  | 245        | 59.7                      | 185.3              |
| 8/3/2009  | 292        | 98.4                      | 193.6              |
| 8/4/2009  | 319        | 114.8                     | 204.2              |
| 8/5/2009  | 284        | 75.8                      | 208.2              |
| 8/6/2009  | 262        | 53.6                      | 208.4              |
| 8/7/2009  | 253        | 45.6                      | 207.4              |
| 8/8/2009  | 228        | 24.9                      | 203.1              |
| 8/9/2009  | 180        | 0.0                       | 180.0              |
| 8/10/2009 | 133        | 0.0                       | 133.0              |
| 8/11/2009 | 104        | 0.0                       | 104.0              |
| 8/12/2009 | 91         | 0.0                       | 91.0               |
| 8/13/2009 | 83         | 0.0                       | 83.0               |
| 8/14/2009 | 106        | 22.7                      | 83.0               |
| 8/15/2009 | 178        | 84.5                      | 93.5               |
| 8/16/2009 | 170        | 69.2                      | 100.8              |
| 8/17/2009 | 136        | 33.8                      | 102.2              |
| 8/18/2009 | 114        | 13.7                      | 100.3              |
| 8/19/2009 | 99         | 2.3                       | 96.7               |
| 8/20/2009 | 91         | 0.0                       | 91.0               |
| 8/21/2009 | 83         | 0.0                       | 83.0               |
| 8/22/2009 | 74         | 0.0                       | 74.0               |
| 8/23/2009 | 71         | 0.0                       | 71.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/5/2009  | 31         | 11.6                      | 19.4               |
| 7/6/2009  | 44         | 23.8                      | 20.2               |
| 7/7/2009  | 45         | 24.0                      | 21.0               |
| 7/8/2009  | 41         | 19.5                      | 21.5               |
| 7/9/2009  | 43         | 20.9                      | 22.1               |
| 7/10/2009 | 46         | 23.1                      | 22.9               |
| 7/11/2009 | 38         | 14.8                      | 23.2               |
| 7/12/2009 | 46         | 22.1                      | 23.9               |
| 7/13/2009 | 57         | 32.1                      | 24.9               |
| 7/14/2009 | 57         | 31.1                      | 25.9               |
| 7/15/2009 | 47         | 20.5                      | 26.5               |
| 7/16/2009 | 41         | 14.2                      | 26.8               |
| 7/17/2009 | 36         | 9.1                       | 26.9               |
| 7/18/2009 | 32         | 5.2                       | 26.8               |
| 7/19/2009 | 31         | 4.3                       | 26.7               |
| 7/20/2009 | 53         | 25.5                      | 27.5               |
| 7/21/2009 | 53         | 24.8                      | 28.2               |
| 7/22/2009 | 41         | 12.6                      | 28.4               |
| 7/23/2009 | 34         | 5.7                       | 28.3               |
| 7/24/2009 | 28         | 0.0                       | 28.0               |
| 7/25/2009 | 24         | 0.0                       | 24.0               |
| 7/26/2009 | 30         | 6.0                       | 24.0               |
| 7/27/2009 | 72         | 46.4                      | 25.6               |
| 7/28/2009 | 43         | 17.0                      | 26.0               |
| 7/29/2009 | 34         | 7.9                       | 26.1               |
| 7/30/2009 | 32         | 5.9                       | 26.1               |
| 7/31/2009 | 37         | 10.8                      | 26.2               |
| 8/1/2009  | 38         | 11.6                      | 26.4               |
| 8/2/2009  | 40         | 13.3                      | 26.7               |
| 8/3/2009  | 55         | 27.5                      | 27.5               |
| 8/4/2009  | 204        | 169.9                     | 34.1               |
| 8/5/2009  | 153        | 114.7                     | 38.3               |
| 8/6/2009  | 176        | 132.8                     | 43.2               |
| 8/7/2009  | 210        | 160.8                     | 49.2               |
| 8/8/2009  | 136        | 83.9                      | 52.1               |
| 8/9/2009  | 90         | 36.9                      | 53.1               |
| 8/10/2009 | 67         | 13.9                      | 53.1               |
| 8/11/2009 | 52         | 0.0                       | 52.0               |
| 8/12/2009 | 42         | 0.0                       | 42.0               |
| 8/13/2009 | 35         | 0.0                       | 35.0               |
| 8/14/2009 | 32         | 0.0                       | 32.0               |
| 8/15/2009 | 33         | 1.3                       | 31.7               |
| 8/16/2009 | 36         | 4.4                       | 31.6               |
| 8/17/2009 | 32         | 0.7                       | 31.3               |
| 8/18/2009 | 28         | 0.0                       | 28.0               |
| 8/19/2009 | 28         | 0.3                       | 27.7               |
| 8/20/2009 | 29         | 1.5                       | 27.5               |
| 8/21/2009 | 29         | 1.7                       | 27.3               |
| 8/22/2009 | 35         | 7.7                       | 27.3               |
| 8/23/2009 | 35         | 7.6                       | 27.4               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/5/2009  | 145        | 38.5                      | 106.5              |
| 7/6/2009  | 200        | 88.5                      | 111.5              |
| 7/7/2009  | 225        | 107.2                     | 117.8              |
| 7/8/2009  | 168        | 48.7                      | 119.3              |
| 7/9/2009  | 138        | 19.5                      | 118.5              |
| 7/10/2009 | 154        | 35.1                      | 118.9              |
| 7/11/2009 | 397        | 259.7                     | 137.3              |
| 7/12/2009 | 657        | 483.7                     | 173.3              |
| 7/13/2009 | 544        | 346.5                     | 197.5              |
| 7/14/2009 | 343        | 138.3                     | 204.7              |
| 7/15/2009 | 229        | 26.3                      | 207.7              |
| 7/16/2009 | 182        | 0.0                       | 182.0              |
| 7/17/2009 | 156        | 0.0                       | 156.0              |
| 7/18/2009 | 129        | 0.0                       | 129.0              |
| 7/19/2009 | 113        | 0.0                       | 113.0              |
| 7/20/2009 | 148        | 34.5                      | 113.5              |
| 7/21/2009 | 122        | 10.0                      | 112.0              |
| 7/22/2009 | 77         | 0.0                       | 77.0               |
| 7/23/2009 | 69         | 0.0                       | 69.0               |
| 7/24/2009 | 67         | 0.0                       | 67.0               |
| 7/25/2009 | 64         | 0.0                       | 64.0               |
| 7/26/2009 | 64         | 1.2                       | 62.8               |
| 7/27/2009 | 64         | 2.3                       | 61.7               |
| 7/28/2009 | 70         | 8.8                       | 61.2               |
| 7/29/2009 | 85         | 23.2                      | 61.8               |
| 7/30/2009 | 121        | 55.9                      | 65.1               |
| 7/31/2009 | 164        | 92.8                      | 71.2               |
| 8/1/2009  | 299        | 212.2                     | 86.8               |
| 8/2/2009  | 219        | 124.1                     | 94.9               |
| 8/3/2009  | 159        | 61.1                      | 97.9               |
| 8/4/2009  | 143        | 43.5                      | 99.5               |
| 8/5/2009  | 130        | 30.1                      | 99.9               |
| 8/6/2009  | 147        | 45.5                      | 101.5              |
| 8/7/2009  | 93         | 0.0                       | 93.0               |
| 8/8/2009  | 72         | 0.0                       | 72.0               |
| 8/9/2009  | 64         | 0.0                       | 64.0               |
| 8/10/2009 | 58         | 0.0                       | 58.0               |
| 8/11/2009 | 53         | 0.0                       | 53.0               |
| 8/12/2009 | 50         | 0.0                       | 50.0               |
| 8/13/2009 | 51         | 1.9                       | 49.1               |
| 8/14/2009 | 62         | 12.8                      | 49.2               |
| 8/15/2009 | 136        | 81.3                      | 54.7               |
| 8/16/2009 | 132        | 72.6                      | 59.4               |
| 8/17/2009 | 102        | 40.5                      | 61.5               |
| 8/18/2009 | 76         | 14.6                      | 61.4               |
| 8/19/2009 | 70         | 9.1                       | 60.9               |
| 8/20/2009 | 97         | 34.5                      | 62.5               |
| 8/21/2009 | 105        | 40.5                      | 64.5               |
| 8/22/2009 | 101        | 35.0                      | 66.0               |
| 8/23/2009 | 81         | 15.1                      | 65.9               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/24/2009  | 72         | 3.3                       | 68.7               |
| 8/25/2009  | 84         | 15.6                      | 68.4               |
| 8/26/2009  | 93         | 23.5                      | 69.5               |
| 8/27/2009  | 77         | 8.9                       | 68.1               |
| 8/28/2009  | 65         | 0.0                       | 65.0               |
| 8/29/2009  | 63         | 0.5                       | 62.5               |
| 8/30/2009  | 68         | 6.9                       | 61.1               |
| 8/31/2009  | 83         | 21.0                      | 62.0               |
| 9/1/2009   | 107        | 40.9                      | 66.1               |
| 9/2/2009   | 158        | 81.5                      | 76.5               |
| 9/3/2009   | 209        | 116.9                     | 92.1               |
| 9/4/2009   | 250        | 139.3                     | 110.7              |
| 9/5/2009   | 215        | 93.7                      | 121.3              |
| 9/6/2009   | 188        | 61.7                      | 126.3              |
| 9/7/2009   | 195        | 63.6                      | 131.4              |
| 9/8/2009   | 181        | 47.3                      | 133.7              |
| 9/9/2009   | 145        | 14.3                      | 130.7              |
| 9/10/2009  | 118        | 0.0                       | 118.0              |
| 9/11/2009  | 115        | 1.5                       | 113.5              |
| 9/12/2009  | 107        | 0.0                       | 107.0              |
| 9/13/2009  | 99         | 0.0                       | 99.0               |
| 9/14/2009  | 94         | 0.0                       | 94.0               |
| 9/15/2009  | 86         | 0.0                       | 86.0               |
| 9/16/2009  | 78         | 0.0                       | 78.0               |
| 9/17/2009  | 68         | 0.0                       | 68.0               |
| 9/18/2009  | 60         | 0.0                       | 60.0               |
| 9/19/2009  | 56         | 0.0                       | 56.0               |
| 9/20/2009  | 54         | 0.2                       | 53.8               |
| 9/21/2009  | 50         | 0.0                       | 50.0               |
| 9/22/2009  | 47         | 0.0                       | 47.0               |
| 9/23/2009  | 53         | 6.8                       | 46.2               |
| 9/24/2009  | 58         | 11.8                      | 46.2               |
| 9/25/2009  | 54         | 8.3                       | 45.7               |
| 9/26/2009  | 49         | 4.4                       | 44.6               |
| 9/27/2009  | 45         | 1.9                       | 43.1               |
| 9/28/2009  | 41         | 0.0                       | 41.0               |
| 9/29/2009  | 38         | 0.0                       | 38.0               |
| 9/30/2009  | 38         | 1.3                       | 36.7               |
| 10/1/2009  | 37         | 1.5                       | 35.5               |
| 10/2/2009  | 35         | 0.8                       | 34.2               |
| 10/3/2009  | 33         | 0.2                       | 32.8               |
| 10/4/2009  | 33         | 1.3                       | 31.7               |
| 10/5/2009  | 33         | 2.2                       | 30.8               |
| 10/6/2009  | 34         | 3.8                       | 30.2               |
| 10/7/2009  | 36         | 6.1                       | 29.9               |
| 10/8/2009  | 36         | 6.2                       | 29.8               |
| 10/9/2009  | 37         | 7.3                       | 29.7               |
| 10/10/2009 | 37         | 7.3                       | 29.7               |
| 10/11/2009 | 36         | 6.5                       | 29.5               |
| 10/12/2009 | 38         | 8.3                       | 29.7               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/24/2009  | 33         | 5.7                       | 27.3               |
| 8/25/2009  | 29         | 1.9                       | 27.1               |
| 8/26/2009  | 26         | 0.0                       | 26.0               |
| 8/27/2009  | 23         | 0.0                       | 23.0               |
| 8/28/2009  | 22         | 0.0                       | 22.0               |
| 8/29/2009  | 21         | 0.0                       | 21.0               |
| 8/30/2009  | 20         | 0.0                       | 20.0               |
| 8/31/2009  | 19         | 0.0                       | 19.0               |
| 9/1/2009   | 18         | 0.0                       | 18.0               |
| 9/2/2009   | 22         | 4.0                       | 18.0               |
| 9/3/2009   | 32         | 13.7                      | 18.3               |
| 9/4/2009   | 44         | 24.8                      | 19.2               |
| 9/5/2009   | 38         | 18.3                      | 19.7               |
| 9/6/2009   | 39         | 18.7                      | 20.3               |
| 9/7/2009   | 40         | 19.2                      | 20.8               |
| 9/8/2009   | 37         | 15.8                      | 21.2               |
| 9/9/2009   | 32         | 10.6                      | 21.4               |
| 9/10/2009  | 28         | 6.5                       | 21.5               |
| 9/11/2009  | 27         | 5.5                       | 21.5               |
| 9/12/2009  | 28         | 6.5                       | 21.5               |
| 9/13/2009  | 29         | 7.4                       | 21.6               |
| 9/14/2009  | 29         | 7.3                       | 21.7               |
| 9/15/2009  | 26         | 4.3                       | 21.7               |
| 9/16/2009  | 23         | 1.5                       | 21.5               |
| 9/17/2009  | 22         | 0.7                       | 21.3               |
| 9/18/2009  | 22         | 0.9                       | 21.1               |
| 9/19/2009  | 20         | 0.0                       | 20.0               |
| 9/20/2009  | 21         | 1.2                       | 19.8               |
| 9/21/2009  | 21         | 1.3                       | 19.7               |
| 9/22/2009  | 20         | 0.5                       | 19.5               |
| 9/23/2009  | 24         | 4.5                       | 19.5               |
| 9/24/2009  | 24         | 4.5                       | 19.5               |
| 9/25/2009  | 23         | 3.6                       | 19.4               |
| 9/26/2009  | 22         | 2.6                       | 19.4               |
| 9/27/2009  | 20         | 0.8                       | 19.2               |
| 9/28/2009  | 20         | 1.0                       | 19.0               |
| 9/29/2009  | 18         | 0.0                       | 18.0               |
| 9/30/2009  | 17         | 0.0                       | 17.0               |
| 10/1/2009  | 17         | 0.2                       | 16.8               |
| 10/2/2009  | 16         | 0.0                       | 16.0               |
| 10/3/2009  | 15         | 0.0                       | 15.0               |
| 10/4/2009  | 15         | 0.1                       | 14.9               |
| 10/5/2009  | 14         | 0.0                       | 14.0               |
| 10/6/2009  | 14         | 0.1                       | 13.9               |
| 10/7/2009  | 14         | 0.3                       | 13.7               |
| 10/8/2009  | 13         | 0.0                       | 13.0               |
| 10/9/2009  | 13         | 0.1                       | 12.9               |
| 10/10/2009 | 12         | 0.0                       | 12.0               |
| 10/11/2009 | 12         | 0.1                       | 11.9               |
| 10/12/2009 | 12         | 0.2                       | 11.8               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 8/24/2009  | 71         | 6.0                       | 65.0               |
| 8/25/2009  | 69         | 4.9                       | 64.1               |
| 8/26/2009  | 66         | 2.9                       | 63.1               |
| 8/27/2009  | 63         | 1.1                       | 61.9               |
| 8/28/2009  | 68         | 6.8                       | 61.2               |
| 8/29/2009  | 67         | 6.5                       | 60.5               |
| 8/30/2009  | 57         | 0.0                       | 57.0               |
| 8/31/2009  | 49         | 0.0                       | 49.0               |
| 9/1/2009   | 46         | 0.0                       | 46.0               |
| 9/2/2009   | 74         | 26.8                      | 47.2               |
| 9/3/2009   | 125        | 72.9                      | 52.1               |
| 9/4/2009   | 181        | 120.3                     | 60.7               |
| 9/5/2009   | 141        | 75.5                      | 65.5               |
| 9/6/2009   | 220        | 144.3                     | 75.7               |
| 9/7/2009   | 304        | 212.7                     | 91.3               |
| 9/8/2009   | 229        | 129.2                     | 99.8               |
| 9/9/2009   | 160        | 57.6                      | 102.4              |
| 9/10/2009  | 127        | 24.7                      | 102.3              |
| 9/11/2009  | 106        | 5.3                       | 100.7              |
| 9/12/2009  | 90         | 0.0                       | 90.0               |
| 9/13/2009  | 81         | 0.0                       | 81.0               |
| 9/14/2009  | 82         | 2.4                       | 79.6               |
| 9/15/2009  | 80         | 1.9                       | 78.1               |
| 9/16/2009  | 74         | 0.0                       | 74.0               |
| 9/17/2009  | 70         | 0.0                       | 70.0               |
| 9/18/2009  | 67         | 0.0                       | 67.0               |
| 9/19/2009  | 65         | 0.0                       | 65.0               |
| 9/20/2009  | 62         | 0.0                       | 62.0               |
| 9/21/2009  | 58         | 0.0                       | 58.0               |
| 9/22/2009  | 48         | 0.0                       | 48.0               |
| 9/23/2009  | 42         | 0.0                       | 42.0               |
| 9/24/2009  | 41         | 0.0                       | 41.0               |
| 9/25/2009  | 40         | 0.0                       | 40.0               |
| 9/26/2009  | 46         | 6.3                       | 39.7               |
| 9/27/2009  | 54         | 14.0                      | 40.0               |
| 9/28/2009  | 52         | 11.8                      | 40.2               |
| 9/29/2009  | 59         | 18.2                      | 40.8               |
| 9/30/2009  | 54         | 13.0                      | 41.0               |
| 10/1/2009  | 60         | 18.3                      | 41.7               |
| 10/2/2009  | 55         | 13.1                      | 41.9               |
| 10/3/2009  | 55         | 12.9                      | 42.1               |
| 10/4/2009  | 49         | 7.2                       | 41.8               |
| 10/5/2009  | 48         | 6.5                       | 41.5               |
| 10/6/2009  | 51         | 9.6                       | 41.4               |
| 10/7/2009  | 43         | 2.2                       | 40.8               |
| 10/8/2009  | 49         | 8.4                       | 40.6               |
| 10/9/2009  | 41         | 1.1                       | 39.9               |
| 10/10/2009 | 51         | 11.0                      | 40.0               |
| 10/11/2009 | 49         | 9.1                       | 39.9               |
| 10/12/2009 | 50         | 10.1                      | 39.9               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/13/2009 | 38         | 8.2                       | 29.8               |
| 10/14/2009 | 38         | 8.1                       | 29.9               |
| 10/15/2009 | 38         | 8.0                       | 30.0               |
| 10/16/2009 | 35         | 5.3                       | 29.7               |
| 10/17/2009 | 33         | 3.9                       | 29.1               |
| 10/18/2009 | 32         | 3.5                       | 28.5               |
| 10/19/2009 | 33         | 4.9                       | 28.1               |
| 10/20/2009 | 34         | 6.0                       | 28.0               |
| 10/21/2009 | 32         | 4.4                       | 27.6               |
| 10/22/2009 | 32         | 4.8                       | 27.2               |
| 10/23/2009 | 32         | 5.1                       | 26.9               |
| 10/24/2009 | 31         | 4.4                       | 26.6               |
| 10/25/2009 | 32         | 5.6                       | 26.4               |
| 10/26/2009 | 33         | 6.6                       | 26.4               |
| 10/27/2009 | 33         | 6.6                       | 26.4               |
| 10/28/2009 | 31         | 4.9                       | 26.1               |
| 10/29/2009 | 30         | 4.2                       | 25.8               |
| 10/30/2009 | 29         | 3.7                       | 25.3               |
| 10/31/2009 | 29         | 4.0                       | 25.0               |
| 11/1/2009  | 28         | 3.5                       | 24.5               |
| 11/2/2009  | 28         | 3.9                       | 24.1               |
| 11/3/2009  | 37         | 11.9                      | 25.1               |
| 11/4/2009  | 40         | 13.7                      | 26.3               |
| 11/5/2009  | 36         | 9.3                       | 26.7               |
| 11/6/2009  | 33         | 6.3                       | 26.7               |
| 11/7/2009  | 31         | 4.7                       | 26.3               |
| 11/8/2009  | 31         | 4.9                       | 26.1               |
| 11/9/2009  | 31         | 5.1                       | 25.9               |
| 11/10/2009 | 28         | 2.7                       | 25.3               |
| 11/11/2009 | 26         | 1.5                       | 24.5               |
| 11/12/2009 | 25         | 1.3                       | 23.7               |
| 11/13/2009 | 23         | 0.2                       | 22.8               |
| 11/14/2009 | 24         | 1.8                       | 22.2               |
| 11/15/2009 | 24         | 2.3                       | 21.7               |
| 11/16/2009 | 23         | 1.9                       | 21.1               |
| 11/17/2009 | 24         | 3.2                       | 20.8               |
| 11/18/2009 | 24         | 3.5                       | 20.5               |
| 11/19/2009 | 23         | 2.9                       | 20.1               |
| 11/20/2009 | 24         | 4.0                       | 20.0               |
| 11/21/2009 | 26         | 5.9                       | 20.1               |
| 11/22/2009 | 28         | 7.5                       | 20.5               |
| 11/23/2009 | 28         | 7.2                       | 20.8               |
| 11/24/2009 | 28         | 6.9                       | 21.1               |
| 11/25/2009 | 29         | 7.5                       | 21.5               |
| 11/26/2009 | 29         | 7.2                       | 21.8               |
| 11/27/2009 | 27         | 5.3                       | 21.7               |
| 11/28/2009 | 26         | 4.4                       | 21.6               |
| 11/29/2009 | 26         | 4.6                       | 21.4               |
| 11/30/2009 | 26         | 4.7                       | 21.3               |
| 12/1/2009  | 23         | 2.2                       | 20.8               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/13/2009 | 12         | 0.3                       | 11.7               |
| 10/14/2009 | 12         | 0.4                       | 11.6               |
| 10/15/2009 | 12         | 0.5                       | 11.5               |
| 10/16/2009 | 11         | 0.0                       | 11.0               |
| 10/17/2009 | 11         | 0.1                       | 10.9               |
| 10/18/2009 | 10         | 0.0                       | 10.0               |
| 10/19/2009 | 10         | 0.1                       | 9.9                |
| 10/20/2009 | 10         | 0.2                       | 9.8                |
| 10/21/2009 | 10         | 0.3                       | 9.7                |
| 10/22/2009 | 11         | 1.3                       | 9.7                |
| 10/23/2009 | 11         | 1.4                       | 9.6                |
| 10/24/2009 | 11         | 1.4                       | 9.6                |
| 10/25/2009 | 10         | 0.5                       | 9.5                |
| 10/26/2009 | 9.8        | 0.4                       | 9.4                |
| 10/27/2009 | 9.6        | 0.2                       | 9.4                |
| 10/28/2009 | 9.6        | 0.3                       | 9.3                |
| 10/29/2009 | 9.7        | 0.5                       | 9.2                |
| 10/30/2009 | 10         | 0.9                       | 9.1                |
| 10/31/2009 | 9.9        | 0.8                       | 9.1                |
| 11/1/2009  | 9.8        | 0.8                       | 9.0                |
| 11/2/2009  | 9.7        | 0.7                       | 9.0                |
| 11/3/2009  | 9.6        | 0.7                       | 8.9                |
| 11/4/2009  | 9.4        | 0.6                       | 8.8                |
| 11/5/2009  | 9.3        | 0.5                       | 8.8                |
| 11/6/2009  | 9.2        | 0.5                       | 8.7                |
| 11/7/2009  | 9.2        | 0.6                       | 8.6                |
| 11/8/2009  | 9.1        | 0.5                       | 8.6                |
| 11/9/2009  | 9.2        | 0.7                       | 8.5                |
| 11/10/2009 | 9.2        | 0.7                       | 8.5                |
| 11/11/2009 | 9.3        | 0.9                       | 8.4                |
| 11/12/2009 | 9.5        | 1.1                       | 8.4                |
| 11/13/2009 | 9.6        | 1.3                       | 8.3                |
| 11/14/2009 | 9.5        | 1.2                       | 8.3                |
| 11/15/2009 | 9.3        | 1.0                       | 8.3                |
| 11/16/2009 | 9.2        | 1.0                       | 8.2                |
| 11/17/2009 | 9.2        | 1.0                       | 8.2                |
| 11/18/2009 | 9.4        | 1.3                       | 8.1                |
| 11/19/2009 | 9.6        | 1.5                       | 8.1                |
| 11/20/2009 | 9.3        | 1.2                       | 8.1                |
| 11/21/2009 | 9.3        | 1.2                       | 8.1                |
| 11/22/2009 | 9.6        | 1.6                       | 8.0                |
| 11/23/2009 | 9.6        | 1.6                       | 8.0                |
| 11/24/2009 | 9.4        | 1.4                       | 8.0                |
| 11/25/2009 | 9.6        | 1.6                       | 8.0                |
| 11/26/2009 | 9.9        | 1.9                       | 8.0                |
| 11/27/2009 | 9.6        | 1.6                       | 8.0                |
| 11/28/2009 | 9.4        | 1.5                       | 7.9                |
| 11/29/2009 | 9.3        | 1.4                       | 7.9                |
| 11/30/2009 | 9.2        | 1.3                       | 7.9                |
| 12/1/2009  | 9.3        | 1.4                       | 7.9                |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 10/13/2009 | 53         | 12.8                      | 40.2               |
| 10/14/2009 | 49         | 8.9                       | 40.1               |
| 10/15/2009 | 52         | 11.8                      | 40.2               |
| 10/16/2009 | 43         | 3.3                       | 39.7               |
| 10/17/2009 | 45         | 5.7                       | 39.3               |
| 10/18/2009 | 38         | 0.0                       | 38.0               |
| 10/19/2009 | 37         | 0.0                       | 37.0               |
| 10/20/2009 | 42         | 5.3                       | 36.7               |
| 10/21/2009 | 41         | 4.7                       | 36.3               |
| 10/22/2009 | 49         | 12.4                      | 36.6               |
| 10/23/2009 | 43         | 6.6                       | 36.4               |
| 10/24/2009 | 44         | 7.7                       | 36.3               |
| 10/25/2009 | 38         | 2.3                       | 35.7               |
| 10/26/2009 | 37         | 1.8                       | 35.2               |
| 10/27/2009 | 43         | 7.9                       | 35.1               |
| 10/28/2009 | 46         | 10.7                      | 35.3               |
| 10/29/2009 | 54         | 18.0                      | 36.0               |
| 10/30/2009 | 46         | 9.9                       | 36.1               |
| 10/31/2009 | 48         | 11.7                      | 36.3               |
| 11/1/2009  | 42         | 6.0                       | 36.0               |
| 11/2/2009  | 41         | 5.3                       | 35.7               |
| 11/3/2009  | 45         | 9.2                       | 35.8               |
| 11/4/2009  | 38         | 2.7                       | 35.3               |
| 11/5/2009  | 47         | 11.5                      | 35.5               |
| 11/6/2009  | 39         | 3.9                       | 35.1               |
| 11/7/2009  | 41         | 6.1                       | 34.9               |
| 11/8/2009  | 37         | 2.6                       | 34.4               |
| 11/9/2009  | 37         | 3.1                       | 33.9               |
| 11/10/2009 | 41         | 7.2                       | 33.8               |
| 11/11/2009 | 43         | 9.1                       | 33.9               |
| 11/12/2009 | 44         | 10.0                      | 34.0               |
| 11/13/2009 | 40         | 6.2                       | 33.8               |
| 11/14/2009 | 39         | 5.4                       | 33.6               |
| 11/15/2009 | 38         | 4.7                       | 33.3               |
| 11/16/2009 | 38         | 5.0                       | 33.0               |
| 11/17/2009 | 44         | 10.8                      | 33.2               |
| 11/18/2009 | 38         | 5.0                       | 33.0               |
| 11/19/2009 | 35         | 2.5                       | 32.5               |
| 11/20/2009 | 29         | 0.0                       | 29.0               |
| 11/21/2009 | 32         | 3.3                       | 28.7               |
| 11/22/2009 | 32         | 3.6                       | 28.4               |
| 11/23/2009 | 38         | 9.4                       | 28.6               |
| 11/24/2009 | 35         | 6.5                       | 28.5               |
| 11/25/2009 | 42         | 13.0                      | 29.0               |
| 11/26/2009 | 58         | 27.4                      | 30.6               |
| 11/27/2009 | 66         | 33.3                      | 32.7               |
| 11/28/2009 | 47         | 13.9                      | 33.1               |
| 11/29/2009 | 41         | 7.9                       | 33.1               |
| 11/30/2009 | 43         | 9.8                       | 33.2               |
| 12/1/2009  | 40         | 6.9                       | 33.1               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/2/2009  | 22         | 1.7                       | 20.3               |
| 12/3/2009  | 24         | 3.9                       | 20.1               |
| 12/4/2009  | 42         | 19.6                      | 22.4               |
| 12/5/2009  | 90         | 59.0                      | 31.0               |
| 12/6/2009  | 102        | 62.3                      | 39.7               |
| 12/7/2009  | 86         | 41.3                      | 44.7               |
| 12/8/2009  | 75         | 27.7                      | 47.3               |
| 12/9/2009  | 67         | 18.6                      | 48.4               |
| 12/10/2009 | 62         | 13.4                      | 48.6               |
| 12/11/2009 | 60         | 11.5                      | 48.5               |
| 12/12/2009 | 62         | 13.3                      | 48.7               |
| 12/13/2009 | 62         | 13.1                      | 48.9               |
| 12/14/2009 | 59         | 10.4                      | 48.6               |
| 12/15/2009 | 56         | 8.1                       | 47.9               |
| 12/16/2009 | 57         | 9.5                       | 47.5               |
| 12/17/2009 | 111        | 56.4                      | 54.6               |
| 12/18/2009 | 408        | 306.5                     | 101.5              |
| 12/19/2009 | 515        | 360.0                     | 155.0              |
| 12/20/2009 | 309        | 138.1                     | 170.9              |
| 12/21/2009 | 168        | 3.4                       | 164.6              |
| 12/22/2009 | 111        | 0.0                       | 111.0              |
| 12/23/2009 | 100        | 0.0                       | 100.0              |
| 12/24/2009 | 99         | 2.6                       | 96.4               |
| 12/25/2009 | 104        | 9.9                       | 94.1               |
| 12/26/2009 | 100        | 8.3                       | 91.7               |
| 12/27/2009 | 88         | 0.0                       | 88.0               |
| 12/28/2009 | 77         | 0.0                       | 77.0               |
| 12/29/2009 | 70         | 0.0                       | 70.0               |
| 12/30/2009 | 65         | 0.0                       | 65.0               |
| 12/31/2009 | 61         | 0.0                       | 61.0               |
| 1/1/2010   | 64         | 4.7                       | 59.3               |
| 1/2/2010   | 70         | 11.3                      | 58.7               |
| 1/3/2010   | 72         | 13.5                      | 58.5               |
| 1/4/2010   | 67         | 9.3                       | 57.7               |
| 1/5/2010   | 60         | 4.0                       | 56.0               |
| 1/6/2010   | 55         | 1.1                       | 53.9               |
| 1/7/2010   | 54         | 1.9                       | 52.1               |
| 1/8/2010   | 53         | 2.6                       | 50.4               |
| 1/9/2010   | 54         | 4.8                       | 49.2               |
| 1/10/2010  | 53         | 5.0                       | 48.0               |
| 1/11/2010  | 58         | 10.3                      | 47.7               |
| 1/12/2010  | 66         | 17.4                      | 48.6               |
| 1/13/2010  | 57         | 8.9                       | 48.1               |
| 1/14/2010  | 52         | 5.0                       | 47.0               |
| 1/15/2010  | 50         | 4.2                       | 45.8               |
| 1/16/2010  | 51         | 6.1                       | 44.9               |
| 1/17/2010  | 51         | 6.8                       | 44.2               |
| 1/18/2010  | 51         | 7.4                       | 43.6               |
| 1/19/2010  | 49         | 6.1                       | 42.9               |
| 1/20/2010  | 48         | 5.9                       | 42.1               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/2/2009  | 9.7        | 1.8                       | 7.9                |
| 12/3/2009  | 10         | 2.1                       | 7.9                |
| 12/4/2009  | 12         | 4.0                       | 8.0                |
| 12/5/2009  | 51         | 41.5                      | 9.5                |
| 12/6/2009  | 67         | 55.3                      | 11.7               |
| 12/7/2009  | 51         | 37.9                      | 13.1               |
| 12/8/2009  | 40         | 26.0                      | 14.0               |
| 12/9/2009  | 34         | 19.4                      | 14.6               |
| 12/10/2009 | 30         | 14.9                      | 15.1               |
| 12/11/2009 | 27         | 11.6                      | 15.4               |
| 12/12/2009 | 25         | 9.4                       | 15.6               |
| 12/13/2009 | 26         | 10.2                      | 15.8               |
| 12/14/2009 | 24         | 8.0                       | 16.0               |
| 12/15/2009 | 23         | 6.9                       | 16.1               |
| 12/16/2009 | 22         | 5.8                       | 16.2               |
| 12/17/2009 | 22         | 5.7                       | 16.3               |
| 12/18/2009 | 111        | 91.3                      | 19.7               |
| 12/19/2009 | 199        | 172.6                     | 26.4               |
| 12/20/2009 | 135        | 104.6                     | 30.4               |
| 12/21/2009 | 83         | 50.9                      | 32.1               |
| 12/22/2009 | 64         | 31.0                      | 33.0               |
| 12/23/2009 | 52         | 18.6                      | 33.4               |
| 12/24/2009 | 48         | 14.3                      | 33.7               |
| 12/25/2009 | 49         | 15.1                      | 33.9               |
| 12/26/2009 | 47         | 12.9                      | 34.1               |
| 12/27/2009 | 42         | 7.9                       | 34.1               |
| 12/28/2009 | 38         | 4.1                       | 33.9               |
| 12/29/2009 | 34         | 0.4                       | 33.6               |
| 12/30/2009 | 31         | 0.0                       | 31.0               |
| 12/31/2009 | 29         | 0.0                       | 29.0               |
| 1/1/2010   | 30         | 1.2                       | 28.8               |
| 1/2/2010   | 31         | 2.4                       | 28.6               |
| 1/3/2010   | 28         | 0.0                       | 28.0               |
| 1/4/2010   | 28         | 0.3                       | 27.7               |
| 1/5/2010   | 26         | 0.0                       | 26.0               |
| 1/6/2010   | 25         | 0.0                       | 25.0               |
| 1/7/2010   | 24         | 0.0                       | 24.0               |
| 1/8/2010   | 24         | 0.2                       | 23.8               |
| 1/9/2010   | 25         | 1.4                       | 23.6               |
| 1/10/2010  | 28         | 4.5                       | 23.5               |
| 1/11/2010  | 29         | 5.5                       | 23.5               |
| 1/12/2010  | 34         | 10.3                      | 23.7               |
| 1/13/2010  | 28         | 4.4                       | 23.6               |
| 1/14/2010  | 26         | 2.5                       | 23.5               |
| 1/15/2010  | 24         | 0.7                       | 23.3               |
| 1/16/2010  | 24         | 0.9                       | 23.1               |
| 1/17/2010  | 25         | 2.1                       | 22.9               |
| 1/18/2010  | 23         | 0.3                       | 22.7               |
| 1/19/2010  | 26         | 3.4                       | 22.6               |
| 1/20/2010  | 28         | 5.4                       | 22.6               |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 12/2/2009  | 33         | 0.5                       | 32.5               |
| 12/3/2009  | 32         | 0.2                       | 31.8               |
| 12/4/2009  | 51         | 18.3                      | 32.7               |
| 12/5/2009  | 160        | 118.5                     | 41.5               |
| 12/6/2009  | 171        | 120.7                     | 50.3               |
| 12/7/2009  | 112        | 58.0                      | 54.0               |
| 12/8/2009  | 92         | 36.2                      | 55.8               |
| 12/9/2009  | 79         | 22.5                      | 56.5               |
| 12/10/2009 | 73         | 16.4                      | 56.6               |
| 12/11/2009 | 71         | 14.3                      | 56.7               |
| 12/12/2009 | 68         | 11.5                      | 56.5               |
| 12/13/2009 | 65         | 9.0                       | 56.0               |
| 12/14/2009 | 61         | 5.6                       | 55.4               |
| 12/15/2009 | 60         | 5.3                       | 54.7               |
| 12/16/2009 | 73         | 18.0                      | 55.0               |
| 12/17/2009 | 68         | 13.0                      | 55.0               |
| 12/18/2009 | 244        | 176.0                     | 68.0               |
| 12/19/2009 | 322        | 236.5                     | 85.5               |
| 12/20/2009 | 187        | 95.6                      | 91.4               |
| 12/21/2009 | 135        | 42.0                      | 93.0               |
| 12/22/2009 | 108        | 15.6                      | 92.4               |
| 12/23/2009 | 80         | 0.0                       | 80.0               |
| 12/24/2009 | 72         | 0.0                       | 72.0               |
| 12/25/2009 | 68         | 0.0                       | 68.0               |
| 12/26/2009 | 64         | 0.0                       | 64.0               |
| 12/27/2009 | 62         | 0.0                       | 62.0               |
| 12/28/2009 | 59         | 0.0                       | 59.0               |
| 12/29/2009 | 50         | 0.0                       | 50.0               |
| 12/30/2009 | 44         | 0.0                       | 44.0               |
| 12/31/2009 | 48         | 4.5                       | 43.5               |
| 1/1/2010   | 47         | 4.1                       | 42.9               |
| 1/2/2010   | 54         | 11.0                      | 43.0               |
| 1/3/2010   | 54         | 11.0                      | 43.0               |
| 1/4/2010   | 54         | 11.0                      | 43.0               |
| 1/5/2010   | 53         | 10.1                      | 42.9               |
| 1/6/2010   | 49         | 6.4                       | 42.6               |
| 1/7/2010   | 54         | 11.3                      | 42.7               |
| 1/8/2010   | 87         | 41.8                      | 45.2               |
| 1/9/2010   | 57         | 11.8                      | 45.2               |
| 1/10/2010  | 54         | 9.0                       | 45.0               |
| 1/11/2010  | 53         | 8.2                       | 44.8               |
| 1/12/2010  | 73         | 27.0                      | 46.0               |
| 1/13/2010  | 102        | 52.7                      | 49.3               |
| 1/14/2010  | 120        | 66.4                      | 53.6               |
| 1/15/2010  | 99         | 43.0                      | 56.0               |
| 1/16/2010  | 64         | 8.4                       | 55.6               |
| 1/17/2010  | 59         | 4.2                       | 54.8               |
| 1/18/2010  | 59         | 4.9                       | 54.1               |
| 1/19/2010  | 55         | 1.8                       | 53.2               |
| 1/20/2010  | 54         | 1.8                       | 52.2               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/21/2010 | 48         | 6.5                       | 41.5               |
| 1/22/2010 | 50         | 8.8                       | 41.2               |
| 1/23/2010 | 52         | 10.7                      | 41.3               |
| 1/24/2010 | 52         | 10.7                      | 41.3               |
| 1/25/2010 | 54         | 12.4                      | 41.6               |
| 1/26/2010 | 57         | 14.7                      | 42.3               |
| 1/27/2010 | 56         | 13.2                      | 42.8               |
| 1/28/2010 | 53         | 10.3                      | 42.7               |
| 1/29/2010 | 51         | 8.6                       | 42.4               |
| 1/30/2010 | 50         | 8.0                       | 42.0               |
| 1/31/2010 | 49         | 7.5                       | 41.5               |
| 2/1/2010  | 53         | 11.4                      | 41.6               |
| 2/2/2010  | 60         | 17.3                      | 42.7               |
| 2/3/2010  | 62         | 18.1                      | 43.9               |
| 2/4/2010  | 58         | 13.7                      | 44.3               |
| 2/5/2010  | 63         | 17.6                      | 45.4               |
| 2/6/2010  | 76         | 28.0                      | 48.0               |
| 2/7/2010  | 75         | 24.9                      | 50.1               |
| 2/8/2010  | 68         | 17.2                      | 50.8               |
| 2/9/2010  | 64         | 13.1                      | 50.9               |
| 2/10/2010 | 61         | 10.5                      | 50.5               |
| 2/11/2010 | 58         | 8.2                       | 49.8               |
| 2/12/2010 | 63         | 13.1                      | 49.9               |
| 2/13/2010 | 78         | 25.9                      | 52.1               |
| 2/14/2010 | 78         | 24.1                      | 53.9               |
| 2/15/2010 | 70         | 15.8                      | 54.2               |
| 2/16/2010 | 64         | 10.3                      | 53.7               |
| 2/17/2010 | 58         | 5.6                       | 52.4               |
| 2/18/2010 | 54         | 3.1                       | 50.9               |
| 2/19/2010 | 52         | 2.7                       | 49.3               |
| 2/20/2010 | 49         | 1.5                       | 47.5               |
| 2/21/2010 | 49         | 2.9                       | 46.1               |
| 2/22/2010 | 51         | 5.8                       | 45.2               |
| 2/23/2010 | 56         | 10.9                      | 45.1               |
| 2/24/2010 | 64         | 17.8                      | 46.2               |
| 2/25/2010 | 67         | 19.6                      | 47.4               |
| 2/26/2010 | 60         | 12.5                      | 47.5               |
| 2/27/2010 | 55         | 8.1                       | 46.9               |
| 2/28/2010 | 53         | 6.9                       | 46.1               |
| 3/1/2010  | 50         | 4.9                       | 45.1               |
| 3/2/2010  | 48         | 4.1                       | 43.9               |
| 3/3/2010  | 45         | 2.4                       | 42.6               |
| 3/4/2010  | 43         | 1.8                       | 41.2               |
| 3/5/2010  | 42         | 2.1                       | 39.9               |
| 3/6/2010  | 44         | 4.9                       | 39.1               |
| 3/7/2010  | 44         | 5.6                       | 38.4               |
| 3/8/2010  | 43         | 5.3                       | 37.7               |
| 3/9/2010  | 41         | 4.1                       | 36.9               |
| 3/10/2010 | 44         | 7.4                       | 36.6               |
| 3/11/2010 | 266        | 199.0                     | 67.0               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/21/2010 | 21         | 0.0                       | 21.0               |
| 1/22/2010 | 22         | 1.2                       | 20.8               |
| 1/23/2010 | 23         | 2.3                       | 20.7               |
| 1/24/2010 | 22         | 1.4                       | 20.6               |
| 1/25/2010 | 23         | 2.5                       | 20.5               |
| 1/26/2010 | 25         | 4.6                       | 20.4               |
| 1/27/2010 | 21         | 0.7                       | 20.3               |
| 1/28/2010 | 19         | 0.0                       | 19.0               |
| 1/29/2010 | 19         | 0.2                       | 18.8               |
| 1/30/2010 | 19         | 0.4                       | 18.6               |
| 1/31/2010 | 19         | 0.5                       | 18.5               |
| 2/1/2010  | 20         | 1.6                       | 18.4               |
| 2/2/2010  | 28         | 9.4                       | 18.6               |
| 2/3/2010  | 39         | 19.8                      | 19.2               |
| 2/4/2010  | 34         | 14.5                      | 19.5               |
| 2/5/2010  | 33         | 13.1                      | 19.9               |
| 2/6/2010  | 48         | 27.2                      | 20.8               |
| 2/7/2010  | 41         | 19.7                      | 21.3               |
| 2/8/2010  | 35         | 13.3                      | 21.7               |
| 2/9/2010  | 32         | 10.1                      | 21.9               |
| 2/10/2010 | 31         | 9.0                       | 22.0               |
| 2/11/2010 | 26         | 4.1                       | 21.9               |
| 2/12/2010 | 27         | 5.1                       | 21.9               |
| 2/13/2010 | 35         | 12.8                      | 22.2               |
| 2/14/2010 | 35         | 12.5                      | 22.5               |
| 2/15/2010 | 33         | 10.3                      | 22.7               |
| 2/16/2010 | 29         | 6.3                       | 22.7               |
| 2/17/2010 | 26         | 3.4                       | 22.6               |
| 2/18/2010 | 24         | 1.5                       | 22.5               |
| 2/19/2010 | 23         | 0.7                       | 22.3               |
| 2/20/2010 | 22         | 0.0                       | 22.0               |
| 2/21/2010 | 22         | 0.2                       | 21.8               |
| 2/22/2010 | 23         | 1.4                       | 21.6               |
| 2/23/2010 | 28         | 6.3                       | 21.7               |
| 2/24/2010 | 23         | 1.5                       | 21.5               |
| 2/25/2010 | 23         | 1.6                       | 21.4               |
| 2/26/2010 | 22         | 0.8                       | 21.2               |
| 2/27/2010 | 21         | 0.0                       | 21.0               |
| 2/28/2010 | 21         | 0.2                       | 20.8               |
| 3/1/2010  | 19         | 0.0                       | 19.0               |
| 3/2/2010  | 18         | 0.0                       | 18.0               |
| 3/3/2010  | 18         | 0.2                       | 17.8               |
| 3/4/2010  | 22         | 4.2                       | 17.8               |
| 3/5/2010  | 18         | 0.3                       | 17.7               |
| 3/6/2010  | 19         | 1.5                       | 17.5               |
| 3/7/2010  | 19         | 1.6                       | 17.4               |
| 3/8/2010  | 19         | 1.7                       | 17.3               |
| 3/9/2010  | 17         | 0.0                       | 17.0               |
| 3/10/2010 | 17         | 0.2                       | 16.8               |
| 3/11/2010 | 81         | 61.9                      | 19.1               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 1/21/2010 | 53         | 1.7                       | 51.3               |
| 1/22/2010 | 58         | 7.1                       | 50.9               |
| 1/23/2010 | 56         | 5.7                       | 50.3               |
| 1/24/2010 | 46         | 0.0                       | 46.0               |
| 1/25/2010 | 44         | 0.0                       | 44.0               |
| 1/26/2010 | 56         | 11.9                      | 44.1               |
| 1/27/2010 | 58         | 13.7                      | 44.3               |
| 1/28/2010 | 54         | 9.8                       | 44.2               |
| 1/29/2010 | 52         | 8.1                       | 43.9               |
| 1/30/2010 | 59         | 14.8                      | 44.2               |
| 1/31/2010 | 56         | 11.7                      | 44.3               |
| 2/1/2010  | 59         | 14.4                      | 44.6               |
| 2/2/2010  | 84         | 37.3                      | 46.7               |
| 2/3/2010  | 85         | 36.4                      | 48.6               |
| 2/4/2010  | 72         | 22.5                      | 49.5               |
| 2/5/2010  | 66         | 16.2                      | 49.8               |
| 2/6/2010  | 84         | 32.6                      | 51.4               |
| 2/7/2010  | 77         | 24.7                      | 52.3               |
| 2/8/2010  | 69         | 16.4                      | 52.6               |
| 2/9/2010  | 61         | 8.8                       | 52.2               |
| 2/10/2010 | 61         | 9.1                       | 51.9               |
| 2/11/2010 | 57         | 5.7                       | 51.3               |
| 2/12/2010 | 54         | 3.4                       | 50.6               |
| 2/13/2010 | 67         | 16.1                      | 50.9               |
| 2/14/2010 | 54         | 3.8                       | 50.2               |
| 2/15/2010 | 48         | 0.0                       | 48.0               |
| 2/16/2010 | 71         | 22.2                      | 48.8               |
| 2/17/2010 | 53         | 4.8                       | 48.2               |
| 2/18/2010 | 44         | 0.0                       | 44.0               |
| 2/19/2010 | 91         | 44.3                      | 46.7               |
| 2/20/2010 | 92         | 42.8                      | 49.2               |
| 2/21/2010 | 82         | 31.3                      | 50.7               |
| 2/22/2010 | 70         | 18.8                      | 51.2               |
| 2/23/2010 | 55         | 4.5                       | 50.5               |
| 2/24/2010 | 48         | 0.0                       | 48.0               |
| 2/25/2010 | 51         | 3.7                       | 47.3               |
| 2/26/2010 | 59         | 11.7                      | 47.3               |
| 2/27/2010 | 55         | 8.0                       | 47.0               |
| 2/28/2010 | 64         | 16.6                      | 47.4               |
| 3/1/2010  | 59         | 11.6                      | 47.4               |
| 3/2/2010  | 45         | 0.0                       | 45.0               |
| 3/3/2010  | 40         | 0.0                       | 40.0               |
| 3/4/2010  | 37         | 0.0                       | 37.0               |
| 3/5/2010  | 38         | 1.6                       | 36.4               |
| 3/6/2010  | 61         | 23.5                      | 37.5               |
| 3/7/2010  | 57         | 18.7                      | 38.3               |
| 3/8/2010  | 50         | 11.6                      | 38.4               |
| 3/9/2010  | 48         | 9.6                       | 38.4               |
| 3/10/2010 | 41         | 3.1                       | 37.9               |
| 3/11/2010 | 54         | 15.6                      | 38.4               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/12/2010 | 1000       | 806.7                     | 193.3              |
| 3/13/2010 | 1120       | 805.5                     | 314.5              |
| 3/14/2010 | 640        | 291.5                     | 348.5              |
| 3/15/2010 | 390        | 47.8                      | 342.2              |
| 3/16/2010 | 250        | 0.0                       | 250.0              |
| 3/17/2010 | 170        | 0.0                       | 170.0              |
| 3/18/2010 | 120        | 0.0                       | 120.0              |
| 3/19/2010 | 100        | 0.0                       | 100.0              |
| 3/20/2010 | 80         | 0.0                       | 80.0               |
| 3/21/2010 | 60         | 0.0                       | 60.0               |
| 3/22/2010 | 170        | 96.9                      | 73.1               |
| 3/23/2010 | 110        | 34.3                      | 75.7               |
| 3/24/2010 | 75         | 2.0                       | 73.0               |
| 3/25/2010 | 70         | 0.0                       | 70.0               |
| 3/26/2010 | 73         | 5.0                       | 68.0               |
| 3/27/2010 | 73         | 6.7                       | 66.3               |
| 3/28/2010 | 98         | 29.6                      | 68.4               |
| 3/29/2010 | 252        | 160.6                     | 91.4               |
| 3/30/2010 | 277        | 163.2                     | 113.8              |
| 3/31/2010 | 158        | 42.0                      | 116.0              |
| 4/1/2010  | 99         | 0.0                       | 99.0               |
| 4/2/2010  | 81         | 0.0                       | 81.0               |
| 4/3/2010  | 74         | 0.0                       | 74.0               |
| 4/4/2010  | 68         | 0.0                       | 68.0               |
| 4/5/2010  | 63         | 0.0                       | 63.0               |
| 4/6/2010  | 61         | 0.4                       | 60.6               |
| 4/7/2010  | 58         | 0.0                       | 58.0               |
| 4/8/2010  | 56         | 0.3                       | 55.7               |
| 4/9/2010  | 54         | 0.4                       | 53.6               |
| 4/10/2010 | 53         | 1.4                       | 51.6               |
| 4/11/2010 | 55         | 4.7                       | 50.3               |
| 4/12/2010 | 60         | 10.1                      | 49.9               |
| 4/13/2010 | 59         | 9.5                       | 49.5               |
| 4/14/2010 | 56         | 7.3                       | 48.7               |
| 4/15/2010 | 52         | 4.6                       | 47.4               |
| 4/16/2010 | 53         | 6.4                       | 46.6               |
| 4/17/2010 | 55         | 8.9                       | 46.1               |
| 4/18/2010 | 67         | 19.6                      | 47.4               |
| 4/19/2010 | 95         | 42.7                      | 52.3               |
| 4/20/2010 | 88         | 32.5                      | 55.5               |
| 4/21/2010 | 83         | 25.7                      | 57.3               |
| 4/22/2010 | 78         | 19.8                      | 58.2               |
| 4/23/2010 | 72         | 13.9                      | 58.1               |
| 4/24/2010 | 68         | 10.5                      | 57.5               |
| 4/25/2010 | 90         | 30.0                      | 60.0               |
| 4/26/2010 | 310        | 217.6                     | 92.4               |
| 4/27/2010 | 350        | 225.3                     | 124.7              |
| 4/28/2010 | 200        | 69.2                      | 130.8              |
| 4/29/2010 | 150        | 21.0                      | 129.0              |
| 4/30/2010 | 125        | 1.0                       | 124.0              |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/12/2010 | 496        | 458.7                     | 37.3               |
| 3/13/2010 | 499        | 444.3                     | 54.7               |
| 3/14/2010 | 339        | 273.9                     | 65.1               |
| 3/15/2010 | 233        | 162.1                     | 70.9               |
| 3/16/2010 | 157        | 83.4                      | 73.6               |
| 3/17/2010 | 146        | 70.4                      | 75.6               |
| 3/18/2010 | 108        | 31.8                      | 76.2               |
| 3/19/2010 | 84         | 8.3                       | 75.7               |
| 3/20/2010 | 70         | 0.0                       | 70.0               |
| 3/21/2010 | 95         | 24.7                      | 70.3               |
| 3/22/2010 | 208        | 133.1                     | 74.9               |
| 3/23/2010 | 170        | 92.2                      | 77.8               |
| 3/24/2010 | 130        | 50.9                      | 79.1               |
| 3/25/2010 | 103        | 23.7                      | 79.3               |
| 3/26/2010 | 103        | 23.6                      | 79.4               |
| 3/27/2010 | 88         | 9.0                       | 79.0               |
| 3/28/2010 | 80         | 1.7                       | 78.3               |
| 3/29/2010 | 250        | 185.9                     | 84.1               |
| 3/30/2010 | 238        | 148.8                     | 89.2               |
| 3/31/2010 | 174        | 82.4                      | 91.6               |
| 4/1/2010  | 133        | 40.7                      | 92.3               |
| 4/2/2010  | 102        | 10.2                      | 91.8               |
| 4/3/2010  | 81         | 0.0                       | 81.0               |
| 4/4/2010  | 67         | 0.0                       | 67.0               |
| 4/5/2010  | 58         | 0.0                       | 58.0               |
| 4/6/2010  | 51         | 0.0                       | 51.0               |
| 4/7/2010  | 46         | 0.0                       | 46.0               |
| 4/8/2010  | 41         | 0.0                       | 41.0               |
| 4/9/2010  | 38         | 0.0                       | 38.0               |
| 4/10/2010 | 35         | 0.0                       | 35.0               |
| 4/11/2010 | 32         | 0.0                       | 32.0               |
| 4/12/2010 | 30         | 0.0                       | 30.0               |
| 4/13/2010 | 29         | 0.0                       | 29.0               |
| 4/14/2010 | 27         | 0.0                       | 27.0               |
| 4/15/2010 | 26         | 0.0                       | 26.0               |
| 4/16/2010 | 25         | 0.0                       | 25.0               |
| 4/17/2010 | 24         | 0.0                       | 24.0               |
| 4/18/2010 | 24         | 0.2                       | 23.8               |
| 4/19/2010 | 31         | 7.2                       | 23.8               |
| 4/20/2010 | 27         | 3.3                       | 23.7               |
| 4/21/2010 | 28         | 4.4                       | 23.6               |
| 4/22/2010 | 27         | 3.4                       | 23.6               |
| 4/23/2010 | 25         | 1.6                       | 23.4               |
| 4/24/2010 | 23         | 0.0                       | 23.0               |
| 4/25/2010 | 22         | 0.0                       | 22.0               |
| 4/26/2010 | 66         | 42.5                      | 23.5               |
| 4/27/2010 | 81         | 55.5                      | 25.5               |
| 4/28/2010 | 61         | 34.4                      | 26.6               |
| 4/29/2010 | 47         | 19.9                      | 27.1               |
| 4/30/2010 | 39         | 11.7                      | 27.3               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 3/12/2010 | 403        | 338.3                     | 64.7               |
| 3/13/2010 | 558        | 458.0                     | 100.0              |
| 3/14/2010 | 332        | 216.6                     | 115.4              |
| 3/15/2010 | 176        | 58.3                      | 117.7              |
| 3/16/2010 | 118        | 2.4                       | 115.6              |
| 3/17/2010 | 107        | 0.0                       | 107.0              |
| 3/18/2010 | 95         | 0.0                       | 95.0               |
| 3/19/2010 | 86         | 0.0                       | 86.0               |
| 3/20/2010 | 72         | 0.0                       | 72.0               |
| 3/21/2010 | 82         | 10.6                      | 71.4               |
| 3/22/2010 | 171        | 93.5                      | 77.5               |
| 3/23/2010 | 141        | 60.3                      | 80.7               |
| 3/24/2010 | 111        | 29.5                      | 81.5               |
| 3/25/2010 | 90         | 9.4                       | 80.6               |
| 3/26/2010 | 108        | 26.9                      | 81.1               |
| 3/27/2010 | 119        | 36.6                      | 82.4               |
| 3/28/2010 | 98         | 15.9                      | 82.1               |
| 3/29/2010 | 306        | 208.9                     | 97.1               |
| 3/30/2010 | 318        | 206.3                     | 111.7              |
| 3/31/2010 | 176        | 61.6                      | 114.4              |
| 4/1/2010  | 112        | 0.0                       | 112.0              |
| 4/2/2010  | 93         | 0.0                       | 93.0               |
| 4/3/2010  | 78         | 0.0                       | 78.0               |
| 4/4/2010  | 73         | 0.0                       | 73.0               |
| 4/5/2010  | 69         | 0.0                       | 69.0               |
| 4/6/2010  | 66         | 0.0                       | 66.0               |
| 4/7/2010  | 56         | 0.0                       | 56.0               |
| 4/8/2010  | 48         | 0.0                       | 48.0               |
| 4/9/2010  | 47         | 0.0                       | 47.0               |
| 4/10/2010 | 46         | 0.0                       | 46.0               |
| 4/11/2010 | 42         | 0.0                       | 42.0               |
| 4/12/2010 | 41         | 0.0                       | 41.0               |
| 4/13/2010 | 55         | 13.7                      | 41.3               |
| 4/14/2010 | 57         | 15.3                      | 41.7               |
| 4/15/2010 | 49         | 7.6                       | 41.4               |
| 4/16/2010 | 53         | 11.5                      | 41.5               |
| 4/17/2010 | 50         | 8.6                       | 41.4               |
| 4/18/2010 | 47         | 6.0                       | 41.0               |
| 4/19/2010 | 55         | 13.7                      | 41.3               |
| 4/20/2010 | 59         | 17.1                      | 41.9               |
| 4/21/2010 | 63         | 20.3                      | 42.7               |
| 4/22/2010 | 62         | 18.7                      | 43.3               |
| 4/23/2010 | 56         | 12.6                      | 43.4               |
| 4/24/2010 | 51         | 7.8                       | 43.2               |
| 4/25/2010 | 50         | 7.1                       | 42.9               |
| 4/26/2010 | 109        | 62.0                      | 47.0               |
| 4/27/2010 | 137        | 84.2                      | 52.8               |
| 4/28/2010 | 102        | 46.5                      | 55.5               |
| 4/29/2010 | 81         | 24.7                      | 56.3               |
| 4/30/2010 | 65         | 9.1                       | 55.9               |



## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/1/2010  | 100        | 0.0                       | 100.0              |
| 5/2/2010  | 99         | 2.6                       | 96.4               |
| 5/3/2010  | 93         | 0.4                       | 92.6               |
| 5/4/2010  | 86         | 0.0                       | 86.0               |
| 5/5/2010  | 81         | 0.0                       | 81.0               |
| 5/6/2010  | 85         | 6.2                       | 78.8               |
| 5/7/2010  | 72         | 0.0                       | 72.0               |
| 5/8/2010  | 66         | 0.0                       | 66.0               |
| 5/9/2010  | 63         | 0.0                       | 63.0               |
| 5/10/2010 | 58         | 0.0                       | 58.0               |
| 5/11/2010 | 58         | 2.0                       | 56.0               |
| 5/12/2010 | 63         | 8.0                       | 55.0               |
| 5/13/2010 | 63         | 8.8                       | 54.2               |
| 5/14/2010 | 63         | 9.4                       | 53.6               |
| 5/15/2010 | 66         | 12.6                      | 53.4               |
| 5/16/2010 | 65         | 11.8                      | 53.2               |
| 5/17/2010 | 63         | 10.3                      | 52.7               |
| 5/18/2010 | 63         | 10.7                      | 52.3               |
| 5/19/2010 | 63         | 11.0                      | 52.0               |
| 5/20/2010 | 63         | 11.3                      | 51.7               |
| 5/21/2010 | 59         | 8.1                       | 50.9               |
| 5/22/2010 | 56         | 6.1                       | 49.9               |
| 5/23/2010 | 53         | 4.4                       | 48.6               |
| 5/24/2010 | 50         | 2.9                       | 47.1               |
| 5/25/2010 | 48         | 2.4                       | 45.6               |
| 5/26/2010 | 47         | 2.8                       | 44.2               |
| 5/27/2010 | 45         | 2.2                       | 42.8               |
| 5/28/2010 | 42         | 0.8                       | 41.2               |
| 5/29/2010 | 39         | 0.0                       | 39.0               |
| 5/30/2010 | 49         | 10.0                      | 39.0               |
| 5/31/2010 | 57         | 16.8                      | 40.2               |
| 6/1/2010  | 58         | 16.8                      | 41.2               |
| 6/2/2010  | 65         | 21.9                      | 43.1               |
| 6/3/2010  | 71         | 25.5                      | 45.5               |
| 6/4/2010  | 101        | 49.4                      | 51.6               |
| 6/5/2010  | 183        | 115.1                     | 67.9               |
| 6/6/2010  | 196        | 112.8                     | 83.2               |
| 6/7/2010  | 159        | 68.2                      | 90.8               |
| 6/8/2010  | 115        | 24.0                      | 91.0               |
| 6/9/2010  | 87         | 0.0                       | 87.0               |
| 6/10/2010 | 74         | 0.0                       | 74.0               |
| 6/11/2010 | 57         | 0.0                       | 57.0               |
| 6/12/2010 | 48         | 0.0                       | 48.0               |
| 6/13/2010 | 41         | 0.0                       | 41.0               |
| 6/14/2010 | 40         | 0.6                       | 39.4               |
| 6/15/2010 | 38         | 0.1                       | 37.9               |
| 6/16/2010 | 38         | 1.4                       | 36.6               |
| 6/17/2010 | 42         | 5.9                       | 36.1               |
| 6/18/2010 | 86         | 44.3                      | 41.7               |
| 6/19/2010 | 114        | 63.7                      | 50.3               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/1/2010  | 33         | 5.7                       | 27.3               |
| 5/2/2010  | 30         | 2.9                       | 27.1               |
| 5/3/2010  | 27         | 0.2                       | 26.8               |
| 5/4/2010  | 25         | 0.0                       | 25.0               |
| 5/5/2010  | 29         | 4.1                       | 24.9               |
| 5/6/2010  | 36         | 10.9                      | 25.1               |
| 5/7/2010  | 31         | 5.9                       | 25.1               |
| 5/8/2010  | 28         | 3.0                       | 25.0               |
| 5/9/2010  | 25         | 0.3                       | 24.7               |
| 5/10/2010 | 23         | 0.0                       | 23.0               |
| 5/11/2010 | 22         | 0.0                       | 22.0               |
| 5/12/2010 | 22         | 0.2                       | 21.8               |
| 5/13/2010 | 20         | 0.0                       | 20.0               |
| 5/14/2010 | 20         | 0.2                       | 19.8               |
| 5/15/2010 | 20         | 0.4                       | 19.6               |
| 5/16/2010 | 19         | 0.0                       | 19.0               |
| 5/17/2010 | 20         | 1.1                       | 18.9               |
| 5/18/2010 | 22         | 3.2                       | 18.8               |
| 5/19/2010 | 20         | 1.3                       | 18.7               |
| 5/20/2010 | 19         | 0.5                       | 18.5               |
| 5/21/2010 | 18         | 0.0                       | 18.0               |
| 5/22/2010 | 18         | 0.2                       | 17.8               |
| 5/23/2010 | 17         | 0.0                       | 17.0               |
| 5/24/2010 | 17         | 0.2                       | 16.8               |
| 5/25/2010 | 17         | 0.3                       | 16.7               |
| 5/26/2010 | 17         | 0.5                       | 16.5               |
| 5/27/2010 | 17         | 0.6                       | 16.4               |
| 5/28/2010 | 16         | 0.0                       | 16.0               |
| 5/29/2010 | 16         | 0.2                       | 15.8               |
| 5/30/2010 | 16         | 0.3                       | 15.7               |
| 5/31/2010 | 17         | 1.4                       | 15.6               |
| 6/1/2010  | 17         | 1.5                       | 15.5               |
| 6/2/2010  | 20         | 4.5                       | 15.5               |
| 6/3/2010  | 21         | 5.4                       | 15.6               |
| 6/4/2010  | 21         | 5.4                       | 15.6               |
| 6/5/2010  | 23         | 7.2                       | 15.8               |
| 6/6/2010  | 21         | 5.2                       | 15.8               |
| 6/7/2010  | 21         | 5.1                       | 15.9               |
| 6/8/2010  | 20         | 4.1                       | 15.9               |
| 6/9/2010  | 18         | 2.2                       | 15.8               |
| 6/10/2010 | 17         | 1.3                       | 15.7               |
| 6/11/2010 | 16         | 0.4                       | 15.6               |
| 6/12/2010 | 16         | 0.6                       | 15.4               |
| 6/13/2010 | 15         | 0.0                       | 15.0               |
| 6/14/2010 | 15         | 0.1                       | 14.9               |
| 6/15/2010 | 15         | 0.3                       | 14.7               |
| 6/16/2010 | 15         | 0.4                       | 14.6               |
| 6/17/2010 | 15         | 0.5                       | 14.5               |
| 6/18/2010 | 16         | 1.6                       | 14.4               |
| 6/19/2010 | 16         | 1.7                       | 14.3               |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/1/2010  | 58         | 3.0                       | 55.0               |
| 5/2/2010  | 54         | 0.1                       | 53.9               |
| 5/3/2010  | 51         | 0.0                       | 51.0               |
| 5/4/2010  | 63         | 12.1                      | 50.9               |
| 5/5/2010  | 63         | 12.1                      | 50.9               |
| 5/6/2010  | 71         | 19.6                      | 51.4               |
| 5/7/2010  | 48         | 0.0                       | 48.0               |
| 5/8/2010  | 39         | 0.0                       | 39.0               |
| 5/9/2010  | 36         | 0.0                       | 36.0               |
| 5/10/2010 | 35         | 0.0                       | 35.0               |
| 5/11/2010 | 41         | 6.2                       | 34.8               |
| 5/12/2010 | 53         | 17.5                      | 35.5               |
| 5/13/2010 | 53         | 16.9                      | 36.1               |
| 5/14/2010 | 48         | 11.7                      | 36.3               |
| 5/15/2010 | 48         | 11.5                      | 36.5               |
| 5/16/2010 | 43         | 6.7                       | 36.3               |
| 5/17/2010 | 46         | 9.6                       | 36.4               |
| 5/18/2010 | 67         | 29.0                      | 38.0               |
| 5/19/2010 | 53         | 14.6                      | 38.4               |
| 5/20/2010 | 49         | 10.5                      | 38.5               |
| 5/21/2010 | 46         | 7.7                       | 38.3               |
| 5/22/2010 | 45         | 6.9                       | 38.1               |
| 6/1/2010  | 63         | 23.8                      | 39.2               |
| 6/2/2010  | 57         | 17.2                      | 39.8               |
| 6/3/2010  | 60         | 19.4                      | 40.6               |
| 6/4/2010  | 61         | 19.7                      | 41.3               |
| 7/1/2010  | 67         | 24.5                      | 42.5               |
| 7/2/2010  | 108        | 61.5                      | 46.5               |
| 7/3/2010  | 178        | 122.6                     | 55.4               |
| 7/4/2010  | 157        | 95.1                      | 61.9               |
| 8/1/2010  | 32         | 0.0                       | 32.0               |
| 8/2/2010  | 35         | 3.4                       | 31.6               |
| 8/3/2010  | 38         | 6.5                       | 31.5               |
| 8/4/2010  | 37         | 5.7                       | 31.3               |
| 9/1/2010  | 37         | 5.8                       | 31.2               |
| 9/2/2010  | 37         | 6.0                       | 31.0               |
| 9/3/2010  | 36         | 5.2                       | 30.8               |
| 9/4/2010  | 40         | 9.1                       | 30.9               |
| 10/1/2010 | 161        | 121.0                     | 40.0               |
| 10/2/2010 | 99         | 55.4                      | 43.6               |
| 10/3/2010 | 74         | 28.9                      | 45.1               |
| 10/4/2010 | 64         | 18.4                      | 45.6               |
| 11/1/2010 | 37         | 0.0                       | 37.0               |
| 11/2/2010 | 39         | 2.5                       | 36.5               |
| 11/3/2010 | 39         | 3.0                       | 36.0               |
| 11/4/2010 | 41         | 5.3                       | 35.7               |
| 12/1/2010 | 67         | 29.7                      | 37.3               |
| 12/2/2010 | 65         | 26.3                      | 38.7               |
| 12/3/2010 | 57         | 17.7                      | 39.3               |
| 12/4/2010 | 48         | 8.7                       | 39.3               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/20/2010 | 118        | 60.1                      | 57.9               |
| 6/21/2010 | 137        | 70.2                      | 66.8               |
| 6/22/2010 | 122        | 49.9                      | 72.1               |
| 6/23/2010 | 99         | 25.7                      | 73.3               |
| 6/24/2010 | 84         | 11.7                      | 72.3               |
| 6/25/2010 | 73         | 3.1                       | 69.9               |
| 6/26/2010 | 67         | 0.0                       | 67.0               |
| 6/27/2010 | 63         | 0.0                       | 63.0               |
| 6/28/2010 | 60         | 0.0                       | 60.0               |
| 6/29/2010 | 57         | 0.0                       | 57.0               |
| 6/30/2010 | 53         | 0.0                       | 53.0               |
| 7/1/2010  | 48         | 0.0                       | 48.0               |
| 7/2/2010  | 45         | 0.0                       | 45.0               |
| 7/3/2010  | 51         | 6.7                       | 44.3               |
| 7/4/2010  | 56         | 11.6                      | 44.4               |
| 7/5/2010  | 67         | 21.0                      | 46.0               |
| 7/6/2010  | 74         | 25.8                      | 48.2               |
| 7/7/2010  | 67         | 17.8                      | 49.2               |
| 7/8/2010  | 59         | 10.2                      | 48.8               |
| 7/9/2010  | 55         | 7.0                       | 48.0               |
| 7/10/2010 | 52         | 5.1                       | 46.9               |
| 7/11/2010 | 47         | 1.7                       | 45.3               |
| 7/12/2010 | 42         | 0.0                       | 42.0               |
| 7/13/2010 | 43         | 2.3                       | 40.7               |
| 7/14/2010 | 54         | 12.9                      | 41.1               |
| 7/15/2010 | 52         | 10.8                      | 41.2               |
| 7/16/2010 | 44         | 3.8                       | 40.2               |
| 7/17/2010 | 41         | 2.1                       | 38.9               |
| 7/18/2010 | 41         | 3.2                       | 37.8               |
| 7/19/2010 | 40         | 3.2                       | 36.8               |
| 7/20/2010 | 39         | 3.1                       | 35.9               |
| 7/21/2010 | 51         | 14.3                      | 36.7               |
| 7/22/2010 | 51         | 13.6                      | 37.4               |
| 7/23/2010 | 29         | 0.0                       | 29.0               |
| 7/24/2010 | 33         | 4.4                       | 28.6               |
| 7/25/2010 | 34         | 5.7                       | 28.3               |
| 7/26/2010 | 33         | 5.0                       | 28.0               |
| 7/27/2010 | 28         | 1.0                       | 27.0               |
| 7/28/2010 | 23         | 0.0                       | 23.0               |
| 7/29/2010 | 24         | 1.7                       | 22.3               |
| 7/30/2010 | 22         | 0.5                       | 21.5               |
| 7/31/2010 | 20         | 0.0                       | 20.0               |
| 8/1/2010  | 18         | 0.0                       | 18.0               |
| 8/2/2010  | 17         | 0.0                       | 17.0               |
| 8/3/2010  | 15         | 0.0                       | 15.0               |
| 8/4/2010  | 17         | 2.2                       | 14.8               |
| 8/5/2010  | 29         | 12.8                      | 16.2               |
| 8/6/2010  | 40         | 21.1                      | 18.9               |
| 8/7/2010  | 37         | 16.2                      | 20.8               |
| 8/8/2010  | 36         | 13.8                      | 22.2               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 6/20/2010 | 15         | 0.8                       | 14.2               |
| 6/21/2010 | 15         | 0.9                       | 14.1               |
| 6/22/2010 | 15         | 1.0                       | 14.0               |
| 6/23/2010 | 14         | 0.1                       | 13.9               |
| 6/24/2010 | 13         | 0.0                       | 13.0               |
| 6/25/2010 | 13         | 0.1                       | 12.9               |
| 6/26/2010 | 12         | 0.0                       | 12.0               |
| 6/27/2010 | 12         | 0.1                       | 11.9               |
| 6/28/2010 | 12         | 0.2                       | 11.8               |
| 6/29/2010 | 12         | 0.3                       | 11.7               |
| 6/30/2010 | 11         | 0.0                       | 11.0               |
| 7/1/2010  | 11         | 0.1                       | 10.9               |
| 7/2/2010  | 11         | 0.2                       | 10.8               |
| 7/3/2010  | 11         | 0.3                       | 10.7               |
| 7/4/2010  | 12         | 1.4                       | 10.6               |
| 7/5/2010  | 14         | 3.3                       | 10.7               |
| 7/6/2010  | 14         | 3.3                       | 10.7               |
| 7/7/2010  | 13         | 2.3                       | 10.7               |
| 7/8/2010  | 13         | 2.3                       | 10.7               |
| 7/9/2010  | 12         | 1.4                       | 10.6               |
| 7/10/2010 | 12         | 1.4                       | 10.6               |
| 7/11/2010 | 11         | 0.5                       | 10.5               |
| 7/12/2010 | 11         | 0.6                       | 10.4               |
| 7/13/2010 | 10         | 0.0                       | 10.0               |
| 7/14/2010 | 10         | 0.1                       | 9.9                |
| 7/15/2010 | 10         | 0.2                       | 9.8                |
| 7/16/2010 | 9.9        | 0.2                       | 9.7                |
| 7/17/2010 | 9.7        | 0.1                       | 9.6                |
| 7/18/2010 | 9.4        | 0.0                       | 9.4                |
| 7/19/2010 | 9.3        | 0.0                       | 9.3                |
| 7/20/2010 | 9.1        | 0.0                       | 9.1                |
| 7/21/2010 | 8.8        | 0.0                       | 8.8                |
| 7/22/2010 | 8.5        | 0.0                       | 8.5                |
| 7/23/2010 | 8.6        | 0.2                       | 8.4                |
| 7/24/2010 | 9.1        | 0.7                       | 8.4                |
| 7/25/2010 | 10         | 1.7                       | 8.3                |
| 7/26/2010 | 14         | 5.5                       | 8.5                |
| 7/27/2010 | 16         | 7.3                       | 8.7                |
| 7/28/2010 | 10         | 1.3                       | 8.7                |
| 7/29/2010 | 8.5        | 0.0                       | 8.5                |
| 7/30/2010 | 8.1        | 0.0                       | 8.1                |
| 7/31/2010 | 8          | 0.0                       | 8.0                |
| 8/1/2010  | 7.9        | 0.0                       | 7.9                |
| 8/2/2010  | 7.8        | 0.0                       | 7.8                |
| 8/3/2010  | 7.5        | 0.0                       | 7.5                |
| 8/4/2010  | 7.2        | 0.0                       | 7.2                |
| 8/5/2010  | 9.9        | 2.7                       | 7.2                |
| 8/6/2010  | 9.6        | 2.3                       | 7.3                |
| 8/7/2010  | 8.5        | 1.3                       | 7.2                |
| 8/8/2010  | 8.5        | 1.3                       | 7.2                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 5/23/2010 | 41         | 2.3                       | 38.7               |
| 5/24/2010 | 40         | 2.0                       | 38.0               |
| 5/25/2010 | 39         | 1.6                       | 37.4               |
| 5/26/2010 | 37         | 0.3                       | 36.7               |
| 5/27/2010 | 38         | 1.9                       | 36.1               |
| 5/28/2010 | 35         | 0.0                       | 35.0               |
| 5/29/2010 | 44         | 9.0                       | 35.0               |
| 5/30/2010 | 46         | 10.8                      | 35.2               |
| 5/31/2010 | 49         | 13.4                      | 35.6               |
| 6/5/2010  | 104        | 64.0                      | 40.0               |
| 6/6/2010  | 122        | 76.7                      | 45.3               |
| 6/7/2010  | 114        | 64.4                      | 49.6               |
| 6/8/2010  | 118        | 64.3                      | 53.7               |
| 6/9/2010  | 114        | 56.8                      | 57.2               |
| 6/10/2010 | 83         | 25.0                      | 58.0               |
| 6/11/2010 | 51         | 0.0                       | 51.0               |
| 6/12/2010 | 44         | 0.0                       | 44.0               |
| 6/13/2010 | 44         | 0.8                       | 43.2               |
| 6/14/2010 | 53         | 9.9                       | 43.1               |
| 6/15/2010 | 53         | 10.0                      | 43.0               |
| 6/16/2010 | 57         | 13.7                      | 43.3               |
| 6/17/2010 | 62         | 18.1                      | 43.9               |
| 6/18/2010 | 110        | 62.0                      | 48.0               |
| 6/19/2010 | 149        | 94.4                      | 54.6               |
| 6/20/2010 | 150        | 89.4                      | 60.6               |
| 6/21/2010 | 129        | 64.4                      | 64.6               |
| 6/22/2010 | 107        | 40.5                      | 66.5               |
| 6/23/2010 | 86         | 19.3                      | 66.7               |
| 6/24/2010 | 61         | 0.0                       | 61.0               |
| 6/25/2010 | 51         | 0.0                       | 51.0               |
| 6/26/2010 | 43         | 0.0                       | 43.0               |
| 6/27/2010 | 41         | 0.0                       | 41.0               |
| 6/28/2010 | 46         | 5.4                       | 40.6               |
| 6/29/2010 | 87         | 43.7                      | 43.3               |
| 6/30/2010 | 71         | 26.5                      | 44.5               |
| 7/5/2010  | 253        | 193.8                     | 59.2               |
| 7/6/2010  | 233        | 162.1                     | 70.9               |
| 7/7/2010  | 156        | 80.1                      | 75.9               |
| 7/8/2010  | 101        | 24.6                      | 76.4               |
| 7/9/2010  | 81         | 5.7                       | 75.3               |
| 7/10/2010 | 67         | 0.0                       | 67.0               |
| 7/11/2010 | 61         | 0.0                       | 61.0               |
| 7/12/2010 | 58         | 0.0                       | 58.0               |
| 7/13/2010 | 45         | 0.0                       | 45.0               |
| 7/14/2010 | 38         | 0.0                       | 38.0               |
| 7/15/2010 | 41         | 3.5                       | 37.5               |
| 7/16/2010 | 52         | 14.1                      | 37.9               |
| 7/17/2010 | 56         | 17.5                      | 38.5               |
| 7/18/2010 | 50         | 11.3                      | 38.7               |
| 7/19/2010 | 46         | 7.5                       | 38.5               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/9/2010  | 38         | 14.4                      | 23.6               |
| 8/10/2010 | 41         | 15.8                      | 25.2               |
| 8/11/2010 | 42         | 15.4                      | 26.6               |
| 8/12/2010 | 42         | 14.2                      | 27.8               |
| 8/13/2010 | 40         | 11.5                      | 28.5               |
| 8/14/2010 | 38         | 9.1                       | 28.9               |
| 8/15/2010 | 35         | 6.3                       | 28.7               |
| 8/16/2010 | 32         | 3.8                       | 28.2               |
| 8/17/2010 | 32         | 4.3                       | 27.7               |
| 8/18/2010 | 33         | 5.5                       | 27.5               |
| 8/19/2010 | 30         | 3.1                       | 26.9               |
| 8/20/2010 | 24         | 0.0                       | 24.0               |
| 8/21/2010 | 22         | 0.0                       | 22.0               |
| 8/22/2010 | 26         | 4.2                       | 21.8               |
| 8/23/2010 | 41         | 17.3                      | 23.7               |
| 8/24/2010 | 50         | 23.5                      | 26.5               |
| 8/25/2010 | 48         | 19.4                      | 28.6               |
| 8/26/2010 | 44         | 14.3                      | 29.7               |
| 8/27/2010 | 40         | 9.9                       | 30.1               |
| 8/28/2010 | 36         | 6.1                       | 29.9               |
| 8/29/2010 | 33         | 3.7                       | 29.3               |
| 8/30/2010 | 30         | 1.6                       | 28.4               |
| 8/31/2010 | 26         | 0.0                       | 26.0               |
| 9/1/2010  | 22         | 0.0                       | 22.0               |
| 9/2/2010  | 19         | 0.0                       | 19.0               |
| 9/3/2010  | 18         | 0.0                       | 18.0               |
| 9/4/2010  | 15         | 0.0                       | 15.0               |
| 9/5/2010  | 17         | 2.2                       | 14.8               |
| 9/6/2010  | 50         | 30.9                      | 19.1               |
| 9/7/2010  | 115        | 83.3                      | 31.7               |
| 9/8/2010  | 139        | 93.6                      | 45.4               |
| 9/9/2010  | 115        | 61.6                      | 53.4               |
| 9/10/2010 | 87         | 30.8                      | 56.2               |
| 9/11/2010 | 70         | 13.8                      | 56.2               |
| 9/12/2010 | 57         | 2.6                       | 54.4               |
| 9/13/2010 | 46         | 0.0                       | 46.0               |
| 9/14/2010 | 37         | 0.0                       | 37.0               |
| 9/15/2010 | 31         | 0.0                       | 31.0               |
| 9/16/2010 | 28         | 0.0                       | 28.0               |
| 9/17/2010 | 24         | 0.0                       | 24.0               |
| 9/18/2010 | 20         | 0.0                       | 20.0               |
| 9/19/2010 | 18         | 0.0                       | 18.0               |
| 9/20/2010 | 17         | 0.0                       | 17.0               |
| 9/21/2010 | 14         | 0.0                       | 14.0               |
| 9/22/2010 | 14         | 0.5                       | 13.5               |
| 9/23/2010 | 15         | 1.7                       | 13.3               |
| 9/24/2010 | 15         | 2.0                       | 13.0               |
| 9/25/2010 | 18         | 4.7                       | 13.3               |
| 9/26/2010 | 20         | 6.3                       | 13.7               |
| 9/27/2010 | 34         | 17.9                      | 16.1               |

## North Prong

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 8/9/2010  | 8.6        | 1.4                       | 7.2                |
| 8/10/2010 | 9          | 1.8                       | 7.2                |
| 8/11/2010 | 8.8        | 1.6                       | 7.2                |
| 8/12/2010 | 8.1        | 0.9                       | 7.2                |
| 8/13/2010 | 7.8        | 0.7                       | 7.1                |
| 8/14/2010 | 7.9        | 0.8                       | 7.1                |
| 8/15/2010 | 18         | 10.6                      | 7.4                |
| 8/16/2010 | 11         | 3.5                       | 7.5                |
| 8/17/2010 | 8.7        | 1.2                       | 7.5                |
| 8/18/2010 | 8.3        | 0.9                       | 7.4                |
| 8/19/2010 | 8.1        | 0.7                       | 7.4                |
| 8/20/2010 | 8.1        | 0.8                       | 7.3                |
| 8/21/2010 | 8.1        | 0.8                       | 7.3                |
| 8/22/2010 | 11         | 3.6                       | 7.4                |
| 8/23/2010 | 12         | 4.5                       | 7.5                |
| 8/24/2010 | 11         | 3.5                       | 7.5                |
| 8/25/2010 | 11         | 3.4                       | 7.6                |
| 8/26/2010 | 11         | 3.3                       | 7.7                |
| 8/27/2010 | 10         | 2.3                       | 7.7                |
| 8/28/2010 | 10         | 2.3                       | 7.7                |
| 8/29/2010 | 10         | 2.3                       | 7.7                |
| 8/30/2010 | 9.8        | 2.1                       | 7.7                |
| 8/31/2010 | 9.4        | 1.7                       | 7.7                |
| 9/1/2010  | 9.1        | 1.4                       | 7.7                |
| 9/2/2010  | 8.7        | 1.1                       | 7.6                |
| 9/3/2010  | 8.4        | 0.8                       | 7.6                |
| 9/4/2010  | 8.2        | 0.6                       | 7.6                |
| 9/5/2010  | 8.3        | 0.8                       | 7.5                |
| 9/6/2010  | 11         | 3.4                       | 7.6                |
| 9/7/2010  | 13         | 5.3                       | 7.7                |
| 9/8/2010  | 15         | 7.1                       | 7.9                |
| 9/9/2010  | 13         | 5.0                       | 8.0                |
| 9/10/2010 | 15         | 6.8                       | 8.2                |
| 9/11/2010 | 14         | 5.6                       | 8.4                |
| 9/12/2010 | 12         | 3.6                       | 8.4                |
| 9/13/2010 | 11         | 2.6                       | 8.4                |
| 9/14/2010 | 11         | 2.5                       | 8.5                |
| 9/15/2010 | 10         | 1.6                       | 8.4                |
| 9/16/2010 | 10         | 1.6                       | 8.4                |
| 9/17/2010 | 9.8        | 1.4                       | 8.4                |
| 9/18/2010 | 9.4        | 1.1                       | 8.3                |
| 9/19/2010 | 9.2        | 0.9                       | 8.3                |
| 9/20/2010 | 9          | 0.8                       | 8.2                |
| 9/21/2010 | 8.8        | 0.6                       | 8.2                |
| 9/22/2010 | 8.6        | 0.5                       | 8.1                |
| 9/23/2010 | 8.5        | 0.4                       | 8.1                |
| 9/24/2010 | 9.2        | 1.2                       | 8.0                |
| 9/25/2010 | 9          | 1.0                       | 8.0                |
| 9/26/2010 | 8.8        | 0.9                       | 7.9                |
| 9/27/2010 | 9.1        | 1.2                       | 7.9                |

## Fellsmere Canal

| Day       | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----------|------------|---------------------------|--------------------|
| 7/20/2010 | 41         | 3.0                       | 38.0               |
| 7/21/2010 | 37         | 0.0                       | 37.0               |
| 7/22/2010 | 35         | 0.0                       | 35.0               |
| 7/23/2010 | 33         | 0.0                       | 33.0               |
| 7/24/2010 | 36         | 3.4                       | 32.6               |
| 7/25/2010 | 54         | 20.4                      | 33.6               |
| 7/26/2010 | 51         | 16.7                      | 34.3               |
| 7/27/2010 | 42         | 7.8                       | 34.2               |
| 7/28/2010 | 37         | 3.2                       | 33.8               |
| 7/29/2010 | 40         | 6.4                       | 33.6               |
| 7/30/2010 | 37         | 3.8                       | 33.2               |
| 7/31/2010 | 36         | 3.2                       | 32.8               |
| 8/5/2010  | 42         | 9.1                       | 32.9               |
| 8/6/2010  | 52         | 18.3                      | 33.7               |
| 8/7/2010  | 56         | 21.3                      | 34.7               |
| 8/8/2010  | 53         | 17.6                      | 35.4               |
| 8/9/2010  | 49         | 13.2                      | 35.8               |
| 8/10/2010 | 48         | 12.0                      | 36.0               |
| 8/11/2010 | 62         | 24.7                      | 37.3               |
| 8/12/2010 | 67         | 28.2                      | 38.8               |
| 8/13/2010 | 74         | 33.3                      | 40.7               |
| 8/14/2010 | 67         | 25.1                      | 41.9               |
| 8/15/2010 | 62         | 19.4                      | 42.6               |
| 8/16/2010 | 55         | 12.3                      | 42.7               |
| 8/17/2010 | 49         | 6.6                       | 42.4               |
| 8/18/2010 | 43         | 1.3                       | 41.7               |
| 8/19/2010 | 40         | 0.0                       | 40.0               |
| 8/20/2010 | 38         | 0.0                       | 38.0               |
| 8/21/2010 | 35         | 0.0                       | 35.0               |
| 8/22/2010 | 39         | 4.4                       | 34.6               |
| 8/23/2010 | 42         | 7.4                       | 34.6               |
| 8/24/2010 | 61         | 25.1                      | 35.9               |
| 8/25/2010 | 51         | 14.7                      | 36.3               |
| 8/26/2010 | 41         | 5.0                       | 36.0               |
| 8/27/2010 | 44         | 8.1                       | 35.9               |
| 8/28/2010 | 45         | 9.1                       | 35.9               |
| 8/29/2010 | 40         | 4.4                       | 35.6               |
| 8/30/2010 | 39         | 3.8                       | 35.2               |
| 8/31/2010 | 38         | 3.3                       | 34.7               |
| 9/5/2010  | 39         | 4.6                       | 34.4               |
| 9/6/2010  | 60         | 24.3                      | 35.7               |
| 9/7/2010  | 262        | 210.2                     | 51.8               |
| 9/8/2010  | 197        | 135.4                     | 61.6               |
| 9/9/2010  | 127        | 61.7                      | 65.3               |
| 9/10/2010 | 103        | 36.1                      | 66.9               |
| 9/11/2010 | 89         | 21.7                      | 67.3               |
| 9/12/2010 | 84         | 16.7                      | 67.3               |
| 9/13/2010 | 79         | 12.1                      | 66.9               |
| 9/14/2010 | 67         | 1.4                       | 65.6               |
| 9/15/2010 | 51         | 0.0                       | 51.0               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/28/2010  | 87         | 61.7                      | 25.3               |
| 9/29/2010  | 179        | 133.4                     | 45.6               |
| 9/30/2010  | 159        | 99.3                      | 59.7               |
| 10/1/2010  | 114        | 48.9                      | 65.1               |
| 10/2/2010  | 90         | 23.7                      | 66.3               |
| 10/3/2010  | 72         | 7.2                       | 64.8               |
| 10/4/2010  | 60         | 0.0                       | 60.0               |
| 10/5/2010  | 51         | 0.0                       | 51.0               |
| 10/6/2010  | 42         | 0.0                       | 42.0               |
| 10/7/2010  | 37         | 0.0                       | 37.0               |
| 10/8/2010  | 35         | 0.0                       | 35.0               |
| 10/9/2010  | 33         | 0.0                       | 33.0               |
| 10/10/2010 | 32         | 0.3                       | 31.7               |
| 10/11/2010 | 30         | 0.0                       | 30.0               |
| 10/12/2010 | 28         | 0.0                       | 28.0               |
| 10/13/2010 | 27         | 0.1                       | 26.9               |
| 10/14/2010 | 28         | 1.9                       | 26.1               |
| 10/15/2010 | 27         | 1.7                       | 25.3               |
| 10/16/2010 | 28         | 3.2                       | 24.8               |
| 10/17/2010 | 29         | 4.4                       | 24.6               |
| 10/18/2010 | 29         | 4.7                       | 24.3               |
| 10/19/2010 | 27         | 3.1                       | 23.9               |
| 10/20/2010 | 26         | 2.7                       | 23.3               |
| 10/21/2010 | 26         | 3.1                       | 22.9               |
| 10/22/2010 | 25         | 2.6                       | 22.4               |
| 10/23/2010 | 24         | 2.2                       | 21.8               |
| 10/24/2010 | 26         | 4.3                       | 21.7               |
| 10/25/2010 | 28         | 6.2                       | 21.8               |
| 10/26/2010 | 27         | 5.2                       | 21.8               |
| 10/27/2010 | 26         | 4.4                       | 21.6               |
| 10/28/2010 | 25         | 3.7                       | 21.3               |
| 10/29/2010 | 22         | 1.3                       | 20.7               |
| 10/30/2010 | 22         | 1.9                       | 20.1               |
| 10/31/2010 | 24         | 4.0                       | 20.0               |
| 11/1/2010  | 25         | 5.0                       | 20.0               |
| 11/2/2010  | 23         | 3.3                       | 19.7               |
| 11/3/2010  | 21         | 1.8                       | 19.2               |
| 11/4/2010  | 25         | 5.7                       | 19.3               |
| 11/5/2010  | 29         | 9.0                       | 20.0               |
| 11/6/2010  | 30         | 9.3                       | 20.7               |
| 11/7/2010  | 31         | 9.6                       | 21.4               |
| 11/8/2010  | 32         | 9.9                       | 22.1               |
| 11/9/2010  | 28         | 5.8                       | 22.2               |
| 11/10/2010 | 24         | 2.3                       | 21.7               |
| 11/11/2010 | 22         | 1.0                       | 21.0               |
| 11/12/2010 | 19         | 0.0                       | 19.0               |
| 11/13/2010 | 18         | 0.0                       | 18.0               |
| 11/14/2010 | 20         | 2.3                       | 17.7               |
| 11/15/2010 | 21         | 3.5                       | 17.5               |
| 11/16/2010 | 20         | 2.8                       | 17.2               |

## North Prong

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/28/2010  | 23         | 14.6                      | 8.4                |
| 9/29/2010  | 87         | 75.6                      | 11.4               |
| 9/30/2010  | 42         | 29.6                      | 12.4               |
| 10/1/2010  | 35         | 21.8                      | 13.2               |
| 10/2/2010  | 29         | 15.3                      | 13.7               |
| 10/3/2010  | 25         | 11.0                      | 14.0               |
| 10/4/2010  | 22         | 7.9                       | 14.1               |
| 10/5/2010  | 20         | 5.8                       | 14.2               |
| 10/6/2010  | 19         | 4.7                       | 14.3               |
| 10/7/2010  | 18         | 3.7                       | 14.3               |
| 10/8/2010  | 17         | 2.8                       | 14.2               |
| 10/9/2010  | 16         | 1.8                       | 14.2               |
| 10/10/2010 | 15         | 0.9                       | 14.1               |
| 10/11/2010 | 15         | 1.0                       | 14.0               |
| 10/12/2010 | 15         | 1.1                       | 13.9               |
| 10/13/2010 | 14         | 0.3                       | 13.7               |
| 10/14/2010 | 13         | 0.0                       | 13.0               |
| 10/15/2010 | 13         | 0.1                       | 12.9               |
| 10/16/2010 | 12         | 0.0                       | 12.0               |
| 10/17/2010 | 12         | 0.1                       | 11.9               |
| 10/18/2010 | 12         | 0.2                       | 11.8               |
| 10/19/2010 | 12         | 0.3                       | 11.7               |
| 10/20/2010 | 12         | 0.4                       | 11.6               |
| 10/21/2010 | 11         | 0.0                       | 11.0               |
| 10/22/2010 | 11         | 0.1                       | 10.9               |
| 10/23/2010 | 11         | 0.2                       | 10.8               |
| 10/24/2010 | 11         | 0.3                       | 10.7               |
| 10/25/2010 | 10         | 0.0                       | 10.0               |
| 10/26/2010 | 10         | 0.1                       | 9.9                |
| 10/27/2010 | 10         | 0.2                       | 9.8                |
| 10/28/2010 | 9.9        | 0.2                       | 9.7                |
| 10/29/2010 | 10         | 0.4                       | 9.6                |
| 10/30/2010 | 9.7        | 0.2                       | 9.5                |
| 10/31/2010 | 9.5        | 0.0                       | 9.5                |
| 11/1/2010  | 9.4        | 0.0                       | 9.4                |
| 11/2/2010  | 9.4        | 0.1                       | 9.3                |
| 11/3/2010  | 9.7        | 0.5                       | 9.2                |
| 11/4/2010  | 12         | 2.8                       | 9.2                |
| 11/5/2010  | 11         | 1.8                       | 9.2                |
| 11/6/2010  | 9.8        | 0.7                       | 9.1                |
| 11/7/2010  | 9.5        | 0.4                       | 9.1                |
| 11/8/2010  | 9.5        | 0.5                       | 9.0                |
| 11/9/2010  | 9.2        | 0.3                       | 8.9                |
| 11/10/2010 | 9.2        | 0.4                       | 8.8                |
| 11/11/2010 | 9.3        | 0.5                       | 8.8                |
| 11/12/2010 | 9.2        | 0.5                       | 8.7                |
| 11/13/2010 | 9.1        | 0.5                       | 8.6                |
| 11/14/2010 | 8.9        | 0.3                       | 8.6                |
| 11/15/2010 | 8.9        | 0.4                       | 8.5                |
| 11/16/2010 | 9          | 0.6                       | 8.4                |

## Fellsmere Canal

| Day        | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------|------------|---------------------------|--------------------|
| 9/16/2010  | 48         | 0.0                       | 48.0               |
| 9/17/2010  | 46         | 0.0                       | 46.0               |
| 9/18/2010  | 48         | 2.7                       | 45.3               |
| 9/19/2010  | 44         | 0.0                       | 44.0               |
| 9/20/2010  | 44         | 0.8                       | 43.2               |
| 9/21/2010  | 48         | 5.3                       | 42.7               |
| 9/22/2010  | 45         | 2.9                       | 42.1               |
| 9/23/2010  | 47         | 5.3                       | 41.7               |
| 9/24/2010  | 45         | 3.8                       | 41.2               |
| 9/25/2010  | 53         | 11.7                      | 41.3               |
| 9/26/2010  | 55         | 13.5                      | 41.5               |
| 9/27/2010  | 51         | 9.5                       | 41.5               |
| 9/28/2010  | 93         | 48.5                      | 44.5               |
| 9/29/2010  | 410        | 339.2                     | 70.8               |
| 9/30/2010  | 323        | 234.9                     | 88.1               |
| 10/5/2010  | 59         | 0.0                       | 59.0               |
| 10/6/2010  | 63         | 4.8                       | 58.2               |
| 10/7/2010  | 54         | 0.0                       | 54.0               |
| 10/8/2010  | 56         | 2.9                       | 53.1               |
| 10/9/2010  | 54         | 1.8                       | 52.2               |
| 10/10/2010 | 54         | 2.6                       | 51.4               |
| 10/11/2010 | 53         | 2.4                       | 50.6               |
| 10/12/2010 | 52         | 2.3                       | 49.7               |
| 10/13/2010 | 47         | 0.0                       | 47.0               |
| 10/14/2010 | 48         | 1.8                       | 46.2               |
| 10/15/2010 | 48         | 2.5                       | 45.5               |
| 10/16/2010 | 46         | 1.3                       | 44.7               |
| 10/17/2010 | 43         | 0.0                       | 43.0               |
| 10/18/2010 | 43         | 0.8                       | 42.2               |
| 10/19/2010 | 46         | 4.3                       | 41.7               |
| 10/20/2010 | 45         | 3.8                       | 41.2               |
| 10/21/2010 | 46         | 5.2                       | 40.8               |
| 10/22/2010 | 49         | 8.4                       | 40.6               |
| 10/23/2010 | 48         | 7.6                       | 40.4               |
| 10/24/2010 | 43         | 3.1                       | 39.9               |
| 10/25/2010 | 42         | 2.7                       | 39.3               |
| 10/26/2010 | 43         | 4.2                       | 38.8               |
| 10/27/2010 | 41         | 2.7                       | 38.3               |
| 10/28/2010 | 41         | 3.2                       | 37.8               |
| 10/29/2010 | 39         | 1.8                       | 37.2               |
| 10/30/2010 | 39         | 2.4                       | 36.6               |
| 10/31/2010 | 38         | 2.0                       | 36.0               |
| 11/5/2010  | 45         | 9.0                       | 36.0               |
| 11/6/2010  | 40         | 4.3                       | 35.7               |
| 11/7/2010  | 40         | 4.7                       | 35.3               |
| 11/8/2010  | 45         | 9.6                       | 35.4               |
| 11/9/2010  | 45         | 9.6                       | 35.4               |
| 11/10/2010 | 43         | 7.7                       | 35.3               |
| 11/11/2010 | 38         | 3.1                       | 34.9               |
| 11/12/2010 | 39         | 4.5                       | 34.5               |

## Crane Creek

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## Hickory St. Drainage Canal

| Day | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|-----|------------|---------------------------|--------------------|
|-----|------------|---------------------------|--------------------|

## South Prong

| Day                          | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------------------------|------------|---------------------------|--------------------|
| 11/17/2010                   | 21         | 3.8                       | 17.2               |
| 11/18/2010                   | 32         | 13.4                      | 18.6               |
| 11/19/2010                   | 38         | 17.3                      | 20.7               |
| 11/20/2010                   | 41         | 18.3                      | 22.7               |
| 11/21/2010                   | 56         | 29.4                      | 26.6               |
| 11/22/2010                   | 57         | 27.2                      | 29.8               |
| 11/23/2010                   | 52         | 20.1                      | 31.9               |
| 11/24/2010                   | 48         | 15.0                      | 33.0               |
| 11/25/2010                   | 43         | 9.8                       | 33.2               |
| 11/26/2010                   | 39         | 6.1                       | 32.9               |
| 11/27/2010                   | 35         | 3.0                       | 32.0               |
| 11/28/2010                   | 33         | 1.9                       | 31.1               |
| 11/29/2010                   | 34         | 3.6                       | 30.4               |
| 11/30/2010                   | 40         | 9.3                       | 30.7               |
| 12/1/2010                    | 43         | 11.7                      | 31.3               |
| 12/2/2010                    | 40         | 8.6                       | 31.4               |
| 12/3/2010                    | 38         | 6.7                       | 31.3               |
| 12/4/2010                    | 37         | 6.0                       | 31.0               |
| 12/5/2010                    | 36         | 5.4                       | 30.6               |
| 12/6/2010                    | 33         | 3.1                       | 29.9               |
| 12/7/2010                    | 27         | 0.0                       | 27.0               |
| 12/8/2010                    | 24         | 0.0                       | 24.0               |
| 12/9/2010                    | 26         | 2.6                       | 23.4               |
| 12/10/2010                   | 27         | 3.9                       | 23.1               |
| 12/11/2010                   | 26         | 3.3                       | 22.7               |
| 12/12/2010                   | 26         | 3.6                       | 22.4               |
| 12/13/2010                   | 22         | 0.4                       | 21.6               |
| 12/14/2010                   | 16         | 0.0                       | 16.0               |
| 12/15/2010                   | 14         | 0.0                       | 14.0               |
| 12/16/2010                   | 21         | 6.5                       | 14.5               |
| 12/17/2010                   | 25         | 9.6                       | 15.4               |
| 12/18/2010                   | 33         | 15.7                      | 17.3               |
| 12/19/2010                   | 44         | 23.6                      | 20.4               |
| 12/20/2010                   | 41         | 18.5                      | 22.5               |
| 12/21/2010                   | 35         | 11.5                      | 23.5               |
| 12/22/2010                   | 34         | 9.9                       | 24.1               |
| 12/23/2010                   | 31         | 6.8                       | 24.2               |
| 12/24/2010                   | 32         | 7.5                       | 24.5               |
| 12/25/2010                   | 32         | 7.3                       | 24.7               |
| 12/26/2010                   | 35         | 9.8                       | 25.2               |
| 12/27/2010                   | 27         | 2.4                       | 24.6               |
| 12/28/2010                   | 22         | 0.0                       | 22.0               |
| 12/29/2010                   | 31         | 8.5                       | 22.5               |
| 12/30/2010                   | 38         | 14.2                      | 23.8               |
| 12/31/2010                   | 35         | 10.4                      | 24.6               |
| Sum                          | 560516.4   | 172289                    | 388227.4           |
| Base Flow Index (BFI): 0.693 |            |                           |                    |

## North Prong

| Day                          | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------------------------|------------|---------------------------|--------------------|
| 11/17/2010                   | 9.1        | 0.7                       | 8.4                |
| 11/18/2010                   | 11         | 2.6                       | 8.4                |
| 11/19/2010                   | 9.5        | 1.1                       | 8.4                |
| 11/20/2010                   | 9          | 0.7                       | 8.3                |
| 11/21/2010                   | 9.4        | 1.1                       | 8.3                |
| 11/22/2010                   | 9.4        | 1.2                       | 8.2                |
| 11/23/2010                   | 9.2        | 1.0                       | 8.2                |
| 11/24/2010                   | 8.9        | 0.8                       | 8.1                |
| 11/25/2010                   | 8.8        | 0.7                       | 8.1                |
| 11/26/2010                   | 8.8        | 0.8                       | 8.0                |
| 11/27/2010                   | 8.8        | 0.8                       | 8.0                |
| 11/28/2010                   | 8.7        | 0.8                       | 7.9                |
| 11/29/2010                   | 8.9        | 1.0                       | 7.9                |
| 11/30/2010                   | 9.4        | 1.5                       | 7.9                |
| 12/1/2010                    | 8.8        | 1.0                       | 7.8                |
| 12/2/2010                    | 8.4        | 0.6                       | 7.8                |
| 12/3/2010                    | 7.8        | 0.1                       | 7.7                |
| 12/4/2010                    | 7.6        | 0.0                       | 7.6                |
| 12/5/2010                    | 7.5        | 0.0                       | 7.5                |
| 12/6/2010                    | 7.3        | 0.0                       | 7.3                |
| 12/7/2010                    | 7.2        | 0.0                       | 7.2                |
| 12/8/2010                    | 7.2        | 0.1                       | 7.1                |
| 12/9/2010                    | 7.3        | 0.2                       | 7.1                |
| 12/10/2010                   | 7.4        | 0.4                       | 7.0                |
| 12/11/2010                   | 7.3        | 0.3                       | 7.0                |
| 12/12/2010                   | 7.4        | 0.5                       | 6.9                |
| 12/13/2010                   | 7.7        | 0.8                       | 6.9                |
| 12/14/2010                   | 7.9        | 1.1                       | 6.8                |
| 12/15/2010                   | 8          | 1.2                       | 6.8                |
| 12/16/2010                   | 8.2        | 1.4                       | 6.8                |
| 12/17/2010                   | 8.1        | 1.3                       | 6.8                |
| 12/18/2010                   | 8.6        | 1.8                       | 6.8                |
| 12/19/2010                   | 9.5        | 2.7                       | 6.8                |
| 12/20/2010                   | 9.1        | 2.2                       | 6.9                |
| 12/21/2010                   | 9.3        | 2.4                       | 6.9                |
| 12/22/2010                   | 9.3        | 2.4                       | 6.9                |
| 12/23/2010                   | 9.4        | 2.5                       | 6.9                |
| 12/24/2010                   | 9.3        | 2.3                       | 7.0                |
| 12/25/2010                   | 9          | 2.0                       | 7.0                |
| 12/26/2010                   | 9.7        | 2.7                       | 7.0                |
| 12/27/2010                   | 10         | 2.9                       | 7.1                |
| 12/28/2010                   | 10         | 2.9                       | 7.1                |
| 12/29/2010                   | 11         | 3.8                       | 7.2                |
| 12/30/2010                   | 11         | 3.7                       | 7.3                |
| 12/31/2010                   | 11         | 3.7                       | 7.3                |
| Sum                          | 278247.9   | 113518                    | 164730             |
| Base Flow Index (BFI): 0.592 |            |                           |                    |

## Fellsmere Canal

| Day                          | Flow (cfs) | Direct<br>Runoff<br>(cfs) | Base Flow<br>(cfs) |
|------------------------------|------------|---------------------------|--------------------|
| 11/13/2010                   | 49         | 14.0                      | 35.0               |
| 11/14/2010                   | 51         | 15.5                      | 35.5               |
| 11/15/2010                   | 48         | 12.2                      | 35.8               |
| 11/16/2010                   | 44         | 8.3                       | 35.7               |
| 11/17/2010                   | 37         | 1.8                       | 35.2               |
| 11/18/2010                   | 34         | 0.0                       | 34.0               |
| 11/19/2010                   | 32         | 0.0                       | 32.0               |
| 11/20/2010                   | 33         | 1.5                       | 31.5               |
| 11/21/2010                   | 47         | 15.0                      | 32.0               |
| 11/22/2010                   | 70         | 35.7                      | 34.3               |
| 11/23/2010                   | 73         | 36.5                      | 36.5               |
| 11/24/2010                   | 78         | 39.1                      | 38.9               |
| 11/25/2010                   | 53         | 13.8                      | 39.2               |
| 11/26/2010                   | 42         | 3.3                       | 38.7               |
| 11/27/2010                   | 44         | 5.6                       | 38.4               |
| 11/28/2010                   | 41         | 3.1                       | 37.9               |
| 11/29/2010                   | 41         | 3.6                       | 37.4               |
| 11/30/2010                   | 68         | 29.0                      | 39.0               |
| 12/5/2010                    | 44         | 5.4                       | 38.6               |
| 12/6/2010                    | 39         | 1.1                       | 37.9               |
| 12/7/2010                    | 33         | 0.0                       | 33.0               |
| 12/8/2010                    | 30         | 0.0                       | 30.0               |
| 12/9/2010                    | 30         | 0.6                       | 29.4               |
| 12/10/2010                   | 31         | 2.0                       | 29.0               |
| 12/11/2010                   | 31         | 2.4                       | 28.6               |
| 12/12/2010                   | 30         | 1.8                       | 28.2               |
| 12/13/2010                   | 30         | 2.2                       | 27.8               |
| 12/14/2010                   | 30         | 2.5                       | 27.5               |
| 12/15/2010                   | 28         | 1.0                       | 27.0               |
| 12/16/2010                   | 39         | 11.6                      | 27.4               |
| 12/17/2010                   | 86         | 54.8                      | 31.2               |
| 12/18/2010                   | 60         | 27.2                      | 32.8               |
| 12/19/2010                   | 67         | 32.3                      | 34.7               |
| 12/20/2010                   | 54         | 18.5                      | 35.5               |
| 12/21/2010                   | 66         | 28.9                      | 37.1               |
| 12/22/2010                   | 68         | 29.3                      | 38.7               |
| 12/23/2010                   | 47         | 8.4                       | 38.6               |
| 12/24/2010                   | 35         | 0.0                       | 35.0               |
| 12/25/2010                   | 32         | 0.0                       | 32.0               |
| 12/26/2010                   | 30         | 0.0                       | 30.0               |
| 12/27/2010                   | 27         | 0.0                       | 27.0               |
| 12/28/2010                   | 27         | 0.5                       | 26.5               |
| 12/29/2010                   | 33         | 6.5                       | 26.5               |
| 12/30/2010                   | 54         | 26.0                      | 28.0               |
| 12/31/2010                   | 55         | 25.5                      | 29.5               |
| Sum                          | 523847     | 181013                    | 342834.1           |
| Base Flow Index (BFI): 0.654 |            |                           |                    |

**APPENDIX D**

**HISTORICAL SEPARATED  
TRIBUTARY BASEFLOW WATER  
QUALITY DATA**

| Water Body       | Closest USGS Station | Obs | Date     | Station ID | Description                              | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|------------------|----------------------|-----|----------|------------|------------------------------------------|--------|-----------------------|-------------------------|
| Eau Gallie River | 02249007             | 1   | 9/9/09   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD |                       | 0.1665                  |
| Eau Gallie River | 02249007             | 2   | 10/7/09  | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD |                       | 0.168                   |
| Eau Gallie River | 02249007             | 3   | 11/4/09  | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD |                       | 0.1485                  |
| Eau Gallie River | 02249007             | 4   | 12/10/09 | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD |                       | 0.155                   |
| Eau Gallie River | 02249007             | 5   | 1/5/10   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD |                       | 0.132                   |
| Eau Gallie River | 02249007             | 6   | 2/2/10   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 1.0002                | 0.1388                  |
| Eau Gallie River | 02249007             | 7   | 3/3/10   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 0.8618                | 0.1155                  |
| Eau Gallie River | 02249007             | 8   | 4/8/10   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 1.21365               | 0.2018                  |
| Eau Gallie River | 02249007             | 9   | 5/5/10   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 0.7591                | 0.1862                  |
| Eau Gallie River | 02249007             | 10  | 6/9/10   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 0.8978                | 0.20955                 |
| Eau Gallie River | 02249007             | 11  | 7/8/10   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 0.75265               | 0.21655                 |
| Eau Gallie River | 02249007             | 12  | 8/4/10   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 0.8119                | 0.3626                  |
| Eau Gallie River | 02249007             | 13  | 9/8/10   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 1.01155               | 0.1647                  |
| Eau Gallie River | 02249007             | 14  | 10/6/10  | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 1.1587                | 0.14325                 |
| Eau Gallie River | 02249007             | 15  | 11/3/10  | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 0.90305               | 0.17295                 |
| Eau Gallie River | 02249007             | 16  | 12/6/10  | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 0.9197                | 0.12725                 |
| Eau Gallie River | 02249007             | 17  | 1/6/11   | IRLUPEGWR  | IRL AT EAU GALLIE RIVER UPSTREAM AT WEIR | SJRWMD | 0.8788                | 0.15275                 |
| Crane Creek      | 02249518             | 1   | 10/13/97 | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.688285              | 0.078845                |
| Crane Creek      | 02249518             | 2   | 11/20/97 | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.951195              | 0.09365                 |
| Crane Creek      | 02249518             | 3   | 12/8/97  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.151015              | 0.10313                 |
| Crane Creek      | 02249518             | 4   | 1/12/98  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.976945              | 0.13315                 |
| Crane Creek      | 02249518             | 5   | 1/29/98  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.28233               | 0.115065                |
| Crane Creek      | 02249518             | 6   | 2/9/98   | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.283735              | 0.063495                |
| Crane Creek      | 02249518             | 7   | 2/26/98  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.33427               | 0.10655                 |
| Crane Creek      | 02249518             | 8   | 3/9/98   | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.117035              | 0.12138                 |
| Crane Creek      | 02249518             | 9   | 4/30/98  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.962135              | 0.10676                 |
| Crane Creek      | 02249518             | 10  | 5/11/98  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.971725              | 0.10456                 |
| Crane Creek      | 02249518             | 11  | 5/28/98  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.99489               | 0.1225825               |
| Crane Creek      | 02249518             | 12  | 6/8/98   | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.149075              | 0.12918                 |
| Crane Creek      | 02249518             | 13  | 7/13/98  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.1661                | 0.11383                 |
| Crane Creek      | 02249518             | 14  | 8/10/98  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.11819               | 0.11405                 |
| Crane Creek      | 02249518             | 15  | 9/14/98  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.85132               | 0.09673                 |
| Crane Creek      | 02249518             | 16  | 10/12/98 | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.72886               | 0.12709                 |
| Crane Creek      | 02249518             | 17  | 12/14/98 | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.29673               | 0.15279                 |
| Crane Creek      | 02249518             | 18  | 1/11/99  | IRLCCU     | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.43638               | 0.095985                |

| Water Body  | Closest USGS Station | Obs | Date     | Station ID | Description               | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|-------------|----------------------|-----|----------|------------|---------------------------|--------|-----------------------|-------------------------|
| Crane Creek | 02249518             | 19  | 2/8/99   | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.05586               | 0.09828                 |
| Crane Creek | 02249518             | 20  | 3/8/99   | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.0085                | 0.0855                  |
| Crane Creek | 02249518             | 21  | 4/12/99  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.8915                | 0.118                   |
| Crane Creek | 02249518             | 22  | 5/10/99  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.821                 | 0.109                   |
| Crane Creek | 02249518             | 23  | 7/12/99  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.8215                | 0.1345                  |
| Crane Creek | 02249518             | 24  | 8/9/99   | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.8435                | 0.1355                  |
| Crane Creek | 02249518             | 25  | 9/13/99  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.9465                | 0.1195                  |
| Crane Creek | 02249518             | 26  | 10/11/99 | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.218                 | 0.151                   |
| Crane Creek | 02249518             | 27  | 11/8/99  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.2815                | 0.1045                  |
| Crane Creek | 02249518             | 28  | 12/13/99 | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.926                 | 0.1065                  |
| Crane Creek | 02249518             | 29  | 1/10/00  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.0805                | 0.097                   |
| Crane Creek | 02249518             | 30  | 2/14/00  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.807                 | 0.08                    |
| Crane Creek | 02249518             | 31  | 3/13/00  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.9165                | 0.091                   |
| Crane Creek | 02249518             | 32  | 4/10/00  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.8065                | 0.107                   |
| Crane Creek | 02249518             | 33  | 5/8/00   | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.933                 | 0.1355                  |
| Crane Creek | 02249518             | 34  | 6/12/00  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.925                 | 0.194                   |
| Crane Creek | 02249518             | 35  | 7/10/00  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.038                 | 0.112                   |
| Crane Creek | 02249518             | 36  | 8/14/00  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.9425                | 0.111                   |
| Crane Creek | 02249518             | 37  | 9/11/00  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.842                 | 0.121                   |
| Crane Creek | 02249518             | 38  | 10/10/00 | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.9425                | 0.104                   |
| Crane Creek | 02249518             | 39  | 1/8/01   | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.276                 | 0.0835                  |
| Crane Creek | 02249518             | 40  | 2/12/01  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.937                 | 0.1045                  |
| Crane Creek | 02249518             | 41  | 4/9/01   | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.612                 | 0.101                   |
| Crane Creek | 02249518             | 42  | 5/14/01  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.463                 | 0.1045                  |
| Crane Creek | 02249518             | 43  | 6/11/01  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.06                  | 0.128                   |
| Crane Creek | 02249518             | 44  | 7/9/01   | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.031                 | 0.0955                  |
| Crane Creek | 02249518             | 45  | 8/13/01  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.442                 | 0.144                   |
| Crane Creek | 02249518             | 46  | 9/11/01  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.516                 | 0.123                   |
| Crane Creek | 02249518             | 47  | 10/9/01  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.091                 | 0.115                   |
| Crane Creek | 02249518             | 48  | 11/13/01 | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.569                 | 0.1305                  |
| Crane Creek | 02249518             | 49  | 12/10/01 | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 1.547                 | 0.094                   |
| Crane Creek | 02249518             | 50  | 1/14/02  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.96                  | 0.1245                  |
| Crane Creek | 02249518             | 51  | 2/11/02  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.807                 | 0.1065                  |
| Crane Creek | 02249518             | 52  | 3/11/02  | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.642                 | 0.0715                  |
| Crane Creek | 02249518             | 53  | 4/8/02   | IRLCU      | IRL AT CRANE CREEK AT US1 | SJRWMD | 0.499                 | 0.131                   |



| Water Body   | Closest USGS Station | Obs | Date     | Station ID | Description                              | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|--------------|----------------------|-----|----------|------------|------------------------------------------|--------|-----------------------|-------------------------|
| Crane Creek  | 02249518             | 54  | 6/10/02  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.699                 | 0.131                   |
| Crane Creek  | 02249518             | 55  | 7/8/02   | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.764                 | 0.108                   |
| Crane Creek  | 02249518             | 56  | 8/14/02  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.919                 | 0.1265                  |
| Crane Creek  | 02249518             | 57  | 9/9/02   | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.751                 | 0.14                    |
| Crane Creek  | 02249518             | 58  | 10/14/02 | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.926                 | 0.154                   |
| Crane Creek  | 02249518             | 59  | 11/11/02 | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.968                 | 0.108                   |
| Crane Creek  | 02249518             | 60  | 12/11/02 | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.844                 | 0.094                   |
| Crane Creek  | 02249518             | 61  | 1/13/03  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.824                 | 0.091                   |
| Crane Creek  | 02249518             | 62  | 2/10/03  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.849                 | 0.094                   |
| Crane Creek  | 02249518             | 63  | 3/10/03  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.656                 | 0.0835                  |
| Crane Creek  | 02249518             | 64  | 4/14/03  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.648                 | 0.085                   |
| Crane Creek  | 02249518             | 65  | 6/9/03   | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.795                 | 0.153                   |
| Crane Creek  | 02249518             | 66  | 7/14/03  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.691                 | 0.1195                  |
| Crane Creek  | 02249518             | 67  | 8/11/03  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.643                 | 0.1185                  |
| Crane Creek  | 02249518             | 68  | 9/8/03   | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 1.057                 | 0.1015                  |
| Crane Creek  | 02249518             | 69  | 5/12/04  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.82                  | 0.127                   |
| Crane Creek  | 02249518             | 70  | 6/17/04  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.61                  | 0.148                   |
| Crane Creek  | 02249518             | 71  | 9/14/04  | IRLCU      | IRL AT CRANE CREEK AT US1                | SJRWMD | 0.857                 | 0.1425                  |
| Turkey Creek | 02250030             | 1   | 10/15/03 | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.743                 | 0.033                   |
| Turkey Creek | 02250030             | 2   | 11/11/03 | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.893                 | 0.0345                  |
| Turkey Creek | 02250030             | 3   | 12/10/03 | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.533                 | 0.0205                  |
| Turkey Creek | 02250030             | 4   | 1/12/04  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.425                 | 0.0355                  |
| Turkey Creek | 02250030             | 5   | 2/10/04  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.631                 | 0.0335                  |
| Turkey Creek | 02250030             | 6   | 3/8/04   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.75                  | 0.036                   |
| Turkey Creek | 02250030             | 7   | 4/13/04  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.41                  | 0.034                   |
| Turkey Creek | 02250030             | 8   | 5/12/04  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.095                 | 0.0305                  |
| Turkey Creek | 02250030             | 9   | 6/17/04  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.636                 | 0.093                   |
| Turkey Creek | 02250030             | 10  | 7/14/04  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.561                 | 0.0375                  |
| Turkey Creek | 02250030             | 11  | 8/12/04  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.831                 | 0.068                   |
| Turkey Creek | 02250030             | 12  | 9/14/04  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.285                 | 0.1225                  |
| Turkey Creek | 02250030             | 13  | 10/13/04 | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.409                 | 0.073                   |
| Turkey Creek | 02250030             | 14  | 11/9/04  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.29                  | 0.0405                  |
| Turkey Creek | 02250030             | 15  | 12/15/04 | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.465                 | 0.0255                  |
| Turkey Creek | 02250030             | 16  | 1/13/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.362                 | 0.034                   |
| Turkey Creek | 02250030             | 17  | 2/14/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.682                 | 0.0055                  |

| Water Body   | Closest USGS Station | Obs | Date     | Station ID | Description                              | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|--------------|----------------------|-----|----------|------------|------------------------------------------|--------|-----------------------|-------------------------|
| Turkey Creek | 02250030             | 18  | 3/16/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.819                 | 0.0225                  |
| Turkey Creek | 02250030             | 19  | 4/12/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.798                 | 0.0295                  |
| Turkey Creek | 02250030             | 20  | 5/12/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.863                 | 0.0415                  |
| Turkey Creek | 02250030             | 21  | 6/16/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.143                 | 0.064                   |
| Turkey Creek | 02250030             | 22  | 7/13/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.025                 | 0.0625                  |
| Turkey Creek | 02250030             | 23  | 8/11/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.015                 | 0.062                   |
| Turkey Creek | 02250030             | 24  | 9/15/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.072                 | 0.067                   |
| Turkey Creek | 02250030             | 25  | 10/13/05 | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.021                 | 0.083                   |
| Turkey Creek | 02250030             | 26  | 11/8/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.062                 | 0.041                   |
| Turkey Creek | 02250030             | 27  | 12/7/05  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.001                 | 0.0285                  |
| Turkey Creek | 02250030             | 28  | 1/10/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.888                 | 0.0245                  |
| Turkey Creek | 02250030             | 29  | 2/16/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.7                   | 0.0315                  |
| Turkey Creek | 02250030             | 30  | 3/21/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.616                 | 0.0355                  |
| Turkey Creek | 02250030             | 31  | 4/11/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.528                 | 0.042                   |
| Turkey Creek | 02250030             | 32  | 5/15/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.6559                | 0.0415                  |
| Turkey Creek | 02250030             | 33  | 6/14/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.917                 | 0.061                   |
| Turkey Creek | 02250030             | 34  | 6/21/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.599                 | 0.037                   |
| Turkey Creek | 02250030             | 35  | 7/12/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.793                 | 0.05                    |
| Turkey Creek | 02250030             | 36  | 8/17/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.614                 | 0.0375                  |
| Turkey Creek | 02250030             | 37  | 9/12/06  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.384                 | 0.0845                  |
| Turkey Creek | 02250030             | 38  | 5/14/07  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.662                 | 0.066                   |
| Turkey Creek | 02250030             | 39  | 6/14/07  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.688                 | 0.0555                  |
| Turkey Creek | 02250030             | 40  | 7/12/07  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.849                 | 0.072                   |
| Turkey Creek | 02250030             | 41  | 8/16/07  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.437                 | 0.0715                  |
| Turkey Creek | 02250030             | 42  | 9/13/07  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.922                 | 0.064                   |
| Turkey Creek | 02250030             | 43  | 10/8/07  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 1.067                 | 0.114                   |
| Turkey Creek | 02250030             | 44  | 11/7/07  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.81                  | 0.032                   |
| Turkey Creek | 02250030             | 45  | 12/5/07  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.702                 | 0.042                   |
| Turkey Creek | 02250030             | 46  | 1/10/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.383                 | 0.039                   |
| Turkey Creek | 02250030             | 47  | 2/13/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.457                 | 0.0305                  |
| Turkey Creek | 02250030             | 48  | 3/12/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.457                 | 0.028                   |
| Turkey Creek | 02250030             | 49  | 4/15/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.597                 | 0.0505                  |
| Turkey Creek | 02250030             | 50  | 5/15/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.48                  | 0.0385                  |
| Turkey Creek | 02250030             | 51  | 6/12/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.542                 | 0.0685                  |
| Turkey Creek | 02250030             | 52  | 7/15/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD | SJRWMD | 0.893                 | 0.1885                  |

| Water Body      | Closest USGS Station | Obs | Date     | Station ID | Description                                         | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|-----------------|----------------------|-----|----------|------------|-----------------------------------------------------|--------|-----------------------|-------------------------|
| Turkey Creek    | 02250030             | 53  | 8/13/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 1.184                 | 0.1                     |
| Turkey Creek    | 02250030             | 54  | 9/10/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 1.017                 | 0.085                   |
| Turkey Creek    | 02250030             | 55  | 10/7/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 1.0615                | 0.06025                 |
| Turkey Creek    | 02250030             | 56  | 11/5/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 1.103                 | 0.04325                 |
| Turkey Creek    | 02250030             | 57  | 12/1/08  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.824                 | 0.03575                 |
| Turkey Creek    | 02250030             | 58  | 1/7/09   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.729                 | 0.03575                 |
| Turkey Creek    | 02250030             | 59  | 2/3/09   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.569                 | 0.02275                 |
| Turkey Creek    | 02250030             | 60  | 3/2/09   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.577                 | 0.02675                 |
| Turkey Creek    | 02250030             | 61  | 4/6/09   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.601                 | 0.038                   |
| Turkey Creek    | 02250030             | 62  | 5/6/09   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.7975                | 0.065                   |
| Turkey Creek    | 02250030             | 63  | 6/4/09   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.6975                | 0.068                   |
| Turkey Creek    | 02250030             | 64  | 7/8/09   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.725                 | 0.05775                 |
| Turkey Creek    | 02250030             | 65  | 8/5/09   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD |                       | 0.06065                 |
| Turkey Creek    | 02250030             | 66  | 9/9/09   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD |                       | 0.077                   |
| Turkey Creek    | 02250030             | 67  | 10/7/09  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD |                       | 0.028                   |
| Turkey Creek    | 02250030             | 68  | 11/4/09  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD |                       | 0.04505                 |
| Turkey Creek    | 02250030             | 69  | 12/10/09 | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD |                       | 0.0315                  |
| Turkey Creek    | 02250030             | 70  | 4/8/10   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.6894                | 0.0381                  |
| Turkey Creek    | 02250030             | 71  | 5/5/10   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.59245               | 0.03215                 |
| Turkey Creek    | 02250030             | 72  | 6/9/10   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.58965               | 0.0352                  |
| Turkey Creek    | 02250030             | 73  | 7/8/10   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.60125               | 0.03725                 |
| Turkey Creek    | 02250030             | 74  | 8/4/10   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.6304                | 0.05265                 |
| Turkey Creek    | 02250030             | 75  | 9/8/10   | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.71325               | 0.0508                  |
| Turkey Creek    | 02250030             | 76  | 10/6/10  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.9927                | 0.1274                  |
| Turkey Creek    | 02250030             | 77  | 11/3/10  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.97445               | 0.17255                 |
| Turkey Creek    | 02250030             | 78  | 12/6/10  | IRLTPM     | IRL AT TURKEY CREEK AT PORT MALABAR ROAD            | SJRWMD | 0.49805               | 0.0265                  |
| South Prong     | 02251000             | 1   | 3/12/03  | 20010706   | SEBASTIAN CREEK SOUTH @ SR 512                      | FDEP   | 0.412                 | 0.112                   |
| South Prong     | 02251000             | 2   | 6/4/03   | 20010706   | SEBASTIAN CREEK SOUTH @ SR 512                      | FDEP   | 1.21                  | 0.17                    |
| South Prong     | 02251000             | 3   | 8/13/03  | 20010706   | SEBASTIAN CREEK SOUTH @ SR 512                      | FDEP   | 1.573                 | 0.159                   |
| South Prong     | 02251000             | 4   | 8/26/03  | 20010706   | SEBASTIAN CREEK SOUTH @ SR 512                      | FDEP   | 1.227                 | 0.153                   |
| South Prong     | 02251000             | 5   | 9/15/03  | 20010706   | SEBASTIAN CREEK SOUTH @ SR 512                      | FDEP   | 0.742                 | 0.107                   |
| South Prong     | 02251000             | 6   | 10/9/03  | 20010706   | SEBASTIAN CREEK SOUTH @ SR 512                      | FDEP   | 0.858                 | 0.145                   |
| North Prong     | 02251500             | 1   | 4/26/99  | 27010331   | Sebastian River, North prong at Wilden Road Bridge  | FDEP   | 0.735                 |                         |
| Fellsmere Canal | 02251767             | 1   | 2/22/05  | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 0.968                 | 0.081                   |
| Fellsmere Canal | 02251767             | 2   | 4/27/05  | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 1.02                  | 0.073                   |

| Water Body      | Closest USGS Station | Obs | Date     | Station ID | Description                                         | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|-----------------|----------------------|-----|----------|------------|-----------------------------------------------------|--------|-----------------------|-------------------------|
| Fellsmere Canal | 02251767             | 3   | 6/22/05  | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 1.875                 | 0.295                   |
| Fellsmere Canal | 02251767             | 4   | 8/22/05  | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 1.61                  | 0.15                    |
| Fellsmere Canal | 02251767             | 5   | 9/29/05  | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 1.22                  | 0.22                    |
| Fellsmere Canal | 02251767             | 6   | 12/13/05 | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 1.065                 | 0.12                    |
| Fellsmere Canal | 02251767             | 7   | 3/1/10   | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 0.786                 | 0.132                   |
| Fellsmere Canal | 02251767             | 8   | 4/22/10  | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 0.97                  | 0.12                    |
| Fellsmere Canal | 02251767             | 9   | 6/16/10  | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 0.89                  | 0.115                   |
| Fellsmere Canal | 02251767             | 10  | 8/17/10  | 27010156   | Fellsmere Canal @ 50m upstream of control structure | FDEP   | 0.8355                | 0.11                    |
| North Canal     | 02252500             | 1   | 2/15/10  | 27010144   | North Canal @ 58th Street Bridge                    | FDEP   | 0.628                 | 0.063                   |
| North Canal     | 02252500             | 2   | 4/7/10   | 27010144   | North Canal @ 58th Street Bridge                    | FDEP   | 0.788                 | 0.11                    |
| North Canal     | 02252500             | 3   | 5/26/10  | 27010144   | North Canal @ 58th Street Bridge                    | FDEP   | 0.714                 | 0.28                    |
| North Canal     | 02252500             | 4   | 8/3/10   | 27010144   | North Canal @ 58th Street Bridge                    | FDEP   | 0.72                  | 0.19                    |
| North Canal     | 02252500             | 5   | 10/13/10 | 27010144   | North Canal @ 58th Street Bridge                    | FDEP   | 0.734                 | 0.13                    |
| Main Canal      | 02253000             | 1   | 10/13/97 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.849385              | 0.127315                |
| Main Canal      | 02253000             | 2   | 11/20/97 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.730375              | 0.11911                 |
| Main Canal      | 02253000             | 3   | 12/8/97  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.827405              | 0.11492                 |
| Main Canal      | 02253000             | 4   | 1/12/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.97144               | 0.1384                  |
| Main Canal      | 02253000             | 5   | 1/29/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 1.00144               | 0.12779                 |
| Main Canal      | 02253000             | 6   | 2/9/98   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 1.20685               | 0.14001                 |
| Main Canal      | 02253000             | 7   | 2/26/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 1.10678               | 0.15683                 |
| Main Canal      | 02253000             | 8   | 3/9/98   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 1.12362               | 0.18093                 |
| Main Canal      | 02253000             | 9   | 3/26/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 1.32246               | 0.133935                |
| Main Canal      | 02253000             | 10  | 4/13/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.63183               | 0.128715                |
| Main Canal      | 02253000             | 11  | 4/30/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.71159               | 0.138425                |
| Main Canal      | 02253000             | 12  | 5/11/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 1.265905              | 0.22841                 |
| Main Canal      | 02253000             | 13  | 5/28/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.826475              | 0.18692                 |
| Main Canal      | 02253000             | 14  | 6/8/98   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.827005              | 0.22254                 |
| Main Canal      | 02253000             | 15  | 7/13/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 2.166535              | 0.46869                 |
| Main Canal      | 02253000             | 16  | 8/10/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 1.41677               | 0.25644                 |
| Main Canal      | 02253000             | 17  | 9/14/98  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.95759               | 0.1943                  |
| Main Canal      | 02253000             | 18  | 10/12/98 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 1.03604               | 0.217485                |
| Main Canal      | 02253000             | 19  | 11/18/98 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 1.16033               | 0.1739                  |
| Main Canal      | 02253000             | 20  | 12/14/98 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.679895              | 0.117175                |
| Main Canal      | 02253000             | 21  | 1/11/99  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.703605              | 0.1057                  |
| Main Canal      | 02253000             | 22  | 2/8/99   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                       | SJRWMD | 0.705995              | 0.12902                 |

| Water Body | Closest USGS Station | Obs | Date     | Station ID | Description                   | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|------------|----------------------|-----|----------|------------|-------------------------------|--------|-----------------------|-------------------------|
| Main Canal | 02253000             | 23  | 3/8/99   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.201                 | 0.0725                  |
| Main Canal | 02253000             | 24  | 4/12/99  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.8725                | 0.1725                  |
| Main Canal | 02253000             | 25  | 5/10/99  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.9805                | 0.128                   |
| Main Canal | 02253000             | 26  | 6/14/99  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.553                 | 0.205                   |
| Main Canal | 02253000             | 27  | 7/12/99  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.257                 | 0.222                   |
| Main Canal | 02253000             | 28  | 8/9/99   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.9065                | 0.228                   |
| Main Canal | 02253000             | 29  | 9/13/99  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 2.181                 | 0.278                   |
| Main Canal | 02253000             | 30  | 10/11/99 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.854                 | 0.2815                  |
| Main Canal | 02253000             | 31  | 11/8/99  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.1965                | 0.12                    |
| Main Canal | 02253000             | 32  | 12/13/99 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.7735                | 0.095                   |
| Main Canal | 02253000             | 33  | 1/10/00  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.737                 | 0.056                   |
| Main Canal | 02253000             | 34  | 2/14/00  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.6755                | 0.0605                  |
| Main Canal | 02253000             | 35  | 3/13/00  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.8025                | 0.1155                  |
| Main Canal | 02253000             | 36  | 4/10/00  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.692                 | 0.125                   |
| Main Canal | 02253000             | 37  | 5/8/00   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.9625                | 0.095                   |
| Main Canal | 02253000             | 38  | 6/12/00  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.471                 | 0.3815                  |
| Main Canal | 02253000             | 39  | 7/10/00  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.528                 | 0.233                   |
| Main Canal | 02253000             | 40  | 8/14/00  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.22                  | 0.2115                  |
| Main Canal | 02253000             | 41  | 9/11/00  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.8615                | 0.1905                  |
| Main Canal | 02253000             | 42  | 10/10/00 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.853                 | 0.3195                  |
| Main Canal | 02253000             | 43  | 11/14/00 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.7575                | 0.1265                  |
| Main Canal | 02253000             | 44  | 12/11/00 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.787                 | 0.089                   |
| Main Canal | 02253000             | 45  | 1/8/01   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.5285                | 0.0765                  |
| Main Canal | 02253000             | 46  | 2/12/01  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.6175                | 0.127                   |
| Main Canal | 02253000             | 47  | 3/12/01  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.6925                | 0.117                   |
| Main Canal | 02253000             | 48  | 4/9/01   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.7895                | 0.21                    |
| Main Canal | 02253000             | 49  | 5/14/01  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.223                 | 0.1295                  |
| Main Canal | 02253000             | 50  | 6/11/01  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.257                 | 0.1745                  |
| Main Canal | 02253000             | 51  | 7/9/01   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.399                 | 0.2555                  |
| Main Canal | 02253000             | 52  | 8/13/01  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.934                 | 0.274                   |
| Main Canal | 02253000             | 53  | 9/11/01  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 2.271                 | 0.309                   |
| Main Canal | 02253000             | 54  | 10/9/01  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.133                 | 0.168                   |
| Main Canal | 02253000             | 55  | 11/12/01 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.252                 | 0.15                    |
| Main Canal | 02253000             | 56  | 12/10/01 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.187                 | 0.0855                  |
| Main Canal | 02253000             | 57  | 1/14/02  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.335                 | 0.052                   |

| Water Body | Closest USGS Station | Obs | Date     | Station ID | Description                   | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|------------|----------------------|-----|----------|------------|-------------------------------|--------|-----------------------|-------------------------|
| Main Canal | 02253000             | 58  | 2/11/02  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.353                 | 0.2435                  |
| Main Canal | 02253000             | 59  | 3/11/02  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.456                 | 0.079                   |
| Main Canal | 02253000             | 60  | 4/8/02   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.569                 | 0.165                   |
| Main Canal | 02253000             | 61  | 5/13/02  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.939                 | 0.3405                  |
| Main Canal | 02253000             | 62  | 6/10/02  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.686                 | 0.291                   |
| Main Canal | 02253000             | 63  | 7/8/02   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.474                 | 0.3365                  |
| Main Canal | 02253000             | 64  | 8/14/02  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.2                   | 0.3125                  |
| Main Canal | 02253000             | 65  | 9/9/02   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.917                 | 0.1865                  |
| Main Canal | 02253000             | 66  | 10/14/02 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.606                 | 0.127                   |
| Main Canal | 02253000             | 67  | 11/11/02 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.565                 | 0.1415                  |
| Main Canal | 02253000             | 68  | 12/11/02 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.086                 | 0.179                   |
| Main Canal | 02253000             | 69  | 1/13/03  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.903                 | 0.113                   |
| Main Canal | 02253000             | 70  | 2/10/03  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.435                 | 0.062                   |
| Main Canal | 02253000             | 71  | 3/10/03  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.59                  | 0.126                   |
| Main Canal | 02253000             | 72  | 4/14/03  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.541                 | 0.082                   |
| Main Canal | 02253000             | 73  | 5/12/03  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.523                 | 0.1715                  |
| Main Canal | 02253000             | 74  | 6/9/03   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.505                 | 0.363                   |
| Main Canal | 02253000             | 75  | 7/14/03  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.866                 | 0.206                   |
| Main Canal | 02253000             | 76  | 8/11/03  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.502                 | 0.362                   |
| Main Canal | 02253000             | 77  | 9/8/03   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.249                 | 0.385                   |
| Main Canal | 02253000             | 78  | 10/15/03 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.694                 | 0.1295                  |
| Main Canal | 02253000             | 79  | 11/11/03 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.14                  | 0.1885                  |
| Main Canal | 02253000             | 80  | 12/10/03 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.483                 | 0.0825                  |
| Main Canal | 02253000             | 81  | 1/12/04  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.427                 | 0.071                   |
| Main Canal | 02253000             | 82  | 2/10/04  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.727                 | 0.094                   |
| Main Canal | 02253000             | 83  | 3/8/04   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.723                 | 0.0895                  |
| Main Canal | 02253000             | 84  | 4/13/04  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.553                 | 0.0635                  |
| Main Canal | 02253000             | 85  | 5/12/04  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.344                 | 0.173                   |
| Main Canal | 02253000             | 86  | 6/17/04  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.78                  | 0.243                   |
| Main Canal | 02253000             | 87  | 7/14/04  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.691                 | 0.1555                  |
| Main Canal | 02253000             | 88  | 8/12/04  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.377                 | 0.4195                  |
| Main Canal | 02253000             | 89  | 9/14/04  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.972                 | 0.6415                  |
| Main Canal | 02253000             | 90  | 10/13/04 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 1.465                 | 0.2595                  |
| Main Canal | 02253000             | 91  | 11/9/04  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.9875                | 0.09925                 |
| Main Canal | 02253000             | 92  | 12/15/04 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1 | SJRWMD | 0.6515                | 0.0465                  |

| Water Body | Closest USGS Station | Obs | Date     | Station ID | Description                                     | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|------------|----------------------|-----|----------|------------|-------------------------------------------------|--------|-----------------------|-------------------------|
| Main Canal | 02253000             | 93  | 1/13/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.644                 | 0.06025                 |
| Main Canal | 02253000             | 94  | 2/14/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.455                 | 0.016                   |
| Main Canal | 02253000             | 95  | 3/16/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.8745                | 0.065                   |
| Main Canal | 02253000             | 96  | 3/22/05  | 27020011   | Main Relief Canal, upstream side of US 1 bridge | FDEP   | 1.84                  | 0.38                    |
| Main Canal | 02253000             | 97  | 4/12/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 1.028                 | 0.1075                  |
| Main Canal | 02253000             | 98  | 5/12/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 1.1375                | 0.1495                  |
| Main Canal | 02253000             | 99  | 5/18/05  | 27020011   | Main Relief Canal, upstream side of US 1 bridge | FDEP   | 0.899                 | 0.098                   |
| Main Canal | 02253000             | 100 | 6/16/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 1.383                 | 0.18925                 |
| Main Canal | 02253000             | 101 | 7/12/05  | 27020011   | Main Relief Canal, upstream side of US 1 bridge | FDEP   | 2.34                  | 0.21                    |
| Main Canal | 02253000             | 102 | 7/13/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 1.7285                | 1.172666667             |
| Main Canal | 02253000             | 103 | 8/11/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.9755                | 0.1795                  |
| Main Canal | 02253000             | 104 | 9/15/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 1.083                 | 0.1465                  |
| Main Canal | 02253000             | 105 | 9/28/05  | 27020011   | Main Relief Canal, upstream side of US 1 bridge | FDEP   | 1.22                  | 0.15                    |
| Main Canal | 02253000             | 106 | 10/13/05 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 1.277                 | 0.197                   |
| Main Canal | 02253000             | 107 | 11/2/05  | 27020011   | Main Relief Canal, upstream side of US 1 bridge | FDEP   | 1.62                  | 0.35                    |
| Main Canal | 02253000             | 108 | 11/8/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 1.247                 | 0.1765                  |
| Main Canal | 02253000             | 109 | 12/5/05  | 27020011   | Main Relief Canal, upstream side of US 1 bridge | FDEP   | 1.47                  | 0.13                    |
| Main Canal | 02253000             | 110 | 12/7/05  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.986                 | 0.1005                  |
| Main Canal | 02253000             | 111 | 1/10/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.667                 | 0.061                   |
| Main Canal | 02253000             | 112 | 2/16/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.812                 | 0.0695                  |
| Main Canal | 02253000             | 113 | 3/21/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.601                 | 0.0745                  |
| Main Canal | 02253000             | 114 | 4/11/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.505                 | 0.094                   |
| Main Canal | 02253000             | 115 | 5/15/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.78                  | 0.1655                  |
| Main Canal | 02253000             | 116 | 6/21/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.826                 | 0.2115                  |
| Main Canal | 02253000             | 117 | 7/12/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.841                 | 0.154                   |
| Main Canal | 02253000             | 118 | 8/17/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.678                 | 0.1685                  |
| Main Canal | 02253000             | 119 | 9/12/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 1.036                 | 0.2245                  |
| Main Canal | 02253000             | 120 | 10/11/06 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.791                 | 0.1215                  |
| Main Canal | 02253000             | 121 | 11/6/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.685                 | 0.066                   |
| Main Canal | 02253000             | 122 | 12/4/06  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.533                 | 0.1175                  |
| Main Canal | 02253000             | 123 | 1/9/07   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.489                 | 0.086                   |
| Main Canal | 02253000             | 124 | 2/15/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.407                 | 0.0575                  |
| Main Canal | 02253000             | 125 | 3/15/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.567                 | 0.109                   |
| Main Canal | 02253000             | 126 | 4/12/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.606                 | 0.1175                  |
| Main Canal | 02253000             | 127 | 5/14/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1                   | SJRWMD | 0.89                  | 0.1865                  |

| Water Body  | Closest USGS Station | Obs | Date     | Station ID | Description                    | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|-------------|----------------------|-----|----------|------------|--------------------------------|--------|-----------------------|-------------------------|
| Main Canal  | 02253000             | 128 | 6/14/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.09                  | 0.2425                  |
| Main Canal  | 02253000             | 129 | 7/12/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.296                 | 0.259                   |
| Main Canal  | 02253000             | 130 | 8/16/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.083                 | 0.217                   |
| Main Canal  | 02253000             | 131 | 9/13/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.11                  | 0.1545                  |
| Main Canal  | 02253000             | 132 | 10/8/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.701                 | 0.499                   |
| Main Canal  | 02253000             | 133 | 11/7/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.391                 | 0.2125                  |
| Main Canal  | 02253000             | 134 | 12/5/07  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.86                  | 0.134                   |
| Main Canal  | 02253000             | 135 | 1/10/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.766                 | 0.1145                  |
| Main Canal  | 02253000             | 136 | 2/13/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.63                  | 0.1255                  |
| Main Canal  | 02253000             | 137 | 3/12/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.48                  | 0.1065                  |
| Main Canal  | 02253000             | 138 | 4/15/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.911                 | 0.128                   |
| Main Canal  | 02253000             | 139 | 5/15/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.244                 | 0.2205                  |
| Main Canal  | 02253000             | 140 | 6/12/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.662                 | 0.3205                  |
| Main Canal  | 02253000             | 141 | 7/15/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.951                 | 0.1615                  |
| Main Canal  | 02253000             | 142 | 8/13/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.14                  | 0.1795                  |
| Main Canal  | 02253000             | 143 | 9/10/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.278                 | 0.171                   |
| Main Canal  | 02253000             | 144 | 10/7/08  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.605                 | 0.1085                  |
| Main Canal  | 02253000             | 145 | 10/7/09  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD |                       | 0.053                   |
| Main Canal  | 02253000             | 146 | 11/4/09  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD |                       | 0.0821                  |
| Main Canal  | 02253000             | 147 | 12/10/09 | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD |                       | 0.1205                  |
| Main Canal  | 02253000             | 148 | 1/5/10   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD |                       | 0.084                   |
| Main Canal  | 02253000             | 149 | 2/2/10   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.79895               | 0.062                   |
| Main Canal  | 02253000             | 150 | 3/3/10   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.76635               | 0.041                   |
| Main Canal  | 02253000             | 151 | 4/8/10   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.00275               | 0.085                   |
| Main Canal  | 02253000             | 152 | 5/5/10   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.78765               | 0.0876                  |
| Main Canal  | 02253000             | 153 | 6/9/10   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.51075               | 0.2827                  |
| Main Canal  | 02253000             | 154 | 7/8/10   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.88155               | 0.1382                  |
| Main Canal  | 02253000             | 155 | 8/4/10   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.7263                | 0.14955                 |
| Main Canal  | 02253000             | 156 | 9/8/10   | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 1.2847                | 0.1823                  |
| Main Canal  | 02253000             | 157 | 10/6/10  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.73335               | 0.0712                  |
| Main Canal  | 02253000             | 158 | 11/3/10  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.5707                | 0.08405                 |
| Main Canal  | 02253000             | 159 | 12/6/10  | IRLVMC     | IRL AT VERO MAIN CANAL AT US1  | SJRWMD | 0.58535               | 0.06505                 |
| South Canal | 02253500             | 1   | 10/13/97 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.928205              | 0.13498                 |
| South Canal | 02253500             | 2   | 11/20/97 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.8776                | 0.12546                 |
| South Canal | 02253500             | 3   | 12/8/97  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.112445              | 0.116755                |



| Water Body  | Closest USGS Station | Obs | Date     | Station ID | Description                    | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|-------------|----------------------|-----|----------|------------|--------------------------------|--------|-----------------------|-------------------------|
| South Canal | 02253500             | 4   | 1/12/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.05714               | 0.083925                |
| South Canal | 02253500             | 5   | 1/29/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.988955              | 0.136255                |
| South Canal | 02253500             | 6   | 2/9/98   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.318225              | 0.115065                |
| South Canal | 02253500             | 7   | 2/26/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.228875              | 0.115725                |
| South Canal | 02253500             | 8   | 3/9/98   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.328315              | 0.220045                |
| South Canal | 02253500             | 9   | 3/26/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.318185              | 0.11212                 |
| South Canal | 02253500             | 10  | 4/13/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.90025               | 0.113425                |
| South Canal | 02253500             | 11  | 4/30/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.01037               | 0.1653475               |
| South Canal | 02253500             | 12  | 5/11/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.3071525             | 0.1203525               |
| South Canal | 02253500             | 13  | 5/28/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.221895              | 0.104315                |
| South Canal | 02253500             | 14  | 6/8/98   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.04364               | 0.11149                 |
| South Canal | 02253500             | 15  | 7/13/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 2.3842225             | 0.4885725               |
| South Canal | 02253500             | 16  | 8/10/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.31751               | 0.145485                |
| South Canal | 02253500             | 17  | 9/14/98  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.909595              | 0.12914                 |
| South Canal | 02253500             | 18  | 10/12/98 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.78758               | 0.16283                 |
| South Canal | 02253500             | 19  | 11/18/98 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.2724325             | 0.1412975               |
| South Canal | 02253500             | 20  | 12/14/98 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.98931               | 0.1289225               |
| South Canal | 02253500             | 21  | 1/11/99  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.0039325             | 0.1030175               |
| South Canal | 02253500             | 22  | 2/8/99   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.6715325             | 0.1544625               |
| South Canal | 02253500             | 23  | 3/8/99   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.1725                | 0.10125                 |
| South Canal | 02253500             | 24  | 4/12/99  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.143                 | 0.1115                  |
| South Canal | 02253500             | 25  | 5/10/99  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.93                  | 0.21625                 |
| South Canal | 02253500             | 26  | 6/14/99  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.443                 | 0.1865                  |
| South Canal | 02253500             | 27  | 7/12/99  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.1955                | 0.149                   |
| South Canal | 02253500             | 28  | 8/9/99   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.05225               | 0.174                   |
| South Canal | 02253500             | 29  | 9/13/99  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.7675                | 0.31925                 |
| South Canal | 02253500             | 30  | 10/11/99 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.7415                | 0.294                   |
| South Canal | 02253500             | 31  | 11/8/99  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.398                 | 0.1155                  |
| South Canal | 02253500             | 32  | 12/13/99 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.114                 | 0.14                    |
| South Canal | 02253500             | 33  | 1/10/00  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.20475               | 0.10775                 |
| South Canal | 02253500             | 34  | 2/14/00  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.01025               | 0.10525                 |
| South Canal | 02253500             | 35  | 3/13/00  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.04475               | 0.104                   |
| South Canal | 02253500             | 36  | 4/10/00  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.889                 | 0.09775                 |
| South Canal | 02253500             | 37  | 5/8/00   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.17325               | 0.12725                 |
| South Canal | 02253500             | 38  | 6/12/00  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.4665                | 0.4055                  |

| Water Body  | Closest USGS Station | Obs | Date     | Station ID | Description                    | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|-------------|----------------------|-----|----------|------------|--------------------------------|--------|-----------------------|-------------------------|
| South Canal | 02253500             | 39  | 7/10/00  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.3365                | 0.145                   |
| South Canal | 02253500             | 40  | 8/14/00  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.2475                | 0.1985                  |
| South Canal | 02253500             | 41  | 9/11/00  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.205                 | 0.22125                 |
| South Canal | 02253500             | 42  | 10/10/00 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.876                 | 0.28075                 |
| South Canal | 02253500             | 43  | 11/14/00 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.2035                | 0.11925                 |
| South Canal | 02253500             | 44  | 12/11/00 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.96325               | 0.12325                 |
| South Canal | 02253500             | 45  | 1/8/01   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.313                 | 0.12225                 |
| South Canal | 02253500             | 46  | 2/12/01  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.98425               | 0.114                   |
| South Canal | 02253500             | 47  | 3/12/01  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.131                 | 0.10825                 |
| South Canal | 02253500             | 48  | 4/9/01   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.0715                | 0.266                   |
| South Canal | 02253500             | 49  | 5/14/01  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.276                 | 0.146                   |
| South Canal | 02253500             | 50  | 6/11/01  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.34                  | 0.16975                 |
| South Canal | 02253500             | 51  | 7/9/01   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.544                 | 0.32875                 |
| South Canal | 02253500             | 52  | 8/13/01  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.699                 | 0.2295                  |
| South Canal | 02253500             | 53  | 9/11/01  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 2.3595                | 0.39525                 |
| South Canal | 02253500             | 54  | 10/9/01  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.2095                | 0.1445                  |
| South Canal | 02253500             | 55  | 11/12/01 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.308                 | 0.10125                 |
| South Canal | 02253500             | 56  | 12/10/01 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.3145                | 0.0855                  |
| South Canal | 02253500             | 57  | 1/14/02  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.887                 | 0.12975                 |
| South Canal | 02253500             | 58  | 2/11/02  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.7205                | 0.40375                 |
| South Canal | 02253500             | 59  | 3/11/02  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.6345                | 0.13325                 |
| South Canal | 02253500             | 60  | 4/8/02   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.7425                | 0.158                   |
| South Canal | 02253500             | 61  | 5/13/02  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.7435                | 0.14225                 |
| South Canal | 02253500             | 62  | 6/10/02  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.693                 | 0.26                    |
| South Canal | 02253500             | 63  | 7/8/02   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.1715                | 0.20825                 |
| South Canal | 02253500             | 64  | 8/14/02  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.356                 | 0.3335                  |
| South Canal | 02253500             | 65  | 9/9/02   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.0465                | 0.205                   |
| South Canal | 02253500             | 66  | 10/14/02 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.913                 | 0.13175                 |
| South Canal | 02253500             | 67  | 11/11/02 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.0385                | 0.1865                  |
| South Canal | 02253500             | 68  | 12/11/02 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.186                 | 0.1295                  |
| South Canal | 02253500             | 69  | 1/13/03  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.091                 | 0.11625                 |
| South Canal | 02253500             | 70  | 2/10/03  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.7945                | 0.1025                  |
| South Canal | 02253500             | 71  | 3/10/03  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.7655                | 0.14225                 |
| South Canal | 02253500             | 72  | 4/14/03  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.677                 | 0.14475                 |
| South Canal | 02253500             | 73  | 5/12/03  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.7415                | 0.15875                 |

| Water Body  | Closest USGS Station | Obs | Date     | Station ID | Description                    | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|-------------|----------------------|-----|----------|------------|--------------------------------|--------|-----------------------|-------------------------|
| South Canal | 02253500             | 74  | 6/9/03   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.242                 | 0.181                   |
| South Canal | 02253500             | 75  | 7/14/03  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.934                 | 0.18225                 |
| South Canal | 02253500             | 76  | 8/11/03  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.435                 | 0.4975                  |
| South Canal | 02253500             | 77  | 9/8/03   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.817                 | 0.158                   |
| South Canal | 02253500             | 78  | 10/15/03 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.729                 | 0.1295                  |
| South Canal | 02253500             | 79  | 11/11/03 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.164                 | 0.14                    |
| South Canal | 02253500             | 80  | 12/10/03 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.786                 | 0.112                   |
| South Canal | 02253500             | 81  | 1/12/04  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.9245                | 0.11475                 |
| South Canal | 02253500             | 82  | 2/10/04  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.955                 | 0.09825                 |
| South Canal | 02253500             | 83  | 3/8/04   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.9595                | 0.127                   |
| South Canal | 02253500             | 84  | 4/13/04  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.769                 | 0.0825                  |
| South Canal | 02253500             | 85  | 5/12/04  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.972                 | 0.123                   |
| South Canal | 02253500             | 86  | 6/17/04  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.6635                | 0.21025                 |
| South Canal | 02253500             | 87  | 7/14/04  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.83875               | 0.1685                  |
| South Canal | 02253500             | 88  | 8/12/04  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.6195                | 1.216333333             |
| South Canal | 02253500             | 89  | 9/14/04  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.436                 | 0.3615                  |
| South Canal | 02253500             | 90  | 10/13/04 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.401                 | 0.2235                  |
| South Canal | 02253500             | 91  | 11/9/04  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.895                 | 0.0925                  |
| South Canal | 02253500             | 92  | 12/15/04 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.221                 | 0.1075                  |
| South Canal | 02253500             | 93  | 2/14/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.984                 | 0.075                   |
| South Canal | 02253500             | 94  | 3/16/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.897                 | 0.0825                  |
| South Canal | 02253500             | 95  | 3/22/05  | 27010040   | South Canal @ Old Dixie Hwy    | FDEP   | 1.97                  | 0.4                     |
| South Canal | 02253500             | 96  | 4/12/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.971                 | 0.148                   |
| South Canal | 02253500             | 97  | 5/12/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.828                 | 0.1205                  |
| South Canal | 02253500             | 98  | 5/18/05  | 27010040   | South Canal @ Old Dixie Hwy    | FDEP   | 1.231                 | 0.13                    |
| South Canal | 02253500             | 99  | 6/16/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.364                 | 0.209                   |
| South Canal | 02253500             | 100 | 7/12/05  | 27010040   | South Canal @ Old Dixie Hwy    | FDEP   | 1.493                 | 0.22                    |
| South Canal | 02253500             | 101 | 7/13/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.189                 | 0.192                   |
| South Canal | 02253500             | 102 | 8/11/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.264                 | 0.292                   |
| South Canal | 02253500             | 103 | 9/15/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.033                 | 0.1425                  |
| South Canal | 02253500             | 104 | 9/28/05  | 27010040   | South Canal @ Old Dixie Hwy    | FDEP   | 1.029                 | 0.17                    |
| South Canal | 02253500             | 105 | 10/13/05 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.229                 | 0.203                   |
| South Canal | 02253500             | 106 | 11/2/05  | 27010040   | South Canal @ Old Dixie Hwy    | FDEP   | 1.62                  | 0.43                    |
| South Canal | 02253500             | 107 | 11/8/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.414                 | 0.196                   |
| South Canal | 02253500             | 108 | 12/5/05  | 27010040   | South Canal @ Old Dixie Hwy    | FDEP   | 1.33                  | 0.16                    |

| Water Body  | Closest USGS Station | Obs | Date     | Station ID | Description                    | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|-------------|----------------------|-----|----------|------------|--------------------------------|--------|-----------------------|-------------------------|
| South Canal | 02253500             | 109 | 12/7/05  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.747                 | 0.1305                  |
| South Canal | 02253500             | 110 | 1/10/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.846                 | 0.095                   |
| South Canal | 02253500             | 111 | 2/16/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.836                 | 0.086                   |
| South Canal | 02253500             | 112 | 3/21/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.957                 | 0.1355                  |
| South Canal | 02253500             | 113 | 4/11/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.711                 | 0.1325                  |
| South Canal | 02253500             | 114 | 5/15/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.842                 | 0.229                   |
| South Canal | 02253500             | 115 | 6/21/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.892                 | 0.208                   |
| South Canal | 02253500             | 116 | 7/12/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.908                 | 0.1595                  |
| South Canal | 02253500             | 117 | 8/17/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.718                 | 0.1785                  |
| South Canal | 02253500             | 118 | 9/12/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.947                 | 0.271                   |
| South Canal | 02253500             | 119 | 10/11/06 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.891                 | 0.177                   |
| South Canal | 02253500             | 120 | 11/6/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.45                  | 0.168                   |
| South Canal | 02253500             | 121 | 12/4/06  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.113                 | 0.1755                  |
| South Canal | 02253500             | 122 | 1/9/07   | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.649                 | 0.1425                  |
| South Canal | 02253500             | 123 | 2/15/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.553                 | 0.094                   |
| South Canal | 02253500             | 124 | 3/15/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.867                 | 0.142                   |
| South Canal | 02253500             | 125 | 4/12/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.711                 | 0.1                     |
| South Canal | 02253500             | 126 | 5/14/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.869                 | 0.1345                  |
| South Canal | 02253500             | 127 | 6/14/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.113                 | 0.3345                  |
| South Canal | 02253500             | 128 | 7/12/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.35                  | 0.2805                  |
| South Canal | 02253500             | 129 | 8/16/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.024                 | 0.1725                  |
| South Canal | 02253500             | 130 | 9/13/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.03                  | 0.1565                  |
| South Canal | 02253500             | 131 | 10/8/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.7885                | 0.582                   |
| South Canal | 02253500             | 132 | 11/7/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.113                 | 0.1275                  |
| South Canal | 02253500             | 133 | 12/5/07  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.979                 | 0.1545                  |
| South Canal | 02253500             | 134 | 1/10/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.7855                | 0.0875                  |
| South Canal | 02253500             | 135 | 2/13/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.819                 | 0.09375                 |
| South Canal | 02253500             | 136 | 3/12/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.7695                | 0.12775                 |
| South Canal | 02253500             | 137 | 4/15/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.021                 | 0.14125                 |
| South Canal | 02253500             | 138 | 5/15/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.6985                | 0.151                   |
| South Canal | 02253500             | 139 | 6/12/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.2015                | 0.167                   |
| South Canal | 02253500             | 140 | 7/15/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.208                 | 0.16425                 |
| South Canal | 02253500             | 141 | 8/13/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.8745                | 0.11975                 |
| South Canal | 02253500             | 142 | 9/10/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.1495                | 0.16225                 |
| South Canal | 02253500             | 143 | 10/7/08  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.073                 | 0.142                   |

| Water Body  | Closest USGS Station | Obs | Date    | Station ID | Description                    | Source | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
|-------------|----------------------|-----|---------|------------|--------------------------------|--------|-----------------------|-------------------------|
| South Canal | 02253500             | 144 | 11/5/08 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.329                 | 0.16                    |
| South Canal | 02253500             | 145 | 12/1/08 | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.855                 | 0.094                   |
| South Canal | 02253500             | 146 | 1/7/09  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.79                  | 0.0695                  |
| South Canal | 02253500             | 147 | 2/3/09  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.705                 | 0.0635                  |
| South Canal | 02253500             | 148 | 3/2/09  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.779                 | 0.074                   |
| South Canal | 02253500             | 149 | 4/6/09  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.556                 | 0.091                   |
| South Canal | 02253500             | 150 | 5/6/09  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 0.774                 | 0.095                   |
| South Canal | 02253500             | 151 | 6/4/09  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.131                 | 0.281                   |
| South Canal | 02253500             | 152 | 7/8/09  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD | 1.239                 | 0.179                   |
| South Canal | 02253500             | 153 | 8/5/09  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD |                       | 0.1775                  |
| South Canal | 02253500             | 154 | 9/9/09  | IRLVSC     | IRL AT VERO SOUTH CANAL AT US1 | SJRWMD |                       | 0.1545                  |

## **APPENDIX E**

### **ERD'S RESPONSES TO FDEP QUESTIONS / COMMENTS**

- E.1 Questions/Comments Dated June 6, 2013**
- E.2 Questions/Comments Dated September 3, 2014**

## **E.1 Questions/Comments Dated June 6, 2013**



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July 10, 2013

Tom Frick, Chief  
Bureau of Watershed Restoration  
Florida Department of Environmental Protection  
2600 Blair Stone Road  
Twin Towers Office Building  
Tallahassee, FL 32399-2400

**RE: Responses to Comments from FDEP dated June 6, 2013 on the Draft Technical Memorandum Report Titled “Assessment and Evaluation of Model Input Parameters”**

Dear Mr. Frick:

Thank you for the very thorough review of the above document. Responses to the comments are summarized below, and where appropriate, have been incorporated into the Report as well. A revised version of the Technical Memorandum Report is attached.

- Section 2.1.3 - Estimation of Runoff Quantities:** The new SWIL model is a screening loading model that estimates nutrient loads based on the runoff coefficient and event mean concentrations (EMCs) for different land use and hydrological soil combinations. In this process, the runoff coefficient plays a crucial role in determining the final loads from the watershed. ERD established monthly average runoff coefficients using the Natural Resource Conservation Service's (NRCS) curve number approach, but modified as outlined on pages 2-18 and 2-19 of the report. It is not clear to us how the equations that ERD used were derived. Typically the NRCS approach estimates the runoff (Q) based on the rainfall (Pi) and potential maximum retention after a rainfall begins (S) using Equation 1 (NRCS, 1986):

$$Q = \frac{(Pi - 0.2S)^2}{(pi + 0.8S)} \quad \text{Equation 1}$$

Where,

Q is the runoff

Pi is the event rainfall

S is the potential maximum retention after a rainfall begins. S can be calculated using the following equation:

$$S = \frac{1000}{CN} - 10 \quad \text{Equation 2}$$

Where,

CN is the curve number related to the runoff potential for different land use and hydrologic soil combinations. CN has a range between 0 and 100; the higher the CN, the higher the runoff potential.



CN numbers recommended for different land uses and soil types can be found from NRCS publication Technical Release 55 (TR-55, NRCS, 1986). In order to estimate the average CN for all land use-soil types with varied percent imperviousness and directly connected imperviousness, ERD proposed the following equation:

$$nDCIA\ CN = \frac{CN * (100 - Imp) + 98 * (Imp - DCIA)}{(100 - DCIA)} \quad \text{Equation 3}$$

Where,

nDCIA CN is the average CN for a specific land use/soil types with Imp percent of impervious area and DCIA percent of directly connected impervious area.

CN is the curve number for the pervious area

Imp is the percentage of the land use area that is impervious, and

DCIA is the percentage of the land use area that is directly connected to the stormwater sewer.

The Department has some concerns regarding how Equation 3 was derived.

If we apply Equation 2 to a land use with specific percent impervious area and DCIA area, we should have:

$$nDCIA\ S = \frac{1000}{nDCIA\ CN} - 10 \quad \text{Equation 4}$$

Where,

nDCIA S is the average maximum retention rate for the land use after a rainfall event starts.

Equation 4 can be converted to Equation 5 so that we can calculate the nDCIA CN

$$nDCIA\ CN = \frac{1000}{(nDCIA\ S + 10)} \quad \text{Equation 5}$$

In Equation 5, the nDCIA S can be related to the total rain retention using Equation 6:

$$nDCIA\ S * nDCIA\ A = S_{per} * A_{per} + S_{(Imp - DCIA)} * A_{(Imp - DCIA)} \quad \text{Equation 6}$$

Where,

NDCIA A is the total non-DCIA area of the land use, which includes the area of the pervious land and the area of the impervious land subtracting the area of DCIA.

$S_{per}$  is the maximum retention rate by the pervious area.

$A_{per}$  is the area of the pervious area.

$S_{(Imp - DCIA)}$  is the maximum retention rate by the impervious area that is not DCIA

$A_{(Imp - DCIA)}$  is the impervious area that is not DCIA.

Equation 6 can be further converted into Equation 7:

$$nDCIA\ S = \frac{S_{per} * A_{per} + S_{(Imp - DCIA)} * A_{(Imp - DCIA)}}{nDCIA\ A} \quad \text{Equation 7}$$

Dividing both the numerator and denominator in Equation 7 by the total area of the land use under question, we can get Equation 8

$$nDCIA\ S = \frac{S_{per} * (100 - Imp) + S_{(Imp-DCIA)} * (Imp - DCIA)}{(100 - DCIA)} \quad \text{Equation 8}$$

Where,

Imp is the percentage of the impervious area of the land use

DCIA is the percentage of the impervious area of the land use that is DCIA.

Substituting Equation 8 into Equation 5, we have:

$$nDCIA\ CN = \frac{1000}{\left[ \frac{S_{per} * (100 - Imp) + S_{(Imp-DCIA)} * (Imp - DCIA)}{(100 - DCIA)} \right] + 10} \quad \text{Equation 9}$$

Because:

$$S_{per} = \frac{1000}{CN_{per}} - 10 \quad \text{Equation 10}$$

$$S_{(Imp - DCIA)} = \frac{1000}{CN_{(Imp - DCIA)}} - 10 \quad \text{Equation 11}$$

Substituting Equations 10 and 11 into Equation 8 and simplify, we get the Equation 12 to calculate the final nDCIA CN:

$$nDCIA\ CN = \frac{98 * CN_{per} * (100 - DCIA)}{98 * (100 - Imp) + CN_{per} (Imp - DCIA)} \quad \text{Equation 12}$$

Equation 12 is different from Equation 3 used by ERD. It would be useful if ERD could provide some clarification on how Equation 3 was derived.

**Response:** The previous equation listed as Equation 3 is not a “derived” equation. It is simply a standard relationship used to calculate a weighted CN value for the non-DCIA areas. The weighted CN value is then used in Equation 2 to calculate soil storage (S) which is then used in the standard NRCS equation (Equation 1) to calculate runoff from the non-DCIA areas. The text in Section 2.1.3.1 of the ERD report has been modified to help clarify this issue.

ERD appreciates the effort by the Department to derive an independent equation for the non-DCIA CN value. However, there appears to be an error, or perhaps a typo, in the final equation listed as Equation 12. For example, for a hypothetical parcel with 20% impervious, 0% DCIA, and a pervious CN value of 75, DEP Equation 12 returns a composite CN value of 92.3 which appears to be incorrect, while the ERD Equation 3 returns a composite CN value of 79.6, which appears to be more in line with the anticipated value.

2. **Section 2.1.4 - Land Use Characteristics:** We appreciate the effort that ERD took in determining the percent imperviousness and DCIA for each different land use based on locally collected data instead of just using literature published data. It is not clear in the report what criteria were used to delineate impervious land areas and directly connected impervious areas. It would be useful if ERD could provide more detailed information on selection criteria.

**Response:** ERD evaluated the percent imperviousness of the three main developed land uses in Brevard County which were low, medium and high density residential. Areal percentages of the developed consolidated land uses for Brevard County, based on the 2004 GIS land use layer, are summarized in Table 1. Residential land use accounts for approximately 70 percent of the developed land use in Brevard County. Although the Indian River Lagoon study extends to Indian River County, only Brevard County was being considered at the time the imperviousness study was conducted.

**Table 1**  
**Summary of Developed Land Use Area for Brevard County**

| <b>Consolidated Land Use</b> | <b>Land Use Area (acres)</b> | <b>Percent of Developed Land Use Area (%)</b> | <b>Cumulative Percent of Developed Land Use Area (%)</b> |
|------------------------------|------------------------------|-----------------------------------------------|----------------------------------------------------------|
| Medium Density Residential   | 55,812                       | 38.3                                          | 38.3                                                     |
| Low Density Residential      | 32,930                       | 22.6                                          | 61.0                                                     |
| High Density Residential     | 13,560                       | 9.3                                           | 70.3                                                     |
| Institutional                | 14,707                       | 10.1                                          | 80.4                                                     |
| Commercial                   | 10,972                       | 7.5                                           | 87.9                                                     |
| Transportation               | 7,153                        | 4.9                                           | 92.8                                                     |
| Industrial                   | 4,405                        | 3.0                                           | 95.9                                                     |
| Recreational 1               | 3,800                        | 2.6                                           | 98.5                                                     |
| Recreational 2               | 2,204                        | 1.5                                           | 100.0                                                    |

Typical values for percent impervious were used for all of the remaining land uses listed in Table 1 except for the institutional land use. Institutional land use which is typically 30 to 40 percent impervious was assumed to be 20 percent impervious because Kennedy Space Center accounted for approximately 40 percent of institutional land uses in Brevard County and it was considered much less impervious than the typical schools and churches that usually account for most of the institutional land use. DCIA was not delineated for any of the developed land uses and therefore typical DCIA values were used.

Impervious areas were delineated by sorting polygons in the SJRWMD 2004 land use layer for each of the three residential categories by area and dividing them into quartiles. This was done in order to limit any potential bias due to polygon size. For instance there are 532 medium density polygons in the SJRWMD Brevard County land use that range from less than 1 acre to 5,723 acres. Twenty five percent of the medium density polygons are less than 145 acres, fifty percent are less than 429 acres, 75 percent are less than 1092 acres and the remaining twenty five percent is contained in 7 polygons greater than 1092 acres. For each land use three polygons were selected from approximately the midpoint of each quartile, twelve for each land use. The polygons were identified by their OBJECTID number in the land use layer.

For polygons less than approximately 80 acres the impervious area for the entire polygon was measured. For polygons greater than 80 acres a 1 acre grid was overlaid on top of the selected polygons. A random sample of ten to twenty percent of the 1 acre grid plots were selected for impervious area delineation. Only grid plots completely contained within the polygons were used.

Impervious areas were delineated by sketching the impervious area using 2009 ortho quad aerial. Sidewalks, roadways, driveways and rooftops were considered 100 percent impervious. Where possible swimming pool decks were delineated and considered 100 percent impervious. When not clearly visible, swimming pool areas were visually divided in half. The reason was that water falling on the pool itself stays in the pool but the decks usually slope away from the pool. A typical example of a sampled medium density polygon is shown in Figure 1. The results are presented in Tables 2, 3 and 4 for low, medium and high density polygons.

For the low density residential category, the percent imperviousness ranged from 4.4 to 24.2 percent with a mean of 12.9 percent. The lowest values were associated with the rural residential land use (1180) which accounted for about fifteen percent of the consolidated low density land use for Brevard County. The percent impervious area for medium density ranged from 24.7 to 50.8 percent with a mean of 37.3 percent. The percent impervious area for high density residential ranged from 38.9 to 61.3 percent with a mean of 49.5 percent. Because the sampled percent impervious values of 12.9, 37.3 and 49.5 for low, medium and high density residential were so close the typical values of 15, 40 and 50 percent for the respective land uses and because the project was expanded to include Indian River County it was decided to use the typical values for these land uses.



Figure 1. Example of Sampled Impervious Area Delineation for Medium Density Residential Polygon.

**Table 2**  
**Summary of Low Density Residential Land Use**  
**Imperviousness for the Brevard County 2004**

| obs          | Consolidated Land Use   | LUCODE | ObjectID | Area (acres) | Percent Impervious (%) |
|--------------|-------------------------|--------|----------|--------------|------------------------|
| 1.0          | Low Density Residential | 1100   | 339135   | 18           | 24.2                   |
| 2.0          | Low Density Residential | 1180   | 11048    | 18           | 19.1                   |
| 3.0          | Low Density Residential | 1100   | 214694   | 19           | 13.1                   |
| 4.0          | Low Density Residential | 1100   | 136157   | 70           | 18.0                   |
| 5.0          | Low Density Residential | 1180   | 140555   | 70           | 5.2                    |
| 6.0          | Low Density Residential | 1100   | 348001   | 71           | 16.6                   |
| 7.0          | Low Density Residential | 1100   | 191157   | 294          | 9.1                    |
| 8.0          | Low Density Residential | 1180   | 26357    | 309          | 6.8                    |
| 9.0          | Low Density Residential | 1100   | 159231   | 399          | 11.2                   |
| 10.0         | Low Density Residential | 1180   | 33223    | 759          | 4.4                    |
| 11.0         | Low Density Residential | 1100   | 30147    | 962          | 13.3                   |
| 12.0         | Low Density Residential | 1100   | 322932   | 1,480        | 14.3                   |
| <b>MEAN:</b> |                         |        |          |              | <b>12.9</b>            |

**Table 3**  
**Summary of Medium Density Residential Land Use**  
**Imperviousness for the Brevard County 2004**

| obs   | Consolidated Land Use      | LUCODE | ObjectID | Area (acres) | Percent Impervious (%) |
|-------|----------------------------|--------|----------|--------------|------------------------|
| 1.0   | Medium Density Residential | 1200   | 222594   | 76           | 50.8                   |
| 2.0   | Medium Density Residential | 1200   | 238489   | 80           | 49.2                   |
| 3.0   | Medium Density Residential | 1200   | 114359   | 82           | 40.6                   |
| 4.0   | Medium Density Residential | 1200   | 97211    | 310          | 32.4                   |
| 5.0   | Medium Density Residential | 1200   | 80754    | 320          | 38.7                   |
| 6.0   | Medium Density Residential | 1200   | 215239   | 341          | 37.3                   |
| 7.0   | Medium Density Residential | 1200   | 350840   | 725          | 31.4                   |
| 8.0   | Medium Density Residential | 1200   | 129733   | 746          | 24.7                   |
| 9.0   | Medium Density Residential | 1200   | 125092   | 837          | 41.0                   |
| 10.0  | Medium Density Residential | 1200   | 78011    | 1,257        | 45.2                   |
| 11.0  | Medium Density Residential | 1200   | 203326   | 1,279        | 26.7                   |
| 12.0  | Medium Density Residential | 1200   | 177149   | 2,408        | 29.8                   |
| MEAN: |                            |        |          |              | 37.3                   |

**Table 4**  
**Summary of High Density Residential Land Use**  
**Imperviousness for the Brevard County 2004**

| obs   | Consolidated Land Use    | LUCODE | ObjectID | Area (acres) | Percent Impervious (%) |
|-------|--------------------------|--------|----------|--------------|------------------------|
| 1.0   | High Density Residential | 1300   | 156575   | 14           | 42.3                   |
| 2.0   | High Density Residential | 1300   | 314659   | 14           | 49.2                   |
| 3.0   | High Density Residential | 1300   | 174823   | 14           | 58.2                   |
| 4.0   | High Density Residential | 1300   | 256518   | 41           | 60.3                   |
| 5.0   | High Density Residential | 1300   | 268725   | 43           | 44.5                   |
| 6.0   | High Density Residential | 1300   | 55853    | 44           | 61.3                   |
| 7.0   | High Density Residential | 1300   | 176381   | 45           | 56.3                   |
| 8.0   | High Density Residential | 1390   | 323218   | 103          | 49.2                   |
| 9.0   | High Density Residential | 1300   | 248114   | 110          | 45.5                   |
| 10.0  | High Density Residential | 1300   | 89789    | 111          | 47.0                   |
| 11.0  | High Density Residential | 1300   | 338198   | 215          | 41.7                   |
| 12.0  | High Density Residential | 1300   | 159582   | 557          | 38.9                   |
| MEAN: |                          |        |          |              | 49.5                   |

3. **Section 2.1.5 - Hydrologic Characteristics:** ERD used a random sampling approach to analyze the percent imperviousness and DCIA for a number of polygons of a given land use category.

a. How was the random sampling conducted?

**Response:** Refer to the explanation for question #2

- b. What time period(s) were used for the random sampling, 2000 and 2004 or other?

**Response:** Random sampling for impervious area was based on the SJRWMD 2004 Land Use GIS layer for Brevard County using 2009 ortho quad aerials.

- c. How many samples were analyzed for each land use type?

**Response:** Twelve polygons from each land use (low, medium and high density residential) for a total of 36 polygons.

4. A few inconsistencies were noted in the report that should be reconciled. For example, the percent imperviousness listed in Table 2-13 for Medium-Density Residential land use is 30, but it is shown as 40 in Table 2-15 for the same land use type. The percent imperviousness and DCIA on Table 2-13 for water are both zero. However, on Table 2-17, the percent imperviousness and DCIA for water both become 100. Please clarify which one is correct.

**Response:** The percent imperviousness for Medium Density Residential should have been 40 in Table 2-13 (now Table 2-14). A value of 40 was used in all modeling. The percent imperviousness and DCIA for water should be 100 in Table 2-13 (now Table 2-14). A percentage of 100% for water was used in the modeling.

5. **Section 2.1.6 – Evapotranspiration:** Equation 3 on Page 2-41 was used to estimate the amount of evaporation from impervious area.

$$E_{imp} = \frac{\%Imp}{100 * P * I_a} \quad \text{Equation 13}$$

Where:

$E_{imp}$  is the Evaporation from impervious area, in inches.

% Imp is the percent impervious area, which is a dimensionless parameter.

P is the monthly rainfall, also in inches.

$I_a$  is the fraction of abstracted rainfall, which is a dimensionless parameter.

The final unit of  $E_{imp}$  based on the above equation and explanation is 1/inches, not inches as indicated above. Is this equation set up correctly?

**Response:** The equation for impervious area evaporation (Equation 3) is listed incorrectly. Equation 13 should read:

$$E_{imp} = \frac{\%Imp}{100} * P * I_a$$

6. **Section 2.1.6 – Evapotranspiration:** The determination of evapotranspiration (ET) is an important step for estimating baseflow.

- a. The total ET was estimated using Equation 4 on Page 2-41. In this equation, a constant  $b = 0.77$  was applied to the evapotranspiration from the developed impervious and pervious land areas. Based on the explanation provided by the report, the constant  $b$  was derived as part of the calibration process. It is not very clear what calibration process was used to establish this constant. Why was this constant only applied to the developed pervious and impervious areas, but not to other pervious areas?

**Response:** The ET constant b from Equation 4 was derived as part of the total stream flow calibration, the assumption being that the total monitored streamflow is equal to rainfall over the basin minus ET from the basin. The calibration consisted of iterating adjustment factors for the developed ET and undeveloped ET separately. This was done because the developed and undeveloped ET values were estimated differently. The developed ET was calculated as the sum of the developed impervious ET and developed pervious ET, whereas the undeveloped ET was estimated directly by the satellite base method described in Section 2.1.6 of the ERD report.

By minimizing the percent bias (PBIAS) and maximizing the Nash-Sutcliffe efficiency (NSE) target statistics, an adjustment factor (b) for the developed ET of 0.77 was found to provide the best fit for total streamflow.

- b. The annual average ET for undeveloped areas seems low compared to other estimates made for the Indian River Lagoon. The average ET for the WSIS study area was around 40 inches per year whereas ET for undeveloped areas is 29.65 inches per year. Why is there a difference between values and what would be the reason for the difference?

**Response:** The ET values used are based on the calibration values from the tributary monitoring data. The actual evapotranspiration values (AET) for the undeveloped areas for the SWIL model were obtained directly from a satellite remote sensing method described in Section 2.1.6. The WSIS study utilized Hargreaves equation to estimate potential evapotranspiration (PET) and in turn, estimate AET. Some of the difference is likely due to the methods utilized for estimating AET. An additional source for the discrepancy may be differences in the undeveloped land uses. Wetlands have higher AET values than upland forests etc.

7. **Section 2.1.6 – Baseflow:** The calculation of baseflow is a very important part of the SWIL model simulation. On Page 2-45 of the report, the baseflow was calculated using Equation 14 (listed as equation 7 in the report):

$$B_i = S_i * a \quad \text{Equation 14}$$

Where,

$B_i$  is the baseflow for month i  
 $S_i$  is the soil rain water storage for month i  
a is the baseflow lag factor, a constant.

On Page 2-43,  $S_i$  is calculated using Equation 15:

$$S_i = S_{i-1} + \Delta S_i - B_{i-1} \quad \text{Equation 15}$$

Where,

$\Delta S_i$  is the change of soil rain water storage in month i  
 $B_{i-1}$  is the baseflow volume for the previous month i – 1

The  $\Delta S_i$  can be calculated using Equation 16:

$$\Delta S_i = P_i - ET_i - R_i \quad \text{Equation 16}$$

Where,

$P_i$  is the rainfall volume for month i  
 $ET_i$  is the evapotranspiration volume for month i  
 $R_i$  is the runoff volume for month i

Why does Equation 15 uses  $B_{i-1}$  instead of  $B_i$ , which is the baseflow volume for month  $i$ ? It would be useful if the exact meaning of  $S_i$  can be clearly defined in the report. In other words, is  $S_i$  the soil rain water storage at the beginning of month  $i$  or at the end of the month  $i$ ? Looking at Equation 15, it appears that the  $S_i$  is the soil rain water storage at the end of month  $i$  because  $\Delta S_i$  can only be calculated when month  $i$  is finished. If this is the case, at the end of the month  $i$ , the soil rain water storage should be equal to the soil rain water storage of the previous month (month  $i - 1$ ), plus all the rain water infiltrating into the soil in this month (month  $i$ ), and minus the soil water that leaves the soil in this month as baseflow ( $B_i$ ). Therefore, the Equation 15 should really be:

$$S_i = S_{i-1} + \Delta S_i - B_i \quad \text{Equation 17}$$

Using the baseflow calculation equation used by ERD, the baseflow for month  $i$  would be:

$$B_i = [P_i - ET_i - R_i + S_{i-1} - B_{i-1}] \times a \quad \text{Equation 18}$$

However, if we assume that  $B_i$  should be used in place of  $B_{i-1}$  in Equation 18, the baseflow would be calculated as:

$$B_i = [P_i - ET_i - R_i + S_{i-1} - B_i] \times a \quad \text{Equation 19}$$

Converting Equation 19 to Equation 20, the baseflow calculation should be:

$$B_i = \frac{(P_i - ET_i - R_i) \times a}{(1 + a)} \quad \text{Equation 20}$$

Please clarify which is the correct baseflow calculation.

**Response:** Equation 18 is correct. However, the baseflow for a given month is calculated using Equation 14, but  $B_i$  cannot be calculated until  $S_i$  is known, so  $B_{i-1}$  is used as an estimate of  $B_i$ . An important thing to consider is that the actual long term total baseflow is unaffected by these equations. Over the long term baseflow simply equals  $P - R - ET$ . These series of equations were meant to simply distribute the baseflow by month. The way it was conceived the term  $(S_{i-1} - B_{i-1})$  represents the initial storage for month  $i$ . From there  $\Delta S_i (P_i - ET_i - R_i)$  is added yielding the storage ( $S_i$ ) which is then multiplied by  $a$  to calculate  $B_i$ . If  $B_i$  were used in place of  $B_{i-1}$  the baseflow factor ( $a$ ) would be multiplying a storage volume already depleted by the baseflow it was calculating.

8. **Section 2.1.6 – Baseflow:** It is unclear why the lag factor  $a$  used in the baseflow equation would be a constant and not vary with such factors as precipitation, density of drainage features, and lateral hydraulic conductivity of the soil. If only 37% of storage is discharged as baseflow for a given month, then wouldn't storage continue to increase and reach maximum field capacity?

**Response:** Ideally all those factors would be considered as part of a 3 dimensional groundwater model. However the goal of this model was to develop a generalized hydrologic model, utilizing monthly data sets and simple land use and soil map GIS data. The computational complexity of adding additional accuracy to the monthly baseflow calculation was unnecessary for the model's purpose. However, it should be noted that the lag factor is used only to allocate the annual baseflow volume into monthly time steps requested by the water quality modeling experts and has no impact on the annual baseflow volume. The total mean annual baseflow volume is independent of these calculations.

The reason the storage doesn't continue to increase to field capacity is that as the storage term increases, a larger absolute value is subtracted each month and eventually reaches a point where it is greater than or equal to  $\Delta S_i$  at which point it begins to decrease. It is somewhat self regulating where the long term average of the storage multiplied by  $a$  is equal to average baseflow. In the model the initial storage value for the first simulation month, before  $S_{i-1}$  exists, the mean storage value for December is used.



9. **Section 2.2 - Runoff Characterization:** Extensive data review was conducted by Harper and Baker (2007) along with data collection from state parks to represent runoff from natural areas. Some of the results raise questions as outlined below.

- a. How can natural mixed forests (upland mixed forest) generate phosphorus concentrations that are almost 5 times higher than runoff from row crops?

**Response:** The results of this study were discussed extensively with FDEP and the Stormwater Rule working group. The upland forests consisted primarily of deciduous species, and a thick litter layer was present on the ground. When fallen leaves come into contact with water, large amounts of nutrients are released which increases nutrient concentrations in the runoff. This phenomenon has been demonstrated repeatedly in BMPs which collect and store leaves and other vegetation.

- b. Many of the developed areas listed in Table 2-17 have lower event mean concentrations when compared to the Harper and Baker 2007 report. Conversely, many of the natural areas in table 2-17 have higher EMCs compared to those in the 2007 report. Using an area-weighted average, EMCs for undeveloped categories rose by 0.09 mg/L for TN and by 0.107 mg/L for TP compared to the 2007 report. EMCs for developed areas decreased by 0.15 mg/L TN and 0.023 mg/L TP. Since there was no comparison to storm event sampling data collected in the study area, what is the reason for these differences? How can all wetlands be considered as sources of loading, especially in light of the conclusions reached in the 2007 report?

**Response:** The 2007 report did not contain reliable concentrations for undeveloped areas since only 3 studies were included, only one of which was located in Florida. The purpose of the natural area monitoring in the State parks was to develop emc data for natural areas in Florida. A valid comparison cannot be made between the two data sets.

The emc data for developed areas in the IRL reflects the most current version of the Florida emc database which is maintained by ERD for FDEP. The most recent emc values contain many more studies than the 2007 report and calculate mean values as geometric means rather than arithmetic means which also tends to produce slightly lower values.

References to emc values and loadings from wetlands were excluded from the 2007 report as a result of an agreement between FDEP and the Conservancy of Southwest Florida. However, all wetlands discharge nutrients and are, therefore, a source of loadings. The primary point of contention with wetlands is the source of the nutrients which are released, primarily whether the loadings originated from upland areas or within the wetland itself. Some people make the argument that since wetlands sometimes remove nutrients from upland areas that the wetland itself should have a zero loading. However, this argument is analogous to saying that a stormwater pond is not a source of pollutants since it also removes nutrients from upland areas.

10. **Section 3.1 - Monitoring Site Selection:** The characterization of nutrient concentrations in baseflow is an important step that will allow the estimation of nutrient loads entering the Indian River Lagoon through the baseflow pathway. ERD defined the baseflow nutrient concentration as the ambient nutrient concentrations measured under the baseflow condition. Baseflow separation analyses were conducted to ensure that only those water quality samples collected when the baseflow accounted for more than 75% of the total stream flow were examined for baseflow nutrient concentrations.

- a. A list of water quality stations used for the baseflow nutrient concentrations analyses were listed in Table 3-6 on Page 3-16 of the report. We have concerns about the use of some of these station's data because of their location. Stations that are located in the pool areas immediately upstream of a control structure may not be the best sampling location for reliable representative data. For example, station IRLUPEGWR is located at the Eau Gallie River upstream of the weir structure. This is a ponded area where ground water mixes with runoff. A baseflow separation program may not be able to identify the portion of the ground water in this pool area to properly identify the baseflow nutrient concentration.

**Response:** The purpose of the baseflow nutrient analysis was to develop a generalized mean baseflow concentration for the entire IRL system. The basic assumption is that most of the baseflow reaching the IRL is transported via ditches or tributaries and whatever transformations that occur in these conveyances are reflected in the mean concentrations which reach the lagoon. There are many tributaries with control structures in the watershed and, therefore, it did not seem appropriate to exclude these values. In addition, to minimize impacts from ponded water, the samples collected during stagnant conditions were not used to estimate baseflow characteristics. Baseflow discharges ranged between 4.1 cfs and 16 cfs during periods when baseflow sampling was conducted.

- b. Some other stations, such as Main Relief Canal on the upstream side of US 1 bridge (27020011), North Canal at 58th Street Bridge (27010144), IRL at Vero South Canal at US 1 (IRLVSC), etc. are located in tidally influenced areas. A baseflow separation program may not be able to separate baseflow in tidally influenced areas making it difficult to identify the baseflow nutrient concentration. In addition, concentration at these stations can be significantly influenced by the input from the marine environment.

**Response:** The baseflow separations for the Main Relief, North and South Canals were used to classify the dominant component of stream flow in the canal. The mean antecedent 5-day baseflow composition for the three canals ranged from 65-80 percent baseflow prior to the sampling date, indicating that a sample collected at the end of that period should be representative of baseflow for the canal. All three canals had positive daily stream flows which should minimize any tidal flushing. However, ERD has no objections to removing these stations. However, removing the three stations only minimally changes the geometric means used for nutrient concentrations. Without the three canal stations, the mean total nitrogen concentration increases from 0.886 mg/l to 0.887 mg/l and total phosphorus concentration decreases from 0.122 mg/l to 0.109 mg/l. Our analysis opted for using as much data as possible and since these canals are major contributors to the IRL, it seemed appropriate to include the data.

- c. Why was the Eau Gallie River at Heather Glen station excluded?

**Response:** The Eau Gallie River station was excluded only for the stream flow and ET calibrations because it was an outlier during preliminary calibration runs. The modeled total stream flows were approximately 12% below the monitored stream flow. Therefore, based on the model assumptions, rainfall minus ET equals total stream flow, ET either had to be much lower than 18 inches/year or the basin boundary was incorrect. These concerns, combined with the control structure, led to the site's elimination. This site was not excluded for estimating nutrient concentrations.

- d. How was bi-directional flow via culverts under Interstate 95 dealt with in the Crane Creek catchment?

**Response:** Bi-directional flow under I-95 was not considered. The Crane Creek watershed was approximately the same as the boundary delineated in the SJRWMD QUAD basin boundaries which end at I-95.

11. **Section 3.1 - Monitoring Site Selection:** Using the ambient nutrient concentration collected from tributaries, especially those stations located close to the tributary mouth at the Indian River Lagoon, presents another complication. The input of nutrients from ground water (baseflow) may be difficult to separate from the input of nutrients from sediment nutrient flux. The mouth of the tributary is where muck accumulates and this may influence data collected at these stations. If ambient nutrient concentrations measured under the baseflow condition is the only option for defining the baseflow nutrient concentrations in the Indian River Lagoon basin, using water quality stations located in upstream segments of the tributaries may provide more representative results.

**Response:** After reviewing the locations of the water quality monitoring sites, none of them appear to be close enough to the actual lagoon to capture sediment nutrient release from the Lagoon. However, it is likely that each of the tributaries contains accumulated deposits that can impact water quality characteristics. Under these conditions, the term “baseflow” reflects the combined inputs from groundwater inflows minus removal processes in the tributaries plus sediment nutrient release. Baseflow concentrations determined through the ambient monitoring program reflect a net concentration for the non-stormwater related events.

12. **Section 3.3 - Baseflow Separation:** Baseflow separation was conducted using the two parameter digital filter method in the WHAT program proposed by Eckhardt in 2005. This method relies on two parameters to separate the baseflow, which are the maximum value of long-term ratio of baseflow to total stream flow (BFI<sub>max</sub>) and a filter parameter ( $\alpha$ ).

- a. ERD used the default parameter values including 0.98 for  $\alpha$  and 0.80 for BFI<sub>max</sub>. BFI<sub>max</sub> is a very important parameter in the baseflow separation calculation. The 0.80 number used for BFI<sub>max</sub> was derived based on flow measures collected outside Florida. It would be a prudent practice to confirm the baseflow separation parameter using methods that were applied in Florida cases, especially for the Indian River Lagoon watershed. One suggested way to do this is to compare the baseflow separation results using the WHAT program to the baseflow component simulated using the HSPF model developed for the Indian River Lagoon basin.

**Response:** ERD does not have a copy of the HSPF model for the Indian River Lagoon basin for comparison with the WHAT program, and given some of the known inaccuracies in the HSPF model involving runoff C values and soil types, it is unlikely that the HSPF model would provide a useful comparison. The mass balance approach used by ERD assumes that baseflow is equal to total stream flow minus runoff and therefore the fact that baseflow fit the calibration model assumptions was some indication that the initial assumptions were close. In order for the baseflow in the model to be lower, the runoff volume would have to increase. ERD has confidence in the assumptions involving curve number, percent impervious and DCIA, and subsequent C values used as input for estimation of runoff and ultimately baseflow. In the end the total volume and load to the IRL is fairly unaffected by the baseflow separation because the total volume is simply equal to rainfall minus ET.

- b. The WHAT model may produce reasonable numbers for baseflow separation, but why does the percent baseflow increase with the level of development? For example Crane Creek and Hickory Canal (Table 3-5) are both 71%.

**Response:** As the level of development increases, the percent of impervious area increases which in turn decreases ET which increases the total volume from the basin. Since baseflow is simply the difference between total volume and runoff volume, runoff volumes would have to increase in order for baseflow to decrease. In addition storm water discharging or infiltrating from storm water systems is considered baseflow.

13. **Section 3.4 - Chemical Characterization:** Event related sampling data were used but further detail is needed on how data were selected.

- a. Where along the event hydrograph did sample collection take place? Is the full range of the hydrograph well represented?

**Response:** The data used for estimation of baseflow emc values was collected as part of an ambient monitoring program which collected samples at specific time intervals (i.e., monthly, quarterly, etc.) and reflected virtually all portions of the tributary hydrographs. The only criterion used by ERD to classify a sample as baseflow was that the sample be composed of at least 75% baseflow based on the hydrograph separation.

- b. What sample size was used for determining event concentrations?

**Response:** The following table contains a summary of the nutrient concentration data used to estimate the baseflow emc values:

| Tributary        | Number of Samples |                  | Geometric Mean        |                         |
|------------------|-------------------|------------------|-----------------------|-------------------------|
|                  | Total Nitrogen    | Total Phosphorus | Total Nitrogen (mg/l) | Total Phosphorus (mg/l) |
| Eau Gallie River | 12                | 17               | 0.921                 | 0.168                   |
| Crane Creek      | 71                | 71               | 0.931                 | 0.112                   |
| Turkey Creek     | 73                | 78               | 0.775                 | 0.046                   |
| South Prong      | 6                 | 6                | 0.922                 | 0.139                   |
| North Prong      | 1                 | 0                | 0.735                 | --                      |
| Fellsmere Canal  | 10                | 10               | 1.082                 | 0.130                   |
| North Canal      | 5                 | 5                | 0.715                 | 0.137                   |
| Main Canal       | 155               | 159              | 0.919                 | 0.146                   |
| South Canal      | 152               | 154              | 1.054                 | 0.156                   |
| <b>TOTAL:</b>    | <b>485</b>        | <b>500</b>       | <b>0.886</b>          | <b>0.122</b>            |

- c. Why were existing storm-event sampling data (Crane Creek, Hickory Canal, and South Prong) not used in determining which EMCs were used for calibration?

**Response:** Storm event sampling in tributaries is not useful in calibrating land use emc values for several reasons. First, the runoff has been significantly altered by stormwater management systems, vegetation, and conveyance systems prior to reaching the tributaries, and the values in the tributaries bear little resemblance to the original runoff value. Second, the watersheds are comprised of many different land uses which further complicates identification of an emc for a single land use.

14. **Section 4.2 - Calibration Methods:**

- a. How was rainfall weighted?

**Response:** For the calibration mean area weighted average monthly rainfall values for each tributary basin were used. The weighted average was calculated from the same rainfall raster files created for the SWIL model.

- b. Comparison of simulated to measured stream flow for the Sebastian tributaries shows consistent underestimation during high flow months. What is the reason for this discrepancy?

**Response:** It is uncertain why high stream flows were underestimated. However high stream flows at the monitoring stations often corresponded with hurricanes and tropical storms. Because stream flow in the model is simply rainfall minus ET, either the rainfall is too low or the ET value is too high, or a combination. The monthly C values used to calculate runoff are based on an average rainfall distribution for the given month. High flow months most likely have rainfall distributions considerably different than average monthly values used. Another possibility could be error associated with gauging the streams at during high flow. Yet another possibility might be due to active water management preceding the storms increased the monthly flow or possibly a combination of all these.

15. **Section 4.4 - Runoff Volume Calibration:** It isn't always clear how C-values were selected or calibrated.

- a. How were C-value factors applied? As multipliers?

**Response:** The calculated C value for each combination of DCIA and curve number reflects the average runoff/rainfall ratio for a given meteorological monitoring site for the period of record included in the modeling. The calculated runoff C value reflects anticipated runoff/rainfall relationships over an extended period of time (ranging from 47-63 years) for each site.

The C-values factors were applied as multipliers. For instance for a given land use an initial C value was calculated based on continuous monthly rainfall simulation using a typical curve number and percent DCIA value.

- b. Upland forests were included in the wetlands category based on the presumption that drainage from this land use was poor in many parts of the basin. How uniform or consistent is poor drainage from uplands in the basin? If uplands mixed forests were not included in the wetlands category what would be their C-value?

**Response:** Upland forests were not included in the wetlands category, only wet flatwoods. Uniform or consistent drainage was only not considered directly but was most likely accounted for in the calibration. Since adjusting the C values during the calibration had little effect on the model it was assumed that the initial C values were appropriate. For D or /D soils monthly C values ranged from 0.052 to 0.225 with an unweighted mean of 0.108.

- c. Curve numbers for wetlands were not listed in NRCS publication TR-55. If not in TR-55, what is the source of these curve numbers?

**Response:** Curve numbers were not used directly in the program but are used to calculate monthly C-values based on rainfall distribution. The CN used for wetlands were the design CNs in Table 2 of SJRWMD Technical Publication 85-5 A Guide to SCS Procedures (1985).

- d. What equation was used to convert curve numbers to runoff coefficients?

**Response:** The runoff coefficients (C values) were determined for each evaluated combination of DCIA percentage and non-DCIA curve number by conducting a continuous simulation of modeled runoff depths over a 30-45 year period. The ratio of the total runoff depth to total rainfall depth over the simulation period is the C value. This is described in detail in Section 2.1.3 of the Report.

- e. It isn't clear how adjustments in C-values were made and how adjustments to differing lands use groups affected results for individual basins.
- (1) Is it possible that adjusting C-values for wetlands had the greatest impact, because that land use category is broad and comprises a large area of the calibration watershed?
  - (2) How great of an effect did adjusting C-values for medium and high density development have in the Crane Creek and Hickory Canal watersheds? Some of the urban runoff curve numbers seem low compared to recommended curve numbers referenced in the 2007 report and TR-55.

**Response:** The current C value adjustment over-estimates runoff from Crane's Creek by 9.7 percent and under-estimates Hickory Canal by -3.6 percent. Therefore, increasing the C values for medium density residential and high density residential might improve Hickory Street slightly, but it would make Crane's Creek much worse.

16. **Section 4.5 - Baseflow Calibration:**

- a. Why does Crane Creek have the lowest lag factor, when it is the most developed watershed evaluated? This seems counter intuitive to expected results.

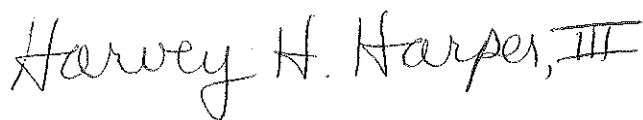
**Response:** It is uncertain why the Crane Creek watershed has the lowest lag factor. However, the difference between 0.31 and the mean of 0.37 is not a significant difference. Some possible explanations are that the groundwater to receiving water distances are shorter, groundwater gradients are steeper, storm water management systems, or an increased number of swales and ditches.

- b. Were model loadings calibrated to collected data for the Sebastian South Prong and Crane Creek/Hickory Canal?

**Response:** The model loadings were not calibrated, since the model baseflow concentrations and flow volumes were derived from the same monitoring data that would be used to calibrate the loads. The hydrologic component of the model was calibrated extensively, and the tributary concentrations are based on actual water quality data, so there is nothing to calibrate.

We hope that the responses in this letter and in the revised Technical Memorandum Report address the comments and concerns raised by FDEP. If you need any additional information, please feel free to contact me directly.

Sincerely,



Harvey H. Harper, III, Ph.D., P.E.  
President

Attachment: Revised Technical Memorandum

## **E.2 Questions/Comments Dated September 3, 2014**



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December 29, 2015 (Revised February 1, 2016)

Xueqing Gao, Ph.D.  
Environmental Administrator  
Watershed Evaluation and TMDL Section  
Florida Department of Environmental Protection  
2600 Blainstone Road  
Tallahassee, FL 32399-2400

**RE: Responses to Comments from FDEP dated September 3, 2014 on the Draft Technical Memorandum Report Titled "Assessment and Evaluation of Model Input Parameters"**

Dear Dr. Gao:

Thank you for your continued review and analysis of the above document. The comments in your correspondence address portions of the SWIL model developed by both ERD and Dr. Listopad. Responses are provided below for Comments #1-3 which address work conducted by ERD. Comments #1 and #3 address the same basic issue and the response for these comments is combined together. A separate response is provided for Comments #2 and #4.

### **Comments #1 and #3:**

1. The County and consultants spent considerable amount of time and effort making the runoff coefficient to vary with the antecedent soil moisture condition. We appreciate the effort and believe that this change will lead to more accurate simulation of runoff and baseflow. The Department does feel that the representation of runoff coefficient in the model can be improved. Currently, the monthly runoff coefficients are created based on hourly rainfall data from three stations, aggregated into long-term average monthly runoff coefficients. This results in only twelve runoff coefficient parameter sets for all 192 simulated months. This assumes that there is no inter-annual variation of monthly runoff coefficient. In other words, each January used the same average monthly runoff coefficient, when in reality, monthly rainfall varies significantly from year to year in Florida. It would be very useful if the County can conduct sensitivity analyses to examine whether the monthly rainfall variation will significantly impact the inter-annual monthly variation of the runoff coefficient before assuming that it is appropriate to use the long-term mean monthly runoff coefficient in the model simulation.
3. The SWIL model simulates flow and nutrient loads on a monthly basis. The monthly loads can be aggregated into long-term average annual loads for each individual year. The model calibration data that Dr. Harper provided to the Department showed total flow, baseflow, and runoff calibration on the monthly basis. The Technical Memorandum Report of the SWIL model indicated that there is "a significant under-estimation of peak events and a slight under-estimation for some of the troughs." As an example, Figure 1 shows the comparison of model simulated monthly total flow vs. the measured monthly total flow at a USGS gauge located at the North Prong of the Sebastian River (USGS 02251500).

The Department did some further analyses on these calibration data. Other than under-estimating the peak values, the error between the model simulated monthly total flow and measured monthly total flow ranged between -77% to about 80% (Figure 2). About 30% of the time, the error was larger than 50% while only about 30% of the time the error between simulated and measured monthly total flow is less than 25%. This suggests that if simulated monthly total flow is used for other data analyses, the uncertainty associated with the analysis results may be high.



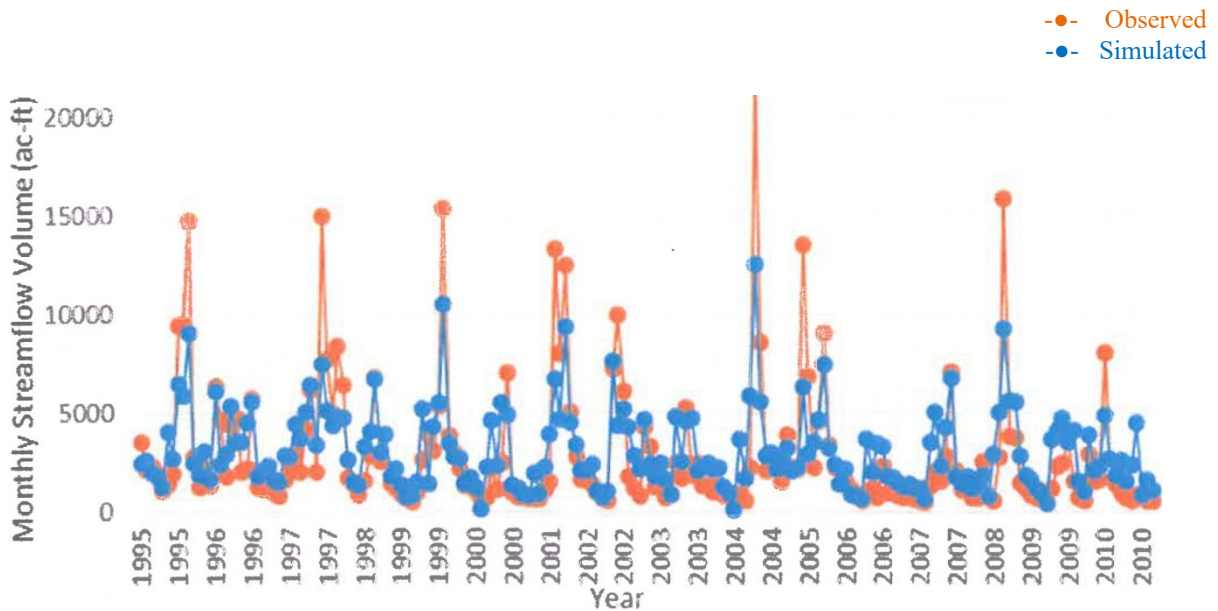


Figure 1. Comparison of SWIL Simulated Monthly Total Flow with the Monthly Flow Calculated based on Measured Total Flow Data in the North Prong of the Sebastian River (USGS 02251500)

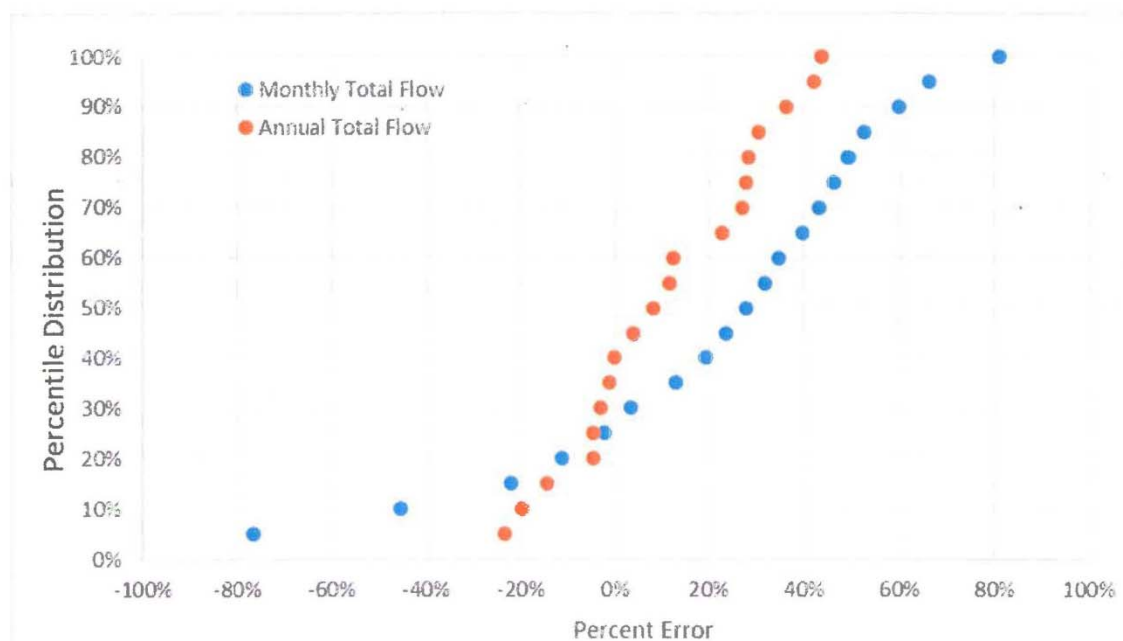


Figure 2. Percent Error between Model Simulated Total Flow and Measured Total Flow at USGS 02252500 on Monthly and Annual Time Scale.

On the contrary, when the model simulated monthly total flow was aggregated into the annual total flow and the simulated annual total flow is compared with the measured annual total flow, the percent error ranged from -23% to 44%, which is a significant improvement. There is no percent absolute error that is larger than 50% between the simulated and measured annual flow. In more than 80% of the time, the percent error between model simulated annual total flow and measured total flow is less than 20% (Figure 2). Similar analyses were conducted by the Department on simulated and measured total flow at the other four USGS/SJRWMD flow gauges. In all cases, the percent error between the model simulated and measured total annual flow were significantly lower than the percent error between the simulated and measured monthly flow. The Department recommends that, when using the simulated total flow for other statistical analyses, model simulates at the annual time scale should be the preferred time scale.

### ERD Responses to Comments #1 and #3:

This response addresses the issue raised by FDEP of under-estimation of significant peak runoff volumes by the SWIL model and whether the model error could be improved by using individual monthly values (192 values) vs. mean monthly runoff C values (12 values) in the SWIL simulation period from 1995-2010. The effect of using individual monthly C values as opposed to mean monthly C values was evaluated by comparing the measured monthly runoff volumes for the five calibration basins to the modeled runoff volumes calculated using monthly (192 values) vs. mean monthly (12 values) C value data sets. Each of the five monitored tributaries used for the SWIL model calibration, Crane Creek, North Prong, South Prong, Fellsmere Canal and Hickory Street Canal, were used for the C value comparison.

Individual monthly C values were calculated from January 1995 through December 2010 with hourly rainfall data from Daytona Beach, Melbourne and Vero Beach using the method described in Section 2.1.3 of the Technical Memorandum Report. Runoff C values were calculated for each land use and hydrologic combination using a continuous simulation for each individual month. Individual monthly C values were calculated for 192-months, 27 land uses and 8 hydrologic soil groups which yielded a final C value data set containing 41,472 values. The original mean monthly C values used in the SWIL model were calculated using a continuous simulation of hourly rainfall from January 1942 through December 2005 using the same three rainfall stations. The 12 mean monthly C values were calculated for the same land uses and hydrologic soil groups (HSG), creating a C value data set of 2,592 values, which produced mean monthly C values rather than individual monthly values.

An issue that arose when calculating the 192 individual monthly C values was missing hourly rainfall data for the Melbourne and Vero Beach rainfall stations during the 1995 to 2010 time period. Missing data was not a significant issue for the mean 12 monthly C values since each monthly C value represented an average of 47-63 years of monthly C values at the 3 meteorological sites. A summary of the availability of rain events calculated from hourly rainfall data is presented in Table 1. Fortunately, the hourly rainfall data for Daytona Beach station was complete over the historical record. However, the Melbourne rainfall station had 56 incomplete months, and the station at Vero Beach had 84 incomplete months. Based on daily rainfall measurements from Melbourne and Vero Beach, and assuming each daily rainfall measurement was a single storm event, about 13.5 and 25.7 percent of storm events were missing from the Melbourne and Vero Beach hourly rainfall data set, respectively.

**TABLE 1**

**SUMMARY OF HOURLY RAINFALL DATA AVAILABILITY FOR DAYTONA BEACH, MELBOURNE, AND VERO BEACH METEOROLOGICAL SITES**

| <b>Rainfall Station</b> | <b>Number Events</b> | <b>Number of Missing Events</b> | <b>Percent of Missing Events</b> | <b>Number of Incomplete Months</b> |
|-------------------------|----------------------|---------------------------------|----------------------------------|------------------------------------|
| Daytona Beach           | 1939                 | 0                               | 0                                | 0                                  |
| Melbourne               | 1848                 | 249                             | 13.5                             | 56                                 |
| Vero Beach              | 1876                 | 482                             | 25.7                             | 84                                 |

Missing storm events in the hourly data were filled with daily rainfall measurements to complete the rainfall data sets assuming that the recorded daily rainfall reflected a single rain event. To determine if there was any significant difference between C values generated from hourly data vs. C values generated from daily rainfall, a comparison was conducted using rainfall data from the Daytona Beach station. The C values for the daily rainfall data were calculated assuming each day of rainfall represented a single storm event. A comparison of the overall average C values over the period from 1995-2010, calculated from hourly and daily rainfall data and typical land use and soil group combinations, is presented in Table 2. Runoff C values calculated using the hourly rainfall data are slightly higher than the C values obtained using the daily rainfall for the developed land uses and slightly lower for the undeveloped land uses. This slight difference is likely related to the impacts of directly connected impervious areas (DCIA) in the developed land uses. Variability in calculated C values based on hourly and daily rainfall for a commercial land use with HSG A soils are illustrated in Figure 1. The hourly and daily C values, shown in Figure 1, vary from 0 to about 0.8 and match each other closely. Overall, it appears that C values based on daily rainfall are similar enough that missing hourly storm events can be approximated with daily rainfall measurements for purposes of this analysis.

TABLE 2

**COMPARISON OF AVERAGE C VALUES CALCULATED FROM HOURLY  
vs. DAILY RAINFALL DATA FOR THE DAYTONA BEACH RAINFALL STATION**

| Land Use                      | Hydrologic Soil Group | Average C Values<br>1995-2010 |       |
|-------------------------------|-----------------------|-------------------------------|-------|
|                               |                       | Hourly                        | Daily |
| Commercial                    | A                     | 0.529                         | 0.513 |
|                               | D                     | 0.608                         | 0.595 |
| Medium-Density<br>Residential | A                     | 0.195                         | 0.186 |
|                               | D                     | 0.336                         | 0.330 |
| Open                          | A                     | 0.013                         | 0.014 |
|                               | D                     | 0.169                         | 0.171 |

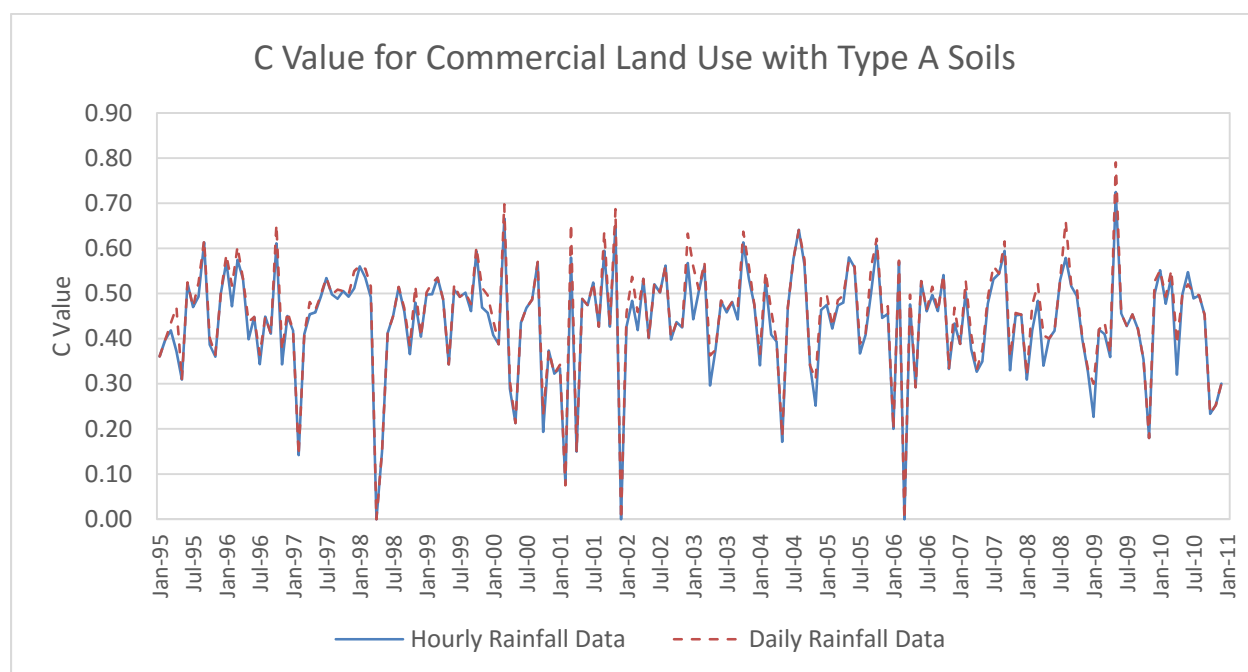


**Figure 1. Comparison of C values calculated from hourly and daily rainfall data from the Daytona Beach Rainfall Station from 1995 through 2010**

Using the supplemented 1995 to 2010 rain event data set, individual monthly C values were calculated for the 27 land uses and 8 soil groups present in the IRL watershed. A comparison of the individual monthly (192-month) C values vs. the mean monthly (12-month) C values for a commercial land use with group A soil is shown in Figure 2. As expected, the 192-month C values show much more temporal variability than the 12-month C values. The individual monthly C values also tend to be lower than the mean monthly C values during many events. For a commercial land use with HSG A soils, the 12-month C values had an overall mean C value of 0.504, while the overall mean 192-month C value was 0.464, a difference of about 8 percent. The small difference between the two C values may be at least partially due to the different time periods used to calculate them since the 12-month C values reflect monthly means from 1942 to 2005, while the 192-month C values were calculated using data from 1995 through 2010.

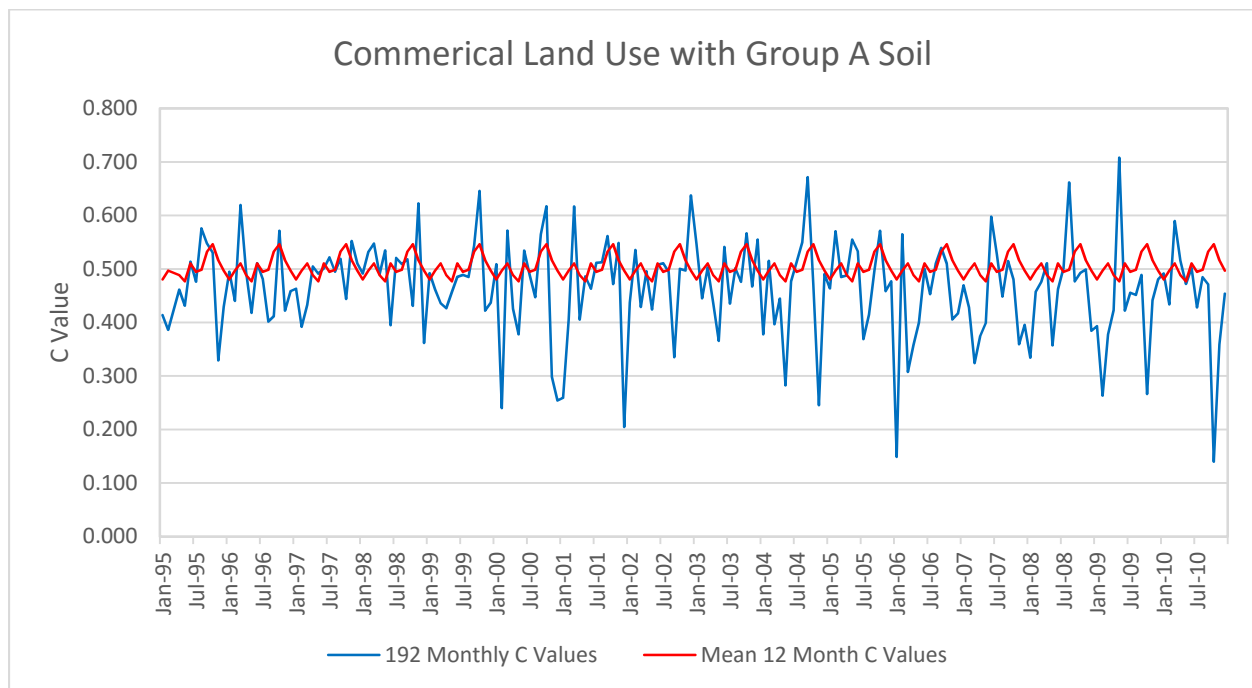


**Figure 2. Comparison of 192-Month C Values vs. 12-Month C Values for a Commercial Land Use and Group A Soil.**

Monthly runoff volumes for the five tributary watersheds were generated with the SWIL model using the 12- and 192-month C value data sets for each of the five calibration basins. A comparison of the monthly observed and modeled runoff volumes for Crane Creek is given in Figure 3. Both models under-estimate the runoff peaks for September 2008, October 2005, August 2006 and August 2008, all of which correspond to tropical storms or hurricanes. The 192-month model significantly over-predicted the observed runoff volume for May 2009 by 197 percent vs. 28 percent for the 12-month model. Aside from the previously mentioned months, both models match the overall measured runoff volumes fairly well. For the largest two peaks, which were associated with hurricanes Frances and Jeanne (September 2004) and tropical storm Fay (August 2008), the 192-month model appears to do a better job of estimating the peak than the 12-month model. For the September 2004 events, the 12- and 192-month models under-estimate the runoff volume by 47 and 16 percent, respectively. For the August 2008 event, the 12- and 192-month models under-estimated the runoff volume by 63 and 35 percent, respectively. A comparison of the ability of the two models to predict peak runoff events is presented in Table 3. The mean percent errors for models, shown in Table 3, indicate that the 192-month model is slightly better than the 12-month model at predicting large runoff volumes in Crane Creek, although both models under-estimated all five events.

A comparison of the observed vs. the modeled runoff volumes for the North Prong tributary is shown in Figure 4. The percent errors for the ten largest observed runoff peaks shown in Figure 4 are summarized in Table 4. The 12-month model under-estimated the monthly runoff volume for extreme events, with the percent error for the 12-month model ranging from -8.5 to -58.5 percent and a mean of -38.5 percent. The 192-month model under-estimated six and over-estimated four of the highest monthly runoff volumes shown in Table 4. The percent error for the 192-month model ranged from -47.6 to 55.8 with a mean of 0.9 percent. The 192-month model significantly over-estimated the runoff for May 2009 by 1,125 percent, while the 12-month model over-estimated the May 2009 observed runoff by 120 percent. The measured runoff volume for May 2009 was 702 ac-ft, and the calculated errors of 1,125 percent and 120 percent correspond to differences of 7,937 and 846 ac-ft, respectively.

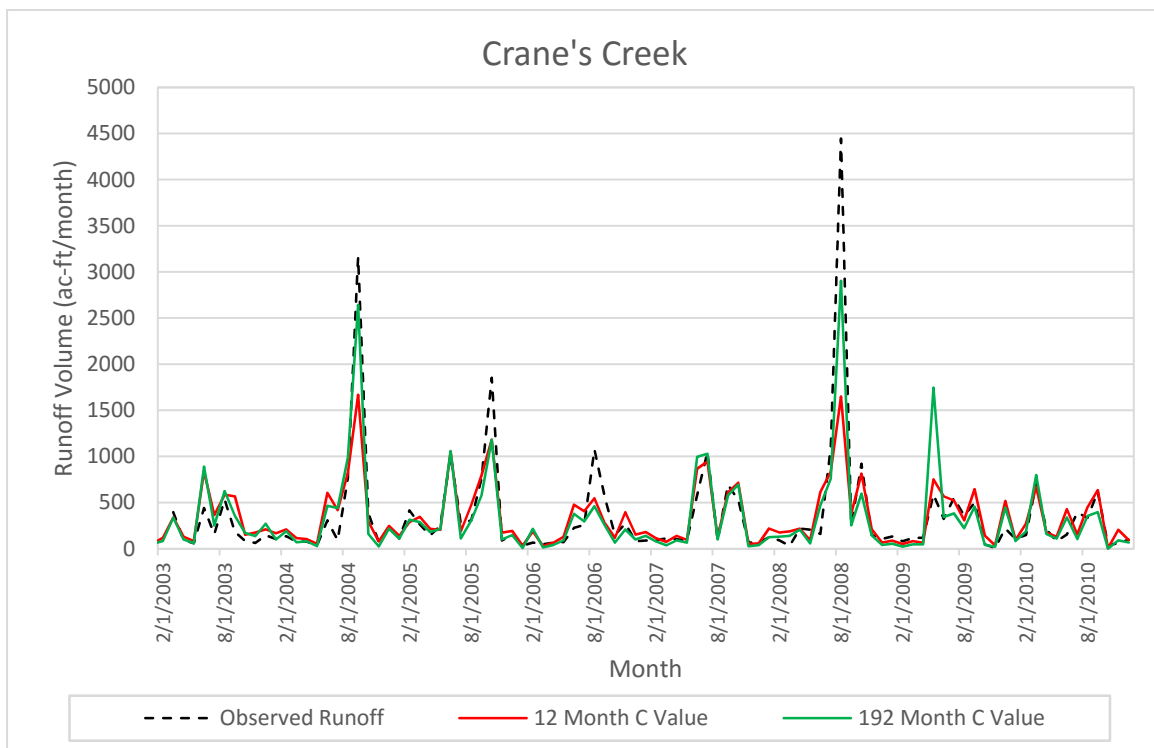


**Figure 3. Comparison of monthly runoff volumes for monitored and predicted runoff for the 12- and 192-month C value models for the Crane Creek tributary from March 2003 through December 2010.**

**TABLE 3**  
**COMPARISON OF PERCENT ERROR FOR THE 12- AND 192-MONTH MODELS**  
**FOR THE FIVE LARGEST OBSERVED MONTHLY RUNOFF VOLUME FOR CRANE CREEK**

| Observed<br>Runoff<br>Volume Rank | Month        | Observed<br>Runoff<br>Volume<br>(ac-ft) | 12-Month<br>Model<br>Percent Error<br>(%) | 192-Month<br>Model Percent<br>Error<br>(%) |
|-----------------------------------|--------------|-----------------------------------------|-------------------------------------------|--------------------------------------------|
| 1                                 | August-08    | 4,446                                   | -62.9                                     | -34.6                                      |
| 2                                 | September-04 | 3,161                                   | -47.2                                     | -16.4                                      |
| 3                                 | October-05   | 1,852                                   | -36.2                                     | -36.2                                      |
| 4                                 | July-08      | 1,096                                   | -23.9                                     | -30.8                                      |
| 5                                 | August-06    | 1,076                                   | -49.3                                     | -57.1                                      |
|                                   |              | <b>Mean</b>                             | <b>-43.9</b>                              | <b>-35.0</b>                               |

A comparison of measured and modeled runoff volumes for the South Prong tributary are shown in Figure 5. Both models appear to mimic the observed runoff volumes fairly closely. A comparison of the percent errors for both models for the ten largest monthly runoff volumes is presented in Table 5. The 12-month model under-predicted more of the runoff volumes for peak events than the 192-month model. The percent errors for the 12-month model ranged from -53 to 81 percent with a mean of -15 percent, while the percent errors for 192-month model ranged from -52 to 223 percent with a mean of 25.3 percent.

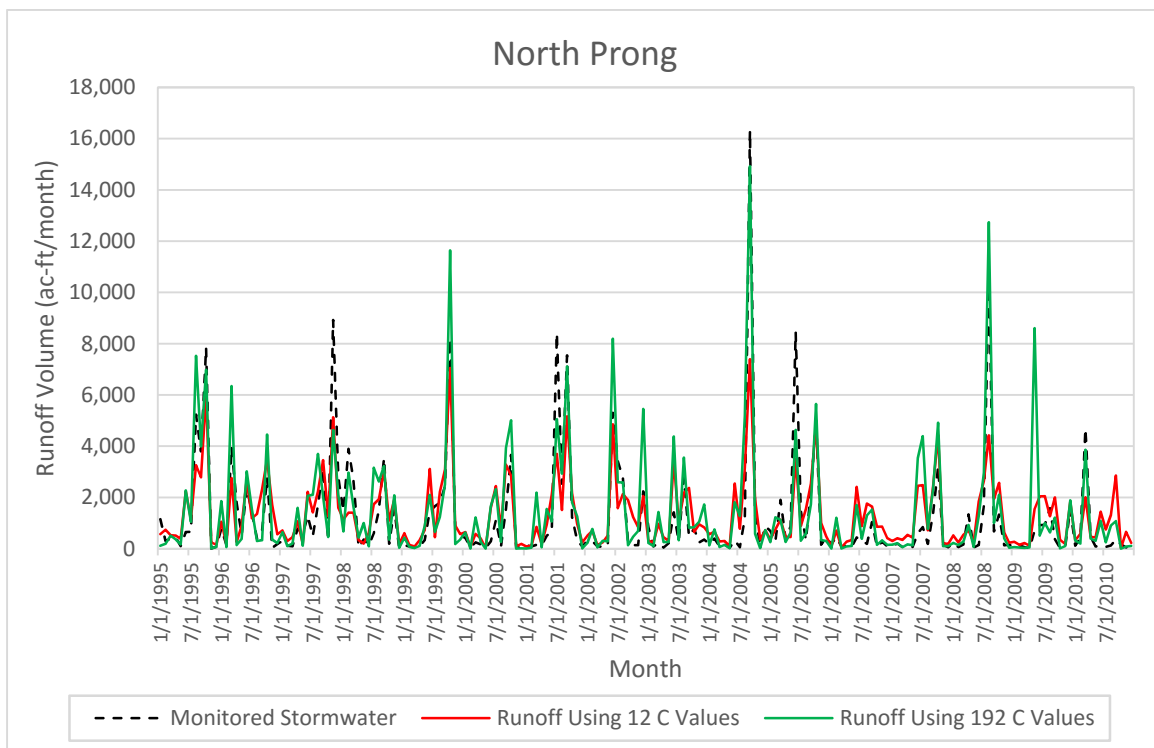


**Figure 4.** Comparison of monthly runoff volumes for monitored and predicted runoff from the 12 C value model and the 192 C value model for the North Prong tributary.

**TABLE 4**

**COMPARISON OF PERCENT ERROR FOR THE 12- AND 192-MONTH MODELS FOR THE TEN LARGEST OBSERVED MONTHLY RUNOFF VOLUMES FOR NORTH PRONG**

| Observed Runoff Volume Rank | Month        | Observed Runoff Volume (ac-ft) | 12-month Model Percent Error (%) | 192-month Model Percent Error (%) |
|-----------------------------|--------------|--------------------------------|----------------------------------|-----------------------------------|
| 1                           | September-04 | 16,307                         | -54.7                            | -8.1                              |
| 2                           | August-08    | 10,576                         | -58.2                            | 21.1                              |
| 3                           | November-97  | 8,921                          | -42.6                            | -47.6                             |
| 4                           | June-05      | 8,449                          | -58.5                            | -44.7                             |
| 5                           | July-01      | 8,404                          | -56.0                            | -39.1                             |
| 6                           | October-99   | 8,197                          | -14.0                            | 42.5                              |
| 7                           | October-95   | 7,841                          | -23.4                            | -10.4                             |
| 8                           | September-01 | 7,545                          | -31.6                            | -5.1                              |
| 9                           | June-02      | 5,298                          | -8.5                             | 55.8                              |
| 10                          | August-95    | 5,229                          | -37.7                            | 44.8                              |
| <b>Mean</b>                 |              |                                | <b>-38.5</b>                     | <b>0.9</b>                        |

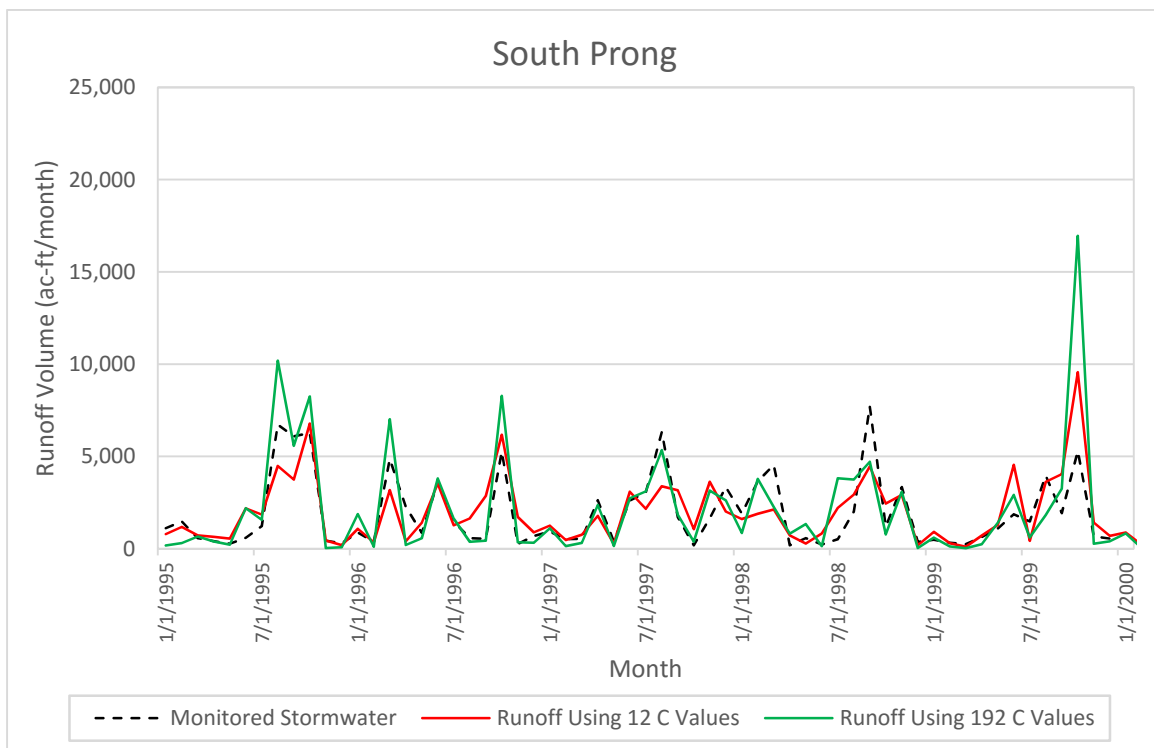


**Figure 5. Comparison of monthly runoff volumes for monitored and predicted runoff from the 12 C value model and the 192 C value model for the South Prong tributary.**

**TABLE 5**

**COMPARISON OF PERCENT ERROR FOR THE 12- AND 192-MONTH MODELS FOR THE TEN LARGEST OBSERVED MONTHLY RUNOFF VOLUMES FOR SOUTH PRONG**

| Observed Runoff Volume Rank | Month        | Observed Runoff Volume (ac-ft) | 12-month Model Percent Error (%) | 192-month Model Percent Error (%) |
|-----------------------------|--------------|--------------------------------|----------------------------------|-----------------------------------|
| 1                           | September-98 | 7,706                          | -42.1                            | -38.0                             |
| 2                           | August-95    | 6,721                          | -33.3                            | 53.1                              |
| 3                           | August-97    | 6,323                          | -46.5                            | -14.2                             |
| 4                           | October-95   | 6,268                          | 8.2                              | 32.8                              |
| 5                           | September-95 | 6,090                          | -38.5                            | -7.5                              |
| 6                           | October-99   | 5,287                          | 80.9                             | 222.7                             |
| 7                           | October-96   | 5,258                          | 17.4                             | 58.8                              |
| 8                           | March-96     | 4,856                          | -34.6                            | 46.1                              |
| 9                           | March-98     | 4,535                          | -53.2                            | -49.1                             |
| 10                          | August-99    | 3,956                          | -8.4                             | -51.7                             |
| Mean                        |              |                                | -15.0                            | 25.3                              |

A summary of measured and modeled monthly runoff volumes for the Fellsmere Canal tributary are given on Figure 6. Both models appear to match fairly well with the exception of peaks associated with extreme storm events. In the Fellsmere Canal, the 12-month model tends to under-estimate the peak runoff months while the 192-month model tends to over-estimate them. A comparison of the percent errors for the two models for the ten largest observed monthly runoff volumes for Fellsmere Canal is presented in Table 6. For nine of the ten peak runoff volumes the 12-month model under-predicts runoff volume, while the 192-month model provides over-estimates of runoff volume during seven of the ten months. The percent errors for 12-month model ranged from -50.3 to 4.0 percent, with a mean of -27.5 percent. The percent errors for 192-month model ranged from -51.0 to 78.7. percent, with a mean of 25.3 percent.

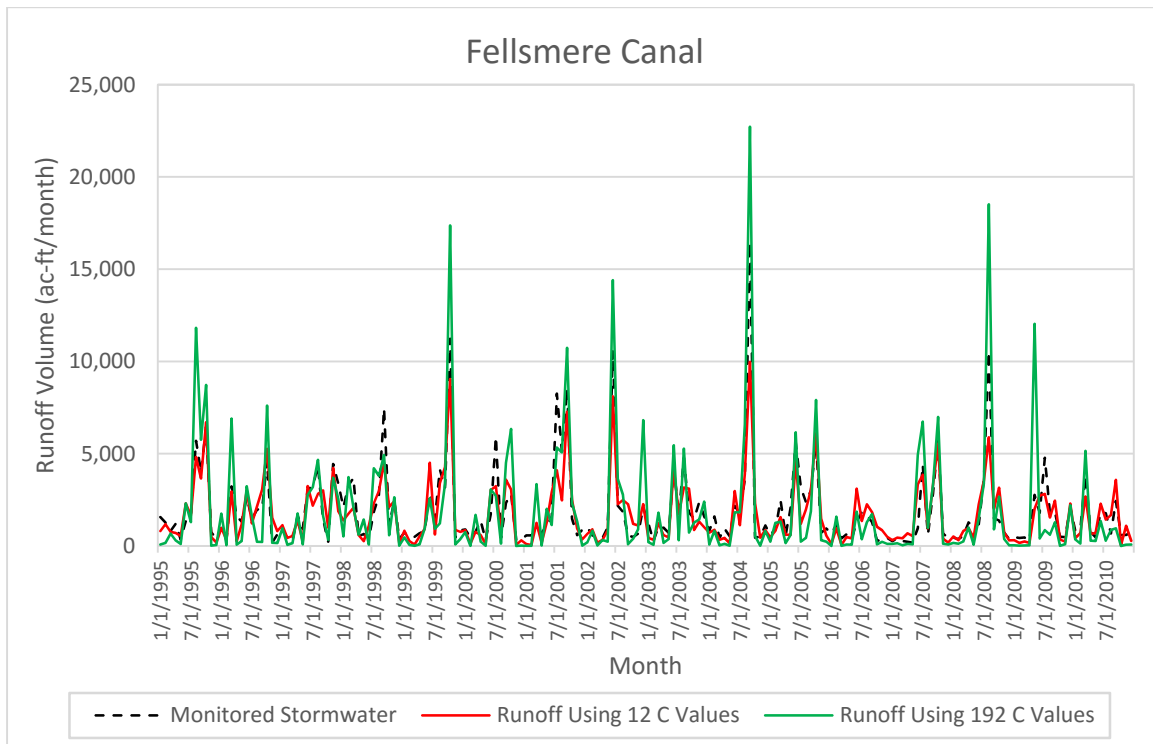


**Figure 6. Comparison of monthly runoff volumes for monitored and predicted runoff from the 12 C value model and the 192 C value model for Fellsmere Canal.**

The May 2009 peak observed for the 192-month model for Crane Creek, North Prong and Fellsmere Canal shown in Figures 3, 4 and 6, is the result of a high monthly C value in the 192-month C value data set. As shown in Figure 2, May 2009 had the highest C value for a commercial land use for all 192-months. Going back to the original rainfall data set, it appears that the measured rainfall for May 2009 at the Daytona Beach station may be skewing the rainfall estimation for this month. The Daytona Beach rainfall station reported 22.33 inches for May 2009 with 19.87 inches falling between May 18 and May 22, 2009. The Melbourne and Vero Beach rainfall stations, both of which are located closer to the calibration basins, reported 11.40 and 10.43 inches for May 2009, respectively.

A comparison of observed and modeled runoff volumes for Hickory Street Canal is given in Figure 7. Both models appear to mimic the observed data fairly well for the time period from January 1995 through August 2003. In general, the two models behave similarly, with both under-estimating peak runoff volumes and both models over-estimating the runoff volume from July through September 1998. In general the 12-month model tended to under-estimate peak runoff volumes while the 192-month model tended to over-estimate them. A summary of the percent errors for the 10 largest observed runoff peaks for the Hickory Street Canal are presented in Table 7. The percent errors for 12-month model ranged from -63.6 to 0.2 percent with a mean of -31.2 percent. The percent errors for 192-month model ranged from -74.8 to 34.1 percent with a mean of -18.3 percent.



TABLE 6

**COMPARISON OF PERCENT ERROR FOR THE 12- AND 192-MONTH MODELS FOR THE TEN LARGEST OBSERVED MONTHLY RUNOFF VOLUMES FOR FELLSMERE CANAL**

| Observed<br>Runoff<br>Volume Rank | Month        | Observed<br>Runoff Volume<br>(ac-ft) | 12-month<br>Model<br>Percent Error<br>(%) | 192-month<br>Model<br>Percent Error<br>(%) |
|-----------------------------------|--------------|--------------------------------------|-------------------------------------------|--------------------------------------------|
| 1                                 | September-04 | 16,467                               | -39.5                                     | 40.1                                       |
| 2                                 | October-99   | 11,231                               | -19.5                                     | 56.6                                       |
| 3                                 | June-02      | 10,542                               | -23.1                                     | 39.9                                       |
| 4                                 | August-08    | 10,536                               | -44.2                                     | 78.7                                       |
| 5                                 | September-01 | 8,517                                | -14.6                                     | 28.9                                       |
| 6                                 | July-01      | 8,257                                | -50.3                                     | -32.6                                      |
| 7                                 | September-98 | 7,452                                | -39.6                                     | -31.8                                      |
| 8                                 | October-95   | 6,449                                | 4.0                                       | 37.8                                       |
| 9                                 | July-00      | 5,919                                | -45.2                                     | -51.0                                      |
| 10                                | October-07   | 5,704                                | -2.7                                      | 24.8                                       |
| <b>Mean</b>                       |              |                                      | <b>-27.5</b>                              | <b>19.1</b>                                |

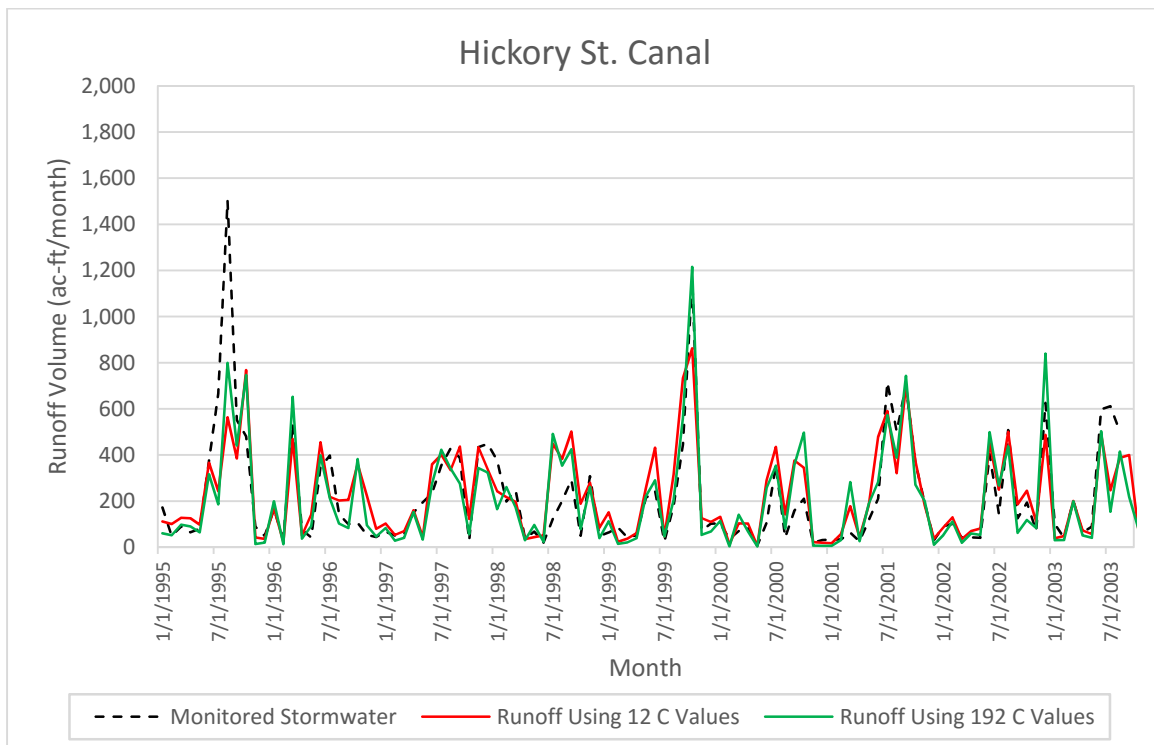


**Figure 7. Comparison of monthly runoff volumes for monitored and predicted runoff from the 12 C value model and the 192 C value model for Hickory Street Canal.**

TABLE 7

**COMPARISON OF PERCENT ERROR FOR THE 12- AND 192-MONTH MODELS FOR THE TEN LARGEST OBSERVED MONTHLY RUNOFF VOLUMES FOR HICKORY STREET CANAL**

| Observed Runoff Volume Rank | Month        | Observed Runoff Volume (ac-ft) | 12-month Model Percent Error (%) | 192-month Model Percent Error (%) |
|-----------------------------|--------------|--------------------------------|----------------------------------|-----------------------------------|
| 1                           | August-95    | 1,503                          | -62.5                            | -46.8                             |
| 2                           | October-99   | 1,161                          | -25.8                            | 4.6                               |
| 3                           | July-01      | 715                            | -17.4                            | -19.9                             |
| 4                           | September-01 | 700                            | 0.2                              | 6.1                               |
| 5                           | July-95      | 666                            | -63.6                            | -72.1                             |
| 6                           | December-02  | 626                            | -22.2                            | 34.1                              |
| 7                           | July-03      | 611                            | -59.6                            | -74.8                             |
| 8                           | June-03      | 598                            | -18.0                            | -15.9                             |
| 9                           | September-95 | 551                            | -30.1                            | -20.0                             |
| 10                          | March-96     | 537                            | -12.7                            | 21.4                              |
| <b>Mean</b>                 |              |                                | <b>-31.2</b>                     | <b>-18.3</b>                      |

A statistical comparison of percent bias and R-square values for the two models and the five calibration basins is presented in Table 8. The percent bias (PBIAS) is the sum of the residual values divided by the sum of the observed values and is a measure of the model bias, with positive PBIAS values indicating an over-estimate and negative values indicating an under-estimate. The PBIAS for the two models ranged from -5.67 to 28.89. For both models the North Prong tributary had the highest absolute PBIAS, with a PBIAS for the 12-month model of 12.97 and 28.89 for the 192-month model. The average PBIAS for the five tributaries was 2.43 for the 12-month model and 8.70 for the 192-month model. Excluding the PBIAS value for North Prong, the PBIAS averages were -0.20 and 2.03 for the 12- and 192-month models, respectively.

TABLE 8

**SUMMARY OF MODELING STATISTICS FOR THE 12- AND 192-MONTH MODELS**

| Station           | Number of Observations | 12-month Model |             | 192-month Model |             |
|-------------------|------------------------|----------------|-------------|-----------------|-------------|
|                   |                        | PBIAS          | R-Square    | PBIAS           | R-Square    |
| Crane Creek       | 94                     | -1.98          | 0.72        | -5.67           | 0.82        |
| North Prong       | 192                    | 12.97          | 0.67        | 28.89           | 0.74        |
| South Prong       | 60                     | 4.81           | 0.56        | 16.00           | 0.61        |
| Fellsmere Canal   | 192                    | -8.33          | 0.79        | 7.68            | 0.80        |
| Hickory St. Canal | 104                    | 4.71           | 0.61        | -3.42           | 0.70        |
| <b>Mean</b>       |                        | <b>2.43</b>    | <b>0.67</b> | <b>8.70</b>     | <b>0.73</b> |

The R-square values presented in Table 8 are used as a measure of how well the models fit the measured data. Calculated R-square values for the 12-month model ranged from 0.56 to 0.79, with a mean R-square of 0.67. For the 192-month model R-square values ranged from 0.61 to 0.82 with a mean of 0.73. The lowest R-square values for both models were obtained for the South Prong tributary, with an

R-square of 0.56 for the 12-month model and an R-square of 0.61 for the 192-month model. The highest R-square for the 12-month model was for the Fellsmere Canal simulation with an R-square of 0.79. The 192-month model had two R-square values above 0.8, Crane Creek (0.82) and Fellsmere Canal (0.80).

Overall, the 192-month C value model appears to be less biased than the 12-month model in terms of the mean percent error. The overall average of the mean percent errors for extreme storm events (summarized in Tables 3-7) were -26.9 and 1.4 for the 12 and 192 models, respectively. However excluding the apparent outlier for South Prong during October 1999, the range of errors for the five tributaries is less in the 12-month model than the 192-month model. The standard deviation for all the peaks presented in Tables 3-7 was 21 and 41 percent for the 12- and 192-month models, respectively. While the 12-month model consistently under-estimated extreme peaks, the 192-month model both under- and over-estimated the peaks. A comparison of the mean absolute value for all the percent errors indicates the accuracy of both models is about the same. The 12- and 192-month models had overall absolute mean percent errors of 33 and 35 percent for the 12- and 192-month models, as would be expected, since the 192-month C values more accurately reflect the variability in rainfall during the simulation period.

Examining the R-square values for both models (Table 8), the 192-month C value model is slightly better for each of the five tributaries. The mean R-squares for all 5 tributaries were 0.67 and 0.73 for the 12- and 192-month models, respectively. However, the PBIAS for 12 C value model is lower or about the same for all five tributaries compared to 192-month model, with a mean PBIAS for the 12-month model of 2.43 percent and 8.70 percent for the 192-month model.

The comments raised by FDEP and the previous responses address the apparent inability of the SWIL model to match peak runoff volumes during extreme storm events which occurred approximately 10 times over the 192-month simulation period, all of which were associated with either tropical storms or hurricanes. Although the model may not accurately predict total runoff volumes for these events, the SWIL model does provide excellent estimates of runoff volumes on an annual basis. A comparison of monitored and modeled annual runoff volumes for the 12- and 192-month C value models is given on Figure 8 as an average of runoff volumes generated in the five calibration basins. Both the 12 C value and 192 C value models closely predict the average annual runoff volume generated within the five tributary basins. These data suggest that the SWIL model provides good estimates of runoff volumes on an annual basis although peak runoff volumes may be less than actual monitored volumes during extreme storm events.

A factor that has not been adequately recognized is that each of the calibration basins contains numerous water control structures, ranging from simple riser pipes with flash board risers to large operational weir gates, and storage reservoirs which are used to store and release water depending on current and predicted rainfall conditions (ERD did rating curves for many of these for SJRWMD). During extreme rain events, many of these structures are discharging flows which are outside of the range of the established rating curves, resulting in unreliable discharge rate measurements. In addition, a portion of the higher measured flows associated with larger rain events may simply reflect the drawdown of the canals in anticipation of tropical storms or hurricanes, while the over-estimation of the model for smaller flows may reflect storage of water in the systems during dryer periods. During years with large flow volumes associated with larger than normal storm events, the monitored flows are greater than the modeled flows. During years of lower flows, and presumably lower rainfall, the model over-estimates the annual flows which could be related to storage within the system. As a result, discharges from these tributaries may not necessarily be related to rainfall conditions.

Although using 192 individual monthly C values somewhat improves the temporal variability for estimating runoff it does little for spatial variation. When a localized storm effects one of the three rainfall stations used to calculate the C values large errors can occur like the large over-estimation of runoff by the 192-month model for May 2009. However, a distinct disadvantage of the 192 C value model is that the results reflect only the simulation period from 1995-2010, while the 12-month C value model can be extrapolated to future conditions since future runoff calculations are based on long-term historical data. Therefore the advantage of being able to use the 12-month model as a predictive model for evaluation of future conditions outweighs the modest increase in modeling accuracy obtained by the 192-month model.

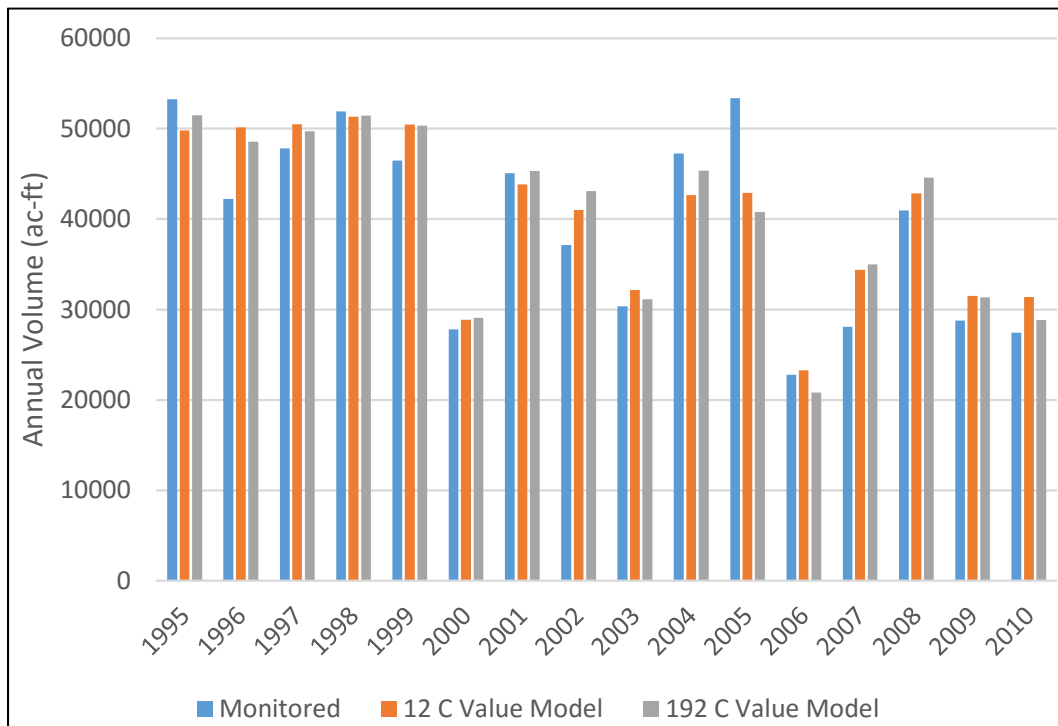


Figure 8. Comparison of monitored and modeled annual runoff volumes for the 12 and 192 C value models – average of five calibration basins.

**Comment #2:**

2. It is a great effort that the County and consultants included explicitly the baseflow simulation in the model, which made the conceptual structure of the model more complete than only simulating the runoff. At the same time, the Department wants to caution that the conceptual model used in the SWIL baseflow simulation relies on an assumption that, in the long-run, the rainfall, evaporation, and surficial aquifer water storage are at a steady state condition and therefore, any change of the surficial aquifer storage could be considered as baseflow. This mass-balance approach assumes that the exchange between the surficial aquifer and Floridan Aquifer is insignificant in the Indian River Lagoon area. This could be a reasonable assumption for the south and central Indian River Lagoon watersheds because of the thick confining layer. But in the northern watershed area, the confining layer is relatively thin. Some analyses should be conducted to examine whether major exchange of water between the surficial and Floridan aquifers occurs in the northern portion of the Indian River Lagoon Basin. In addition, model simulated baseflow is only calibrated to the baseflow data created using the baseflow separation program, which, regardless what method is used to separate the flow, involves a certain level of subjectivity in the flow separation process. In the long run, it is desirable that the model simulated baseflow be examined against the measured data. The Department is now launching a comprehensive ground water seepage analyses in multiple Indian River lagoon tributaries. Data collected from this study could be useful in confirming the SWIL model ground water simulation results. It is the Department's intent to engage local stakeholders to the greatest extent possible as the project is designed and implemented.

## **ERD Response to Comment #2:**

Estimates of annual groundwater recharge for the Northern IRL, based on the 2005 SJRWMD recharge map, are illustrated on Figure 9. As can be seen in Figure 9, only a thin sliver of the watershed (primarily along the western boundary) has a net recharge, while most of the watershed is considered to have no recharge or is considered to be a discharge area. However, the volume of this recharge is insignificant in comparison with the magnitude of inputs and losses in this portion of the IRL. Assuming that the discharge areas have zero recharge, recharge rates more than 20 inches/year recharge area are assumed to be 24 inches/year, and all other recharge ranges are represented by their mid-points, the overall weighted recharge for the Northern IRL basin is 1.0 inch/year which is not significantly different from the assumption of no recharge. Therefore, this recharge loss is well within the error margin for other SWIL input parameters, and ignoring this loss in the SWIL model will not lead to any significant errors in the model. However, this assumption should be revisited with the FDEP-funded study on groundwater seepage in the IRL has been completed.

## **Comment #4**

4. The Department has yet to receive water quality calibration results. Since the main goal of the SWIL model is to simulate the nutrient loads from the watershed, it is important that model simulated nutrient loads be confirmed with the nutrient loads calculated from measurements of water quality concentration and flow.

## **ERD Response to Comment #4:**

To test the nutrient loading assumptions incorporated into the SWIL model, historical concentrations of total nitrogen and phosphorus measured in the calibration basin tributaries were compared to concentrations predicted by the SWIL model output. The analysis of measured and modeled concentrations rather than loadings eliminates the confounding influence of variability in measured and modeled hydrologic loadings which were calibrated as part of a separate process. Because the SWIL model utilizes both a baseflow and runoff component, a comparison of each component was conducted in addition to a comparison of the combined SWIL concentrations. The baseflow comparison was fairly straight forward since the SWIL model uses fixed total nitrogen and phosphorus concentrations for baseflow which are averages derived from the same data being compared. Comparison of the runoff component is less straight forward. The SWIL model calculates nutrient loadings based on land use specific EMC values because each of the calibration watersheds is made up of multiple land uses, making it impossible to validate any of the individual EMC values. Also, unlike baseflow, there are very few runoff monitoring events included in the historical water quality data and no single month of SWIL output which is predominantly runoff. Therefore, the only feasible comparison for runoff involves mixtures of baseflow and runoff by comparing the paired average concentrations of the monitored data with the modeled data.

These comparisons require two assumptions, each of which has the potential to significantly impact the results of the analysis. The first assumption is that the average of multiple monthly grab samples approximates the flow weighted average concentrations discharging from each calibration basin. The second assumption is that the nutrient concentrations measured at the water quality monitoring sites are not significantly different than the water quality at the discharge monitoring sites since not all of the discharge and water quality monitoring sites for a tributary have the same location.

Of the five flow monitoring stations used for the SWIL model water volume calibration (Sec. 4.1), only three (Crane Creek, Fellsmere Canal and South Prong) had significant total nitrogen or phosphorus data in the FDEP STORET database at a location relatively close to the flow monitoring stations. There are no available nutrient data for Hickory Creek and only one sampling event for the North Prong station, so model verification cannot be conducted at these locations. The water quality and flow monitoring site locations are presented in Figure 10. For Crane Creek the closest water quality station (3508) is located approximately 4,800 feet downstream of the flow monitoring station (02249500), and there are significant hydrologic inputs along Crane Creek between the discharge and water quality stations. In addition, the water quality station is located near the confluence with a major drainage canal from the south, and it is unclear how much mixing occurs between the two tributaries at the confluence. A watershed boundary based on LIDAR elevations, shown in Figure 11, illustrates the extent of the additional drainage area contributing to Crane Creek between the flow and water quality stations. The additional drainage area is approximately 555 acres or about 10 percent of the flow calibration drainage area.

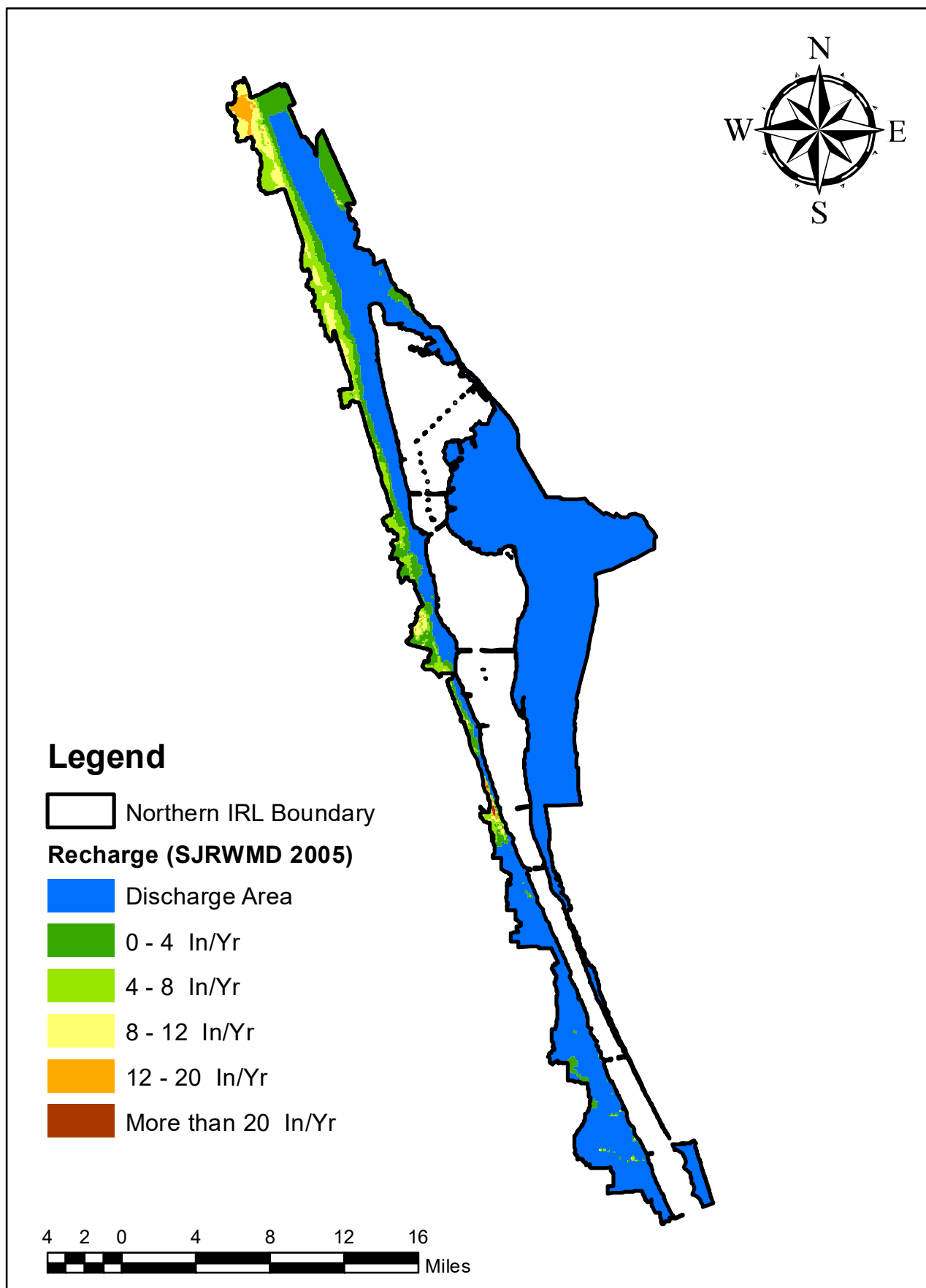


Figure 9. Estimated Annual Groundwater Recharge Rates for the Northern IRL.  
(Source: SJRWMD Recharge Map)

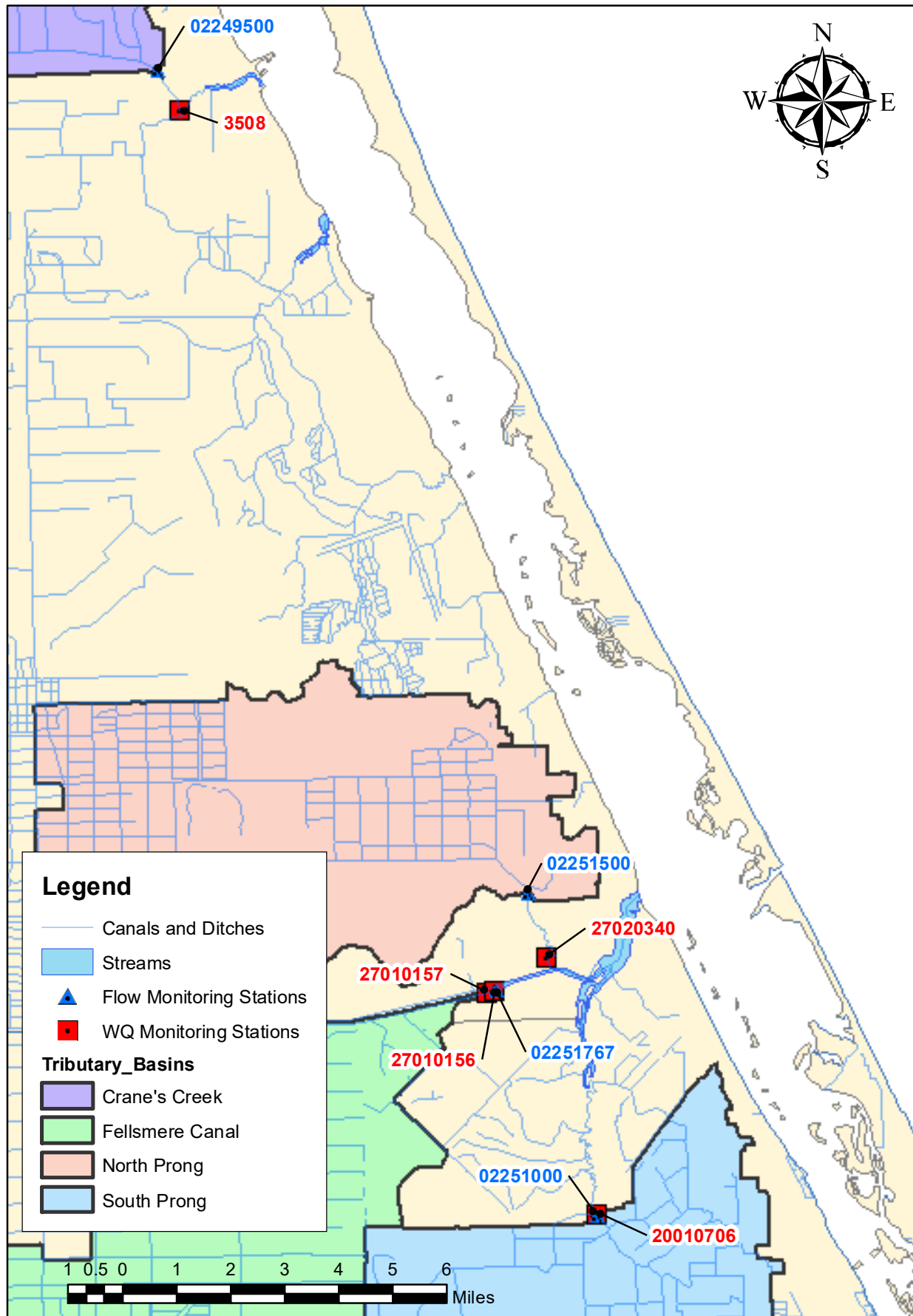


Figure 10. Location Map of Water Quality and Flow Monitoring Sites.



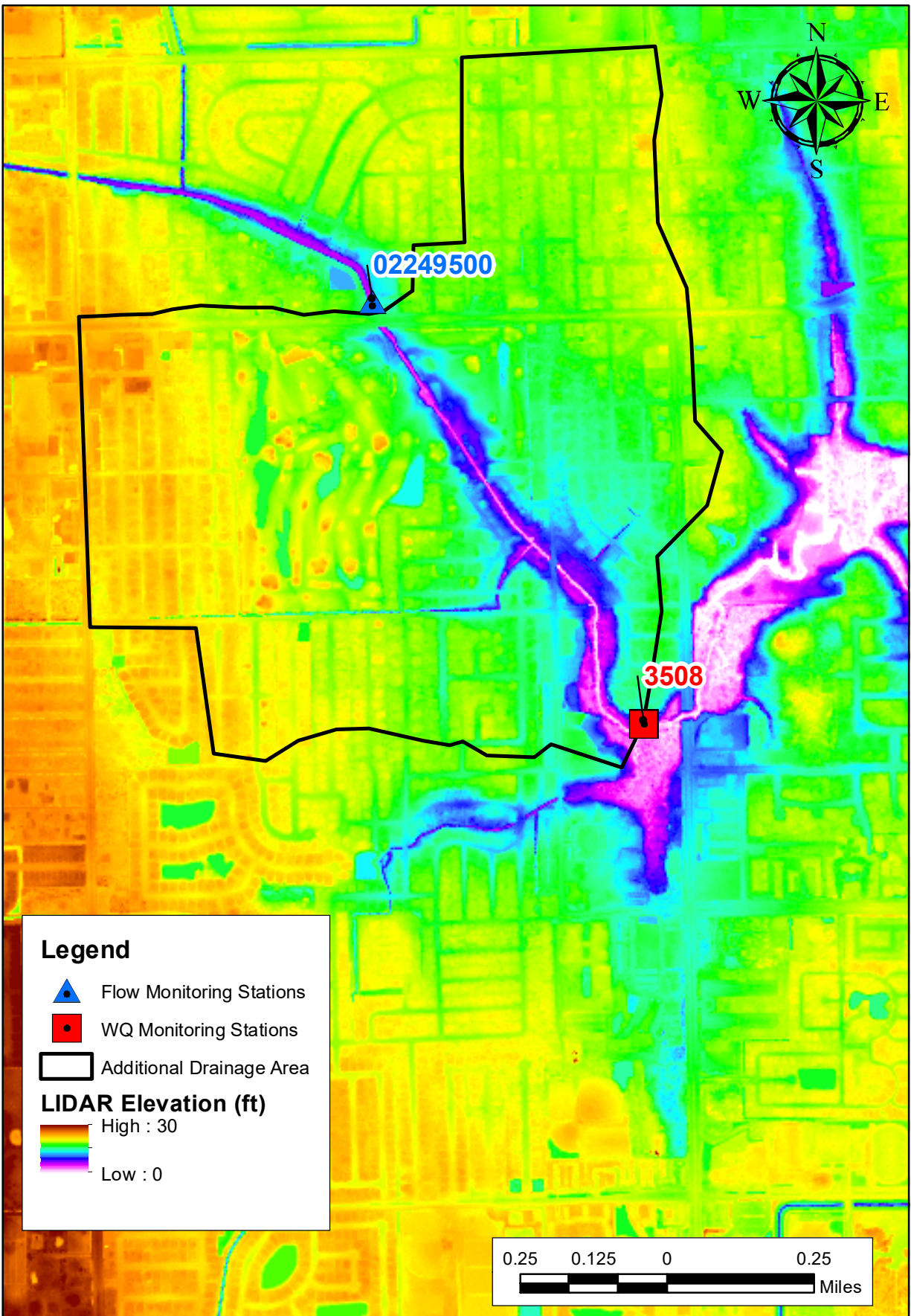


Figure 11. LIDAR Map Showing the Additional Drainage Area to Crane Creek Between the Flow and Water Quality Monitoring Stations.



Two water quality stations, 27010156 and 27010157, are available for Fellsmere Canal. Stations 27010156 and 27010157 are located approximately 160 feet and 980 feet, respectively, upstream of the flow monitoring station (02251767) on Fellsmere Canal. A small tributary, shown in Figure 12, drains approximated 390 acres into Fellsmere Canal between stations 27010156 and 27010157. The area delineated in Figure 12 accounts for approximately one percent of the Fellsmere Canal drainage area. The water quality and flow monitoring stations for South Prong are located adjacent to one another at the crossing of SR 512.

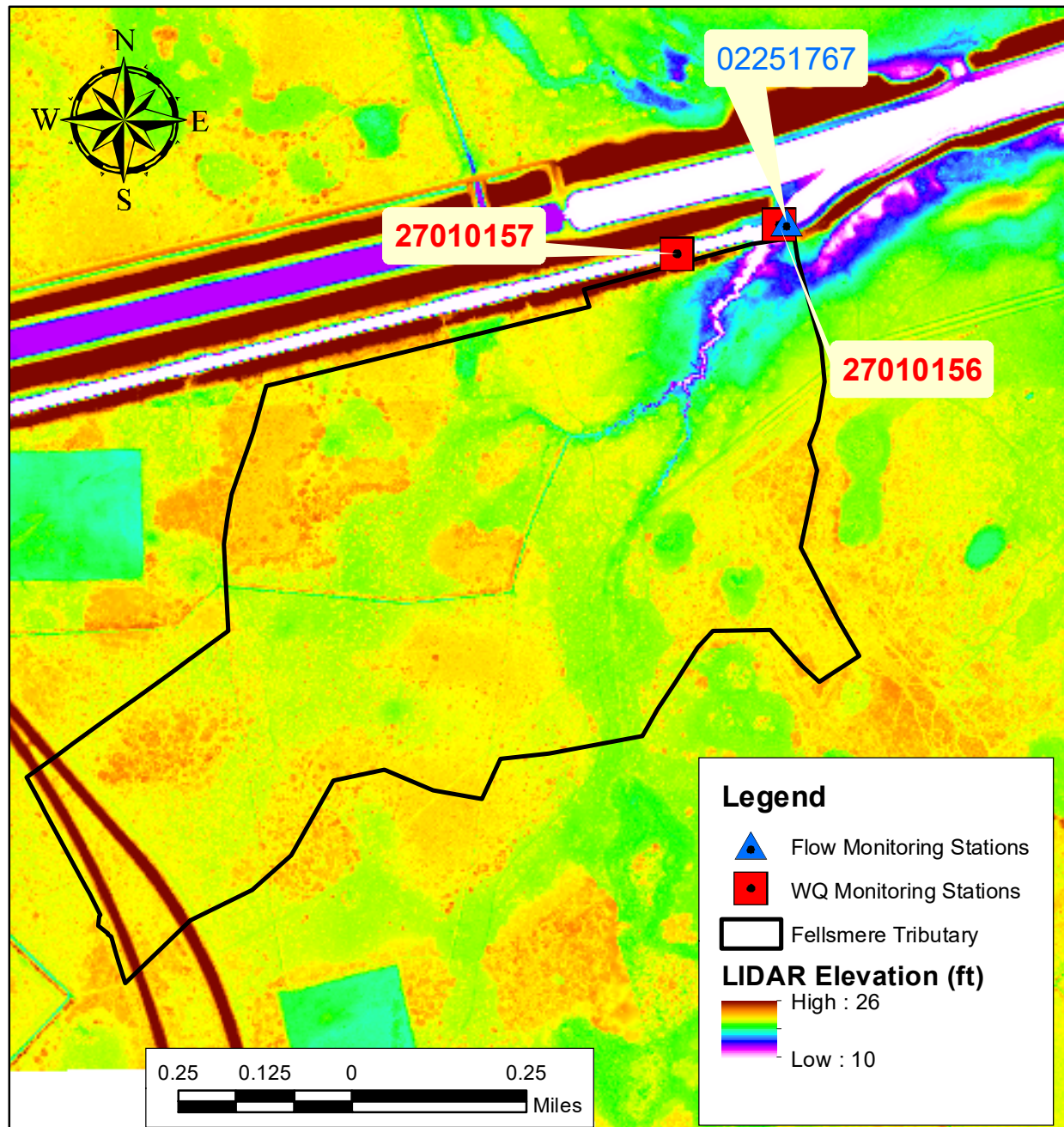


Figure 12. Map of Contributing Tributary Drainage Area to Fellsmere Canal Between Water Quality Stations 27010156 and 27010157.

A summary of available historical nutrient data for Crane Creek, Fellsmere Canal, and South Prong obtained from the FDEP STORET database is presented in Table 9. The Crane Creek station was sampled on approximately a monthly interval from March 2003-December 2010 and has the largest number of monitoring events with 93. Sampling was conducted in the Fellsmere Canal by multiple FDEP districts only during 2005 and 2010. South Prong was sampled six times from March 2003-October 2003 by the FDEP Southeast District and 16 times from January 2007-December 2007 by the FDEP Central District. Both the Fellsmere Canal and the South Prong have limited data availability which covers portions of only 2 years.

**TABLE 9**  
**SUMMARY OF WATER QUALITY MONITORING DATASET**

| Tributary       | Station ID | Organization            | Monitoring Date |          | Number of Observations |         |
|-----------------|------------|-------------------------|-----------------|----------|------------------------|---------|
|                 |            |                         | Beginning       | Ending   | Total N                | Total P |
| Crane Creek     | 3508       | FDEP                    | 10/14/98        | 12/6/10  | 93                     | 93      |
| Fellsmere Canal | 27010156   | FDEP Southeast District | 1/10/05         | 10/11/05 | 8                      | 9       |
|                 |            | FDEP Central District   | 2/22/05         | 8/17/10  | 5                      | 5       |
|                 | 27010157   | FDEP Central District   | 4/27/05         | 8/17/10  | 9                      | 9       |
| South Prong     | 20010706   | FDEP Southeast District | 3/12/03         | 10/9/03  | 6                      | 6       |
|                 |            | FDEP Central District   | 1/8/07          | 12/20/07 | 15                     | 16      |

Statistical summaries of the monitored nitrogen and phosphorus concentrations are presented in Tables 10 and 11, respectively. Individual measured total nitrogen concentrations ranged from 0.125 mg/l at the South Prong station 20010706 to 2.035 mg/l at Fellsmere Canal station 27010157, with mean concentrations ranging from 0.228 mg/l at South Prong to 1.102 mg/l at Fellsmere Canal station 27010157. Individual total phosphorus concentrations ranged from 0.039 mg/l at Fellsmere Canal station 27010156 to 0.285 mg/l at Fellsmere Canal station 27010157. Mean total phosphorus concentrations for the South Prong ranged from 0.049 mg/l to 0.141 mg/l based on monitoring conducted by the FDEP Central and Southeast Districts, respectively.

**TABLE 10**  
**STATISTICAL SUMMARY OF MONITORED TOTAL NITROGEN CONCENTRATIONS**

| Tributary       | Station ID | Organization            | n  | Total Nitrogen (mg/l) |         |       |
|-----------------|------------|-------------------------|----|-----------------------|---------|-------|
|                 |            |                         |    | Minimum               | Maximum | Mean  |
| Crane Creek     | 3508       | FDEP                    | 93 | 0.450                 | 1.530   | 0.954 |
| Fellsmere Canal | 27010156   | FDEP Southeast District | 8  | 0.458                 | 1.875   | 1.062 |
|                 |            | FDEP Central District   | 5  | 0.786                 | 1.065   | 0.909 |
|                 | 27010157   | FDEP Central District   | 9  | 0.723                 | 2.035   | 1.102 |
| South Prong     | 20010706   | FDEP Southeast District | 6  | 0.412                 | 1.573   | 1.004 |
|                 |            | FDEP Central District   | 15 | 0.125                 | 0.338   | 0.228 |

From the summaries presented in Tables 10 and 11, it appears that measurements of total nitrogen and total phosphorus collected at the South Prong site during 2007 by the FDEP Central District are dissimilar to concentrations measured at the other tributary sites and to measurements collected at the same site by the FDEP Southeast District. Fortunately, the same location was sampled nine times by SJRWMD at a station identified as IRLSIR003 from August 2013-April 2014. The mean total nitrogen and phosphorus concentrations for the SJRWMD monitoring were 0.765 mg/l and 0.089 mg/l which are lower than the Southeast District data (TN = 1.004, TP = 0.141) but significantly higher than the Central District data (TN = 0.228, TP = 0.049) for South Prong. Based on this comparison, the FDEP Central District nitrogen and phosphorus data were not used for the model comparisons.

**TABLE 11**  
**STATISTICAL SUMMARY OF MONITORED TOTAL PHOSPHORUS CONCENTRATIONS**

| Tributary       | Station ID | Organization            | n  | Total Phosphorus (mg/L) |         |       |
|-----------------|------------|-------------------------|----|-------------------------|---------|-------|
|                 |            |                         |    | Minimum                 | Maximum | Mean  |
| Crane Creek     | 3508       | FDEP                    | 93 | 0.060                   | 0.210   | 0.099 |
| Fellsmere Canal | 27010156   | FDEP Southeast District | 9  | 0.039                   | 0.295   | 0.122 |
|                 |            | FDEP Central District   | 5  | 0.066                   | 0.120   | 0.106 |
|                 | 27010157   | FDEP Central District   | 9  | 0.060                   | 0.285   | 0.136 |
| South Prong     | 20010706   | FDEP Southeast District | 6  | 0.107                   | 0.170   | 0.141 |
|                 |            | FDEP Central District   | 16 | 0.043                   | 0.068   | 0.049 |

The Fellsmere Canal has historical water quality data at two sites and three monitoring agencies, with mean nitrogen and phosphorus concentrations ranging from 0.909-1.102 mg/l and 0.106-0.136 mg/l, respectively. Due to the similarities in mean concentrations measured at the two sites, all available total nitrogen and phosphorus data for the Fellsmere Canal were used for the SWIL model comparison.

Modeled concentrations of total nitrogen and phosphorus for the evaluated tributaries were derived from the SWIL model output by dividing the monthly loads by the sum of the monthly baseflow and runoff volumes. There are two components used in the SWIL model loading estimates, a baseflow component based on mean baseflow concentrations for the Indian River Lagoon (Sec. 3.2), and a runoff component based on land use EMC values (Sec. 2.2).

To validate the baseflow and runoff components of the SWIL model the measured total nitrogen and phosphorus concentrations at the tributary sites were classified as either baseflow, mixed, or runoff. The classification is based on the baseflow separations described in Sec. 3.1.3. For both the monitored and modeled data, stream flow representing greater than 85 percent baseflow was classified as baseflow, flow which was less than 15 percent baseflow was classified as runoff, and everything between was classified as mixed. The cutoff of 85 percent represents the highest value which still provides a significant number of data points. A summary of mean total nitrogen and phosphorus concentrations for the monitored and modeled data based on this flow classification is presented in Tables 12 and 13, respectively.

Validating the baseflow component of the SWIL model consisted of comparing the mean baseflow concentrations in Table 12 with baseflow concentrations used for the SWIL model. The SWIL model uses total nitrogen and phosphorus concentrations of 0.886 mg/l and 0.122 mg/l, respectively, to calculate baseflow loads. The monitored baseflow concentrations of total nitrogen ranged from 0.984 mg/l at Crane Creek to 0.942 at South Prong, with an overall mean of 0.963 mg/l. The SWIL model uses a total nitrogen baseflow concentration of 0.886 mg/l which is within 11 percent of the predicted concentration at Crane Creek, 9 percent at Fellsmere Canal, and 6 percent at South Prong, with an overall mean of 8 percent. Therefore, it appears that the SWIL model provides a good prediction of baseflow concentrations of total nitrogen which is important since baseflow comprises about 2/3 of the total tributary flows.

TABLE 12

**SUMMARY OF MONITORED TOTAL NITROGEN AND PHOSPHORUS  
CONCENTRATIONS FOR VARIOUS FLOW CLASSIFICATIONS**

| <b>Flow Classification</b> | <b>Tributary</b> | <b>n</b> | <b>Mean Percent Baseflow (%)</b> | <b>Mean Total N (mg/l)</b> | <b>Mean Total P (mg/l)</b> |
|----------------------------|------------------|----------|----------------------------------|----------------------------|----------------------------|
| <b>Baseflow</b>            | Crane Creek      | 62       | 94                               | 0.984                      | 0.098                      |
|                            | Fellsmere Canal  | 9        | 94                               | 0.962                      | 0.103                      |
|                            | South Prong      | 3        | 100                              | 0.942                      | 0.135                      |
| <b>Mean</b>                |                  |          | <b>96</b>                        | <b>0.963</b>               | <b>0.112</b>               |
|                            |                  |          |                                  |                            |                            |
| <b>Mixed</b>               | Crane Creek      | 31       | 62                               | 0.894                      | 0.100                      |
|                            | Fellsmere Canal  | 13       | 62                               | 1.100                      | 0.137                      |
|                            | South Prong      | 3        | 65                               | 1.065                      | 0.147                      |
| <b>Mean</b>                |                  |          | <b>63</b>                        | <b>1.020</b>               | <b>0.128</b>               |

TABLE 13

**SUMMARY OF SWIL MODEL PREDICTED CONCENTRATIONS OF  
TOTAL NITROGEN AND PHOSPHORUS FOR VARIOUS FLOW CLASSIFICATIONS**

| <b>Flow Classification</b> | <b>Tributary</b> | <b>n</b> | <b>Mean Percent Baseflow (%)</b> | <b>Mean Total N (mg/l)</b> | <b>Mean Total P (mg/l)</b> |
|----------------------------|------------------|----------|----------------------------------|----------------------------|----------------------------|
| <b>Baseflow</b>            | Crane Creek      | 16       | 91                               | 0.944                      | 0.133                      |
|                            | Fellsmere Canal  | 5        | 86                               | 1.013                      | 0.133                      |
| <b>Mean</b>                |                  |          | <b>88</b>                        | <b>0.978</b>               | <b>0.133</b>               |
|                            |                  |          |                                  |                            |                            |
| <b>Mixed</b>               | Crane Creek      | 77       | 70                               | 1.076                      | 0.160                      |
|                            | Fellsmere Canal  | 17       | 64                               | 1.239                      | 0.150                      |
|                            | South Prong      | 6        | 54                               | 1.219                      | 0.156                      |
| <b>Mean</b>                |                  |          | <b>62</b>                        | <b>1.178</b>               | <b>0.155</b>               |

Mean monitored baseflow concentrations of total phosphorus ranged from 0.135 mg/l at South Prong to 0.098 mg/l at Crane Creek, with an overall mean of 0.112 mg/l. By comparing the SWIL model predicted phosphorus baseflow concentration of 0.122 mg/l and the monitored total phosphorus baseflow concentrations, it appears that the SWIL model under-predicts the baseflow concentration by 20 percent at Crane Creek and 15 percent at Fellsmere Canal and over-predicts by 11 percent at South Prong. Overall, the mean modeled baseflow total phosphorus concentration under-predicts the measured mean concentration by less than 9 percent. The SWIL model also appears to provide a good prediction for baseflow concentrations of total phosphorus.

Since none of the monitoring dates or monthly SWIL model loads consisted primarily of runoff, the runoff component of the SWIL model was validated by comparing mixtures of runoff and baseflow, listed in Tables 12 and 13 as "Mixed". Using only the monthly SWIL model output that matched the months in which the monitoring data was collected, the SWIL model data was classified as either baseflow or mixed. The different number of data classified as "Mixed" between the monitored data (Table 12) and the modeled data (Table 13) occurs because the classifications for the monitored data are based on daily samples, whereas the modeled data is based on the classification for an entire month.

The monitored concentrations of total nitrogen for the mixed condition (Table 12) ranged from 0.894 mg/l at Crane Creek to 1.100 mg/l at Fellsmere Canal, with mixed condition total phosphorus concentrations ranging from 0.100 mg/l to 0.147 mg/l. For the monitored data the overall mean mixed condition total nitrogen and phosphorus concentrations were 1.020 mg/l and 0.128 mg/l, respectively. It appears that as the ratio of runoff to baseflow increases in Crane Creek, total nitrogen concentrations decrease slightly while total phosphorus concentrations remain about the same. However, mean nutrient concentrations for Fellsmere Canal and South Prong exhibit an increase in concentration as the percentage of runoff increases.

The mixed condition mean total nitrogen concentrations (Table 13) from the SWIL model range from 1.076 mg/l at Crane Creek to 1.239 mg/l at Fellsmere Canal, with an overall mean of 1.178 mg/l. Total phosphorus concentrations range from 0.150 mg/l at Fellsmere Canal to 0.160 mg/l at Crane Creek with an overall mean of 0.155 mg/l.

Comparing the mixed condition concentration in Tables 12 and 13, it appears that the SWIL model over-estimates total nitrogen from 13 percent (South Prong) to 20 percent (Crane Creek) and total phosphorus from 6 percent South Prong to 59 percent (Crane Creek). Overall the SWIL model over-predicts total nitrogen and phosphorus for the mixed condition by 16 and 25 percent, respectively. A summary of percent errors for the baseflow and mixed conditions are presented in Table 14.

**TABLE 14**  
**PERCENT ERRORS BETWEEN MONITORED AND SWIL**  
**MODEL PREDICTED CONCENTRATIONS OF TOTAL NITROGEN AND**  
**PHOSPHORUS FOR BASEFLOW AND MIXED FLOW CONDITIONS**

| Flow Classification | Tributary       | Percent Error (%) |         |
|---------------------|-----------------|-------------------|---------|
|                     |                 | Total N           | Total P |
| Baseflow            | Crane Creek     | 11                | -20     |
|                     | Fellsmere Canal | 9                 | -15     |
|                     | South Prong     | 6                 | 11      |
| Mean                |                 | 9                 | -8      |
|                     |                 |                   |         |
| Mixed               | Crane Creek     | 20                | 59      |
|                     | Fellsmere Canal | 13                | 9       |
|                     | South Prong     | 14                | 6       |
| Mean                |                 | 16                | 25      |

Comparing the baseflow and runoff mixtures from Tables 12 and 13 shows that for the monitored concentrations the mixed condition ranged from 62 to 65 percent baseflow while for the SWIL model output the mixed condition ranged from 54-70 percent baseflow, suggesting that there are some slight compositional differences in the two data sets. The differences occur because the monitored data is composed of single daily measurements while the SWIL model output reflect weighted monthly values.

A third comparison was also conducted of the monitored and modeled data with no distinction for flow classification. A summary of the mean monitored and modeled concentrations are presented in Table 15. For the comparison, shown in Table 15, the SWIL model percent error for total nitrogen ranged from 10 percent (Crane Creek) to 21 percent (South Prong) with an overall mean of 15 percent. The overall comparison indicates that the SWIL model over-estimates total phosphorus concentrations from 11 percent (South Prong) to 57 percent (Crane Creek) with an overall mean of 29 percent.

Based on the results presented, it appears that the total phosphorus concentrations measured at Crane Creek may be outliers for these comparisons. For example, Crane Creek was the only tributary not to show an increase in total phosphorus and nitrogen between the baseflow and mixed condition. If the Crane Creek values are excluded, the percent error for baseflow would be 8 and -2 percent for total nitrogen and phosphorus, respectively, based on just the Fellsmere Canal and South Prong data. Using just the Fellsmere Canal and South Prong data, the overall percent error for the mixed condition (Table 14) would be 14 and 8 percent for total nitrogen and phosphorus, respectively. Excluding the Crane Creek data, the percent errors for unclassified flow conditions in the Fellsmere Canal and South Prong (summarized in Table 15), would be 18 and 15 percent for total nitrogen and phosphorus, respectively. Based on the limited monitoring data for the comparisons, percent errors ranging from 15 to 18 percent overall are within the expected range of error given the limited data, issues with temporal variability in the measured (daily) and modeled (monthly) values, inconsistent measurements, and differences in hydrologic and water quality monitoring sites.

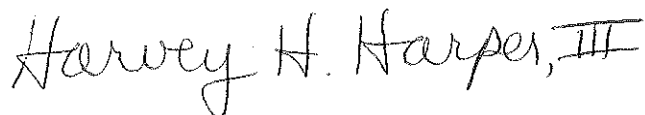
**TABLE 15**  
**SUMMARY OF MONITORED AND MODELED**  
**TOTAL NITROGEN AND PHOSPHORUS CONCENTRATIONS**

| Tributary       | Monitored      |                | SWIL Model     |                | Percent Error (%)     |                       |
|-----------------|----------------|----------------|----------------|----------------|-----------------------|-----------------------|
|                 | Total N (mg/l) | Total P (mg/l) | Total N (mg/l) | Total P (mg/l) | Total N               | Total P               |
| Crane Creek     | 0.954          | 0.099          | 1.053          | 0.155          | 10                    | 57                    |
| Fellsmere Canal | 1.044          | 0.124          | 1.188          | 0.146          | 14                    | 18                    |
| South Prong     | 1.004          | 0.141          | 1.219          | 0.156          | 21                    | 11                    |
| <b>Mean</b>     | <b>1.000</b>   | <b>0.121</b>   | <b>1.153</b>   | <b>0.153</b>   | <b>18<sup>1</sup></b> | <b>15<sup>1</sup></b> |

1. Excluding Crane Creek data

We hope that the responses in this letter and in the revised Technical Memorandum Report address the comments and concerns raised by FDEP. If you need any additional information, please feel free to contact me directly.

Sincerely,



Harvey H. Harper, III, Ph.D., P.E.  
President