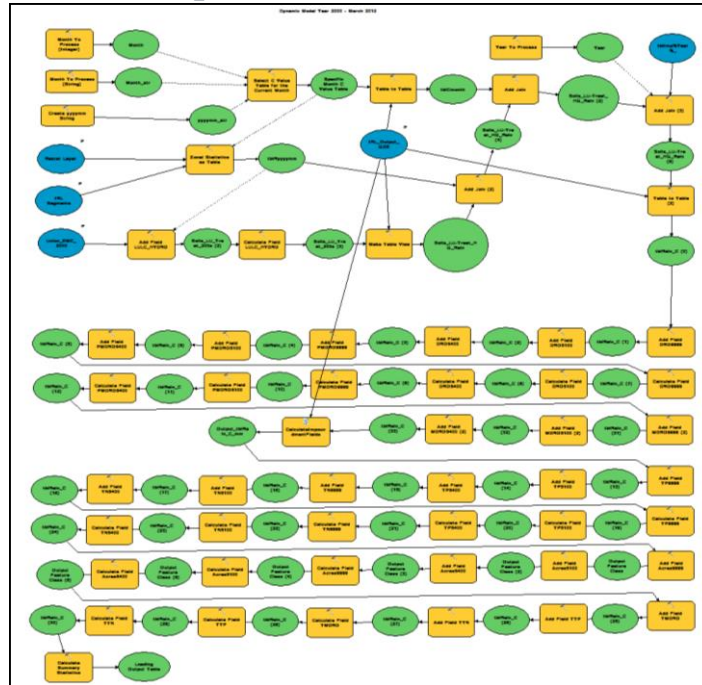


# Spatial Watershed Iterative Loading (SWIL) Model Methodology Report

Updated for SWIL 3.0



Developed by



For



10/15/2015

## Table of Contents

|       |                                                                           |    |
|-------|---------------------------------------------------------------------------|----|
| 1     | Background of the Model .....                                             | 4  |
| 2     | Overview .....                                                            | 5  |
| 2.1   | SWIL Model as a Toolset .....                                             | 6  |
| 2.1.1 | Setup Workspace Tool .....                                                | 8  |
| 2.1.2 | Static Model .....                                                        | 9  |
| 2.1.3 | Dynamic Model .....                                                       | 14 |
| 2.1.4 | Baseflow Model .....                                                      | 18 |
| 2.1.4 | Consolidate Results Model .....                                           | 22 |
| 3     | Modifications or Development of Source Geospatial Layers .....            | 24 |
| 3.1   | TMDL Jurisdictional boundaries .....                                      | 25 |
| 3.2   | Land Use Land Cover .....                                                 | 25 |
| 3.3   | Soils .....                                                               | 25 |
| 3.4   | Treatments .....                                                          | 26 |
| 3.5   | Impoundments .....                                                        | 26 |
| 3.6   | Rainfall .....                                                            | 27 |
| 3.7   | Evapotranspiration .....                                                  | 27 |
| 4     | Tabular Reference Numbers: EMCs, C values, and Treatment Reductions ..... | 27 |
| 4.1   | Land Use Consolidation and EMCs .....                                     | 27 |
| 4.2   | Monthly C values .....                                                    | 28 |
| 4.3   | Treatment Reductions .....                                                | 28 |
| 5     | Incorporating Impoundments in the Model .....                             | 30 |
| 6     | References .....                                                          | 31 |

## Table of Figures

|                                                            |    |
|------------------------------------------------------------|----|
| Figure 1. SWIL Model Toolset .....                         | 6  |
| Figure 2. High Level Model Flow Diagram .....              | 7  |
| Figure 3. Directory Structure .....                        | 8  |
| Figure 4. Setup Workspace Tool .....                       | 9  |
| Figure 5. Static Model Tool .....                          | 10 |
| Figure 6. Static Model 2000 Inputs and Outputs .....       | 11 |
| Figure 7. Static Model 2004 Inputs and Outputs .....       | 12 |
| Figure 8. Process Function.....                            | 13 |
| Figure 9. Dynamic Model Tool .....                         | 14 |
| Figure 10. Dynamic Model Year 2000 Inputs and Outputs..... | 15 |
| Figure 11. Dynamic Model Year 2004 Inputs and Outputs..... | 16 |
| Figure 12. processMonth Function .....                     | 17 |
| Figure 13. Baseflow Model Tool.....                        | 19 |
| Figure 14. Baseflow Processing.....                        | 20 |
| Figure 15. Consolidated Results Tool.....                  | 23 |

## Table of Tables

|                                                                                                                        |    |
|------------------------------------------------------------------------------------------------------------------------|----|
| Table 1. Source Layers by Model. ....                                                                                  | 24 |
| Table 2. Recommended BMP Efficiencies for Use in the Indian River Lagoon TMDL Evaluation (Harper and Baker 2015). .... | 29 |

## 1 **Background of the Model**

FDEP has identified the Indian River Lagoon and Banana River Lagoon as impaired waterbodies due to nutrient over-enrichment. In March 2009 FDEP issued TMDLs for the IRL and BRL requiring reductions of TN and TP in stormwater runoff by 21% to 69% across the Lagoon (Gao 2009). The TMDL was established on the basis of a relationship between nutrient loading and seagrass depth limits. Nutrient loading estimates were calculated using the Pollution Load Screening Model (PLSM) , originally developed for smaller areas within the IRL (Bergman and Donnangelo 1995, 1996a, 1996b, 1998), and later expanded to the entire IRL drainage by SJRWMD to represent loads for the year 2000 (Adkins et al. 2004). Seagrass depth limits were developed by SJRWMD from a 1943 to 2001 series of photo-interpreted seagrass coverages.

Through an Interlocal Agreement and a Joint Participation Agreement, all MS4 permittees within the Brevard County portion of the IRL (17 entities) partnered to fund a Study Team to update and refine the 2000 PLSM model and associated TMDLs for the IRL. After the TMDL was established, additional data were collected enabling the Study Team to re-visit the TMDL and address pertinent questions that have arisen regarding pollutant loading and seagrass relationships. The Spatial Watershed Iterative Loading (SWIL) model was developed as part of this study to incorporate more available data, more recent conditions, and more temporally fine datasets. SWIL is a custom ESRI ArcGIS toolset, providing a continuous monthly simulation of runoff (surface and baseflows) over a 16-year period, yielding a more robust representation of pollutant loadings and freshwater volumes in the IRL.

The SWIL model has been updated since the initial version was developed in 2012 (SWIL 1.0). By July 2014, SWIL 2.0 was released focusing on addressing initial FDEP comments, improving the ease of execution and reducing the overall processing time. SWIL 3.0, released in April 2015, focused on improving model calibration to the measured available gage data, which included a change in the methodology to derive baseflow volumes and loads. SWIL 3.0 also incorporated the newly released evapotranspiration (ET) raster datasets, which were updated using the newly improved Mu et al's ET algorithm (2011).

The goal of SWIL is to provide a GIS-based model that can be adaptive to changes in input and batch complex processes through several months or years on demand. SWIL aims to provide both spatially and temporally fine-scale volumes and loads (TP and TN), allowing input data to be related to water quality parameters. Since temporal and spatial differences in water quality sampling appear essential in understanding the Indian River Lagoon and Banana River Lagoon system, an input watershed model that provides data at the same fine scales is critical to the TMDL process. The portability of the model (a toolset within ArcGIS) and flexibility of its design are key features of the SWIL.

Some of the key differences between the original PLSM model (developed by the SJRWMD) and the SWIL model are:

- the PLSM model provides volumes and loadings for one snapshot in time (set to the year 1999), while the SWIL model includes 1995-2010 data, but could be adapted, with additional input layers to additional time periods
- the PLSM provides annual volumes and loadings, while the SWIL computes monthly values, which can be then aggregated, within the toolset, to annual values

- the SWIL model provides separate estimates for direct runoff and baseflow volumes and loadings unlike the PLSM model
- the SWIL incorporates updated soil, land use, and treatment input layers, using the best available information from both agencies and stakeholders
- rainfall is spatially weighted in the SWIL based on interpolated rainfall surfaces from multiple gages throughout the study area and assigned to each of the 57 subsegment, whereas, in the PLSM model, each sub-basin (3 total within the model domain) was assigned an average value from representative rainfall stations
- the timing of loadings released from seasonal impoundment management schemes is taken into account in the monthly output of the SWIL model, whereas it is addressed in the PLSM model by reducing the annual rainfall to an average of the rainfall volume that falls during the portion of the year that the impoundments are open to the IRL.
- EMCs and C values for the SWIL were updated with best available information (provided by Environmental Research and Design, Inc. based on research conducted for FDEP's development of the Statewide Stormwater Rule)
- the SWIL includes information for each treatment area (dry versus wet pond), and provides newly developed treatment efficiencies for each of these types; in contrast, the PLSM, provided a one size fits all treatment efficiency

## 2 **Overview**

The SWIL Model tools operate in the ArcGIS environment. Some of the functions require the Spatial Analyst extension. The tools are accessible in a toolbox that can be accessed in ArcCatalog.

The SWIL model was initially developed using ArcGIS Model Builder. Model Builder allows geoprocessing workflows to be developed graphically on a canvas. ArcGIS model builder enables the formulation of geoprocessing work flows, linking single GIS tasks and functions together to produce a desired outcome.

As the SWIL Model tools grew more complex limitations in the Model Builder capabilities were reached. Execution time was impractically slow using Model Builder. Some operations such as iterators were unnecessarily difficult to work with and join operations did not work reliably in Model Builder. To improve overall reliability, make the tool easier to use, and to decrease the execution time, the SWIL Model has been completely rewritten using the Python scripting language.

Python is a widely used general-purpose, high-level programming language. Its design philosophy emphasizes code readability, and its syntax allows programmers to express concepts in fewer lines of code than would be possible in languages such as C++ or Java. The language provides constructs intended to enable clear programs on both a small and large scale. Python is also the scripting language supported by the ESRI ArcPy site module. The ArcPy module is used to automate the analysis and mapping of geospatial data in ArcGIS.

## 2.1 SWIL Model as a Toolset

The SWIL Model is organized as a collection of tools. The SWIL version 3.0 toolset is shown in Figure 1. The order in which the components are listed is the order of execution.

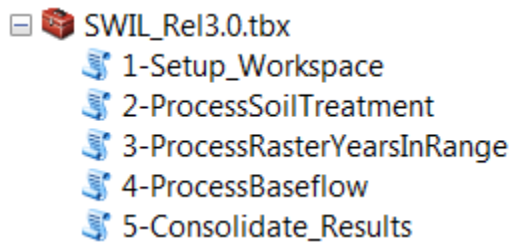


Figure 1. SWIL Model Toolset.

This toolset contains all the processing for the model. Within the toolset, the processing is grouped in two study year groups (1995 to 2002 and 2003 to 2010). The major components are the Static Model, Dynamic Model and the Baseflow Model. These models are shown in Figure 2 and described in the following sections:

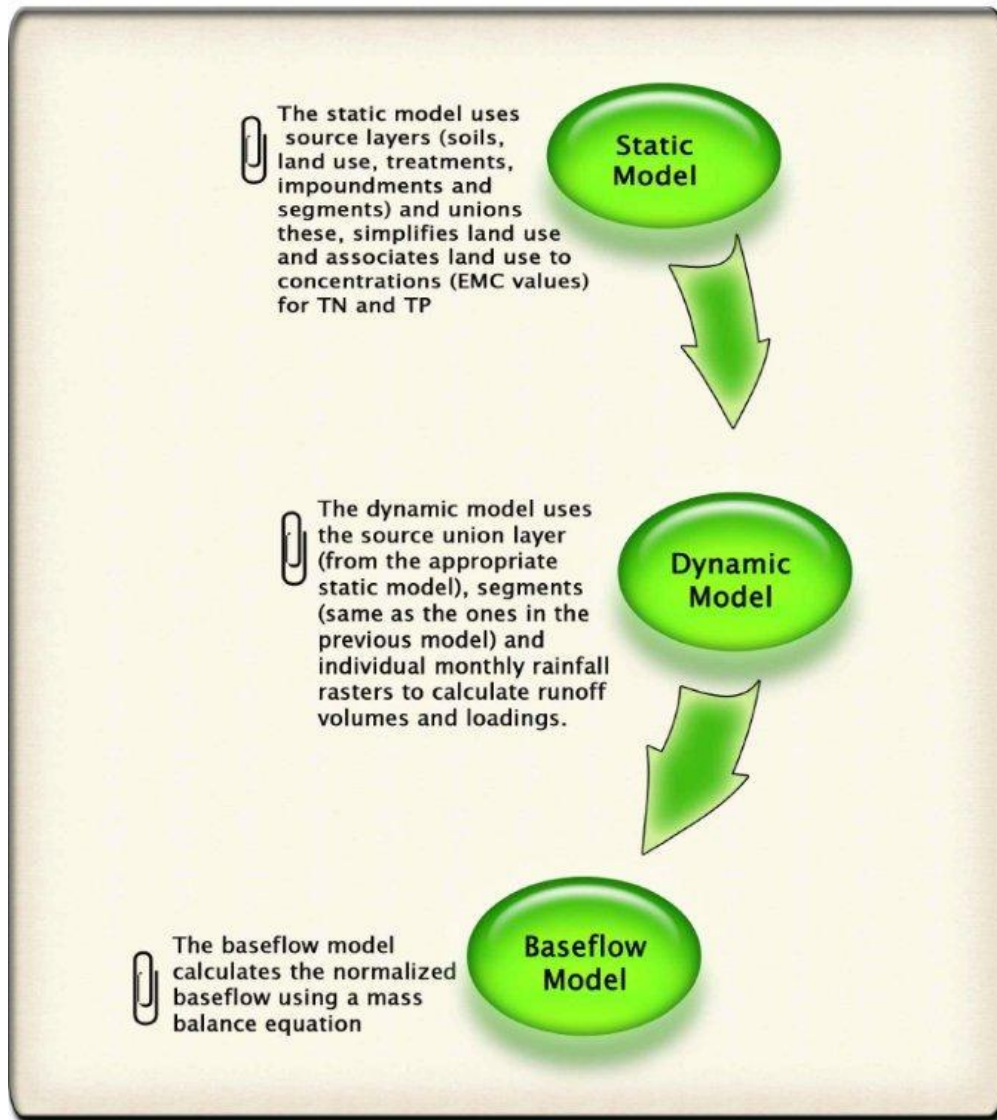


Figure 2. High Level Model Flow Diagram

### 2.1.1 Setup Workspace Tool

The Setup Workspace Tool script sets up the workspace that is needed to run the model. It creates any directories that are required that do not already exist and it also creates the necessary geodatabases used during the model execution. The directory structure expected by the model is shown in Figure 3. **The user must not change this structure.** Time stamped log files are produced during model execution and stored in the Logs directory. A new log file is produced for each day the model is run. The model uses the geoprocessing environment variable to set the workspace and then uses relative paths to the directory structure shown below to determine the complete paths to geodatabases, rasters, tools, etc. used by the toolset.

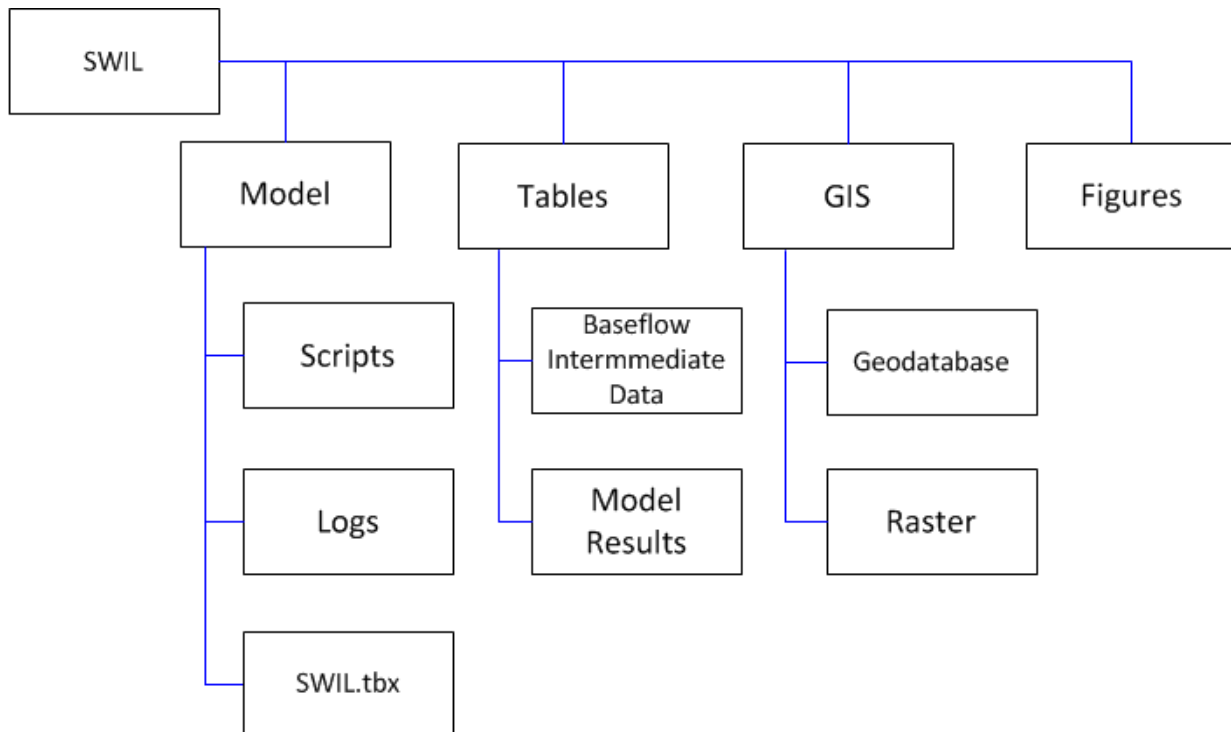


Figure 3. Directory Structure

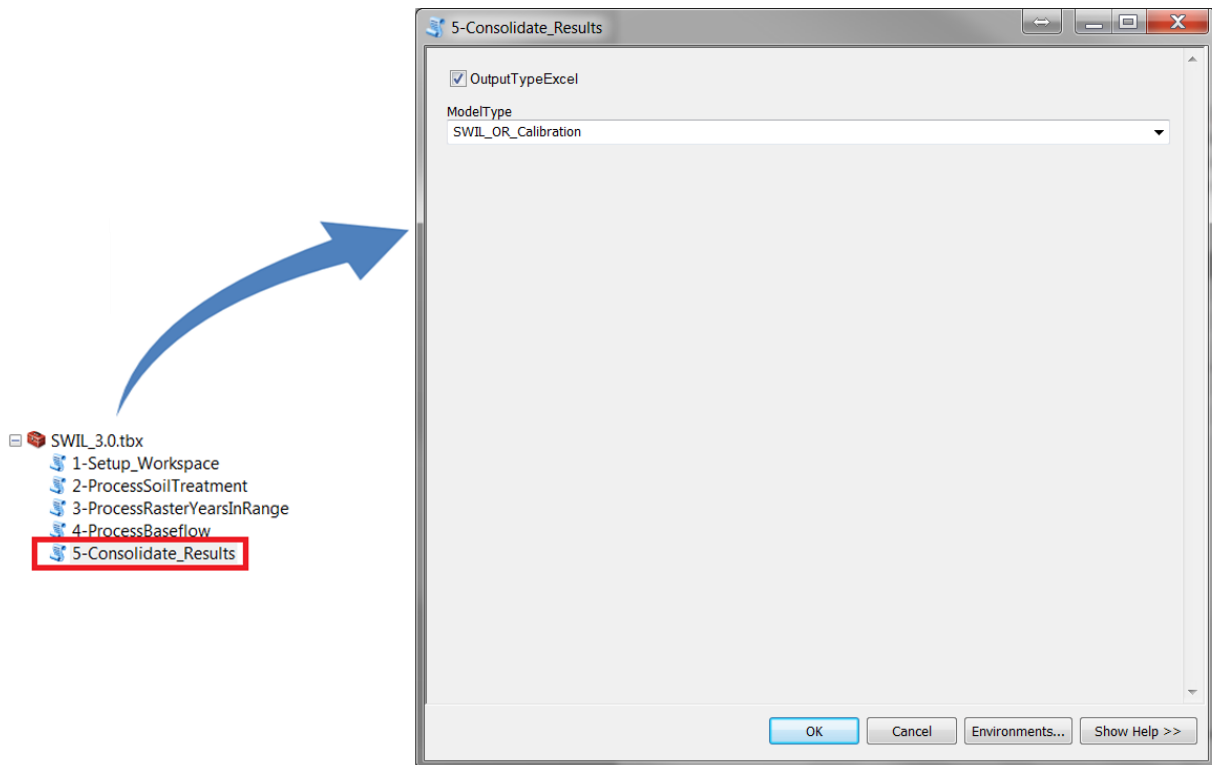


Figure 4. Setup Workspace Tool

### 2.1.2 Static Model

The static model uses source layers (*soils, land use, treatment, impoundments and segments*) and unions these, simplifies land use, and associates land use to concentrations (EMC values) for TN and TP. This process is "Static" since it only needs to be run with updates to any of the following input layers: land use, soils, and treatments. In the current SWIL 3.0 model, only two modeling periods (1995-2002 and 2003-2010) are captured by using the years 2000 and 2004 land use and treatment input.

The Static Model resides in the tool, 2-Process\_Soil\_Treatment, as shown in Figure 5.

1. This tool utilizes input data in the geodatabase:
  - Model\_Inputs.gdb
2. This processing step produces tables which are stored in IRL\_Model\_Source.gdb
  - Union\_EMC\_2000
  - Union\_EMC\_2004
  - Union\_EMC\_2000\_Statistics
  - Union\_EMC\_2004\_Statistics

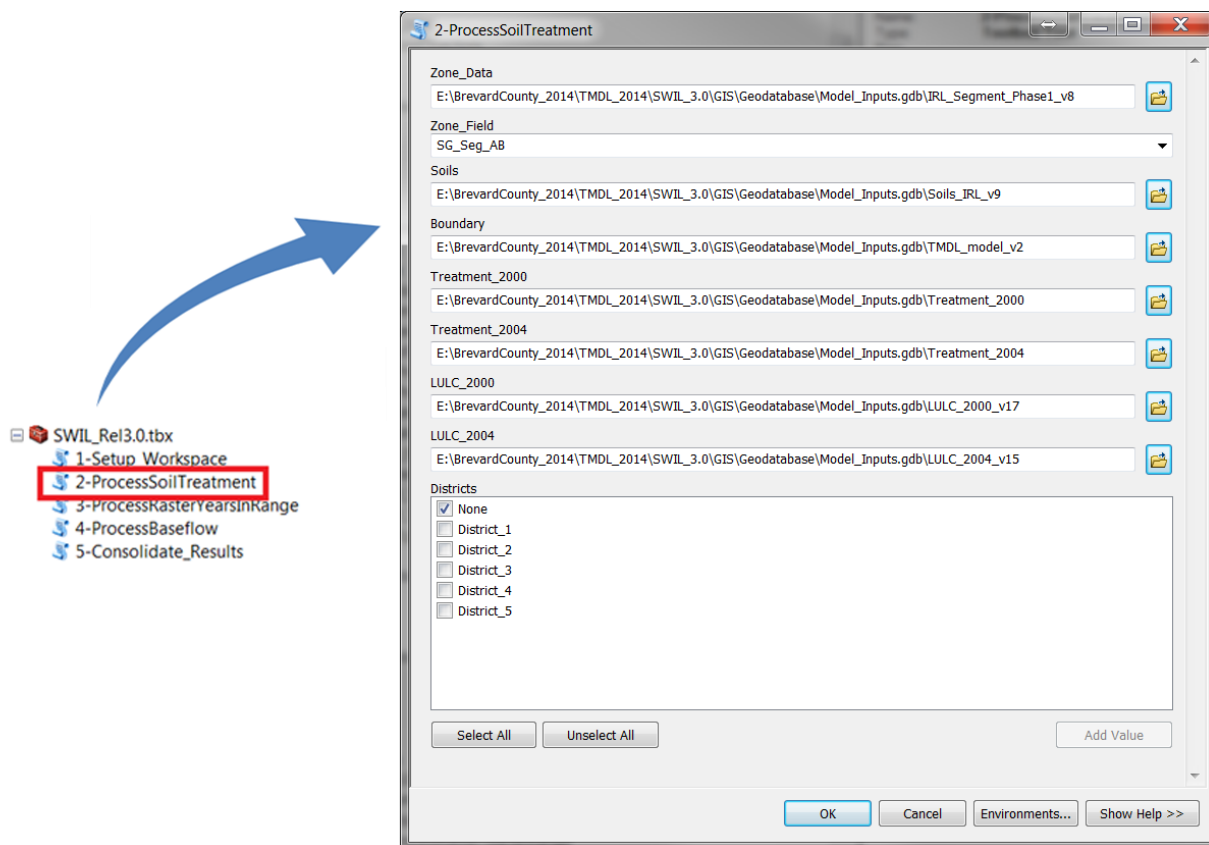


Figure 5. Static Model Tool

A top-level view of the processing inputs and outputs of the modeling years 2000 and 2004 are shown in Figure 6 and Figure 7.



Figure 6. Static Model 2000 Inputs and Outputs



Figure 7. Static Model 2004 Inputs and Outputs

This tool executes the Python function Process for the 2000 model year and then again for the 2004 model year. The major processing components are shown in Figure 8. This function makes heavy use of the “In\_Memory” workspace to avoid disk access.

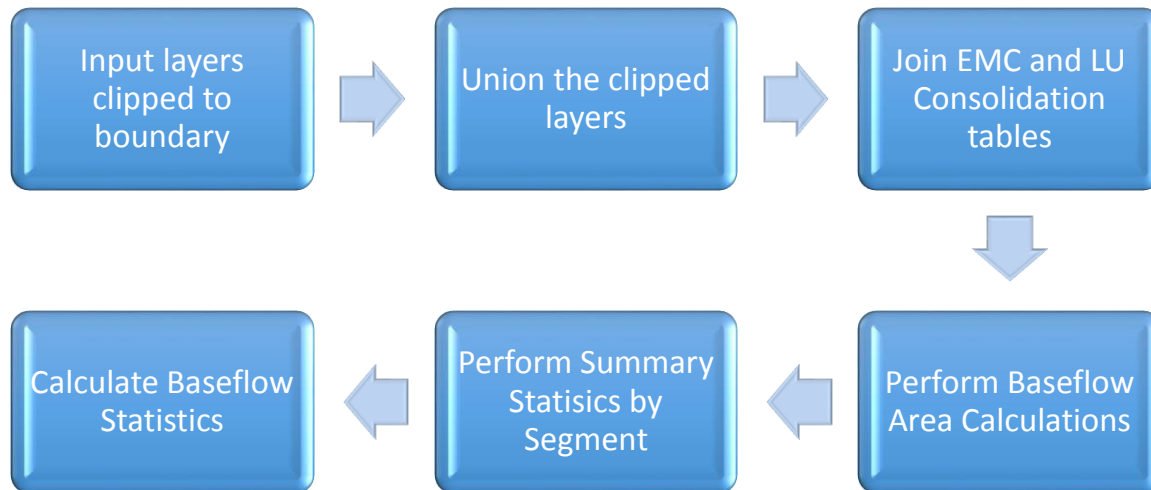


Figure 8. Process Function

The Perform Baseflow Area Calculations processing adds and calculates the following fields to the Union\_EMC\_2000 and Union\_EMC\_2004 tables:

- Area\_NoWater\_Meters\_200x
- Impervious\_NoWater\_Acres\_200x
- Impervious\_NoWater\_Meters\_200x
- Area\_Developed\_Acres\_200x
- Area\_Developed\_Meters\_200x
- Impervious\_Developed\_Acres\_200x
- Impervious\_Developed\_Meters\_200x
- Total\_Area\_200x

The Calculate Baseflow Statistics processing step adds and calculates the following fields to the Union\_EMC\_2000\_Statistics and Union\_EMC\_2004\_Statistics tables:

- Percent\_Impervious\_NoWater\_200x
- Percent\_Impervious\_Developed\_200x
- Pervious\_Developed\_Meters\_200x
- Pervious\_Undeveloped\_Meters\_200x

The fields produced by both baseflow processes described above are critical for the Baseflow module component of the SWIL model.

### 2.1.3 Dynamic Model

The dynamic model calculates direct runoff volumes, TN and TP separately for four categories of land use: 5100 (streams and waterways), 5400 (estuaries - the Indian River Lagoon and Banana River), 5474 (Spoil Islands), and all the rest (9999). The number 9999 was not assigned based on the FLUCCS classification number (it was arbitrary). Each month of the study period will have an associated output table.

The Dynamic Model resides in the tool, ProcessRasterYearsInRange, as shown in Figure 9. It uses the following data as input:

- the 192 months of rainfall rasters (January 1995 through December 2010)
- Union EMC\_2000
- Union EMC\_2004
- Union EMC\_2000\_Statistics
- Union EMC\_2004\_Statistics

The Dynamic Model portion of the model produces loading tables, tblLyyyyymm, for all 192 months of the study and are stored in the geodatabase, IRL\_Model\_Output.gdb

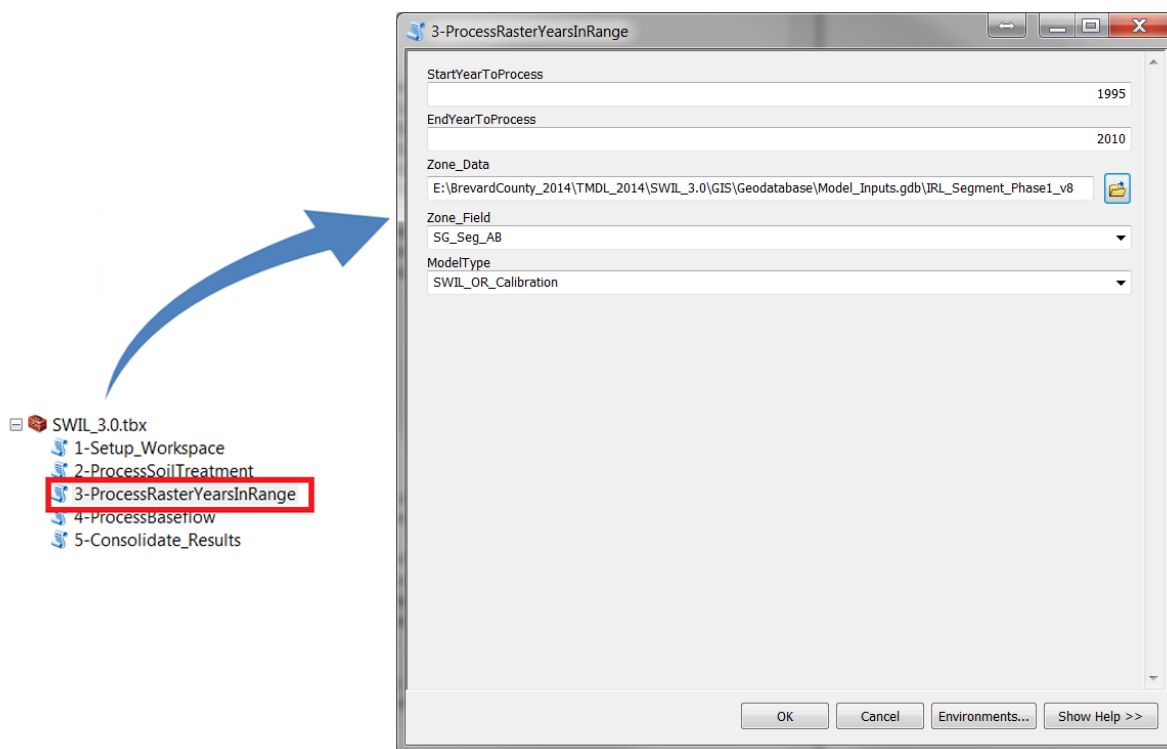


Figure 9. Dynamic Model Tool

A top-level view of the processing inputs and outputs are shown in Figure 10 and Figure 11. This processing step generates one table of results (volumes and loadings) per month per year ultimately resulting in 192 tables.

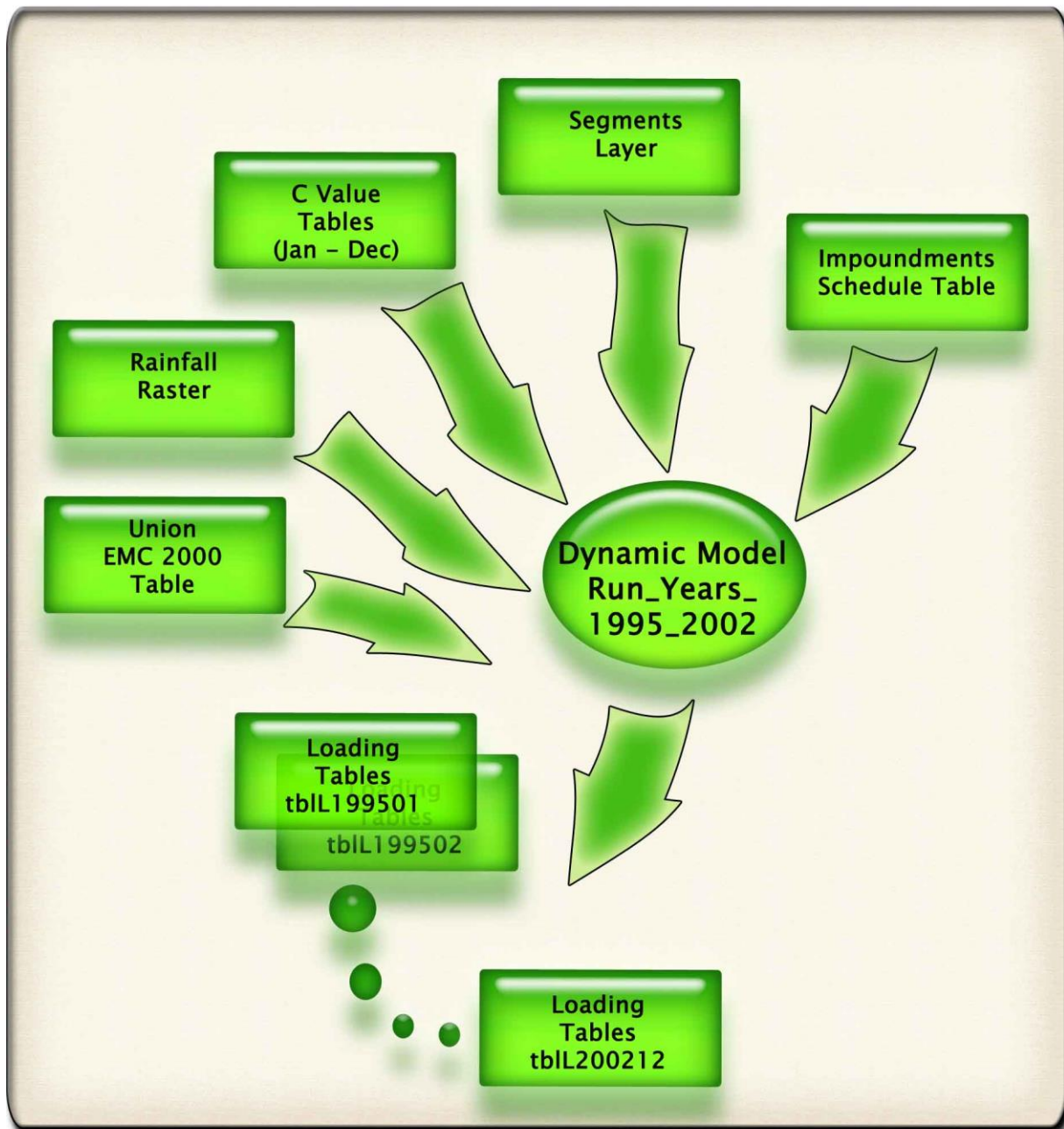


Figure 10. Dynamic Model Year 2000 Inputs and Outputs



Figure 11. Dynamic Model Year 2004 Inputs and Outputs

When the execution of this tool begins it makes a sorted list of all the rainfall rasters in the sub-folder "GIS\Raster\Monthly\_Rainfall". This tool then executes the Python function processMonth for each rainfall raster in the sorted list. The major processing components are shown in Figure 12. This function makes heavy use of the “In\_Memory” workspace to avoid disk access.

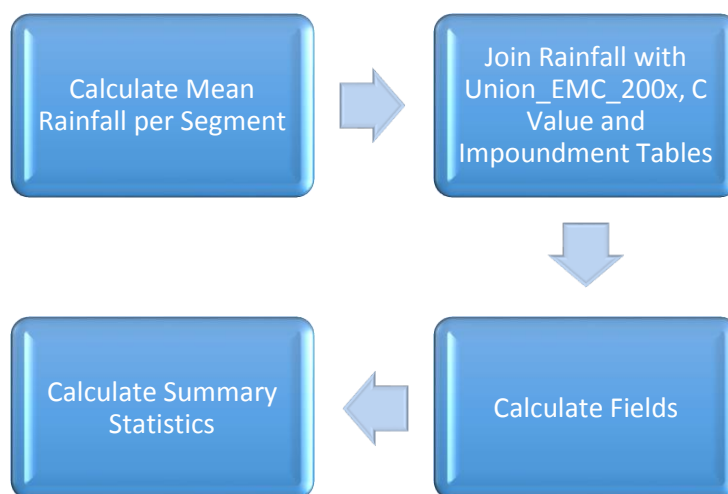


Figure 12. processMonth Function

The calculations taking place to achieve monthly volumes, TN, and TP loadings include the following general steps:

- Extract monthly rainfall averages for each TMDL segment using source rainfall rasters and join the data to the union layer (output from Static portion of the model)
- Join the applicable C value (runoff coefficient) based on month, land use and soil hydro group type
- Join the appropriate Impoundment Schedule for each of the impoundments within the study area (based on year being processed)
- Calculate Direct Runoff volume for 5100, 5400, 5474, and all other (9999) land use types (named DRO)
- Modify the direct runoff volumes based on treatment efficiency reductions depending on year and type -wet versus dry- of treatment
- Modify the runoffs even further using the correct impoundment regime for each impoundment in the study area according to the year being processed (named MDRO).
- Finally calculate TN and TP loadings for 5100, 5400, 5474, and all other land use types and total loadings per segment

The Calculation Fields processing adds and calculates the following fields to the monthly table, tblRain\_C\_yyyymm. Note that this intermediate table created is using an “In\_Memory” workspace. And due to the size of these tables only the twelve tables for 1995 and the twelve tables for 2003 are written to disk for analysis. In the bulleted list below “xxxx” represents four actual fields (for land use categories 5100, 5400, 5474, and 9999)

- DROxxxx
- ImpDROxxxx
- Baseflow\_DROxxxx
- MDROxxxx
- TNxxxx
- TPxxxx
- Acresxxxx
- MTNxxxx
- MTPxxxx
- TMDRO
- TTP
- TTN

The final output table for each month, tbyyyymm, is produced by executing the Summary Statistics by segment on the table, tblRain\_C\_yyyymm.

#### 2.1.4 Baseflow Model

The design of the Baseflow processing closely follows the Environmental Research & Development (ERD) baseflow model implemented in an Excel spreadsheet. The Baseflow Model corresponds to the dynamic baseflow water runoff portion of the model with each month having an associated output table. The baseflow model uses the loading tables (from the Dynamic Model) as inputs. Due to the confining layer typical of the Indian River Lagoon’s geology which prevents downward movement of groundwater, the baseflow model is based on the following water budget equation:

$$\text{Baseflow} = \text{Precipitation} - \text{Evapotranspiration} - \text{Direct Runoff}$$

The monthly baseflow volume is a function of groundwater input for that specific month in addition to the groundwater storage carried over from the previous month. In addition, calibration taking place during SWIL 3.0 changed the normalization process of the baseflow volumes by incorporating Groundwater Storage Depth, an area-weighted groundwater input variable. For more details regarding this variable and how it is used in normalizing monthly baseflow values, please refer to the calculations described under the CalculateBaseflow function below (p.21).

The Baseflow Model resides in the tool, ProcessBaseflow, as shown in Figure 13. This processing step uses the following data as input:

- the 192 months of ET rasters
- tblLyyyyymm

The results from the direct/surface processing (tblLyyyyymm) and the baseflow processing (tblETyyyyymm\_v5) are merged into one set of outputs (each month will have an associated output) as tbl\_Finalyyyyymm and are stored in the file geodatabase, IRL\_Model\_Output.gdb.

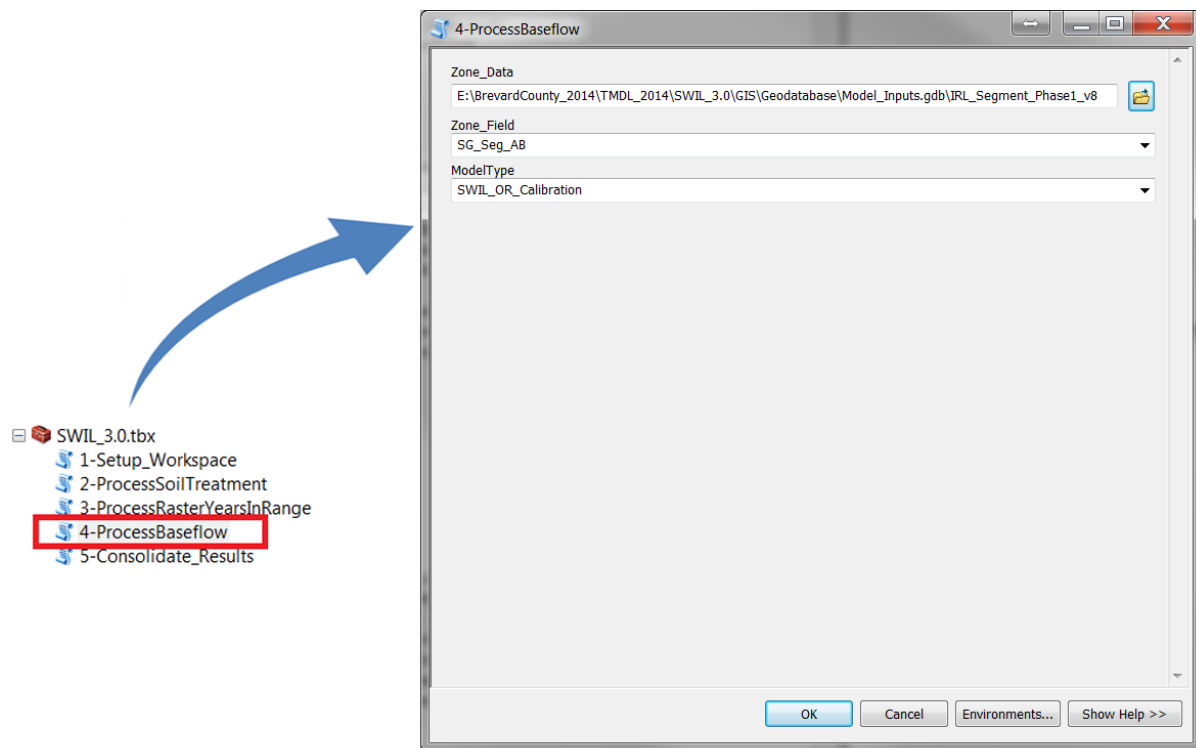


Figure 13. Baseflow Model Tool

A top-level view of the processing flow is shown in Figure 14. This processing step generates one table of results (volumes and loadings) per month per year, ultimately resulting in 192 tables. This function makes heavy use of the “In\_Memory” workspace to avoid disk access.

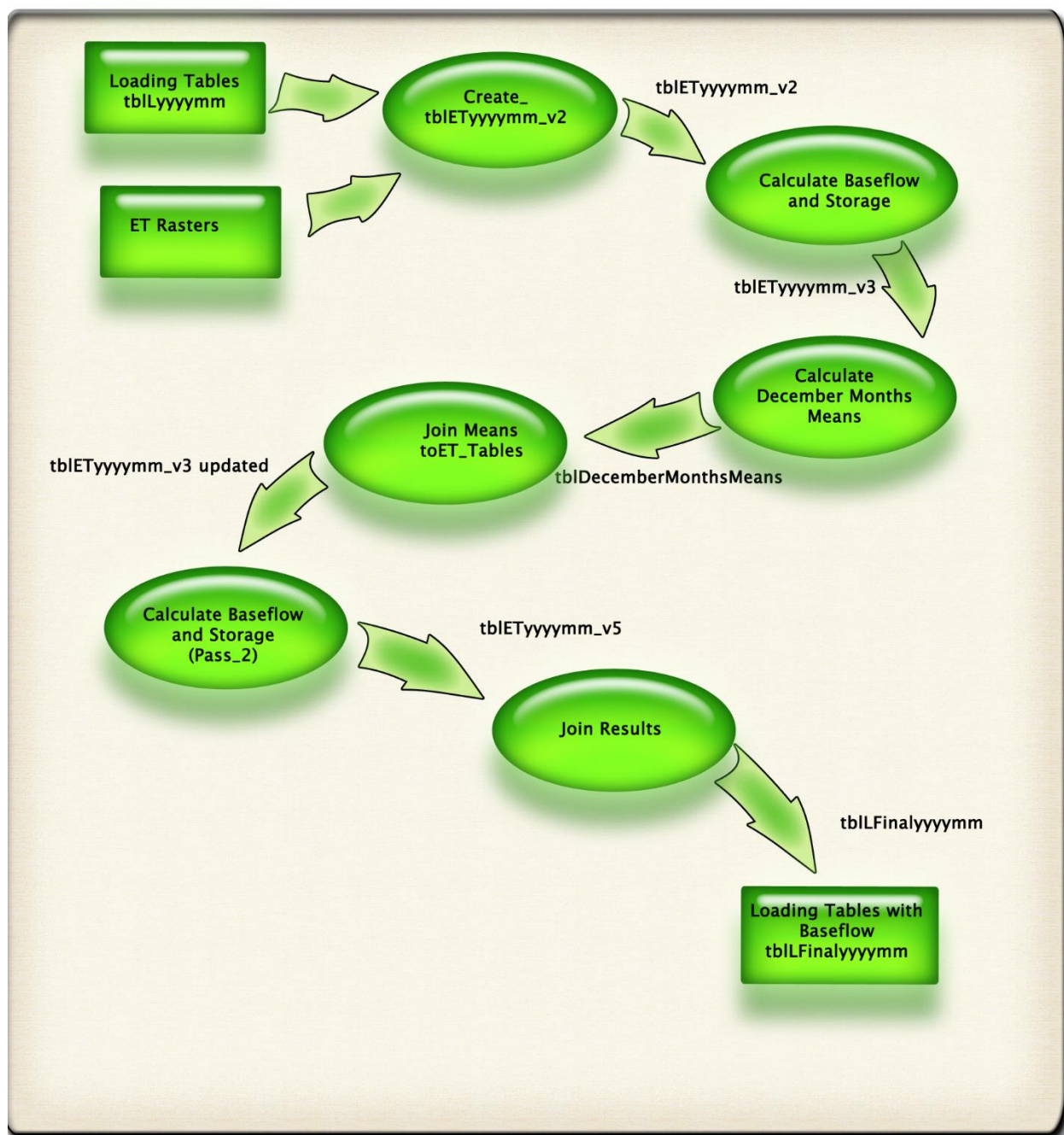


Figure 14. Baseflow Processing

When the execution of this tool begins it executes the Python function Create\_tblETyyyymm\_v2. This function subsequently creates a sorted list of all ET rasters in the sub-folder "GIS\Raster\ IRL\_ET\_2014". It then iterates the list of ET rasters and executes the geoprocessing tool Zonal Statistics by segment on the ET Raster for the current month producing a new table, tblETyyyymm\_v1. After this initial table is created, a series of joins are executed using the following as input creating the table tblETyyyymm\_v2 as output:

- The table tblETyyyymm\_v1
- Union EMC\_2000\_Statistics
- Union EMC\_2004\_Statistics
- The tblLyyyymm loading table

Next, the Python function CalculateBaseflow is called to perform the first pass of the baseflow processing. This function creates a sorted list of all tblETyyyymm\_v2 tables in the file geodatabase, ET\_Model\_Output.gdb. It then iterates the list of tables and performs the following calculations and then saves the output to a new table, tblETyyyymm\_v3:

```
# Calculate the currentGW_Storage
currentGW_Storage = currentGW_Input + previousGW_Storage - previousBaseflow

# Calculate GW Storage Depth
if currentGW_Storage >= 0:
    GW_Storage_Depth = currentGW_Storage / float(Total_Area)
else:
    GW_Storage_Depth = abs(currentGW_Storage / float(Total_Area))

# Calculate the currentBaseflow
Lag_Factor = 0.323
currentBaseflow = currentGW_Storage * Lag_Factor * GW_Storage_Depth
```

Next, the Python function CalculateDecemberMonthsMeans is called to create table tblDecemberMonthBaseflowMean containing means for all months of December of the following fields:

- Groundwater Storage
- Groundwater Input
- Raw Baseflow

Next, the Python function JoinMeansToET\_Tables is called to join the table tblDecemberMonthBaseflowMean to each of the tables tblETyyyymm\_v3 producing tblETyyyymm\_v4 as output.

Next, the Python function CalculateBaseflow\_Pass\_2 is called to perform the second pass of the baseflow processing. This time the baseflow will be calculated using the December months mean data as the previous months input (i.e. December 1994) for the first month of the study (January 1995). In the first pass of the baseflow processing zeroes were used since 1994 data were not available. This function creates a sorted list of all tblETyyyymm\_v4 tables in the file geodatabase, ET\_Model\_Output.gdb.

It then iterates the list of tables and performs the following calculations and then saves the output to a new table, tblETyyyymm\_v5:

```
# Calculate the currentGW_Storage
currentGW_Storage = currentGW_Input + previousGW_Storage - previousBaseflow

# Calculate GW Storage Depth
if currentGW_Storage >= 0:
    GW_Storage_Depth = currentGW_Storage / float(Total_Area)
else:
    GW_Storage_Depth = abs(currentGW_Storage / float(Total_Area))

# Calculate the currentBaseflow
Lag_Factor = 0.323
currentBaseflow = currentGW_Storage * Lag_Factor * GW_Storage_Depth
```

Next, the Python function JoinResults is called to perform the last processing step which creates the final outputs for all 192 months of the study. This function creates a sorted list of all tblLyyyymm tables in the file geodatabase, IRL\_Model\_Output.gdb. It then iterates the list of tables and joins to tblETyyyymm\_v5. The output is saved as tbl\_Finalyyyymm.

#### 2.1.4 Consolidate Results Model

This tool consolidates the 192 months of data tables (tbl\_Finalyyyymm) for analysis. The 192 tbl\_Finalyyyymm tables are consolidated into a single Excel file (ConsolidatedResults.xls) and then the geoprocessing tool Summary Statistics is used to sum the data by year and segment and stored in a second Excel file (ConsolidatedResults\_Statistics.xls).

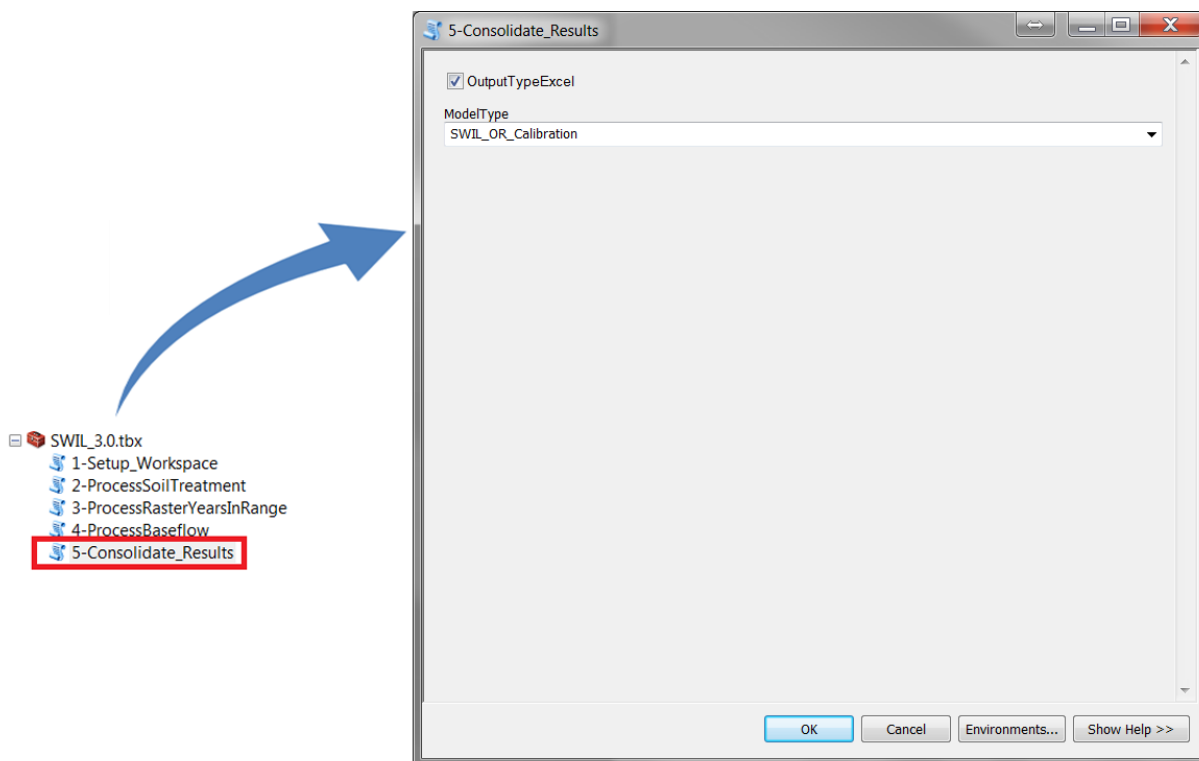


Figure 15. Consolidated Results Tool

### 3 **Modifications or Development of Source Geospatial Layers**

The source spatial and tabular layers for the SWIL (specified in Table 1) were created and modified as recommended in the Task 1 Technical Memorandum Report (Data Acquisition and Recommendations, Applied Ecology 2012). This section will provide details on the key methodology of the refinement and development of the geospatial layers in the SWIL model.

Table 1. Source Layers by Model.

| <b>Source Layer</b>             | <b>Type</b> | <b>Model</b> | <b>Description</b>                                                  | <b>Developed By</b>                     |
|---------------------------------|-------------|--------------|---------------------------------------------------------------------|-----------------------------------------|
| <b>Treatment_2000</b>           | Geospatial  | Static       | Drainage Areas treated by BMPs (1986-2000)                          | AEI (supported by SSI for type)         |
| <b>Treatment_2004</b>           | Geospatial  | Static       | Drainage Areas treated by BMPs (1986-2004)                          | AEI (supported by SSI for type)         |
| <b>IRL_Segment_Phase1_v8</b>    | Geospatial  | Static       | North IRL, Central IRL and Banana River TMDL Drainage Area Segments | AEI (supported by SSI and stakeholders) |
| <b>Impoundments</b>             | Geospatial  | Static       | Impoundment Areas                                                   | Brevard County                          |
| <b>Soils_IRL_v8</b>             | Geospatial  | Static       | Soil Type                                                           | ERD and AEI                             |
| <b>LULC_2000_v17</b>            | Geospatial  | Static       | Land Use Land Cover (year 2000)                                     | AEI                                     |
| <b>LULC_2004_v15</b>            | Geospatial  | Static       | Land Use Land Cover (year 2004)                                     | AEI                                     |
| <b>tblEMC_v3</b>                | Tabular     | Static       | Event Mean Concentration Values for all Simplified Land Uses        | ERD                                     |
| <b>tblLU_Consolidate_v3</b>     | Tabular     | Static       | Simplification of FLUCCS land cover to 27 categories                | ERD & AEI                               |
| <b>tbl_C_Jan to tbl_C_Dec</b>   | Tabular     | Dynamic      | Monthly Runoff Coefficient Values                                   | ERD                                     |
| <b>tblImp1995 to tblImp2010</b> | Tabular     | Dynamic      | Impoundment Management Schedule (by year)                           | Brevard County & AEI                    |
| <b>Rainfall (monthly)</b>       | Raster      | Dynamic      | Interpolated Monthly Rainfall for the TMDL area                     | ERD                                     |
| <b>ET (monthly)</b>             | Raster      | Baseflow     | Evapotranspiration values based on MODIS product                    | ERD & AEI                               |

### 3.1 TMDL Jurisdictional boundaries

The TMDL jurisdictional boundaries were expanded from the original SJRWMD PLSM extent of 627,017 acres to 649,524 acres. The increase in area by 3.6% for the SWIL model was necessary to include the stakeholder MS4 drainage extents within the modeling extent. Several cities had expanded since the 1999 PLSM model delineated the drainage extent, especially in the Central Indian River Lagoon extent. For more details on the original boundaries, MS4 stakeholder boundaries and where the expansion took place, please review the Task 1 Technical Memorandum Report.

### 3.2 Land Use Land Cover

The SWIL model used two years of land use land cover datasets, the year 2000 (applicable to all modeled months between January 1995 and December 2002) and the year 2004 (applicable to months between January 2003 and December 2010). The land use layers were developed by incorporating datasets from multiple sources, assigning specific priorities to each of these, and finally incorporating stakeholder comments. The general workflow, for each of the years, was the following:

- Property Appraiser (PA) records, spatial files and associated lookup tables or databases were obtained from Brevard, Indian River, and Volusia Counties, and land use codes were converted to FLUCCS land use/land cover codes
- In areas classified by the PA as urban (residential, commercial, industrial, and institutional), the land use/land cover data used this dataset as top priority
- In natural areas within Brevard County, the Brevard County the Natural Communities Inventory (see the Task 1 Technical Memorandum Report for more details), where available, superseded any other available information for the land use layer development
- Finally, for areas outside of Brevard County that have no natural area inventories, the SJRWMD land use layer was used in non-urban areas; for the 2000 layer, the SJRWMD 1999 land use/land cover layer was used, and for 2004 the corresponding SJRWMD layer was used.

This methodology allowed the best datasets to be used, when available (such as the field validated Brevard County Natural Areas Inventory), and still produce a dataset that covers a large areal extent without gaps, a requirement to run the SWIL model. No aerial photointerpretation or ground validation was performed on the land use layers used in the SWIL model due to both budget and time constraints during the development phase.

### 3.3 Soils

For every soil type classification there is an associated infiltration characteristic called the hydro group which is a key component in determining appropriate runoff coefficients “C”. Runoff coefficients are critical variables for the development of an accurate watershed loading model.

Accordingly, significant effort was taken to obtain and analyze all available soil layers for the three Counties. The most complete coverage was obtained from the NRCS (formerly the U.S. Soil Conservation Service) which had been extensively updated in 2010. Environmental Research and Design, Inc. (ERD) modified the NRCS 2010 soil layer to provide hydrogroups for all soils classified as "U" or urban. Original soil hydrotype, prior to having been urbanized is necessary to attribute the correct runoff coefficient. ERD used spatial interpolation, as well as other methods, to fill in missing gaps in the hydrogroup identification of the soil type.

In 2014, NRCS released a new version of the soil layer, which has not been incorporated in SWIL 3.0. Changes in soil hydrogroup classification, particularly on the barrier island portion of the model domain, might require the model to be recalibrated, which was not feasible under the time and budget constraints.

### 3.4 Treatments

Developed land with stormwater treatment systems has cleaner water leaving the site than developed land with no treatment system. Private subdivisions and commercial properties constructed after 1986 were required by the SJRWMD to treat their stormwater runoff as a condition of their ERP permit. In addition, Brevard County adopted stormwater treatment requirements and began permit review in 1978. For the SWIL model, a treatment layer with higher spatial accuracy and additional information (treatment type) was developed based on Property Appraiser datasets. For residential property, a subdivision layer was built, and the year of the first house built within it assigned to the subdivision. We assumed that a permit must be in place by no later than the first house built within the subdivision, and private residential subdivisions built after 1986 (1986-2000 for the 2000 treatment layer and 1986-2004 for the 2004 treatment layer) were considered treated. For non-residential individual parcels (commercial or industrial land uses) constructed after 1986, the year of construction was used to capture additional private development treatment data.

In addition to the methods described above, field validated treatment areas were delineated by Whitney Green (from the SJWRMD), provided to AEI and incorporated in the treatment layers. All treatments delineated in AEI's layers were assigned a type, either wet detention or dry retention ponds. Stormwater Solutions, Inc. was involved in assigning and field validating selected treatments for treatment type. The BMP efficiencies for these two are very distinct (see Treatment Efficiencies, Table 2).

### 3.5 Impoundments

After the initial SWIL model had been developed and preliminary runs completed, it became clear that impoundments had to be taken into account in a more spatially and temporally accurate watershed loading model. Impoundment information was difficult to compile, but the Brevard County Natural Resources Management Office was able to delineate the spatial extent of all 206 impoundments within the study area, which cover a total of 40,977 acres. These impoundments are not only managed differently (permanently closed, permanently opened, or rotating between

closed and opened), but some management regimes were updated or changed during the model timeframe. For more information on this please read the section 5 on "Incorporating Impoundments in the Model".

### 3.6 Rainfall

A raster dataset (one raster per month) was obtained from ERD. Each raster covers the entire model extent and was constructed by interpolating best available rainfall gage data distributed across the IRL area. For more details, please review ERD's report (Harper and Baker 2015).

### 3.7 Evapotranspiration

A raster dataset (one raster per month) was obtained from ERD. Each raster covers the entire model extent and was derived from the MODIS (MOD 16) satellite data, more specifically the evapotranspiration product developed by NASA. The resolution of this evapotranspiration product is 1 km and the temporal resolution is one day (daily data). ERD used the NASA source data to create mean daily raster values for every month of the period of interest. In 2014, after SWIL 1.0 and 2.0 had been completed, AEI became aware of the changes in algorithm used by the University of Montana to process MODIS data and produce ET datasets. The newly improved SWIL 3.0 also incorporated the newly released ET raster datasets, which were updated using the newly improved Mu et al's ET algorithm (2011). For more details, please review ERD's report (Harper and Baker 2015).

## 4 **Tabular Reference Numbers: EMCs, C values, and Treatment Reductions**

### 4.1 Land Use Consolidation and EMCs

Land Use/Land Cover are critical to determine runoff volume (the appropriate runoff coefficient or C value) and the loadings (depending on both the volume and the appropriate event mean concentration). The land use layers developed were based on the FLUCCS classification, which corresponded to 193 categories used within the SWIL model area. Since not enough information is available to generate individual C values and EMCs for all these land use types, the original categories had to be consolidated into more manageable ones. ERD provided the consolidated categories (a total of 28 land use types) for which EMC values were compiled and collected, and a look-up table was generated to perform the conversion (Appendix A).

The event mean concentrations of TN and TP for all 28 consolidated/simplified land use types were provided by ERD (Appendix B).

#### 4.2 Monthly C values

Runoff coefficients are a function of land use and soil hydrogroup. Using the simplified land use categories described above, ERD provided lookup tables for C values for every calendar month (January through December) of the year (Appendices C.1 through C.12). C values are higher during wet season months (June-September) and lower during typical dry season months (October-May).

#### 4.3 Treatment Reductions

Areas designated as treatment (residential or commercial) received a reduction in volumes, TN loading and TP loading based on the type of treatment present. ERD provided the recommended BMP Efficiencies for use in the Indian River Lagoon TMDL Evaluation (Table 2, Harper and Baker, 2015). The reduction in volume was 75% for dry retention and 20% for wet detention. The loadings were reduced by 75% in TN and 75% in TP for dry retention, and 36% in TN and 62% in TP for wet detention. Reduction in volumes and nutrient loadings (TN and TP) were performed independently in SWIL 3.0, in order to achieve the total reductions specified in Table 2.

Table 2. Recommended BMP Efficiencies for Use in the Indian River Lagoon TMDL Evaluation (Harper and Baker 2015).

| Time Period                                               | BMP Type                  | Assumed Annual Mass/Volume Removal (% of total) |              |              | Assumptions                                                                                                                                                                        | Reference                            |
|-----------------------------------------------------------|---------------------------|-------------------------------------------------|--------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
|                                                           |                           | Runoff Volume                                   | Total N Mass | Total P Mass |                                                                                                                                                                                    |                                      |
| Prior to Implementation of Impaired Water Design Criteria | Dry Retention (Dry Ponds) | 75                                              | 75           | 75           | Assumes that dry ponds are primarily dry detention designed to SJRWMD rules. Efficiencies reflect water volume which is infiltrated into the ground.                               | Harper and Baker (2007) <sup>1</sup> |
|                                                           | Wet Detention (Wet Ponds) | 20                                              | 36           | 62           | Based on relationships between removal eff. and detention time. Assume that ponds are designed with a 14 day wet season detention time, equivalent to 22 day annual detention time | Harper and Baker (2007) <sup>1</sup> |

<sup>1</sup> "Performance Efficiency Evaluation of Stormwater Management Systems in Florida", Harper and Baker, 2007

Note: Total Runoff Volume reductions should be independently calculated from mass load (TN and TP) reductions.

## 5 **Incorporating Impoundments in the Model**

The extent of impounded area, especially in the Northern IRL, made it critical to understand the exact location and the management regime of these areas. A total of 206 impoundments were captured in the SWIL model (corresponding to almost 41,000 acres), which were classified as one of three types: "NO CHANGE" (open impoundment), "NO DISCHARGE" (closed impoundment year-round), and "ROTATIONAL" (closed 5 months of the year).

The management regime of the same impoundment changed throughout the years, and the model incorporated this regime change on a year by year basis. The SWIL model component of the direct runoff was the only one altered by the impoundment regime; the baseflow model component ignored the presence of impoundments since baseflow would not be reduced by the existence of surface water detention. In areas of impoundments, the impoundment type guided how the direct runoff would be modified:

- in cases of "NO CHANGE", the impoundment used to historically exist, but is left open year-round, and no modification of the direct runoff calculation takes place
- for "NO DISCHARGE" types of impoundments, the direct runoff for those areas within that year is zeroed out
- in the case of "ROTATIONAL", a little more complex operation had to take place: during the months of May through September, the direct runoff was zeroed out; in October, the monthly direct runoff for the month of October is added to the accumulated volume and loads (from the May through September months) and discharged; in the remaining months, November through April, the normal monthly runoff is calculated (as a "NO CHANGE" type impoundment).

Specific impoundment list (some have associated names) and the management regime of each of these impoundments for every year between 1995 and 2010 are included in Appendices D and E.1-E.16.

## 6 **References**

Adkins, M., Mao, M., Taulor, M., Green, W., Basci, C., Bergman, M., and Smith, D. 2004. Watershed Model Development for the Indian River Lagoon Basin: Providing Simulated Runoff and Pollution Load to the Indian River Lagoon Pollution Load Reduction Model. Technical Memorandum 50, St. Johns River Water Management District, Palatka, Fla.

Bergman, M., and L. Donnangelo. 1995. Development of HSPF hydrologic simulation models for the Fellsmere Water Control District-East. Technical Memorandum 10, St. Johns River Water Management District, Palatka, Fla.

Bergman, M., and L. Donnangelo. 1996a. Development of HSPF hydrologic simulation models for the South Prong drainage basin of the Sebastian River. Technical Memorandum 15, St. Johns River Water Management District, Palatka, Fla.

Bergman, M., and L. Donnangelo. 1996b. Development of HSPF hydrologic simulation models for the North Prong drainage basin of the Sebastian River. Technical Memorandum 18, St. Johns River Water Management District, Palatka, Fla.

Bergman, M., and L. Donnangelo. 1998. Simulation of freshwater discharges to the Sebastian River using regional parameters. Technical Memorandum 25, St. Johns River Water Management District, Palatka, Fla.

Bergman, M., L. Donnangelo, and W. Green. 2001. Simulation of sediment, phosphorus, and nitrogen storm loads in the South Prong watershed of the Sebastian River, Florida, using HSPF/BASINS. Technical Memorandum 43, St. Johns River Water Management District, Palatka, Fla.

Gao, Xueqing. 2009. TMDL Report. Nutrient and Dissolved Oxygen TMDLs for the Indian River Lagoon and Banana River Lagoon. Florida Department of Environmental Protection.

Harper, H.H. and Baker, D.M. 2007. Evaluation of Current Stormwater Design Criteria within the State of Florida. Final Report submitted to the Florida Department of Environmental Protection for Agreement SO108.

Harper, H.H. and Baker, D.M. 2015. Refining the Indian River Lagoon TMDL, Technical Memorandum Report: Assessment and Evaluation of Model Input Parameters. Final Report submitted to Brevard County Natural Resources.

Mu, Qiaozhen, Maosheng Zhao, and Steven W. Running. "Improvements to a MODIS global terrestrial evapotranspiration algorithm." *Remote Sensing of Environment* 115.8 (2011): 1781-1800.

*Appendix A: Land Use Consolidation Table*

| <b>Land_Use_Description</b>                                                        | <b>Consolidation_Description</b> | <b>ConsolidationID</b> | <b>LCCode</b> |
|------------------------------------------------------------------------------------|----------------------------------|------------------------|---------------|
| Feeding Operations                                                                 | Agriculture                      | 1                      | 2300          |
| Cattle Feeding Operations                                                          | Agriculture                      | 1                      | 2310          |
| Poultry feeding operations                                                         | Agriculture                      | 1                      | 2320          |
| Other feeding operations                                                           | Agriculture                      | 1                      | 2340          |
| Nurseries and Vineyards                                                            | Agriculture                      | 1                      | 2400          |
| Tree nurseries                                                                     | Agriculture                      | 1                      | 2410          |
| Sod farms                                                                          | Agriculture                      | 1                      | 2420          |
| Ornamentals                                                                        | Agriculture                      | 1                      | 2430          |
| Shade ferns                                                                        | Agriculture                      | 1                      | 2431          |
| Hammock ferns                                                                      | Agriculture                      | 1                      | 2432          |
| Floriculture                                                                       | Agriculture                      | 1                      | 2450          |
| Specialty Farms                                                                    | Agriculture                      | 1                      | 2500          |
| Horse Farms                                                                        | Agriculture                      | 1                      | 2510          |
| Dairies                                                                            | Agriculture                      | 1                      | 2520          |
| Other Specialty Farms                                                              | Agriculture                      | 1                      | 2590          |
| Tree Crops                                                                         | Citrus                           | 2                      | 2200          |
| Citrus groves                                                                      | Citrus                           | 2                      | 2210          |
| Fruit Orchards                                                                     | Citrus                           | 2                      | 2220          |
| Commercial and Services                                                            | Commercial                       | 3                      | 1400          |
| Retail Sales and Services                                                          | Commercial                       | 3                      | 1410          |
| Wholesale Sales and Services <Excluding warehouses associated with industrial use> | Commercial                       | 3                      | 1420          |
| Professional Services                                                              | Commercial                       | 3                      | 1430          |
| Cultural and Entertainment                                                         | Commercial                       | 3                      | 1440          |
| Tourist Services                                                                   | Commercial                       | 3                      | 1450          |
| Mixed Commercial and Services                                                      | Commercial                       | 3                      | 1470          |
| Commercial and Services Under Construction                                         | Commercial                       | 3                      | 1490          |
| Bus and truck terminals                                                            | Commercial                       | 3                      | 8130          |

| Land_Use_Description                                                                  | Consolidation_Description | ConsolidationID | LCCode |
|---------------------------------------------------------------------------------------|---------------------------|-----------------|--------|
| Port facilities                                                                       | Commercial                | 3               | 8150   |
| Canals and Locks                                                                      | Commercial                | 3               | 8160   |
| Auto parking facilities - when not directly related to other land uses                | Commercial                | 3               | 8180   |
| Herbaceous Dry Prairie                                                                | Dry Prairie               | 4               | 3100   |
| Palmetto Prairies                                                                     | Dry Prairie               | 4               | 3210   |
| Palmetto-Oak Shrubland                                                                | Dry Prairie               | 4               | 3211   |
| Dry Prairie                                                                           | Dry Prairie               | 4               | 3212   |
| Coastal Strand                                                                        | Dry Prairie               | 4               | 3220   |
| Mixed Rangeland                                                                       | Dry Prairie               | 4               | 3300   |
| Residential, High Density                                                             | High Density Residential  | 5               | 1300   |
| Fixed Single Family Units                                                             | High Density Residential  | 5               | 1310   |
| Residential, High density; Multiple Dwelling Units, Low Rise <Two stories or less>    | High Density Residential  | 5               | 1330   |
| Residential, High density; Multiple Dwelling Units, High Rise <Three stories or more> | High Density Residential  | 5               | 1340   |
| Residential, High density; Mixed Units <Fixed and mobile Homes>                       | High Density Residential  | 5               | 1350   |
| High Density Under Construction                                                       | High Density Residential  | 5               | 1390   |
| Cabbage palm hammock                                                                  | Hydric Hammock            | 6               | 6181   |
| Cabbage palm savannah                                                                 | Hydric Hammock            | 6               | 6182   |
| Oil and Gas Storage(except industrial use or manufacturing)                           | Industrial                | 7               | 1460   |
| Industrial Under Construction                                                         | Industrial                | 7               | 1500   |
| Food Processing                                                                       | Industrial                | 7               | 1510   |
| Timber Processing                                                                     | Industrial                | 7               | 1520   |
| Mineral Processing                                                                    | Industrial                | 7               | 1530   |
| Oil and Gas Processing                                                                | Industrial                | 7               | 1540   |
| Other Light Industrial                                                                | Industrial                | 7               | 1550   |
| Other Heavy Industrial                                                                | Industrial                | 7               | 1560   |
| Ship Building and Repair                                                              | Industrial                | 7               | 1561   |
| Prestressed concrete plants                                                           | Industrial                | 7               | 1562   |
| Industrial Under Construction                                                         | Industrial                | 7               | 1590   |
| Aquaculture                                                                           | Industrial                | 7               | 2540   |

| Land_Use_Description                                                   | Consolidation_Description  | ConsolidationID | LCCode |
|------------------------------------------------------------------------|----------------------------|-----------------|--------|
| Communications                                                         | Industrial                 | 7               | 8200   |
| Communication Facilities                                               | Industrial                 | 7               | 8220   |
| Utilities                                                              | Industrial                 | 7               | 8300   |
| Electrical power facilities                                            | Industrial                 | 7               | 8310   |
| Water supply plants                                                    | Industrial                 | 7               | 8330   |
| Sewage Treatment                                                       | Industrial                 | 7               | 8340   |
| Solid waste disposal                                                   | Industrial                 | 7               | 8350   |
| Other treatment ponds                                                  | Industrial                 | 7               | 8360   |
| Utilities under construction                                           | Industrial                 | 7               | 8390   |
| Institutional (Educational, religious, health and military facilities) | Institutional              | 8               | 1700   |
| Educational Facilities                                                 | Institutional              | 8               | 1710   |
| Religious                                                              | Institutional              | 8               | 1720   |
| Military                                                               | Institutional              | 8               | 1730   |
| Medical and Health Care                                                | Institutional              | 8               | 1740   |
| Governmental                                                           | Institutional              | 8               | 1750   |
| Other Institutional                                                    | Institutional              | 8               | 1770   |
| Commercial Child Care                                                  | Institutional              | 8               | 1780   |
| Institutional Under Construction                                       | Institutional              | 8               | 1790   |
| Airports                                                               | Institutional              | 8               | 8110   |
| Residential, Low Density-Less than two dwelling units/acre             | Low Density Residential    | 9               | 1100   |
| Fixed Single Family Units                                              | Low Density Residential    | 9               | 1110   |
| Residential, Rural < or = 0.5 dwelling units/acre                      | Low Density Residential    | 9               | 1180   |
| Low Density Under Construction                                         | Low Density Residential    | 9               | 1190   |
| Residential, Medium Density-Two-five dwelling units per acre           | Medium Density Residential | 10              | 1200   |
| Fixed Single Family Units                                              | Medium Density Residential | 10              | 1210   |
| Medium Density Under Construction                                      | Medium Density Residential | 10              | 1290   |
| Hydric pine flatwoods                                                  | Mesic Flatwoods            | 11              | 6250   |

| Land_Use_Description                                                      | Consolidation_Description | ConsolidationID | LCCode |
|---------------------------------------------------------------------------|---------------------------|-----------------|--------|
| Extractive                                                                | Mining                    | 12              | 1600   |
| Strip Mines                                                               | Mining                    | 12              | 1610   |
| Clays                                                                     | Mining                    | 12              | 1611   |
| Sand and Gravel Pits                                                      | Mining                    | 12              | 1620   |
| Limerock or dolomite quarries                                             | Mining                    | 12              | 1632   |
| Phosphate quarries                                                        | Mining                    | 12              | 1633   |
| Reclaimed Land                                                            | Mining                    | 12              | 1650   |
| Holding Ponds                                                             | Mining                    | 12              | 1660   |
| Mobile Home Units                                                         | High Density Residential  | 5               | 1320   |
| Swimming Beach                                                            | Open                      | 13              | 1810   |
| Open Land                                                                 | Open                      | 13              | 1900   |
| Inactive Land with street patterns but without structures                 | Open                      | 13              | 1920   |
| Other Open Lands – Rural                                                  | Open                      | 13              | 2600   |
| Fallow cropland                                                           | Open                      | 13              | 2610   |
| Beaches other than swimming beaches                                       | Open                      | 13              | 7100   |
| Sand other than beaches                                                   | Open                      | 13              | 7200   |
| Exposed rocks                                                             | Open                      | 13              | 7340   |
| Disturbed land                                                            | Open                      | 13              | 7400   |
| Rural land in transition without positive indicators of intended activity | Open                      | 13              | 7410   |
| Spoil areas                                                               | Open                      | 13              | 7430   |
| Railroads                                                                 | Open                      | 13              | 8120   |
| Electrical power transmission lines                                       | Open                      | 13              | 8320   |
| (blank)                                                                   | Open                      | 13              | 9999   |
| Improved Pasture                                                          | Pasture                   | 14              | 2110   |
| Unimproved Pastures                                                       | Pasture                   | 14              | 2120   |
| Woodland Pasture                                                          | Pasture                   | 14              | 2130   |
| Cemeteries                                                                | Recreational 1            | 15              | 1480   |
| Recreational                                                              | Recreational 1            | 15              | 1800   |
| Golf Course                                                               | Recreational 1            | 15              | 1820   |
| Marinas and Fish Camps                                                    | Recreational 1            | 15              | 1840   |

| <b>Land_Use_Description</b>                                            | <b>Consolidation_Description</b> | <b>ConsolidationID</b> | <b>LCCode</b> |
|------------------------------------------------------------------------|----------------------------------|------------------------|---------------|
| Grass Airports                                                         | Recreational 1                   | 15                     | 8115          |
| Race Tracks(horse, dog, car, motorcycle)                               | Recreational 2                   | 16                     | 1830          |
| Parks and Zoos                                                         | Recreational 2                   | 16                     | 1850          |
| Community Recreational Facilities                                      | Recreational 2                   | 16                     | 1860          |
| Stadiums (not associated with high schools, colleges, or universities) | Recreational 2                   | 16                     | 1870          |
| Other Recreational(Riding stables, go-cart tracks, skeet ranges, etc)  | Recreational 2                   | 16                     | 1890          |
| Row Crops                                                              | Row Crops                        | 17                     | 2140          |
| Field Crops                                                            | Row Crops                        | 17                     | 2150          |
| Mixed Crops                                                            | Row Crops                        | 17                     | 2160          |
| Abandoned tree crops                                                   | Ruderal                          | 18                     | 2240          |
| Brazilian Pepper                                                       | Ruderal                          | 18                     | 4220          |
| Forest regeneration                                                    | Ruderal                          | 18                     | 4430          |
| Shrub and Brushland                                                    | Scrub                            | 19                     | 3200          |
| Sand pine                                                              | Scrub                            | 19                     | 4130          |
| Transportation                                                         | Transportation                   | 20                     | 8100          |
| Roads and Highways                                                     | Transportation                   | 20                     | 8140          |
| Highways                                                               | Transportation                   | 20                     | 8191          |
| Mesic longleaf pine flatwoods                                          | Upland Flatwoods                 | 21                     | 4111          |
| Scrubby Pine flatwoods                                                 | Upland Flatwoods                 | 21                     | 4112          |
| Upland Hardwood Forest                                                 | Upland Flatwoods                 | 21                     | 4200          |
| Hardwood Conifer Mixed                                                 | Upland Flatwoods                 | 21                     | 4340          |
| Longleaf pine - xeric oak                                              | Upland Mixed                     | 22                     | 4120          |
| Upland Mixed Forest                                                    | Upland Mixed                     | 22                     | 4140          |
| Maritime Hammock                                                       | Upland Mixed                     | 22                     | 4270          |
| Coastal Temperate Hammock                                              | Upland Mixed                     | 22                     | 4271          |
| Prairie Hammock                                                        | Upland Mixed                     | 22                     | 4272          |
| Red Cedar- Cabbage Palm Hammock                                        | Upland Mixed                     | 22                     | 4275          |
| Upland Hardwood Forests Continued                                      | Upland Mixed                     | 22                     | 4300          |
| Tree Plantations                                                       | Upland Mixed                     | 22                     | 4400          |
| Spoil islands/coastal islands                                          | Spoil Islands                    | 28                     | 5474          |

| Land_Use_Description                             | Consolidation_Description | ConsolidationID | LCCode |
|--------------------------------------------------|---------------------------|-----------------|--------|
| Streams and waterways                            | Water                     | 23              | 5100   |
| Channelized waterways, canals                    | Water                     | 23              | 5120   |
| Lakes                                            | Water                     | 23              | 5200   |
| Pond                                             | Water                     | 23              | 5201   |
| Marshy Lakes                                     | Water                     | 23              | 5250   |
| Reservoirs                                       | Water                     | 23              | 5300   |
| Reservoirs larger >10 <100 acres                 | water                     | 23              | 5330   |
| Bays and estuaries                               | Water                     | 23              | 5400   |
| Embayments opening directly to the Gulf or Ocean | Water                     | 23              | 5410   |
| Enclosed saltwater ponds within a salt marsh     | Water                     | 23              | 5430   |
| Major Springs                                    | Water                     | 23              | 5500   |
| Slough Waters                                    | water                     | 23              | 5600   |
| Atlantic Ocean                                   | Water                     | 23              | 5710   |
| Borrow areas                                     | Water                     | 23              | 7420   |
| Surface Water Collection Basin                   | Water                     | 23              | 8370   |
| Pine flatwoods                                   | Wet Flatwoods             | 24              | 4110   |
| Hydric pine flatwoods                            | Wet Flatwoods             | 24              | 4113   |
| Tropical Hardwood Hammock                        | Wet Flatwoods             | 24              | 4260   |
| Cabbage palm                                     | Wet Flatwoods             | 24              | 4280   |
| Mixed Shrubs                                     | Wet Prairies              | 25              | 6172   |
| Wet prairies                                     | Wet Prairies              | 25              | 6430   |
| Bay swamps                                       | Wetland                   | 26              | 6110   |
| Mangrove swamp                                   | Wetland                   | 26              | 6120   |
| Lowland Hardwood Forest/Swamp                    | Wetland                   | 26              | 6150   |
| Willow Swamp                                     | Wetland                   | 26              | 6151   |
| Red Maple Swamp                                  | Wetland                   | 26              | 6152   |
| Shrub Swamp                                      | Wetland                   | 26              | 6153   |
| Mixed wetland hardwoods                          | Wetland                   | 26              | 6170   |
| Cypress                                          | Wetland                   | 26              | 6210   |
| Pond pine                                        | Wetland                   | 26              | 6220   |

| Land_Use_Description        | Consolidation_Description | ConsolidationID | LCCode |
|-----------------------------|---------------------------|-----------------|--------|
| Wetland Forested Mixed      | Wetland                   | 26              | 6300   |
| Freshwater marshes          | Wetland                   | 26              | 6400   |
| Freshwater marshes          | Wetland                   | 26              | 6410   |
| Sawgrass marsh              | Wetland                   | 26              | 6411   |
| Cattail marsh               | Wetland                   | 26              | 6412   |
| Graminoid marsh             | Wetland                   | 26              | 6414   |
| Flag marsh                  | Wetland                   | 26              | 6416   |
| Saltwater marshes           | Wetland                   | 26              | 6420   |
| Low salt marsh              | Wetland                   | 26              | 6423   |
| High salt marsh             | Wetland                   | 26              | 6424   |
| Emergent aquatic vegetation | Wetland                   | 26              | 6440   |
| Mixed scrub-shrub wetland   | Wetland                   | 26              | 6460   |
| Non-vegetated Wetland       | Wetland                   | 26              | 6500   |
| Tidal creek                 | Wetland                   | 26              | 6510   |
| Xeric oak                   | Xeric Hammock             | 27              | 4210   |
| Xeric Oak Scrub             | Xeric Hammock             | 27              | 4321   |
| Xeric Hammock               | Xeric Hammock             | 27              | 4322   |
| Australian pine             | Xeric Hammock             | 27              | 4370   |
| Coniferous pine             | Xeric Hammock             | 27              | 4410   |
| Wetland Coniferous Forest   | Wetland                   | 26              | 6200   |

## *Appendix B: EMC Table*

| Consolidated_Land_Use         | Imperv | DCIA | NC_TN       | NC_TP       | ConsolidatedID |
|-------------------------------|--------|------|-------------|-------------|----------------|
| Wetland                       | 0      | 0    | 1.5         | 0.1         | 26             |
| Medium Density Residential    | 30     | 20   | 1.873232035 | 0.300651999 | 10             |
| Scrub                         | 0      | 0    | 1.16        | 0.096       | 19             |
| Citrus                        | 0      | 0    | 2.07        | 0.152       | 2              |
| Pasture                       | 0      | 0    | 3.3         | 0.621       | 14             |
| Wet Flatwoods                 | 0      | 0    | 1.18        | 0.015       | 24             |
| Upland Flatwoods              | 0      | 0    | 1           | 0.034       | 21             |
| Low Density Residential       | 15     | 0    | 1.51        | 0.178       | 9              |
| Dry Prairie                   | 0      | 0    | 1.95        | 0.107       | 4              |
| Water                         | 100    | 100  | 0           | 0           | 23             |
| Institutional                 | 20     | 10   | 1.51        | 0.178       | 8              |
| High Density Residential      | 50     | 30   | 2.101705704 | 0.497304738 | 5              |
| Open                          | 0      | 0    | 1.15        | 0.055       | 13             |
| Commercial                    | 80     | 60   | 1.635       | 0.2135      | 3              |
| Xeric Hammock                 | 0      | 0    | 1.32        | 2.82        | 27             |
| Wet Prairies                  | 0      | 0    | 0.78        | 0.009       | 25             |
| Hydric Hammock                | 0      | 0    | 1.07        | 0.026       | 6              |
| Recreational 1 - Golf Courses | 5      | 0    | 1.873232035 | 0.300651999 | 15             |
| Transportation                | 50     | 30   | 1.37        | 0.167       | 20             |
| Industrial                    | 30     | 10   | 1.19        | 0.213       | 7              |
| Recreational 2 - Parks, etc.  | 20     | 10   | 1.51        | 0.178       | 16             |
| Agriculture                   | 5      | 0    | 2.61        | 0.485       | 1              |
| Ruderal                       | 0      | 0    | 1.32        | 0.347       | 18             |
| Mesic Flatwoods               | 0      | 0    | 1           | 0.034       | 11             |
| Mining                        | 0      | 0    | 1.18        | 0.15        | 12             |
| Row Crops                     | 0      | 0    | 2.46        | 0.489       | 17             |
| Upland Mixed Forest           | 0      | 0    | 0.68        | 2.29        | 22             |
| Spoil Islands                 | 0      | 0    | 0.68        | 2.29        | 28             |

*Appendix C.1: C Value Table - January*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.002003973 |
| 1           | A/D     | 1A/D      | 0.103906509 |
| 1           | B       | 1B        | 0.026087671 |
| 1           | B/D     | 1B/D      | 0.103906509 |
| 1           | C       | 1C        | 0.067509337 |
| 1           | C/D     | 1C/D      | 0.103906509 |
| 1           | D       | 1D        | 0.103906509 |
| 1           | W       | 1W        | 0.103906509 |
| 2           | A       | 2A        | 0.000187608 |
| 2           | A/D     | 2A/D      | 0.089940864 |
| 2           | B       | 2B        | 0.016832958 |
| 2           | B/D     | 2B/D      | 0.089940864 |
| 2           | C       | 2C        | 0.053898017 |
| 2           | C/D     | 2C/D      | 0.089940864 |
| 2           | D       | 2D        | 0.089940864 |
| 2           | W       | 2W        | 0.089940864 |
| 3           | A       | 3A        | 0.480437353 |
| 3           | A/D     | 3A/D      | 0.480437353 |
| 3           | B       | 3B        | 0.501136471 |
| 3           | B/D     | 3B/D      | 0.501136471 |
| 3           | C       | 3C        | 0.526213357 |
| 3           | C/D     | 3C/D      | 0.526213357 |
| 3           | D       | 3D        | 0.544151447 |
| 3           | W       | 3W        | 0.544151447 |
| 4           | A       | 4A        | 0.000364293 |
| 4           | A/D     | 4A/D      | 0.078134797 |
| 4           | B       | 4B        | 0.013723073 |
| 4           | B/D     | 4B/D      | 0.078134797 |
| 4           | C       | 4C        | 0.045610874 |
| 4           | C/D     | 4C/D      | 0.078134797 |
| 4           | D       | 4D        | 0.078134797 |
| 4           | W       | 4W        | 0.078134797 |
| 5           | A       | 5A        | 0.241440416 |
| 5           | A/D     | 5A/D      | 0.241440416 |
| 5           | B       | 5B        | 0.268475299 |
| 5           | B/D     | 5B/D      | 0.268475299 |
| 5           | C       | 5C        | 0.304455562 |
| 5           | C/D     | 5C/D      | 0.304455562 |
| 5           | D       | 5D        | 0.331929931 |
| 5           | W       | 5W        | 0.331929931 |
| 6           | A       | 6A        | 0.17102565  |
| 6           | A/D     | 6A/D      | 0.17102565  |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.17102565  |
| 6           | B/D     | 6B/D      | 0.17102565  |
| 6           | C       | 6C        | 0.17102565  |
| 6           | C/D     | 6C/D      | 0.17102565  |
| 6           | D       | 6D        | 0.17102565  |
| 6           | W       | 6W        | 0.17102565  |
| 7           | A       | 7A        | 0.085487749 |
| 7           | A/D     | 7A/D      | 0.085487749 |
| 7           | B       | 7B        | 0.116295438 |
| 7           | B/D     | 7B/D      | 0.116295438 |
| 7           | C       | 7C        | 0.160047607 |
| 7           | C/D     | 7C/D      | 0.160047607 |
| 7           | D       | 7D        | 0.195839876 |
| 7           | W       | 7W        | 0.195839876 |
| 8           | A       | 8A        | 0.080603504 |
| 8           | A/D     | 8A/D      | 0.080603504 |
| 8           | B       | 8B        | 0.105278592 |
| 8           | B/D     | 8B/D      | 0.105278592 |
| 8           | C       | 8C        | 0.145880327 |
| 8           | C/D     | 8C/D      | 0.145880327 |
| 8           | D       | 8D        | 0.179714651 |
| 8           | W       | 8W        | 0.179714651 |
| 9           | A       | 9A        | 0.005268006 |
| 9           | A/D     | 9A/D      | 0.005268006 |
| 9           | B       | 9B        | 0.035338409 |
| 9           | B/D     | 9B/D      | 0.035338409 |
| 9           | C       | 9C        | 0.081676617 |
| 9           | C/D     | 9C/D      | 0.081676617 |
| 9           | D       | 9D        | 0.120031734 |
| 9           | W       | 9W        | 0.120031734 |
| 10          | A       | 10A       | 0.163319925 |
| 10          | A/D     | 10A/D     | 0.163319925 |
| 10          | B       | 10B       | 0.191977253 |
| 10          | B/D     | 10B/D     | 0.191977253 |
| 10          | C       | 10C       | 0.231334957 |
| 10          | C/D     | 10C/D     | 0.231334957 |
| 10          | D       | 10D       | 0.263585406 |
| 10          | W       | 10W       | 0.263585406 |
| 11          | A       | 11A       | 0.000533863 |
| 11          | A/D     | 11A/D     | 0.089940864 |
| 11          | B       | 11B       | 0.019942843 |
| 11          | B/D     | 11B/D     | 0.089940864 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.058041588 |
| 11          | C/D     | 11C/D     | 0.089940864 |
| 11          | D       | 11D       | 0.089940864 |
| 11          | W       | 11W       | 0.089940864 |
| 12          | A       | 12A       | 0.001042573 |
| 12          | A/D     | 12A/D     | 0.095843897 |
| 12          | B       | 12B       | 0.022098923 |
| 12          | B/D     | 12B/D     | 0.095843897 |
| 12          | C       | 12C       | 0.062185159 |
| 12          | C/D     | 12C/D     | 0.095843897 |
| 12          | D       | 12D       | 0.095843897 |
| 12          | W       | 12W       | 0.095843897 |
| 13          | A       | 13A       | 0.001042573 |
| 13          | A/D     | 13A/D     | 0.095843897 |
| 13          | B       | 13B       | 0.022098923 |
| 13          | B/D     | 13B/D     | 0.095843897 |
| 13          | C       | 13C       | 0.062185159 |
| 13          | C/D     | 13C/D     | 0.095843897 |
| 13          | D       | 13D       | 0.095843897 |
| 13          | W       | 13W       | 0.095843897 |
| 14          | A       | 14A       | 0.001042573 |
| 14          | A/D     | 14A/D     | 0.095843897 |
| 14          | B       | 14B       | 0.022098923 |
| 14          | B/D     | 14B/D     | 0.095843897 |
| 14          | C       | 14C       | 0.062185159 |
| 14          | C/D     | 14C/D     | 0.095843897 |
| 14          | D       | 14D       | 0.095843897 |
| 14          | W       | 14W       | 0.095843897 |
| 15          | A       | 15A       | 0.002003973 |
| 15          | A/D     | 15A/D     | 0.103906509 |
| 15          | B       | 15B       | 0.026087671 |
| 15          | B/D     | 15B/D     | 0.103906509 |
| 15          | C       | 15C       | 0.067509337 |
| 15          | C/D     | 15C/D     | 0.103906509 |
| 15          | D       | 15D       | 0.103906509 |
| 15          | W       | 15W       | 0.103906509 |
| 16          | A       | 16A       | 0.080603504 |
| 16          | A/D     | 16A/D     | 0.179714651 |
| 16          | B       | 16B       | 0.105278592 |
| 16          | B/D     | 16B/D     | 0.179714651 |
| 16          | C       | 16C       | 0.145880327 |
| 16          | C/D     | 16C/D     | 0.179714651 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.179714651 |
| 16          | W       | 16W       | 0.179714651 |
| 17          | A       | 17A       | 0.036678296 |
| 17          | A/D     | 17A/D     | 0.200429821 |
| 17          | B       | 17B       | 0.08403783  |
| 17          | B/D     | 17B/D     | 0.200429821 |
| 17          | C       | 17C       | 0.140636187 |
| 17          | C/D     | 17C/D     | 0.200429821 |
| 17          | D       | 17D       | 0.200429821 |
| 17          | W       | 17W       | 0.200429821 |
| 18          | A       | 18A       | 0.003242476 |
| 18          | A/D     | 18A/D     | 0.122719271 |
| 18          | B       | 18B       | 0.03370077  |
| 18          | B/D     | 18B/D     | 0.122719271 |
| 18          | C       | 18C       | 0.078134797 |
| 18          | C/D     | 18C/D     | 0.122719271 |
| 18          | D       | 18D       | 0.122719271 |
| 18          | W       | 18W       | 0.122719271 |
| 19          | A       | 19A       | 0.000364293 |
| 19          | A/D     | 19A/D     | 0.078134797 |
| 19          | B       | 19B       | 0.013723073 |
| 19          | B/D     | 19B/D     | 0.078134797 |
| 19          | C       | 19C       | 0.045610874 |
| 19          | C/D     | 19C/D     | 0.078134797 |
| 19          | D       | 19D       | 0.078134797 |
| 19          | W       | 19W       | 0.078134797 |
| 20          | A       | 20A       | 0.241440416 |
| 20          | A/D     | 20A/D     | 0.241440416 |
| 20          | B       | 20B       | 0.268475299 |
| 20          | B/D     | 20B/D     | 0.268475299 |
| 20          | C       | 20C       | 0.304455562 |
| 20          | C/D     | 20C/D     | 0.304455562 |
| 20          | D       | 20D       | 0.331929931 |
| 20          | W       | 20W       | 0.331929931 |
| 21          | A       | 21A       | 0.000533863 |
| 21          | A/D     | 21A/D     | 0.089940864 |
| 21          | B       | 21B       | 0.019942843 |
| 21          | B/D     | 21B/D     | 0.089940864 |
| 21          | C       | 21C       | 0.058041588 |
| 21          | C/D     | 21C/D     | 0.089940864 |
| 21          | D       | 21D       | 0.089940864 |
| 21          | W       | 21W       | 0.089940864 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.089940864 |
| 22          | A/D     | 22A/D     | 0.089940864 |
| 22          | B       | 22B       | 0.089940864 |
| 22          | B/D     | 22B/D     | 0.089940864 |
| 22          | C       | 22C       | 0.089940864 |
| 22          | C/D     | 22C/D     | 0.089940864 |
| 22          | D       | 22D       | 0.089940864 |
| 22          | W       | 22W       | 0.089940864 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.17102565  |
| 24          | A/D     | 24A/D     | 0.17102565  |
| 24          | B       | 24B       | 0.17102565  |
| 24          | B/D     | 24B/D     | 0.17102565  |
| 24          | C       | 24C       | 0.17102565  |
| 24          | C/D     | 24C/D     | 0.17102565  |
| 24          | D       | 24D       | 0.17102565  |
| 24          | W       | 24W       | 0.17102565  |
| 25          | A       | 25A       | 0.159800829 |
| 25          | A/D     | 25A/D     | 0.159800829 |
| 25          | B       | 25B       | 0.159800829 |
| 25          | B/D     | 25B/D     | 0.159800829 |
| 25          | C       | 25C       | 0.159800829 |
| 25          | C/D     | 25C/D     | 0.159800829 |
| 25          | D       | 25D       | 0.159800829 |
| 25          | W       | 25W       | 0.159800829 |
| 26          | A       | 26A       | 0.17102565  |
| 26          | A/D     | 26A/D     | 0.17102565  |
| 26          | B       | 26B       | 0.17102565  |
| 26          | B/D     | 26B/D     | 0.17102565  |
| 26          | C       | 26C       | 0.17102565  |
| 26          | C/D     | 26C/D     | 0.17102565  |
| 26          | D       | 26D       | 0.17102565  |
| 26          | W       | 26W       | 0.17102565  |
| 27          | A       | 27A       | 0.000533863 |
| 27          | A/D     | 27A/D     | 0.000533863 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.000533863 |
| 27          | B/D     | 27B/D     | 0.000533863 |
| 27          | C       | 27C       | 0.000533863 |
| 27          | C/D     | 27C/D     | 0.000533863 |
| 27          | D       | 27D       | 0.000533863 |
| 27          | W       | 27W       | 0.000533863 |
| 28          | A       | 28A       | 0.089940864 |
| 28          | A/D     | 28A/D     | 0.089940864 |
| 28          | B       | 28B       | 0.089940864 |
| 28          | B/D     | 28B/D     | 0.089940864 |
| 28          | C       | 28C       | 0.089940864 |
| 28          | C/D     | 28C/D     | 0.089940864 |
| 28          | D       | 28D       | 0.089940864 |
| 28          | W       | 28W       | 0.089940864 |

### *Appendix C.2: C Value Table - February*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.0045377   |
| 1           | A/D     | 1A/D      | 0.096372602 |
| 1           | B       | 1B        | 0.024452979 |
| 1           | B/D     | 1B/D      | 0.096372602 |
| 1           | C       | 1C        | 0.060351873 |
| 1           | C/D     | 1C/D      | 0.096372602 |
| 1           | D       | 1D        | 0.096372602 |
| 1           | W       | 1W        | 0.096372602 |
| 2           | A       | 2A        | 0.00116762  |
| 2           | A/D     | 2A/D      | 0.082155307 |
| 2           | B       | 2B        | 0.017142768 |
| 2           | B/D     | 2B/D      | 0.082155307 |
| 2           | C       | 2C        | 0.048078915 |
| 2           | C/D     | 2C/D      | 0.082155307 |
| 2           | D       | 2D        | 0.082155307 |
| 2           | W       | 2W        | 0.082155307 |
| 3           | A       | 3A        | 0.49692773  |
| 3           | A/D     | 3A/D      | 0.49692773  |
| 3           | B       | 3B        | 0.516173343 |
| 3           | B/D     | 3B/D      | 0.516173343 |
| 3           | C       | 3C        | 0.542773865 |
| 3           | C/D     | 3C/D      | 0.542773865 |
| 3           | D       | 3D        | 0.562602455 |
| 3           | W       | 3W        | 0.562602455 |
| 4           | A       | 4A        | 0.001813131 |
| 4           | A/D     | 4A/D      | 0.070679816 |
| 4           | B       | 4B        | 0.014741063 |
| 4           | B/D     | 4B/D      | 0.070679816 |
| 4           | C       | 4C        | 0.040661975 |
| 4           | C/D     | 4C/D      | 0.070679816 |
| 4           | D       | 4D        | 0.070679816 |
| 4           | W       | 4W        | 0.070679816 |
| 5           | A       | 5A        | 0.251280494 |
| 5           | A/D     | 5A/D      | 0.251280494 |
| 5           | B       | 5B        | 0.273624535 |
| 5           | B/D     | 5B/D      | 0.273624535 |
| 5           | C       | 5C        | 0.308260005 |
| 5           | C/D     | 5C/D      | 0.308260005 |
| 5           | D       | 5D        | 0.33723538  |
| 5           | W       | 5W        | 0.33723538  |
| 6           | A       | 6A        | 0.156221146 |
| 6           | A/D     | 6A/D      | 0.156221146 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.156221146 |
| 6           | B/D     | 6B/D      | 0.156221146 |
| 6           | C       | 6C        | 0.156221146 |
| 6           | C/D     | 6C/D      | 0.156221146 |
| 6           | D       | 6D        | 0.156221146 |
| 6           | W       | 6W        | 0.156221146 |
| 7           | A       | 7A        | 0.090337554 |
| 7           | A/D     | 7A/D      | 0.090337554 |
| 7           | B       | 7B        | 0.115205537 |
| 7           | B/D     | 7B/D      | 0.115205537 |
| 7           | C       | 7C        | 0.156021712 |
| 7           | C/D     | 7C/D      | 0.156021712 |
| 7           | D       | 7D        | 0.193382557 |
| 7           | W       | 7W        | 0.193382557 |
| 8           | A       | 8A        | 0.086118231 |
| 8           | A/D     | 8A/D      | 0.086118231 |
| 8           | B       | 8B        | 0.105951033 |
| 8           | B/D     | 8B/D      | 0.105951033 |
| 8           | C       | 8C        | 0.142251122 |
| 8           | C/D     | 8C/D      | 0.142251122 |
| 8           | D       | 8D        | 0.176423458 |
| 8           | W       | 8W        | 0.176423458 |
| 9           | A       | 9A        | 0.007891539 |
| 9           | A/D     | 9A/D      | 0.007891539 |
| 9           | B       | 9B        | 0.032032775 |
| 9           | B/D     | 9B/D      | 0.032032775 |
| 9           | C       | 9C        | 0.074122463 |
| 9           | C/D     | 9C/D      | 0.074122463 |
| 9           | D       | 9D        | 0.113331701 |
| 9           | W       | 9W        | 0.113331701 |
| 10          | A       | 10A       | 0.170703682 |
| 10          | A/D     | 10A/D     | 0.170703682 |
| 10          | B       | 10B       | 0.193992497 |
| 10          | B/D     | 10B/D     | 0.193992497 |
| 10          | C       | 10C       | 0.231035666 |
| 10          | C/D     | 10C/D     | 0.231035666 |
| 10          | D       | 10D       | 0.264953863 |
| 10          | W       | 10W       | 0.264953863 |
| 11          | A       | 11A       | 0.002166515 |
| 11          | A/D     | 11A/D     | 0.082155307 |
| 11          | B       | 11B       | 0.019544472 |
| 11          | B/D     | 11B/D     | 0.082155307 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.051787384 |
| 11          | C/D     | 11C/D     | 0.082155307 |
| 11          | D       | 11D       | 0.082155307 |
| 11          | W       | 11W       | 0.082155307 |
| 12          | A       | 12A       | 0.003226665 |
| 12          | A/D     | 12A/D     | 0.087893053 |
| 12          | B       | 12B       | 0.021266755 |
| 12          | B/D     | 12B/D     | 0.087893053 |
| 12          | C       | 12C       | 0.055495854 |
| 12          | C/D     | 12C/D     | 0.087893053 |
| 12          | D       | 12D       | 0.087893053 |
| 12          | W       | 12W       | 0.087893053 |
| 13          | A       | 13A       | 0.003226665 |
| 13          | A/D     | 13A/D     | 0.087893053 |
| 13          | B       | 13B       | 0.021266755 |
| 13          | B/D     | 13B/D     | 0.087893053 |
| 13          | C       | 13C       | 0.055495854 |
| 13          | C/D     | 13C/D     | 0.087893053 |
| 13          | D       | 13D       | 0.087893053 |
| 13          | W       | 13W       | 0.087893053 |
| 14          | A       | 14A       | 0.003226665 |
| 14          | A/D     | 14A/D     | 0.087893053 |
| 14          | B       | 14B       | 0.021266755 |
| 14          | B/D     | 14B/D     | 0.087893053 |
| 14          | C       | 14C       | 0.055495854 |
| 14          | C/D     | 14C/D     | 0.087893053 |
| 14          | D       | 14D       | 0.087893053 |
| 14          | W       | 14W       | 0.087893053 |
| 15          | A       | 15A       | 0.0045377   |
| 15          | A/D     | 15A/D     | 0.096372602 |
| 15          | B       | 15B       | 0.024452979 |
| 15          | B/D     | 15B/D     | 0.096372602 |
| 15          | C       | 15C       | 0.060351873 |
| 15          | C/D     | 15C/D     | 0.096372602 |
| 15          | D       | 15D       | 0.096372602 |
| 15          | W       | 15W       | 0.096372602 |
| 16          | A       | 16A       | 0.086118231 |
| 16          | A/D     | 16A/D     | 0.176423458 |
| 16          | B       | 16B       | 0.105951033 |
| 16          | B/D     | 16B/D     | 0.176423458 |
| 16          | C       | 16C       | 0.142251122 |
| 16          | C/D     | 16C/D     | 0.176423458 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.176423458 |
| 16          | W       | 16W       | 0.176423458 |
| 17          | A       | 17A       | 0.033158323 |
| 17          | A/D     | 17A/D     | 0.201096961 |
| 17          | B       | 17B       | 0.076417561 |
| 17          | B/D     | 17B/D     | 0.201096961 |
| 17          | C       | 17C       | 0.135001661 |
| 17          | C/D     | 17C/D     | 0.201096961 |
| 17          | D       | 17D       | 0.201096961 |
| 17          | W       | 17W       | 0.201096961 |
| 18          | A       | 18A       | 0.006035567 |
| 18          | A/D     | 18A/D     | 0.116158217 |
| 18          | B       | 18B       | 0.030657105 |
| 18          | B/D     | 18B/D     | 0.116158217 |
| 18          | C       | 18C       | 0.070679816 |
| 18          | C/D     | 18C/D     | 0.116158217 |
| 18          | D       | 18D       | 0.116158217 |
| 18          | W       | 18W       | 0.116158217 |
| 19          | A       | 19A       | 0.001813131 |
| 19          | A/D     | 19A/D     | 0.070679816 |
| 19          | B       | 19B       | 0.014741063 |
| 19          | B/D     | 19B/D     | 0.070679816 |
| 19          | C       | 19C       | 0.040661975 |
| 19          | C/D     | 19C/D     | 0.070679816 |
| 19          | D       | 19D       | 0.070679816 |
| 19          | W       | 19W       | 0.070679816 |
| 20          | A       | 20A       | 0.251280494 |
| 20          | A/D     | 20A/D     | 0.251280494 |
| 20          | B       | 20B       | 0.273624535 |
| 20          | B/D     | 20B/D     | 0.273624535 |
| 20          | C       | 20C       | 0.308260005 |
| 20          | C/D     | 20C/D     | 0.308260005 |
| 20          | D       | 20D       | 0.33723538  |
| 20          | W       | 20W       | 0.33723538  |
| 21          | A       | 21A       | 0.002166515 |
| 21          | A/D     | 21A/D     | 0.082155307 |
| 21          | B       | 21B       | 0.019544472 |
| 21          | B/D     | 21B/D     | 0.082155307 |
| 21          | C       | 21C       | 0.051787384 |
| 21          | C/D     | 21C/D     | 0.082155307 |
| 21          | D       | 21D       | 0.082155307 |
| 21          | W       | 21W       | 0.082155307 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.082155307 |
| 22          | A/D     | 22A/D     | 0.082155307 |
| 22          | B       | 22B       | 0.082155307 |
| 22          | B/D     | 22B/D     | 0.082155307 |
| 22          | C       | 22C       | 0.082155307 |
| 22          | C/D     | 22C/D     | 0.082155307 |
| 22          | D       | 22D       | 0.082155307 |
| 22          | W       | 22W       | 0.082155307 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.156221146 |
| 24          | A/D     | 24A/D     | 0.156221146 |
| 24          | B       | 24B       | 0.156221146 |
| 24          | B/D     | 24B/D     | 0.156221146 |
| 24          | C       | 24C       | 0.156221146 |
| 24          | C/D     | 24C/D     | 0.156221146 |
| 24          | D       | 24D       | 0.156221146 |
| 24          | W       | 24W       | 0.156221146 |
| 25          | A       | 25A       | 0.145310625 |
| 25          | A/D     | 25A/D     | 0.145310625 |
| 25          | B       | 25B       | 0.145310625 |
| 25          | B/D     | 25B/D     | 0.145310625 |
| 25          | C       | 25C       | 0.145310625 |
| 25          | C/D     | 25C/D     | 0.145310625 |
| 25          | D       | 25D       | 0.145310625 |
| 25          | W       | 25W       | 0.145310625 |
| 26          | A       | 26A       | 0.156221146 |
| 26          | A/D     | 26A/D     | 0.156221146 |
| 26          | B       | 26B       | 0.156221146 |
| 26          | B/D     | 26B/D     | 0.156221146 |
| 26          | C       | 26C       | 0.156221146 |
| 26          | C/D     | 26C/D     | 0.156221146 |
| 26          | D       | 26D       | 0.156221146 |
| 26          | W       | 26W       | 0.156221146 |
| 27          | A       | 27A       | 0.002166515 |
| 27          | A/D     | 27A/D     | 0.002166515 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.002166515 |
| 27          | B/D     | 27B/D     | 0.002166515 |
| 27          | C       | 27C       | 0.002166515 |
| 27          | C/D     | 27C/D     | 0.002166515 |
| 27          | D       | 27D       | 0.002166515 |
| 27          | W       | 27W       | 0.002166515 |
| 28          | A       | 28A       | 0.082155307 |
| 28          | A/D     | 28A/D     | 0.082155307 |
| 28          | B       | 28B       | 0.082155307 |
| 28          | B/D     | 28B/D     | 0.082155307 |
| 28          | C       | 28C       | 0.082155307 |
| 28          | C/D     | 28C/D     | 0.082155307 |
| 28          | D       | 28D       | 0.082155307 |
| 28          | W       | 28W       | 0.082155307 |

*Appendix C.3: C Value Table - March*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.008817769 |
| 1           | A/D     | 1A/D      | 0.094605391 |
| 1           | B       | 1B        | 0.030300612 |
| 1           | B/D     | 1B/D      | 0.094605391 |
| 1           | C       | 1C        | 0.062438045 |
| 1           | C/D     | 1C/D      | 0.094605391 |
| 1           | D       | 1D        | 0.094605391 |
| 1           | W       | 1W        | 0.094605391 |
| 2           | A       | 2A        | 0.004224318 |
| 2           | A/D     | 2A/D      | 0.081815197 |
| 2           | B       | 2B        | 0.02298136  |
| 2           | B/D     | 2B/D      | 0.081815197 |
| 2           | C       | 2C        | 0.051642511 |
| 2           | C/D     | 2C/D      | 0.081815197 |
| 2           | D       | 2D        | 0.081815197 |
| 2           | W       | 2W        | 0.081815197 |
| 3           | A       | 3A        | 0.51026961  |
| 3           | A/D     | 3A/D      | 0.51026961  |
| 3           | B       | 3B        | 0.527312057 |
| 3           | B/D     | 3B/D      | 0.527312057 |
| 3           | C       | 3C        | 0.551700977 |
| 3           | C/D     | 3C/D      | 0.551700977 |
| 3           | D       | 3D        | 0.570535233 |
| 3           | W       | 3W        | 0.570535233 |
| 4           | A       | 4A        | 0.005328583 |
| 4           | A/D     | 4A/D      | 0.071616696 |
| 4           | B       | 4B        | 0.020437518 |
| 4           | B/D     | 4B/D      | 0.071616696 |
| 4           | C       | 4C        | 0.045125388 |
| 4           | C/D     | 4C/D      | 0.071616696 |
| 4           | D       | 4D        | 0.071616696 |
| 4           | W       | 4W        | 0.071616696 |
| 5           | A       | 5A        | 0.260962135 |
| 5           | A/D     | 5A/D      | 0.260962135 |
| 5           | B       | 5B        | 0.281955253 |
| 5           | B/D     | 5B/D      | 0.281955253 |
| 5           | C       | 5C        | 0.312750473 |
| 5           | C/D     | 5C/D      | 0.312750473 |
| 5           | D       | 5D        | 0.339101921 |
| 5           | W       | 5W        | 0.339101921 |
| 6           | A       | 6A        | 0.155574415 |
| 6           | A/D     | 6A/D      | 0.155574415 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.155574415 |
| 6           | B/D     | 6B/D      | 0.155574415 |
| 6           | C       | 6C        | 0.155574415 |
| 6           | C/D     | 6C/D      | 0.155574415 |
| 6           | D       | 6D        | 0.155574415 |
| 6           | W       | 6W        | 0.155574415 |
| 7           | A       | 7A        | 0.097024617 |
| 7           | A/D     | 7A/D      | 0.097024617 |
| 7           | B       | 7B        | 0.121302752 |
| 7           | B/D     | 7B/D      | 0.121302752 |
| 7           | C       | 7C        | 0.157424474 |
| 7           | C/D     | 7C/D      | 0.157424474 |
| 7           | D       | 7D        | 0.191247796 |
| 7           | W       | 7W        | 0.191247796 |
| 8           | A       | 8A        | 0.09221458  |
| 8           | A/D     | 8A/D      | 0.09221458  |
| 8           | B       | 8B        | 0.11299827  |
| 8           | B/D     | 8B/D      | 0.11299827  |
| 8           | C       | 8C        | 0.145186273 |
| 8           | C/D     | 8C/D      | 0.145186273 |
| 8           | D       | 8D        | 0.17586591  |
| 8           | W       | 8W        | 0.17586591  |
| 9           | A       | 9A        | 0.012776759 |
| 9           | A/D     | 9A/D      | 0.012776759 |
| 9           | B       | 9B        | 0.03738202  |
| 9           | B/D     | 9B/D      | 0.03738202  |
| 9           | C       | 9C        | 0.074676246 |
| 9           | C/D     | 9C/D      | 0.074676246 |
| 9           | D       | 9D        | 0.109987277 |
| 9           | W       | 9W        | 0.109987277 |
| 10          | A       | 10A       | 0.178898582 |
| 10          | A/D     | 10A/D     | 0.178898582 |
| 10          | B       | 10B       | 0.201274066 |
| 10          | B/D     | 10B/D     | 0.201274066 |
| 10          | C       | 10C       | 0.234053601 |
| 10          | C/D     | 10C/D     | 0.234053601 |
| 10          | D       | 10D       | 0.264817373 |
| 10          | W       | 10W       | 0.264817373 |
| 11          | A       | 11A       | 0.005792939 |
| 11          | A/D     | 11A/D     | 0.081815197 |
| 11          | B       | 11B       | 0.025525201 |
| 11          | B/D     | 11B/D     | 0.081815197 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.054901072 |
| 11          | C/D     | 11C/D     | 0.081815197 |
| 11          | D       | 11D       | 0.081815197 |
| 11          | W       | 11W       | 0.081815197 |
| 12          | A       | 12A       | 0.007186007 |
| 12          | A/D     | 12A/D     | 0.086914448 |
| 12          | B       | 12B       | 0.027200784 |
| 12          | B/D     | 12B/D     | 0.086914448 |
| 12          | C       | 12C       | 0.058159634 |
| 12          | C/D     | 12C/D     | 0.086914448 |
| 12          | D       | 12D       | 0.086914448 |
| 12          | W       | 12W       | 0.086914448 |
| 13          | A       | 13A       | 0.007186007 |
| 13          | A/D     | 13A/D     | 0.086914448 |
| 13          | B       | 13B       | 0.027200784 |
| 13          | B/D     | 13B/D     | 0.086914448 |
| 13          | C       | 13C       | 0.058159634 |
| 13          | C/D     | 13C/D     | 0.086914448 |
| 13          | D       | 13D       | 0.086914448 |
| 13          | W       | 13W       | 0.086914448 |
| 14          | A       | 14A       | 0.007186007 |
| 14          | A/D     | 14A/D     | 0.086914448 |
| 14          | B       | 14B       | 0.027200784 |
| 14          | B/D     | 14B/D     | 0.086914448 |
| 14          | C       | 14C       | 0.058159634 |
| 14          | C/D     | 14C/D     | 0.086914448 |
| 14          | D       | 14D       | 0.086914448 |
| 14          | W       | 14W       | 0.086914448 |
| 15          | A       | 15A       | 0.008817769 |
| 15          | A/D     | 15A/D     | 0.094605391 |
| 15          | B       | 15B       | 0.030300612 |
| 15          | B/D     | 15B/D     | 0.094605391 |
| 15          | C       | 15C       | 0.062438045 |
| 15          | C/D     | 15C/D     | 0.094605391 |
| 15          | D       | 15D       | 0.094605391 |
| 15          | W       | 15W       | 0.094605391 |
| 16          | A       | 16A       | 0.09221458  |
| 16          | A/D     | 16A/D     | 0.17586591  |
| 16          | B       | 16B       | 0.11299827  |
| 16          | B/D     | 16B/D     | 0.17586591  |
| 16          | C       | 16C       | 0.145186273 |
| 16          | C/D     | 16C/D     | 0.17586591  |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.17586591  |
| 16          | W       | 16W       | 0.17586591  |
| 17          | A       | 17A       | 0.038392024 |
| 17          | A/D     | 17A/D     | 0.192422763 |
| 17          | B       | 17B       | 0.076715947 |
| 17          | B/D     | 17B/D     | 0.192422763 |
| 17          | C       | 17C       | 0.129641909 |
| 17          | C/D     | 17C/D     | 0.192422763 |
| 17          | D       | 17D       | 0.192422763 |
| 17          | W       | 17W       | 0.192422763 |
| 18          | A       | 18A       | 0.010643711 |
| 18          | A/D     | 18A/D     | 0.112550924 |
| 18          | B       | 18B       | 0.036147569 |
| 18          | B/D     | 18B/D     | 0.112550924 |
| 18          | C       | 18C       | 0.071616696 |
| 18          | C/D     | 18C/D     | 0.112550924 |
| 18          | D       | 18D       | 0.112550924 |
| 18          | W       | 18W       | 0.112550924 |
| 19          | A       | 19A       | 0.005328583 |
| 19          | A/D     | 19A/D     | 0.071616696 |
| 19          | B       | 19B       | 0.020437518 |
| 19          | B/D     | 19B/D     | 0.071616696 |
| 19          | C       | 19C       | 0.045125388 |
| 19          | C/D     | 19C/D     | 0.071616696 |
| 19          | D       | 19D       | 0.071616696 |
| 19          | W       | 19W       | 0.071616696 |
| 20          | A       | 20A       | 0.260962135 |
| 20          | A/D     | 20A/D     | 0.260962135 |
| 20          | B       | 20B       | 0.281955253 |
| 20          | B/D     | 20B/D     | 0.281955253 |
| 20          | C       | 20C       | 0.312750473 |
| 20          | C/D     | 20C/D     | 0.312750473 |
| 20          | D       | 20D       | 0.339101921 |
| 20          | W       | 20W       | 0.339101921 |
| 21          | A       | 21A       | 0.005792939 |
| 21          | A/D     | 21A/D     | 0.081815197 |
| 21          | B       | 21B       | 0.025525201 |
| 21          | B/D     | 21B/D     | 0.081815197 |
| 21          | C       | 21C       | 0.054901072 |
| 21          | C/D     | 21C/D     | 0.081815197 |
| 21          | D       | 21D       | 0.081815197 |
| 21          | W       | 21W       | 0.081815197 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.081815197 |
| 22          | A/D     | 22A/D     | 0.081815197 |
| 22          | B       | 22B       | 0.081815197 |
| 22          | B/D     | 22B/D     | 0.081815197 |
| 22          | C       | 22C       | 0.081815197 |
| 22          | C/D     | 22C/D     | 0.081815197 |
| 22          | D       | 22D       | 0.081815197 |
| 22          | W       | 22W       | 0.081815197 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.155574415 |
| 24          | A/D     | 24A/D     | 0.155574415 |
| 24          | B       | 24B       | 0.155574415 |
| 24          | B/D     | 24B/D     | 0.155574415 |
| 24          | C       | 24C       | 0.155574415 |
| 24          | C/D     | 24C/D     | 0.155574415 |
| 24          | D       | 24D       | 0.155574415 |
| 24          | W       | 24W       | 0.155574415 |
| 25          | A       | 25A       | 0.145878015 |
| 25          | A/D     | 25A/D     | 0.145878015 |
| 25          | B       | 25B       | 0.145878015 |
| 25          | B/D     | 25B/D     | 0.145878015 |
| 25          | C       | 25C       | 0.145878015 |
| 25          | C/D     | 25C/D     | 0.145878015 |
| 25          | D       | 25D       | 0.145878015 |
| 25          | W       | 25W       | 0.145878015 |
| 26          | A       | 26A       | 0.155574415 |
| 26          | A/D     | 26A/D     | 0.155574415 |
| 26          | B       | 26B       | 0.155574415 |
| 26          | B/D     | 26B/D     | 0.155574415 |
| 26          | C       | 26C       | 0.155574415 |
| 26          | C/D     | 26C/D     | 0.155574415 |
| 26          | D       | 26D       | 0.155574415 |
| 26          | W       | 26W       | 0.155574415 |
| 27          | A       | 27A       | 0.005792939 |
| 27          | A/D     | 27A/D     | 0.005792939 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.005792939 |
| 27          | B/D     | 27B/D     | 0.005792939 |
| 27          | C       | 27C       | 0.005792939 |
| 27          | C/D     | 27C/D     | 0.005792939 |
| 27          | D       | 27D       | 0.005792939 |
| 27          | W       | 27W       | 0.005792939 |
| 28          | A       | 28A       | 0.081815197 |
| 28          | A/D     | 28A/D     | 0.081815197 |
| 28          | B       | 28B       | 0.081815197 |
| 28          | B/D     | 28B/D     | 0.081815197 |
| 28          | C       | 28C       | 0.081815197 |
| 28          | C/D     | 28C/D     | 0.081815197 |
| 28          | D       | 28D       | 0.081815197 |
| 28          | W       | 28W       | 0.081815197 |

### *Appendix C.4: C Value Table - April*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.001311696 |
| 1           | A/D     | 1A/D      | 0.063427896 |
| 1           | B       | 1B        | 0.010852937 |
| 1           | B/D     | 1B/D      | 0.063427896 |
| 1           | C       | 1C        | 0.035345285 |
| 1           | C/D     | 1C/D      | 0.063427896 |
| 1           | D       | 1D        | 0.063427896 |
| 1           | W       | 1W        | 0.063427896 |
| 2           | A       | 2A        | 0.00019003  |
| 2           | A/D     | 2A/D      | 0.052077044 |
| 2           | B       | 2B        | 0.006612388 |
| 2           | B/D     | 2B/D      | 0.052077044 |
| 2           | C       | 2C        | 0.026599907 |
| 2           | C/D     | 2C/D      | 0.052077044 |
| 2           | D       | 2D        | 0.052077044 |
| 2           | W       | 2W        | 0.052077044 |
| 3           | A       | 3A        | 0.488612103 |
| 3           | A/D     | 3A/D      | 0.488612103 |
| 3           | B       | 3B        | 0.502769889 |
| 3           | B/D     | 3B/D      | 0.502769889 |
| 3           | C       | 3C        | 0.524957432 |
| 3           | C/D     | 3C/D      | 0.524957432 |
| 3           | D       | 3D        | 0.542559823 |
| 3           | W       | 3W        | 0.542559823 |
| 4           | A       | 4A        | 0.000390449 |
| 4           | A/D     | 4A/D      | 0.043270855 |
| 4           | B       | 4B        | 0.005369994 |
| 4           | B/D     | 4B/D      | 0.043270855 |
| 4           | C       | 4C        | 0.021356734 |
| 4           | C/D     | 4C/D      | 0.043270855 |
| 4           | D       | 4D        | 0.043270855 |
| 4           | W       | 4W        | 0.043270855 |
| 5           | A       | 5A        | 0.244226103 |
| 5           | A/D     | 5A/D      | 0.244226103 |
| 5           | B       | 5B        | 0.258362685 |
| 5           | B/D     | 5B/D      | 0.258362685 |
| 5           | C       | 5C        | 0.284697161 |
| 5           | C/D     | 5C/D      | 0.284697161 |
| 5           | D       | 5D        | 0.308551245 |
| 5           | W       | 5W        | 0.308551245 |
| 6           | A       | 6A        | 0.099026292 |
| 6           | A/D     | 6A/D      | 0.099026292 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.099026292 |
| 6           | B/D     | 6B/D      | 0.099026292 |
| 6           | C       | 6C        | 0.099026292 |
| 6           | C/D     | 6C/D      | 0.099026292 |
| 6           | D       | 6D        | 0.099026292 |
| 6           | W       | 6W        | 0.099026292 |
| 7           | A       | 7A        | 0.083562849 |
| 7           | A/D     | 7A/D      | 0.083562849 |
| 7           | B       | 7B        | 0.098243585 |
| 7           | B/D     | 7B/D      | 0.098243585 |
| 7           | C       | 7C        | 0.128366677 |
| 7           | C/D     | 7C/D      | 0.128366677 |
| 7           | D       | 7D        | 0.158799563 |
| 7           | W       | 7W        | 0.158799563 |
| 8           | A       | 8A        | 0.081949306 |
| 8           | A/D     | 8A/D      | 0.081949306 |
| 8           | B       | 8B        | 0.092144482 |
| 8           | B/D     | 8B/D      | 0.092144482 |
| 8           | C       | 8C        | 0.11779925  |
| 8           | C/D     | 8C/D      | 0.11779925  |
| 8           | D       | 8D        | 0.144904048 |
| 8           | W       | 8W        | 0.144904048 |
| 9           | A       | 9A        | 0.002523421 |
| 9           | A/D     | 9A/D      | 0.002523421 |
| 9           | B       | 9B        | 0.015669733 |
| 9           | B/D     | 9B/D      | 0.015669733 |
| 9           | C       | 9C        | 0.045912711 |
| 9           | C/D     | 9C/D      | 0.045912711 |
| 9           | D       | 9D        | 0.07732341  |
| 9           | W       | 9W        | 0.07732341  |
| 10          | A       | 10A       | 0.163810518 |
| 10          | A/D     | 10A/D     | 0.163810518 |
| 10          | B       | 10B       | 0.177962522 |
| 10          | B/D     | 10B/D     | 0.177962522 |
| 10          | C       | 10C       | 0.205536928 |
| 10          | C/D     | 10C/D     | 0.205536928 |
| 10          | D       | 10D       | 0.233327957 |
| 10          | W       | 10W       | 0.233327957 |
| 11          | A       | 11A       | 0.000507675 |
| 11          | A/D     | 11A/D     | 0.052077044 |
| 11          | B       | 11B       | 0.007854781 |
| 11          | B/D     | 11B/D     | 0.052077044 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.029221493 |
| 11          | C/D     | 11C/D     | 0.052077044 |
| 11          | D       | 11D       | 0.052077044 |
| 11          | W       | 11W       | 0.052077044 |
| 12          | A       | 12A       | 0.000859351 |
| 12          | A/D     | 12A/D     | 0.056480138 |
| 12          | B       | 12B       | 0.008906766 |
| 12          | B/D     | 12B/D     | 0.056480138 |
| 12          | C       | 12C       | 0.031843079 |
| 12          | C/D     | 12C/D     | 0.056480138 |
| 12          | D       | 12D       | 0.056480138 |
| 12          | W       | 12W       | 0.056480138 |
| 13          | A       | 13A       | 0.000859351 |
| 13          | A/D     | 13A/D     | 0.056480138 |
| 13          | B       | 13B       | 0.008906766 |
| 13          | B/D     | 13B/D     | 0.056480138 |
| 13          | C       | 13C       | 0.031843079 |
| 13          | C/D     | 13C/D     | 0.056480138 |
| 13          | D       | 13D       | 0.056480138 |
| 13          | W       | 13W       | 0.056480138 |
| 14          | A       | 14A       | 0.000859351 |
| 14          | A/D     | 14A/D     | 0.056480138 |
| 14          | B       | 14B       | 0.008906766 |
| 14          | B/D     | 14B/D     | 0.056480138 |
| 14          | C       | 14C       | 0.031843079 |
| 14          | C/D     | 14C/D     | 0.056480138 |
| 14          | D       | 14D       | 0.056480138 |
| 14          | W       | 14W       | 0.056480138 |
| 15          | A       | 15A       | 0.001311696 |
| 15          | A/D     | 15A/D     | 0.063427896 |
| 15          | B       | 15B       | 0.010852937 |
| 15          | B/D     | 15B/D     | 0.063427896 |
| 15          | C       | 15C       | 0.035345285 |
| 15          | C/D     | 15C/D     | 0.063427896 |
| 15          | D       | 15D       | 0.063427896 |
| 15          | W       | 15W       | 0.063427896 |
| 16          | A       | 16A       | 0.081949306 |
| 16          | A/D     | 16A/D     | 0.144904048 |
| 16          | B       | 16B       | 0.092144482 |
| 16          | B/D     | 16B/D     | 0.144904048 |
| 16          | C       | 16C       | 0.11779925  |
| 16          | C/D     | 16C/D     | 0.144904048 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.144904048 |
| 16          | W       | 16W       | 0.144904048 |
| 17          | A       | 17A       | 0.016411516 |
| 17          | A/D     | 17A/D     | 0.153753426 |
| 17          | B       | 17B       | 0.047673949 |
| 17          | B/D     | 17B/D     | 0.153753426 |
| 17          | C       | 17C       | 0.09507879  |
| 17          | C/D     | 17C/D     | 0.153753426 |
| 17          | D       | 17D       | 0.153753426 |
| 17          | W       | 17W       | 0.153753426 |
| 18          | A       | 18A       | 0.001835858 |
| 18          | A/D     | 18A/D     | 0.079639329 |
| 18          | B       | 18B       | 0.014763109 |
| 18          | B/D     | 18B/D     | 0.079639329 |
| 18          | C       | 18C       | 0.043270855 |
| 18          | C/D     | 18C/D     | 0.079639329 |
| 18          | D       | 18D       | 0.079639329 |
| 18          | W       | 18W       | 0.079639329 |
| 19          | A       | 19A       | 0.000390449 |
| 19          | A/D     | 19A/D     | 0.043270855 |
| 19          | B       | 19B       | 0.005369994 |
| 19          | B/D     | 19B/D     | 0.043270855 |
| 19          | C       | 19C       | 0.021356734 |
| 19          | C/D     | 19C/D     | 0.043270855 |
| 19          | D       | 19D       | 0.043270855 |
| 19          | W       | 19W       | 0.043270855 |
| 20          | A       | 20A       | 0.244226103 |
| 20          | A/D     | 20A/D     | 0.244226103 |
| 20          | B       | 20B       | 0.258362685 |
| 20          | B/D     | 20B/D     | 0.258362685 |
| 20          | C       | 20C       | 0.284697161 |
| 20          | C/D     | 20C/D     | 0.284697161 |
| 20          | D       | 20D       | 0.308551245 |
| 20          | W       | 20W       | 0.308551245 |
| 21          | A       | 21A       | 0.000507675 |
| 21          | A/D     | 21A/D     | 0.052077044 |
| 21          | B       | 21B       | 0.007854781 |
| 21          | B/D     | 21B/D     | 0.052077044 |
| 21          | C       | 21C       | 0.029221493 |
| 21          | C/D     | 21C/D     | 0.052077044 |
| 21          | D       | 21D       | 0.052077044 |
| 21          | W       | 21W       | 0.052077044 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.052077044 |
| 22          | A/D     | 22A/D     | 0.052077044 |
| 22          | B       | 22B       | 0.052077044 |
| 22          | B/D     | 22B/D     | 0.052077044 |
| 22          | C       | 22C       | 0.052077044 |
| 22          | C/D     | 22C/D     | 0.052077044 |
| 22          | D       | 22D       | 0.052077044 |
| 22          | W       | 22W       | 0.052077044 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.099026292 |
| 24          | A/D     | 24A/D     | 0.099026292 |
| 24          | B       | 24B       | 0.099026292 |
| 24          | B/D     | 24B/D     | 0.099026292 |
| 24          | C       | 24C       | 0.099026292 |
| 24          | C/D     | 24C/D     | 0.099026292 |
| 24          | D       | 24D       | 0.099026292 |
| 24          | W       | 24W       | 0.099026292 |
| 25          | A       | 25A       | 0.090653657 |
| 25          | A/D     | 25A/D     | 0.090653657 |
| 25          | B       | 25B       | 0.090653657 |
| 25          | B/D     | 25B/D     | 0.090653657 |
| 25          | C       | 25C       | 0.090653657 |
| 25          | C/D     | 25C/D     | 0.090653657 |
| 25          | D       | 25D       | 0.090653657 |
| 25          | W       | 25W       | 0.090653657 |
| 26          | A       | 26A       | 0.099026292 |
| 26          | A/D     | 26A/D     | 0.099026292 |
| 26          | B       | 26B       | 0.099026292 |
| 26          | B/D     | 26B/D     | 0.099026292 |
| 26          | C       | 26C       | 0.099026292 |
| 26          | C/D     | 26C/D     | 0.099026292 |
| 26          | D       | 26D       | 0.099026292 |
| 26          | W       | 26W       | 0.099026292 |
| 27          | A       | 27A       | 0.000507675 |
| 27          | A/D     | 27A/D     | 0.000507675 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.000507675 |
| 27          | B/D     | 27B/D     | 0.000507675 |
| 27          | C       | 27C       | 0.000507675 |
| 27          | C/D     | 27C/D     | 0.000507675 |
| 27          | D       | 27D       | 0.000507675 |
| 27          | W       | 27W       | 0.000507675 |
| 28          | A       | 28A       | 0.052077044 |
| 28          | A/D     | 28A/D     | 0.052077044 |
| 28          | B       | 28B       | 0.052077044 |
| 28          | B/D     | 28B/D     | 0.052077044 |
| 28          | C       | 28C       | 0.052077044 |
| 28          | C/D     | 28C/D     | 0.052077044 |
| 28          | D       | 28D       | 0.052077044 |
| 28          | W       | 28W       | 0.052077044 |

*Appendix C.5: C Value Table - May*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.000381991 |
| 1           | A/D     | 1A/D      | 0.06502411  |
| 1           | B       | 1B        | 0.010854107 |
| 1           | B/D     | 1B/D      | 0.06502411  |
| 1           | C       | 1C        | 0.036364734 |
| 1           | C/D     | 1C/D      | 0.06502411  |
| 1           | D       | 1D        | 0.06502411  |
| 1           | W       | 1W        | 0.06502411  |
| 2           | A       | 2A        | 1.37436E-05 |
| 2           | A/D     | 2A/D      | 0.053510923 |
| 2           | B       | 2B        | 0.006184317 |
| 2           | B/D     | 2B/D      | 0.053510923 |
| 2           | C       | 2C        | 0.027319939 |
| 2           | C/D     | 2C/D      | 0.053510923 |
| 2           | D       | 2D        | 0.053510923 |
| 2           | W       | 2W        | 0.053510923 |
| 3           | A       | 3A        | 0.476906301 |
| 3           | A/D     | 3A/D      | 0.476906301 |
| 3           | B       | 3B        | 0.491489942 |
| 3           | B/D     | 3B/D      | 0.491489942 |
| 3           | C       | 3C        | 0.513683217 |
| 3           | C/D     | 3C/D      | 0.513683217 |
| 3           | D       | 3D        | 0.530882204 |
| 3           | W       | 3W        | 0.530882204 |
| 4           | A       | 4A        | 3.43589E-05 |
| 4           | A/D     | 4A/D      | 0.044486613 |
| 4           | B       | 4B        | 0.004728963 |
| 4           | B/D     | 4B/D      | 0.044486613 |
| 4           | C       | 4C        | 0.021891696 |
| 4           | C/D     | 4C/D      | 0.044486613 |
| 4           | D       | 4D        | 0.044486613 |
| 4           | W       | 4W        | 0.044486613 |
| 5           | A       | 5A        | 0.237829077 |
| 5           | A/D     | 5A/D      | 0.237829077 |
| 5           | B       | 5B        | 0.252901292 |
| 5           | B/D     | 5B/D      | 0.252901292 |
| 5           | C       | 5C        | 0.27987508  |
| 5           | C/D     | 5C/D      | 0.27987508  |
| 5           | D       | 5D        | 0.303867208 |
| 5           | W       | 5W        | 0.303867208 |
| 6           | A       | 6A        | 0.101752864 |
| 6           | A/D     | 6A/D      | 0.101752864 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.101752864 |
| 6           | B/D     | 6B/D      | 0.101752864 |
| 6           | C       | 6C        | 0.101752864 |
| 6           | C/D     | 6C/D      | 0.101752864 |
| 6           | D       | 6D        | 0.101752864 |
| 6           | W       | 6W        | 0.101752864 |
| 7           | A       | 7A        | 0.080650934 |
| 7           | A/D     | 7A/D      | 0.080650934 |
| 7           | B       | 7B        | 0.096693944 |
| 7           | B/D     | 7B/D      | 0.096693944 |
| 7           | C       | 7C        | 0.127710668 |
| 7           | C/D     | 7C/D      | 0.127710668 |
| 7           | D       | 7D        | 0.158422086 |
| 7           | W       | 7W        | 0.158422086 |
| 8           | A       | 8A        | 0.078916068 |
| 8           | A/D     | 8A/D      | 0.078916068 |
| 8           | B       | 8B        | 0.090320574 |
| 8           | B/D     | 8B/D      | 0.090320574 |
| 8           | C       | 8C        | 0.116881496 |
| 8           | C/D     | 8C/D      | 0.116881496 |
| 8           | D       | 8D        | 0.144420023 |
| 8           | W       | 8W        | 0.144420023 |
| 9           | A       | 9A        | 0.001312921 |
| 9           | A/D     | 9A/D      | 0.001312921 |
| 9           | B       | 9B        | 0.015948959 |
| 9           | B/D     | 9B/D      | 0.015948959 |
| 9           | C       | 9C        | 0.047193906 |
| 9           | C/D     | 9C/D      | 0.047193906 |
| 9           | D       | 9D        | 0.079026172 |
| 9           | W       | 9W        | 0.079026172 |
| 10          | A       | 10A       | 0.159154097 |
| 10          | A/D     | 10A/D     | 0.159154097 |
| 10          | B       | 10B       | 0.174450562 |
| 10          | B/D     | 10B/D     | 0.174450562 |
| 10          | C       | 10C       | 0.202812843 |
| 10          | C/D     | 10C/D     | 0.202812843 |
| 10          | D       | 10D       | 0.230816968 |
| 10          | W       | 10W       | 0.230816968 |
| 11          | A       | 11A       | 6.65137E-05 |
| 11          | A/D     | 11A/D     | 0.053510923 |
| 11          | B       | 11B       | 0.00763967  |
| 11          | B/D     | 11B/D     | 0.053510923 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.03003406  |
| 11          | C/D     | 11C/D     | 0.053510923 |
| 11          | D       | 11D       | 0.053510923 |
| 11          | W       | 11W       | 0.053510923 |
| 12          | A       | 12A       | 0.000162978 |
| 12          | A/D     | 12A/D     | 0.058023078 |
| 12          | B       | 12B       | 0.008767543 |
| 12          | B/D     | 12B/D     | 0.058023078 |
| 12          | C       | 12C       | 0.032748181 |
| 12          | C/D     | 12C/D     | 0.058023078 |
| 12          | D       | 12D       | 0.058023078 |
| 12          | W       | 12W       | 0.058023078 |
| 13          | A       | 13A       | 0.000162978 |
| 13          | A/D     | 13A/D     | 0.058023078 |
| 13          | B       | 13B       | 0.008767543 |
| 13          | B/D     | 13B/D     | 0.058023078 |
| 13          | C       | 13C       | 0.032748181 |
| 13          | C/D     | 13C/D     | 0.058023078 |
| 13          | D       | 13D       | 0.058023078 |
| 13          | W       | 13W       | 0.058023078 |
| 14          | A       | 14A       | 0.000162978 |
| 14          | A/D     | 14A/D     | 0.058023078 |
| 14          | B       | 14B       | 0.008767543 |
| 14          | B/D     | 14B/D     | 0.058023078 |
| 14          | C       | 14C       | 0.032748181 |
| 14          | C/D     | 14C/D     | 0.058023078 |
| 14          | D       | 14D       | 0.058023078 |
| 14          | W       | 14W       | 0.058023078 |
| 15          | A       | 15A       | 0.000381991 |
| 15          | A/D     | 15A/D     | 0.06502411  |
| 15          | B       | 15B       | 0.010854107 |
| 15          | B/D     | 15B/D     | 0.06502411  |
| 15          | C       | 15C       | 0.036364734 |
| 15          | C/D     | 15C/D     | 0.06502411  |
| 15          | D       | 15D       | 0.06502411  |
| 15          | W       | 15W       | 0.06502411  |
| 16          | A       | 16A       | 0.078916068 |
| 16          | A/D     | 16A/D     | 0.144420023 |
| 16          | B       | 16B       | 0.090320574 |
| 16          | B/D     | 16B/D     | 0.144420023 |
| 16          | C       | 16C       | 0.116881496 |
| 16          | C/D     | 16C/D     | 0.144420023 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.144420023 |
| 16          | W       | 16W       | 0.144420023 |
| 17          | A       | 17A       | 0.016724098 |
| 17          | A/D     | 17A/D     | 0.154247655 |
| 17          | B       | 17B       | 0.048998768 |
| 17          | B/D     | 17B/D     | 0.154247655 |
| 17          | C       | 17C       | 0.096917697 |
| 17          | C/D     | 17C/D     | 0.154247655 |
| 17          | D       | 17D       | 0.154247655 |
| 17          | W       | 17W       | 0.154247655 |
| 18          | A       | 18A       | 0.000674257 |
| 18          | A/D     | 18A/D     | 0.081359849 |
| 18          | B       | 18B       | 0.015001566 |
| 18          | B/D     | 18B/D     | 0.081359849 |
| 18          | C       | 18C       | 0.044486613 |
| 18          | C/D     | 18C/D     | 0.081359849 |
| 18          | D       | 18D       | 0.081359849 |
| 18          | W       | 18W       | 0.081359849 |
| 19          | A       | 19A       | 3.43589E-05 |
| 19          | A/D     | 19A/D     | 0.044486613 |
| 19          | B       | 19B       | 0.004728963 |
| 19          | B/D     | 19B/D     | 0.044486613 |
| 19          | C       | 19C       | 0.021891696 |
| 19          | C/D     | 19C/D     | 0.044486613 |
| 19          | D       | 19D       | 0.044486613 |
| 19          | W       | 19W       | 0.044486613 |
| 20          | A       | 20A       | 0.237829077 |
| 20          | A/D     | 20A/D     | 0.237829077 |
| 20          | B       | 20B       | 0.252901292 |
| 20          | B/D     | 20B/D     | 0.252901292 |
| 20          | C       | 20C       | 0.27987508  |
| 20          | C/D     | 20C/D     | 0.27987508  |
| 20          | D       | 20D       | 0.303867208 |
| 20          | W       | 20W       | 0.303867208 |
| 21          | A       | 21A       | 6.65137E-05 |
| 21          | A/D     | 21A/D     | 0.053510923 |
| 21          | B       | 21B       | 0.00763967  |
| 21          | B/D     | 21B/D     | 0.053510923 |
| 21          | C       | 21C       | 0.03003406  |
| 21          | C/D     | 21C/D     | 0.053510923 |
| 21          | D       | 21D       | 0.053510923 |
| 21          | W       | 21W       | 0.053510923 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.053510923 |
| 22          | A/D     | 22A/D     | 0.053510923 |
| 22          | B       | 22B       | 0.053510923 |
| 22          | B/D     | 22B/D     | 0.053510923 |
| 22          | C       | 22C       | 0.053510923 |
| 22          | C/D     | 22C/D     | 0.053510923 |
| 22          | D       | 22D       | 0.053510923 |
| 22          | W       | 22W       | 0.053510923 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.101752864 |
| 24          | A/D     | 24A/D     | 0.101752864 |
| 24          | B       | 24B       | 0.101752864 |
| 24          | B/D     | 24B/D     | 0.101752864 |
| 24          | C       | 24C       | 0.101752864 |
| 24          | C/D     | 24C/D     | 0.101752864 |
| 24          | D       | 24D       | 0.101752864 |
| 24          | W       | 24W       | 0.101752864 |
| 25          | A       | 25A       | 0.093172845 |
| 25          | A/D     | 25A/D     | 0.093172845 |
| 25          | B       | 25B       | 0.093172845 |
| 25          | B/D     | 25B/D     | 0.093172845 |
| 25          | C       | 25C       | 0.093172845 |
| 25          | C/D     | 25C/D     | 0.093172845 |
| 25          | D       | 25D       | 0.093172845 |
| 25          | W       | 25W       | 0.093172845 |
| 26          | A       | 26A       | 0.101752864 |
| 26          | A/D     | 26A/D     | 0.101752864 |
| 26          | B       | 26B       | 0.101752864 |
| 26          | B/D     | 26B/D     | 0.101752864 |
| 26          | C       | 26C       | 0.101752864 |
| 26          | C/D     | 26C/D     | 0.101752864 |
| 26          | D       | 26D       | 0.101752864 |
| 26          | W       | 26W       | 0.101752864 |
| 27          | A       | 27A       | 6.65137E-05 |
| 27          | A/D     | 27A/D     | 6.65137E-05 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 6.65137E-05 |
| 27          | B/D     | 27B/D     | 6.65137E-05 |
| 27          | C       | 27C       | 6.65137E-05 |
| 27          | C/D     | 27C/D     | 6.65137E-05 |
| 27          | D       | 27D       | 6.65137E-05 |
| 27          | W       | 27W       | 6.65137E-05 |
| 28          | A       | 28A       | 0.053510923 |
| 28          | A/D     | 28A/D     | 0.053510923 |
| 28          | B       | 28B       | 0.053510923 |
| 28          | B/D     | 28B/D     | 0.053510923 |
| 28          | C       | 28C       | 0.053510923 |
| 28          | C/D     | 28C/D     | 0.053510923 |
| 28          | D       | 28D       | 0.053510923 |
| 28          | W       | 28W       | 0.053510923 |

### *Appendix C.6: C Value Table - June*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.007107222 |
| 1           | A/D     | 1A/D      | 0.134559047 |
| 1           | B       | 1B        | 0.040919775 |
| 1           | B/D     | 1B/D      | 0.134559047 |
| 1           | C       | 1C        | 0.091799711 |
| 1           | C/D     | 1C/D      | 0.134559047 |
| 1           | D       | 1D        | 0.134559047 |
| 1           | W       | 1W        | 0.134559047 |
| 2           | A       | 2A        | 0.002238178 |
| 2           | A/D     | 2A/D      | 0.118284988 |
| 2           | B       | 2B        | 0.028766939 |
| 2           | B/D     | 2B/D      | 0.118284988 |
| 2           | C       | 2C        | 0.075410543 |
| 2           | C/D     | 2C/D      | 0.118284988 |
| 2           | D       | 2D        | 0.118284988 |
| 2           | W       | 2W        | 0.118284988 |
| 3           | A       | 3A        | 0.510309119 |
| 3           | A/D     | 3A/D      | 0.510309119 |
| 3           | B       | 3B        | 0.535071577 |
| 3           | B/D     | 3B/D      | 0.535071577 |
| 3           | C       | 3C        | 0.563871002 |
| 3           | C/D     | 3C/D      | 0.563871002 |
| 3           | D       | 3D        | 0.584059062 |
| 3           | W       | 3W        | 0.584059062 |
| 4           | A       | 4A        | 0.003200378 |
| 4           | A/D     | 4A/D      | 0.104345368 |
| 4           | B       | 4B        | 0.024559626 |
| 4           | B/D     | 4B/D      | 0.104345368 |
| 4           | C       | 4C        | 0.065413739 |
| 4           | C/D     | 4C/D      | 0.104345368 |
| 4           | D       | 4D        | 0.104345368 |
| 4           | W       | 4W        | 0.104345368 |
| 5           | A       | 5A        | 0.260163183 |
| 5           | A/D     | 5A/D      | 0.260163183 |
| 5           | B       | 5B        | 0.29446967  |
| 5           | B/D     | 5B/D      | 0.29446967  |
| 5           | C       | 5C        | 0.337063001 |
| 5           | C/D     | 5C/D      | 0.337063001 |
| 5           | D       | 5D        | 0.368725699 |
| 5           | W       | 5W        | 0.368725699 |
| 6           | A       | 6A        | 0.224922978 |
| 6           | A/D     | 6A/D      | 0.224922978 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.224922978 |
| 6           | B/D     | 6B/D      | 0.224922978 |
| 6           | C       | 6C        | 0.224922978 |
| 6           | C/D     | 6C/D      | 0.224922978 |
| 6           | D       | 6D        | 0.224922978 |
| 6           | W       | 6W        | 0.224922978 |
| 7           | A       | 7A        | 0.097278314 |
| 7           | A/D     | 7A/D      | 0.097278314 |
| 7           | B       | 7B        | 0.137342972 |
| 7           | B/D     | 7B/D      | 0.137342972 |
| 7           | C       | 7C        | 0.189608035 |
| 7           | C/D     | 7C/D      | 0.189608035 |
| 7           | D       | 7D        | 0.231006919 |
| 7           | W       | 7W        | 0.231006919 |
| 8           | A       | 8A        | 0.090024735 |
| 8           | A/D     | 8A/D      | 0.090024735 |
| 8           | B       | 8B        | 0.123652992 |
| 8           | B/D     | 8B/D      | 0.123652992 |
| 8           | C       | 8C        | 0.172880492 |
| 8           | C/D     | 8C/D      | 0.172880492 |
| 8           | D       | 8D        | 0.21239842  |
| 8           | W       | 8W        | 0.21239842  |
| 9           | A       | 9A        | 0.012447246 |
| 9           | A/D     | 9A/D      | 0.012447246 |
| 9           | B       | 9B        | 0.052648758 |
| 9           | B/D     | 9B/D      | 0.052648758 |
| 9           | C       | 9C        | 0.108527254 |
| 9           | C/D     | 9C/D      | 0.108527254 |
| 9           | D       | 9D        | 0.153167546 |
| 9           | W       | 9W        | 0.153167546 |
| 10          | A       | 10A       | 0.178550343 |
| 10          | A/D     | 10A/D     | 0.178550343 |
| 10          | B       | 10B       | 0.215451879 |
| 10          | B/D     | 10B/D     | 0.215451879 |
| 10          | C       | 10C       | 0.262325045 |
| 10          | C/D     | 10C/D     | 0.262325045 |
| 10          | D       | 10D       | 0.299542042 |
| 10          | W       | 10W       | 0.299542042 |
| 11          | A       | 11A       | 0.00369395  |
| 11          | A/D     | 11A/D     | 0.118284988 |
| 11          | B       | 11B       | 0.032974252 |
| 11          | B/D     | 11B/D     | 0.118284988 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.080408945 |
| 11          | C/D     | 11C/D     | 0.118284988 |
| 11          | D       | 11D       | 0.118284988 |
| 11          | W       | 11W       | 0.118284988 |
| 12          | A       | 12A       | 0.005174665 |
| 12          | A/D     | 12A/D     | 0.125254797 |
| 12          | B       | 12B       | 0.035762155 |
| 12          | B/D     | 12B/D     | 0.125254797 |
| 12          | C       | 12C       | 0.085407347 |
| 12          | C/D     | 12C/D     | 0.125254797 |
| 12          | D       | 12D       | 0.125254797 |
| 12          | W       | 12W       | 0.125254797 |
| 13          | A       | 13A       | 0.005174665 |
| 13          | A/D     | 13A/D     | 0.125254797 |
| 13          | B       | 13B       | 0.035762155 |
| 13          | B/D     | 13B/D     | 0.125254797 |
| 13          | C       | 13C       | 0.085407347 |
| 13          | C/D     | 13C/D     | 0.125254797 |
| 13          | D       | 13D       | 0.125254797 |
| 13          | W       | 13W       | 0.125254797 |
| 14          | A       | 14A       | 0.005174665 |
| 14          | A/D     | 14A/D     | 0.125254797 |
| 14          | B       | 14B       | 0.035762155 |
| 14          | B/D     | 14B/D     | 0.125254797 |
| 14          | C       | 14C       | 0.085407347 |
| 14          | C/D     | 14C/D     | 0.125254797 |
| 14          | D       | 14D       | 0.125254797 |
| 14          | W       | 14W       | 0.125254797 |
| 15          | A       | 15A       | 0.007107222 |
| 15          | A/D     | 15A/D     | 0.134559047 |
| 15          | B       | 15B       | 0.040919775 |
| 15          | B/D     | 15B/D     | 0.134559047 |
| 15          | C       | 15C       | 0.091799711 |
| 15          | C/D     | 15C/D     | 0.134559047 |
| 15          | D       | 15D       | 0.134559047 |
| 15          | W       | 15W       | 0.134559047 |
| 16          | A       | 16A       | 0.090024735 |
| 16          | A/D     | 16A/D     | 0.21239842  |
| 16          | B       | 16B       | 0.123652992 |
| 16          | B/D     | 16B/D     | 0.21239842  |
| 16          | C       | 16C       | 0.172880492 |
| 16          | C/D     | 16C/D     | 0.21239842  |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.21239842  |
| 16          | W       | 16W       | 0.21239842  |
| 17          | A       | 17A       | 0.054313755 |
| 17          | A/D     | 17A/D     | 0.244238605 |
| 17          | B       | 17B       | 0.111315178 |
| 17          | B/D     | 17B/D     | 0.244238605 |
| 17          | C       | 17C       | 0.176945072 |
| 17          | C/D     | 17C/D     | 0.244238605 |
| 17          | D       | 17D       | 0.244238605 |
| 17          | W       | 17W       | 0.244238605 |
| 18          | A       | 18A       | 0.009357943 |
| 18          | A/D     | 18A/D     | 0.156268962 |
| 18          | B       | 18B       | 0.050613761 |
| 18          | B/D     | 18B/D     | 0.156268962 |
| 18          | C       | 18C       | 0.104345368 |
| 18          | C/D     | 18C/D     | 0.156268962 |
| 18          | D       | 18D       | 0.156268962 |
| 18          | W       | 18W       | 0.156268962 |
| 19          | A       | 19A       | 0.003200378 |
| 19          | A/D     | 19A/D     | 0.104345368 |
| 19          | B       | 19B       | 0.024559626 |
| 19          | B/D     | 19B/D     | 0.104345368 |
| 19          | C       | 19C       | 0.065413739 |
| 19          | C/D     | 19C/D     | 0.104345368 |
| 19          | D       | 19D       | 0.104345368 |
| 19          | W       | 19W       | 0.104345368 |
| 20          | A       | 20A       | 0.260163183 |
| 20          | A/D     | 20A/D     | 0.260163183 |
| 20          | B       | 20B       | 0.29446967  |
| 20          | B/D     | 20B/D     | 0.29446967  |
| 20          | C       | 20C       | 0.337063001 |
| 20          | C/D     | 20C/D     | 0.337063001 |
| 20          | D       | 20D       | 0.368725699 |
| 20          | W       | 20W       | 0.368725699 |
| 21          | A       | 21A       | 0.00369395  |
| 21          | A/D     | 21A/D     | 0.118284988 |
| 21          | B       | 21B       | 0.032974252 |
| 21          | B/D     | 21B/D     | 0.118284988 |
| 21          | C       | 21C       | 0.080408945 |
| 21          | C/D     | 21C/D     | 0.118284988 |
| 21          | D       | 21D       | 0.118284988 |
| 21          | W       | 21W       | 0.118284988 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.118284988 |
| 22          | A/D     | 22A/D     | 0.118284988 |
| 22          | B       | 22B       | 0.118284988 |
| 22          | B/D     | 22B/D     | 0.118284988 |
| 22          | C       | 22C       | 0.118284988 |
| 22          | C/D     | 22C/D     | 0.118284988 |
| 22          | D       | 22D       | 0.118284988 |
| 22          | W       | 22W       | 0.118284988 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.224922978 |
| 24          | A/D     | 24A/D     | 0.224922978 |
| 24          | B       | 24B       | 0.224922978 |
| 24          | B/D     | 24B/D     | 0.224922978 |
| 24          | C       | 24C       | 0.224922978 |
| 24          | C/D     | 24C/D     | 0.224922978 |
| 24          | D       | 24D       | 0.224922978 |
| 24          | W       | 24W       | 0.224922978 |
| 25          | A       | 25A       | 0.211669645 |
| 25          | A/D     | 25A/D     | 0.211669645 |
| 25          | B       | 25B       | 0.211669645 |
| 25          | B/D     | 25B/D     | 0.211669645 |
| 25          | C       | 25C       | 0.211669645 |
| 25          | C/D     | 25C/D     | 0.211669645 |
| 25          | D       | 25D       | 0.211669645 |
| 25          | W       | 25W       | 0.211669645 |
| 26          | A       | 26A       | 0.224922978 |
| 26          | A/D     | 26A/D     | 0.224922978 |
| 26          | B       | 26B       | 0.224922978 |
| 26          | B/D     | 26B/D     | 0.224922978 |
| 26          | C       | 26C       | 0.224922978 |
| 26          | C/D     | 26C/D     | 0.224922978 |
| 26          | D       | 26D       | 0.224922978 |
| 26          | W       | 26W       | 0.224922978 |
| 27          | A       | 27A       | 0.00369395  |
| 27          | A/D     | 27A/D     | 0.00369395  |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.00369395  |
| 27          | B/D     | 27B/D     | 0.00369395  |
| 27          | C       | 27C       | 0.00369395  |
| 27          | C/D     | 27C/D     | 0.00369395  |
| 27          | D       | 27D       | 0.00369395  |
| 27          | W       | 27W       | 0.00369395  |
| 28          | A       | 28A       | 0.118284988 |
| 28          | A/D     | 28A/D     | 0.118284988 |
| 28          | B       | 28B       | 0.118284988 |
| 28          | B/D     | 28B/D     | 0.118284988 |
| 28          | C       | 28C       | 0.118284988 |
| 28          | C/D     | 28C/D     | 0.118284988 |
| 28          | D       | 28D       | 0.118284988 |
| 28          | W       | 28W       | 0.118284988 |

### *Appendix C.7: C Value Table - July*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.003592712 |
| 1           | A/D     | 1A/D      | 0.096731685 |
| 1           | B       | 1B        | 0.025802884 |
| 1           | B/D     | 1B/D      | 0.096731685 |
| 1           | C       | 1C        | 0.062111879 |
| 1           | C/D     | 1C/D      | 0.096731685 |
| 1           | D       | 1D        | 0.096731685 |
| 1           | W       | 1W        | 0.096731685 |
| 2           | A       | 2A        | 0.00059147  |
| 2           | A/D     | 2A/D      | 0.083191404 |
| 2           | B       | 2B        | 0.017961169 |
| 2           | B/D     | 2B/D      | 0.083191404 |
| 2           | C       | 2C        | 0.049875293 |
| 2           | C/D     | 2C/D      | 0.083191404 |
| 2           | D       | 2D        | 0.083191404 |
| 2           | W       | 2W        | 0.083191404 |
| 3           | A       | 3A        | 0.494603907 |
| 3           | A/D     | 3A/D      | 0.494603907 |
| 3           | B       | 3B        | 0.513537152 |
| 3           | B/D     | 3B/D      | 0.513537152 |
| 3           | C       | 3C        | 0.538649371 |
| 3           | C/D     | 3C/D      | 0.538649371 |
| 3           | D       | 3D        | 0.557370767 |
| 3           | W       | 3W        | 0.557370767 |
| 4           | A       | 4A        | 0.001049126 |
| 4           | A/D     | 4A/D      | 0.072096917 |
| 4           | B       | 4B        | 0.015293672 |
| 4           | B/D     | 4B/D      | 0.072096917 |
| 4           | C       | 4C        | 0.042457201 |
| 4           | C/D     | 4C/D      | 0.072096917 |
| 4           | D       | 4D        | 0.072096917 |
| 4           | W       | 4W        | 0.072096917 |
| 5           | A       | 5A        | 0.250147766 |
| 5           | A/D     | 5A/D      | 0.250147766 |
| 5           | B       | 5B        | 0.273375562 |
| 5           | B/D     | 5B/D      | 0.273375562 |
| 5           | C       | 5C        | 0.307021316 |
| 5           | C/D     | 5C/D      | 0.307021316 |
| 5           | D       | 5D        | 0.334336774 |
| 5           | W       | 5W        | 0.334336774 |
| 6           | A       | 6A        | 0.15819132  |
| 6           | A/D     | 6A/D      | 0.15819132  |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.15819132  |
| 6           | B/D     | 6B/D      | 0.15819132  |
| 6           | C       | 6C        | 0.15819132  |
| 6           | C/D     | 6C/D      | 0.15819132  |
| 6           | D       | 6D        | 0.15819132  |
| 6           | W       | 6W        | 0.15819132  |
| 7           | A       | 7A        | 0.089789868 |
| 7           | A/D     | 7A/D      | 0.089789868 |
| 7           | B       | 7B        | 0.11628487  |
| 7           | B/D     | 7B/D      | 0.11628487  |
| 7           | C       | 7C        | 0.15639496  |
| 7           | C/D     | 7C/D      | 0.15639496  |
| 7           | D       | 7D        | 0.191695456 |
| 7           | W       | 7W        | 0.191695456 |
| 8           | A       | 8A        | 0.084868527 |
| 8           | A/D     | 8A/D      | 0.084868527 |
| 8           | B       | 8B        | 0.10684916  |
| 8           | B/D     | 8B/D      | 0.10684916  |
| 8           | C       | 8C        | 0.143081576 |
| 8           | C/D     | 8C/D      | 0.143081576 |
| 8           | D       | 8D        | 0.175709381 |
| 8           | W       | 8W        | 0.175709381 |
| 9           | A       | 9A        | 0.007286086 |
| 9           | A/D     | 9A/D      | 0.007286086 |
| 9           | B       | 9B        | 0.033659039 |
| 9           | B/D     | 9B/D      | 0.033659039 |
| 9           | C       | 9C        | 0.075425263 |
| 9           | C/D     | 9C/D      | 0.075425263 |
| 9           | D       | 9D        | 0.112717759 |
| 9           | W       | 9W        | 0.112717759 |
| 10          | A       | 10A       | 0.169872452 |
| 10          | A/D     | 10A/D     | 0.169872452 |
| 10          | B       | 10B       | 0.194424617 |
| 10          | B/D     | 10B/D     | 0.194424617 |
| 10          | C       | 10C       | 0.230707965 |
| 10          | C/D     | 10C/D     | 0.230707965 |
| 10          | D       | 10D       | 0.262680114 |
| 10          | W       | 10W       | 0.262680114 |
| 11          | A       | 11A       | 0.00135867  |
| 11          | A/D     | 11A/D     | 0.083191404 |
| 11          | B       | 11B       | 0.020628667 |
| 11          | B/D     | 11B/D     | 0.083191404 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.053584338 |
| 11          | C/D     | 11C/D     | 0.083191404 |
| 11          | D       | 11D       | 0.083191404 |
| 11          | W       | 11W       | 0.083191404 |
| 12          | A       | 12A       | 0.002287303 |
| 12          | A/D     | 12A/D     | 0.088738647 |
| 12          | B       | 12B       | 0.022444182 |
| 12          | B/D     | 12B/D     | 0.088738647 |
| 12          | C       | 12C       | 0.057293384 |
| 12          | C/D     | 12C/D     | 0.088738647 |
| 12          | D       | 12D       | 0.088738647 |
| 12          | W       | 12W       | 0.088738647 |
| 13          | A       | 13A       | 0.002287303 |
| 13          | A/D     | 13A/D     | 0.088738647 |
| 13          | B       | 13B       | 0.022444182 |
| 13          | B/D     | 13B/D     | 0.088738647 |
| 13          | C       | 13C       | 0.057293384 |
| 13          | C/D     | 13C/D     | 0.088738647 |
| 13          | D       | 13D       | 0.088738647 |
| 13          | W       | 13W       | 0.088738647 |
| 14          | A       | 14A       | 0.002287303 |
| 14          | A/D     | 14A/D     | 0.088738647 |
| 14          | B       | 14B       | 0.022444182 |
| 14          | B/D     | 14B/D     | 0.088738647 |
| 14          | C       | 14C       | 0.057293384 |
| 14          | C/D     | 14C/D     | 0.088738647 |
| 14          | D       | 14D       | 0.088738647 |
| 14          | W       | 14W       | 0.088738647 |
| 15          | A       | 15A       | 0.003592712 |
| 15          | A/D     | 15A/D     | 0.096731685 |
| 15          | B       | 15B       | 0.025802884 |
| 15          | B/D     | 15B/D     | 0.096731685 |
| 15          | C       | 15C       | 0.062111879 |
| 15          | C/D     | 15C/D     | 0.096731685 |
| 15          | D       | 15D       | 0.096731685 |
| 15          | W       | 15W       | 0.096731685 |
| 16          | A       | 16A       | 0.084868527 |
| 16          | A/D     | 16A/D     | 0.175709381 |
| 16          | B       | 16B       | 0.10684916  |
| 16          | B/D     | 16B/D     | 0.175709381 |
| 16          | C       | 16C       | 0.143081576 |
| 16          | C/D     | 16C/D     | 0.175709381 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.175709381 |
| 16          | W       | 16W       | 0.175709381 |
| 17          | A       | 17A       | 0.034806625 |
| 17          | A/D     | 17A/D     | 0.195549062 |
| 17          | B       | 17B       | 0.07764416  |
| 17          | B/D     | 17B/D     | 0.195549062 |
| 17          | C       | 17C       | 0.13314441  |
| 17          | C/D     | 17C/D     | 0.195549062 |
| 17          | D       | 17D       | 0.195549062 |
| 17          | W       | 17W       | 0.195549062 |
| 18          | A       | 18A       | 0.005150347 |
| 18          | A/D     | 18A/D     | 0.115382105 |
| 18          | B       | 18B       | 0.032256433 |
| 18          | B/D     | 18B/D     | 0.115382105 |
| 18          | C       | 18C       | 0.072096917 |
| 18          | C/D     | 18C/D     | 0.115382105 |
| 18          | D       | 18D       | 0.115382105 |
| 18          | W       | 18W       | 0.115382105 |
| 19          | A       | 19A       | 0.001049126 |
| 19          | A/D     | 19A/D     | 0.072096917 |
| 19          | B       | 19B       | 0.015293672 |
| 19          | B/D     | 19B/D     | 0.072096917 |
| 19          | C       | 19C       | 0.042457201 |
| 19          | C/D     | 19C/D     | 0.072096917 |
| 19          | D       | 19D       | 0.072096917 |
| 19          | W       | 19W       | 0.072096917 |
| 20          | A       | 20A       | 0.250147766 |
| 20          | A/D     | 20A/D     | 0.250147766 |
| 20          | B       | 20B       | 0.273375562 |
| 20          | B/D     | 20B/D     | 0.273375562 |
| 20          | C       | 20C       | 0.307021316 |
| 20          | C/D     | 20C/D     | 0.307021316 |
| 20          | D       | 20D       | 0.334336774 |
| 20          | W       | 20W       | 0.334336774 |
| 21          | A       | 21A       | 0.00135867  |
| 21          | A/D     | 21A/D     | 0.083191404 |
| 21          | B       | 21B       | 0.020628667 |
| 21          | B/D     | 21B/D     | 0.083191404 |
| 21          | C       | 21C       | 0.053584338 |
| 21          | C/D     | 21C/D     | 0.083191404 |
| 21          | D       | 21D       | 0.083191404 |
| 21          | W       | 21W       | 0.083191404 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.083191404 |
| 22          | A/D     | 22A/D     | 0.083191404 |
| 22          | B       | 22B       | 0.083191404 |
| 22          | B/D     | 22B/D     | 0.083191404 |
| 22          | C       | 22C       | 0.083191404 |
| 22          | C/D     | 22C/D     | 0.083191404 |
| 22          | D       | 22D       | 0.083191404 |
| 22          | W       | 22W       | 0.083191404 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.15819132  |
| 24          | A/D     | 24A/D     | 0.15819132  |
| 24          | B       | 24B       | 0.15819132  |
| 24          | B/D     | 24B/D     | 0.15819132  |
| 24          | C       | 24C       | 0.15819132  |
| 24          | C/D     | 24C/D     | 0.15819132  |
| 24          | D       | 24D       | 0.15819132  |
| 24          | W       | 24W       | 0.15819132  |
| 25          | A       | 25A       | 0.147643045 |
| 25          | A/D     | 25A/D     | 0.147643045 |
| 25          | B       | 25B       | 0.147643045 |
| 25          | B/D     | 25B/D     | 0.147643045 |
| 25          | C       | 25C       | 0.147643045 |
| 25          | C/D     | 25C/D     | 0.147643045 |
| 25          | D       | 25D       | 0.147643045 |
| 25          | W       | 25W       | 0.147643045 |
| 26          | A       | 26A       | 0.15819132  |
| 26          | A/D     | 26A/D     | 0.15819132  |
| 26          | B       | 26B       | 0.15819132  |
| 26          | B/D     | 26B/D     | 0.15819132  |
| 26          | C       | 26C       | 0.15819132  |
| 26          | C/D     | 26C/D     | 0.15819132  |
| 26          | D       | 26D       | 0.15819132  |
| 26          | W       | 26W       | 0.15819132  |
| 27          | A       | 27A       | 0.00135867  |
| 27          | A/D     | 27A/D     | 0.00135867  |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.00135867  |
| 27          | B/D     | 27B/D     | 0.00135867  |
| 27          | C       | 27C       | 0.00135867  |
| 27          | C/D     | 27C/D     | 0.00135867  |
| 27          | D       | 27D       | 0.00135867  |
| 27          | W       | 27W       | 0.00135867  |
| 28          | A       | 28A       | 0.083191404 |
| 28          | A/D     | 28A/D     | 0.083191404 |
| 28          | B       | 28B       | 0.083191404 |
| 28          | B/D     | 28B/D     | 0.083191404 |
| 28          | C       | 28C       | 0.083191404 |
| 28          | C/D     | 28C/D     | 0.083191404 |
| 28          | D       | 28D       | 0.083191404 |
| 28          | W       | 28W       | 0.083191404 |

### *Appendix C.8: C Value Table - August*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.004959988 |
| 1           | A/D     | 1A/D      | 0.108346296 |
| 1           | B       | 1B        | 0.031203485 |
| 1           | B/D     | 1B/D      | 0.108346296 |
| 1           | C       | 1C        | 0.071598961 |
| 1           | C/D     | 1C/D      | 0.108346296 |
| 1           | D       | 1D        | 0.108346296 |
| 1           | W       | 1W        | 0.108346296 |
| 2           | A       | 2A        | 0.001264134 |
| 2           | A/D     | 2A/D      | 0.094091297 |
| 2           | B       | 2B        | 0.021872343 |
| 2           | B/D     | 2B/D      | 0.094091297 |
| 2           | C       | 2C        | 0.058338455 |
| 2           | C/D     | 2C/D      | 0.094091297 |
| 2           | D       | 2D        | 0.094091297 |
| 2           | W       | 2W        | 0.094091297 |
| 3           | A       | 3A        | 0.498222049 |
| 3           | A/D     | 3A/D      | 0.498222049 |
| 3           | B       | 3B        | 0.518662512 |
| 3           | B/D     | 3B/D      | 0.518662512 |
| 3           | C       | 3C        | 0.544718356 |
| 3           | C/D     | 3C/D      | 0.544718356 |
| 3           | D       | 3D        | 0.563761381 |
| 3           | W       | 3W        | 0.563761381 |
| 4           | A       | 4A        | 0.001927156 |
| 4           | A/D     | 4A/D      | 0.082253226 |
| 4           | B       | 4B        | 0.01867196  |
| 4           | B/D     | 4B/D      | 0.082253226 |
| 4           | C       | 4C        | 0.050287322 |
| 4           | C/D     | 4C/D      | 0.082253226 |
| 4           | D       | 4D        | 0.082253226 |
| 4           | W       | 4W        | 0.082253226 |
| 5           | A       | 5A        | 0.252831446 |
| 5           | A/D     | 5A/D      | 0.252831446 |
| 5           | B       | 5B        | 0.279550341 |
| 5           | B/D     | 5B/D      | 0.279550341 |
| 5           | C       | 5C        | 0.315485635 |
| 5           | C/D     | 5C/D      | 0.315485635 |
| 5           | D       | 5D        | 0.343932879 |
| 5           | W       | 5W        | 0.343932879 |
| 6           | A       | 6A        | 0.178917843 |
| 6           | A/D     | 6A/D      | 0.178917843 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.178917843 |
| 6           | B/D     | 6B/D      | 0.178917843 |
| 6           | C       | 6C        | 0.178917843 |
| 6           | C/D     | 6C/D      | 0.178917843 |
| 6           | D       | 6D        | 0.178917843 |
| 6           | W       | 6W        | 0.178917843 |
| 7           | A       | 7A        | 0.092259844 |
| 7           | A/D     | 7A/D      | 0.092259844 |
| 7           | B       | 7B        | 0.123208045 |
| 7           | B/D     | 7B/D      | 0.123208045 |
| 7           | C       | 7C        | 0.166431576 |
| 7           | C/D     | 7C/D      | 0.166431576 |
| 7           | D       | 7D        | 0.20332685  |
| 7           | W       | 7W        | 0.20332685  |
| 8           | A       | 8A        | 0.086527693 |
| 8           | A/D     | 8A/D      | 0.086527693 |
| 8           | B       | 8B        | 0.112508474 |
| 8           | B/D     | 8B/D      | 0.112508474 |
| 8           | C       | 8C        | 0.15222589  |
| 8           | C/D     | 8C/D      | 0.15222589  |
| 8           | D       | 8D        | 0.186654924 |
| 8           | W       | 8W        | 0.186654924 |
| 9           | A       | 9A        | 0.009279828 |
| 9           | A/D     | 9A/D      | 0.009279828 |
| 9           | B       | 9B        | 0.040310696 |
| 9           | B/D     | 9B/D      | 0.040310696 |
| 9           | C       | 9C        | 0.085804647 |
| 9           | C/D     | 9C/D      | 0.085804647 |
| 9           | D       | 9D        | 0.125018222 |
| 9           | W       | 9W        | 0.125018222 |
| 10          | A       | 10A       | 0.172420793 |
| 10          | A/D     | 10A/D     | 0.172420793 |
| 10          | B       | 10B       | 0.200982366 |
| 10          | B/D     | 10B/D     | 0.200982366 |
| 10          | C       | 10C       | 0.239955662 |
| 10          | C/D     | 10C/D     | 0.239955662 |
| 10          | D       | 10D       | 0.273299514 |
| 10          | W       | 10W       | 0.273299514 |
| 11          | A       | 11A       | 0.00229863  |
| 11          | A/D     | 11A/D     | 0.094091297 |
| 11          | B       | 11B       | 0.025072726 |
| 11          | B/D     | 11B/D     | 0.094091297 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.062364021 |
| 11          | C/D     | 11C/D     | 0.094091297 |
| 11          | D       | 11D       | 0.094091297 |
| 11          | W       | 11W       | 0.094091297 |
| 12          | A       | 12A       | 0.00341305  |
| 12          | A/D     | 12A/D     | 0.100010333 |
| 12          | B       | 12B       | 0.027223869 |
| 12          | B/D     | 12B/D     | 0.100010333 |
| 12          | C       | 12C       | 0.066389588 |
| 12          | C/D     | 12C/D     | 0.100010333 |
| 12          | D       | 12D       | 0.100010333 |
| 12          | W       | 12W       | 0.100010333 |
| 13          | A       | 13A       | 0.00341305  |
| 13          | A/D     | 13A/D     | 0.100010333 |
| 13          | B       | 13B       | 0.027223869 |
| 13          | B/D     | 13B/D     | 0.100010333 |
| 13          | C       | 13C       | 0.066389588 |
| 13          | C/D     | 13C/D     | 0.100010333 |
| 13          | D       | 13D       | 0.100010333 |
| 13          | W       | 13W       | 0.100010333 |
| 14          | A       | 14A       | 0.00341305  |
| 14          | A/D     | 14A/D     | 0.100010333 |
| 14          | B       | 14B       | 0.027223869 |
| 14          | B/D     | 14B/D     | 0.100010333 |
| 14          | C       | 14C       | 0.066389588 |
| 14          | C/D     | 14C/D     | 0.100010333 |
| 14          | D       | 14D       | 0.100010333 |
| 14          | W       | 14W       | 0.100010333 |
| 15          | A       | 15A       | 0.004959988 |
| 15          | A/D     | 15A/D     | 0.108346296 |
| 15          | B       | 15B       | 0.031203485 |
| 15          | B/D     | 15B/D     | 0.108346296 |
| 15          | C       | 15C       | 0.071598961 |
| 15          | C/D     | 15C/D     | 0.108346296 |
| 15          | D       | 15D       | 0.108346296 |
| 15          | W       | 15W       | 0.108346296 |
| 16          | A       | 16A       | 0.086527693 |
| 16          | A/D     | 16A/D     | 0.186654924 |
| 16          | B       | 16B       | 0.112508474 |
| 16          | B/D     | 16B/D     | 0.186654924 |
| 16          | C       | 16C       | 0.15222589  |
| 16          | C/D     | 16C/D     | 0.186654924 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.186654924 |
| 16          | W       | 16W       | 0.186654924 |
| 17          | A       | 17A       | 0.041611995 |
| 17          | A/D     | 17A/D     | 0.209797989 |
| 17          | B       | 17B       | 0.088172262 |
| 17          | B/D     | 17B/D     | 0.209797989 |
| 17          | C       | 17C       | 0.146321239 |
| 17          | C/D     | 17C/D     | 0.209797989 |
| 17          | D       | 17D       | 0.209797989 |
| 17          | W       | 17W       | 0.209797989 |
| 18          | A       | 18A       | 0.006798534 |
| 18          | A/D     | 18A/D     | 0.127796877 |
| 18          | B       | 18B       | 0.038720219 |
| 18          | B/D     | 18B/D     | 0.127796877 |
| 18          | C       | 18C       | 0.082253226 |
| 18          | C/D     | 18C/D     | 0.127796877 |
| 18          | D       | 18D       | 0.127796877 |
| 18          | W       | 18W       | 0.127796877 |
| 19          | A       | 19A       | 0.001927156 |
| 19          | A/D     | 19A/D     | 0.082253226 |
| 19          | B       | 19B       | 0.01867196  |
| 19          | B/D     | 19B/D     | 0.082253226 |
| 19          | C       | 19C       | 0.050287322 |
| 19          | C/D     | 19C/D     | 0.082253226 |
| 19          | D       | 19D       | 0.082253226 |
| 19          | W       | 19W       | 0.082253226 |
| 20          | A       | 20A       | 0.252831446 |
| 20          | A/D     | 20A/D     | 0.252831446 |
| 20          | B       | 20B       | 0.279550341 |
| 20          | B/D     | 20B/D     | 0.279550341 |
| 20          | C       | 20C       | 0.315485635 |
| 20          | C/D     | 20C/D     | 0.315485635 |
| 20          | D       | 20D       | 0.343932879 |
| 20          | W       | 20W       | 0.343932879 |
| 21          | A       | 21A       | 0.00229863  |
| 21          | A/D     | 21A/D     | 0.094091297 |
| 21          | B       | 21B       | 0.025072726 |
| 21          | B/D     | 21B/D     | 0.094091297 |
| 21          | C       | 21C       | 0.062364021 |
| 21          | C/D     | 21C/D     | 0.094091297 |
| 21          | D       | 21D       | 0.094091297 |
| 21          | W       | 21W       | 0.094091297 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.094091297 |
| 22          | A/D     | 22A/D     | 0.094091297 |
| 22          | B       | 22B       | 0.094091297 |
| 22          | B/D     | 22B/D     | 0.094091297 |
| 22          | C       | 22C       | 0.094091297 |
| 22          | C/D     | 22C/D     | 0.094091297 |
| 22          | D       | 22D       | 0.094091297 |
| 22          | W       | 22W       | 0.094091297 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.178917843 |
| 24          | A/D     | 24A/D     | 0.178917843 |
| 24          | B       | 24B       | 0.178917843 |
| 24          | B/D     | 24B/D     | 0.178917843 |
| 24          | C       | 24C       | 0.178917843 |
| 24          | C/D     | 24C/D     | 0.178917843 |
| 24          | D       | 24D       | 0.178917843 |
| 24          | W       | 24W       | 0.178917843 |
| 25          | A       | 25A       | 0.167662592 |
| 25          | A/D     | 25A/D     | 0.167662592 |
| 25          | B       | 25B       | 0.167662592 |
| 25          | B/D     | 25B/D     | 0.167662592 |
| 25          | C       | 25C       | 0.167662592 |
| 25          | C/D     | 25C/D     | 0.167662592 |
| 25          | D       | 25D       | 0.167662592 |
| 25          | W       | 25W       | 0.167662592 |
| 26          | A       | 26A       | 0.178917843 |
| 26          | A/D     | 26A/D     | 0.178917843 |
| 26          | B       | 26B       | 0.178917843 |
| 26          | B/D     | 26B/D     | 0.178917843 |
| 26          | C       | 26C       | 0.178917843 |
| 26          | C/D     | 26C/D     | 0.178917843 |
| 26          | D       | 26D       | 0.178917843 |
| 26          | W       | 26W       | 0.178917843 |
| 27          | A       | 27A       | 0.00229863  |
| 27          | A/D     | 27A/D     | 0.00229863  |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.00229863  |
| 27          | B/D     | 27B/D     | 0.00229863  |
| 27          | C       | 27C       | 0.00229863  |
| 27          | C/D     | 27C/D     | 0.00229863  |
| 27          | D       | 27D       | 0.00229863  |
| 27          | W       | 27W       | 0.00229863  |
| 28          | A       | 28A       | 0.094091297 |
| 28          | A/D     | 28A/D     | 0.094091297 |
| 28          | B       | 28B       | 0.094091297 |
| 28          | B/D     | 28B/D     | 0.094091297 |
| 28          | C       | 28C       | 0.094091297 |
| 28          | C/D     | 28C/D     | 0.094091297 |
| 28          | D       | 28D       | 0.094091297 |
| 28          | W       | 28W       | 0.094091297 |

### *Appendix C.9: C Value Table - September*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.018910027 |
| 1           | A/D     | 1A/D      | 0.173637284 |
| 1           | B       | 1B        | 0.066599621 |
| 1           | B/D     | 1B/D      | 0.173637284 |
| 1           | C       | 1C        | 0.12592716  |
| 1           | C/D     | 1C/D      | 0.173637284 |
| 1           | D       | 1D        | 0.173637284 |
| 1           | W       | 1W        | 0.173637284 |
| 2           | A       | 2A        | 0.007873862 |
| 2           | A/D     | 2A/D      | 0.155676774 |
| 2           | B       | 2B        | 0.051536886 |
| 2           | B/D     | 2B/D      | 0.155676774 |
| 2           | C       | 2C        | 0.107148089 |
| 2           | C/D     | 2C/D      | 0.155676774 |
| 2           | D       | 2D        | 0.155676774 |
| 2           | W       | 2W        | 0.155676774 |
| 3           | A       | 3A        | 0.532345542 |
| 3           | A/D     | 3A/D      | 0.532345542 |
| 3           | B       | 3B        | 0.560527487 |
| 3           | B/D     | 3B/D      | 0.560527487 |
| 3           | C       | 3C        | 0.591582127 |
| 3           | C/D     | 3C/D      | 0.591582127 |
| 3           | D       | 3D        | 0.612504314 |
| 3           | W       | 3W        | 0.612504314 |
| 4           | A       | 4A        | 0.010378396 |
| 4           | A/D     | 4A/D      | 0.140019083 |
| 4           | B       | 4B        | 0.04613173  |
| 4           | B/D     | 4B/D      | 0.140019083 |
| 4           | C       | 4C        | 0.095672554 |
| 4           | C/D     | 4C/D      | 0.140019083 |
| 4           | D       | 4D        | 0.140019083 |
| 4           | W       | 4W        | 0.140019083 |
| 5           | A       | 5A        | 0.280367457 |
| 5           | A/D     | 5A/D      | 0.280367457 |
| 5           | B       | 5B        | 0.321627836 |
| 5           | B/D     | 5B/D      | 0.321627836 |
| 5           | C       | 5C        | 0.369553881 |
| 5           | C/D     | 5C/D      | 0.369553881 |
| 5           | D       | 5D        | 0.403943869 |
| 5           | W       | 5W        | 0.403943869 |
| 6           | A       | 6A        | 0.296024748 |
| 6           | A/D     | 6A/D      | 0.296024748 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.296024748 |
| 6           | B/D     | 6B/D      | 0.296024748 |
| 6           | C       | 6C        | 0.296024748 |
| 6           | C/D     | 6C/D      | 0.296024748 |
| 6           | D       | 6D        | 0.296024748 |
| 6           | W       | 6W        | 0.296024748 |
| 7           | A       | 7A        | 0.116143726 |
| 7           | A/D     | 7A/D      | 0.116143726 |
| 7           | B       | 7B        | 0.165836898 |
| 7           | B/D     | 7B/D      | 0.165836898 |
| 7           | C       | 7C        | 0.225239585 |
| 7           | C/D     | 7C/D      | 0.225239585 |
| 7           | D       | 7D        | 0.270463549 |
| 7           | W       | 7W        | 0.270463549 |
| 8           | A       | 8A        | 0.104722713 |
| 8           | A/D     | 8A/D      | 0.104722713 |
| 8           | B       | 8B        | 0.149714228 |
| 8           | B/D     | 8B/D      | 0.149714228 |
| 8           | C       | 8C        | 0.206450355 |
| 8           | C/D     | 8C/D      | 0.206450355 |
| 8           | D       | 8D        | 0.250200221 |
| 8           | W       | 8W        | 0.250200221 |
| 9           | A       | 9A        | 0.028530458 |
| 9           | A/D     | 9A/D      | 0.028530458 |
| 9           | B       | 9B        | 0.080639253 |
| 9           | B/D     | 9B/D      | 0.080639253 |
| 9           | C       | 9C        | 0.14471639  |
| 9           | C/D     | 9C/D      | 0.14471639  |
| 9           | D       | 9D        | 0.193900612 |
| 9           | W       | 9W        | 0.193900612 |
| 10          | A       | 10A       | 0.198105319 |
| 10          | A/D     | 10A/D     | 0.198105319 |
| 10          | B       | 10B       | 0.243249266 |
| 10          | B/D     | 10B/D     | 0.243249266 |
| 10          | C       | 10C       | 0.296368165 |
| 10          | C/D     | 10C/D     | 0.296368165 |
| 10          | D       | 10D       | 0.336894821 |
| 10          | W       | 10W       | 0.336894821 |
| 11          | A       | 11A       | 0.011513983 |
| 11          | A/D     | 11A/D     | 0.155676774 |
| 11          | B       | 11B       | 0.056942043 |
| 11          | B/D     | 11B/D     | 0.155676774 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.112885856 |
| 11          | C/D     | 11C/D     | 0.155676774 |
| 11          | D       | 11D       | 0.155676774 |
| 11          | W       | 11W       | 0.155676774 |
| 12          | A       | 12A       | 0.014920745 |
| 12          | A/D     | 12A/D     | 0.16350562  |
| 12          | B       | 12B       | 0.060330667 |
| 12          | B/D     | 12B/D     | 0.16350562  |
| 12          | C       | 12C       | 0.118623624 |
| 12          | C/D     | 12C/D     | 0.16350562  |
| 12          | D       | 12D       | 0.16350562  |
| 12          | W       | 12W       | 0.16350562  |
| 13          | A       | 13A       | 0.014920745 |
| 13          | A/D     | 13A/D     | 0.16350562  |
| 13          | B       | 13B       | 0.060330667 |
| 13          | B/D     | 13B/D     | 0.16350562  |
| 13          | C       | 13C       | 0.118623624 |
| 13          | C/D     | 13C/D     | 0.16350562  |
| 13          | D       | 13D       | 0.16350562  |
| 13          | W       | 13W       | 0.16350562  |
| 14          | A       | 14A       | 0.014920745 |
| 14          | A/D     | 14A/D     | 0.16350562  |
| 14          | B       | 14B       | 0.060330667 |
| 14          | B/D     | 14B/D     | 0.16350562  |
| 14          | C       | 14C       | 0.118623624 |
| 14          | C/D     | 14C/D     | 0.16350562  |
| 14          | D       | 14D       | 0.16350562  |
| 14          | W       | 14W       | 0.16350562  |
| 15          | A       | 15A       | 0.018910027 |
| 15          | A/D     | 15A/D     | 0.173637284 |
| 15          | B       | 15B       | 0.066599621 |
| 15          | B/D     | 15B/D     | 0.173637284 |
| 15          | C       | 15C       | 0.12592716  |
| 15          | C/D     | 15C/D     | 0.173637284 |
| 15          | D       | 15D       | 0.173637284 |
| 15          | W       | 15W       | 0.173637284 |
| 16          | A       | 16A       | 0.104722713 |
| 16          | A/D     | 16A/D     | 0.250200221 |
| 16          | B       | 16B       | 0.149714228 |
| 16          | B/D     | 16B/D     | 0.250200221 |
| 16          | C       | 16C       | 0.206450355 |
| 16          | C/D     | 16C/D     | 0.250200221 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.250200221 |
| 16          | W       | 16W       | 0.250200221 |
| 17          | A       | 17A       | 0.082600119 |
| 17          | A/D     | 17A/D     | 0.289533265 |
| 17          | B       | 17B       | 0.147847928 |
| 17          | B/D     | 17B/D     | 0.289533265 |
| 17          | C       | 17C       | 0.219792642 |
| 17          | C/D     | 17C/D     | 0.289533265 |
| 17          | D       | 17D       | 0.289533265 |
| 17          | W       | 17W       | 0.289533265 |
| 18          | A       | 18A       | 0.023373498 |
| 18          | A/D     | 18A/D     | 0.197277833 |
| 18          | B       | 18B       | 0.07824264  |
| 18          | B/D     | 18B/D     | 0.197277833 |
| 18          | C       | 18C       | 0.140019083 |
| 18          | C/D     | 18C/D     | 0.197277833 |
| 18          | D       | 18D       | 0.197277833 |
| 18          | W       | 18W       | 0.197277833 |
| 19          | A       | 19A       | 0.010378396 |
| 19          | A/D     | 19A/D     | 0.140019083 |
| 19          | B       | 19B       | 0.04613173  |
| 19          | B/D     | 19B/D     | 0.140019083 |
| 19          | C       | 19C       | 0.095672554 |
| 19          | C/D     | 19C/D     | 0.140019083 |
| 19          | D       | 19D       | 0.140019083 |
| 19          | W       | 19W       | 0.140019083 |
| 20          | A       | 20A       | 0.280367457 |
| 20          | A/D     | 20A/D     | 0.280367457 |
| 20          | B       | 20B       | 0.321627836 |
| 20          | B/D     | 20B/D     | 0.321627836 |
| 20          | C       | 20C       | 0.369553881 |
| 20          | C/D     | 20C/D     | 0.369553881 |
| 20          | D       | 20D       | 0.403943869 |
| 20          | W       | 20W       | 0.403943869 |
| 21          | A       | 21A       | 0.011513983 |
| 21          | A/D     | 21A/D     | 0.155676774 |
| 21          | B       | 21B       | 0.056942043 |
| 21          | B/D     | 21B/D     | 0.155676774 |
| 21          | C       | 21C       | 0.112885856 |
| 21          | C/D     | 21C/D     | 0.155676774 |
| 21          | D       | 21D       | 0.155676774 |
| 21          | W       | 21W       | 0.155676774 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.155676774 |
| 22          | A/D     | 22A/D     | 0.155676774 |
| 22          | B       | 22B       | 0.155676774 |
| 22          | B/D     | 22B/D     | 0.155676774 |
| 22          | C       | 22C       | 0.155676774 |
| 22          | C/D     | 22C/D     | 0.155676774 |
| 22          | D       | 22D       | 0.155676774 |
| 22          | W       | 22W       | 0.155676774 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.296024748 |
| 24          | A/D     | 24A/D     | 0.296024748 |
| 24          | B       | 24B       | 0.296024748 |
| 24          | B/D     | 24B/D     | 0.296024748 |
| 24          | C       | 24C       | 0.296024748 |
| 24          | C/D     | 24C/D     | 0.296024748 |
| 24          | D       | 24D       | 0.296024748 |
| 24          | W       | 24W       | 0.296024748 |
| 25          | A       | 25A       | 0.281137928 |
| 25          | A/D     | 25A/D     | 0.281137928 |
| 25          | B       | 25B       | 0.281137928 |
| 25          | B/D     | 25B/D     | 0.281137928 |
| 25          | C       | 25C       | 0.281137928 |
| 25          | C/D     | 25C/D     | 0.281137928 |
| 25          | D       | 25D       | 0.281137928 |
| 25          | W       | 25W       | 0.281137928 |
| 26          | A       | 26A       | 0.296024748 |
| 26          | A/D     | 26A/D     | 0.296024748 |
| 26          | B       | 26B       | 0.296024748 |
| 26          | B/D     | 26B/D     | 0.296024748 |
| 26          | C       | 26C       | 0.296024748 |
| 26          | C/D     | 26C/D     | 0.296024748 |
| 26          | D       | 26D       | 0.296024748 |
| 26          | W       | 26W       | 0.296024748 |
| 27          | A       | 27A       | 0.011513983 |
| 27          | A/D     | 27A/D     | 0.011513983 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.011513983 |
| 27          | B/D     | 27B/D     | 0.011513983 |
| 27          | C       | 27C       | 0.011513983 |
| 27          | C/D     | 27C/D     | 0.011513983 |
| 27          | D       | 27D       | 0.011513983 |
| 27          | W       | 27W       | 0.011513983 |
| 28          | A       | 28A       | 0.155676774 |
| 28          | A/D     | 28A/D     | 0.155676774 |
| 28          | B       | 28B       | 0.155676774 |
| 28          | B/D     | 28B/D     | 0.155676774 |
| 28          | C       | 28C       | 0.155676774 |
| 28          | C/D     | 28C/D     | 0.155676774 |
| 28          | D       | 28D       | 0.155676774 |
| 28          | W       | 28W       | 0.155676774 |

*Appendix C.10: C Value Table - October*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.034710942 |
| 1           | A/D     | 1A/D      | 0.245590946 |
| 1           | B       | 1B        | 0.107942945 |
| 1           | B/D     | 1B/D      | 0.245590946 |
| 1           | C       | 1C        | 0.188326905 |
| 1           | C/D     | 1C/D      | 0.245590946 |
| 1           | D       | 1D        | 0.245590946 |
| 1           | W       | 1W        | 0.245590946 |
| 2           | A       | 2A        | 0.016046044 |
| 2           | A/D     | 2A/D      | 0.224625387 |
| 2           | B       | 2B        | 0.08556147  |
| 2           | B/D     | 2B/D      | 0.224625387 |
| 2           | C       | 2C        | 0.163920812 |
| 2           | C/D     | 2C/D      | 0.224625387 |
| 2           | D       | 2D        | 0.224625387 |
| 2           | W       | 2W        | 0.224625387 |
| 3           | A       | 3A        | 0.546192344 |
| 3           | A/D     | 3A/D      | 0.546192344 |
| 3           | B       | 3B        | 0.582018566 |
| 3           | B/D     | 3B/D      | 0.582018566 |
| 3           | C       | 3C        | 0.616527413 |
| 3           | C/D     | 3C/D      | 0.616527413 |
| 3           | D       | 3D        | 0.638233776 |
| 3           | W       | 3W        | 0.638233776 |
| 4           | A       | 4A        | 0.02060665  |
| 4           | A/D     | 4A/D      | 0.205520923 |
| 4           | B       | 4B        | 0.077348106 |
| 4           | B/D     | 4B/D      | 0.205520923 |
| 4           | C       | 4C        | 0.148923714 |
| 4           | C/D     | 4C/D      | 0.205520923 |
| 4           | D       | 4D        | 0.205520923 |
| 4           | W       | 4W        | 0.205520923 |
| 5           | A       | 5A        | 0.298861988 |
| 5           | A/D     | 5A/D      | 0.298861988 |
| 5           | B       | 5B        | 0.357623986 |
| 5           | B/D     | 5B/D      | 0.357623986 |
| 5           | C       | 5C        | 0.4166622   |
| 5           | C/D     | 5C/D      | 0.4166622   |
| 5           | D       | 5D        | 0.455247336 |
| 5           | W       | 5W        | 0.455247336 |
| 6           | A       | 6A        | 0.427132911 |
| 6           | A/D     | 6A/D      | 0.427132911 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.427132911 |
| 6           | B/D     | 6B/D      | 0.427132911 |
| 6           | C       | 6C        | 0.427132911 |
| 6           | C/D     | 6C/D      | 0.427132911 |
| 6           | D       | 6D        | 0.427132911 |
| 6           | W       | 6W        | 0.427132911 |
| 7           | A       | 7A        | 0.138733316 |
| 7           | A/D     | 7A/D      | 0.138733316 |
| 7           | B       | 7B        | 0.211500047 |
| 7           | B/D     | 7B/D      | 0.211500047 |
| 7           | C       | 7C        | 0.286738179 |
| 7           | C/D     | 7C/D      | 0.286738179 |
| 7           | D       | 7D        | 0.338122822 |
| 7           | W       | 7W        | 0.338122822 |
| 8           | A       | 8A        | 0.120822493 |
| 8           | A/D     | 8A/D      | 0.120822493 |
| 8           | B       | 8B        | 0.189083564 |
| 8           | B/D     | 8B/D      | 0.189083564 |
| 8           | C       | 8C        | 0.263812822 |
| 8           | C/D     | 8C/D      | 0.263812822 |
| 8           | D       | 8D        | 0.31529617  |
| 8           | W       | 8W        | 0.31529617  |
| 9           | A       | 9A        | 0.050004543 |
| 9           | A/D     | 9A/D      | 0.050004543 |
| 9           | B       | 9B        | 0.128021858 |
| 9           | B/D     | 9B/D      | 0.128021858 |
| 9           | C       | 9C        | 0.211252262 |
| 9           | C/D     | 9C/D      | 0.211252262 |
| 9           | D       | 9D        | 0.268417598 |
| 9           | W       | 9W        | 0.268417598 |
| 10          | A       | 10A       | 0.218591835 |
| 10          | A/D     | 10A/D     | 0.218591835 |
| 10          | B       | 10B       | 0.284058003 |
| 10          | B/D     | 10B/D     | 0.284058003 |
| 10          | C       | 10C       | 0.350761417 |
| 10          | C/D     | 10C/D     | 0.350761417 |
| 10          | D       | 10D       | 0.396414721 |
| 10          | W       | 10W       | 0.396414721 |
| 11          | A       | 11A       | 0.022511608 |
| 11          | A/D     | 11A/D     | 0.224625387 |
| 11          | B       | 11B       | 0.093774835 |
| 11          | B/D     | 11B/D     | 0.224625387 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.171419361 |
| 11          | C/D     | 11C/D     | 0.224625387 |
| 11          | D       | 11D       | 0.224625387 |
| 11          | W       | 11W       | 0.224625387 |
| 12          | A       | 12A       | 0.028226482 |
| 12          | A/D     | 12A/D     | 0.23417762  |
| 12          | B       | 12B       | 0.098746102 |
| 12          | B/D     | 12B/D     | 0.23417762  |
| 12          | C       | 12C       | 0.178917909 |
| 12          | C/D     | 12C/D     | 0.23417762  |
| 12          | D       | 12D       | 0.23417762  |
| 12          | W       | 12W       | 0.23417762  |
| 13          | A       | 13A       | 0.028226482 |
| 13          | A/D     | 13A/D     | 0.23417762  |
| 13          | B       | 13B       | 0.098746102 |
| 13          | B/D     | 13B/D     | 0.23417762  |
| 13          | C       | 13C       | 0.178917909 |
| 13          | C/D     | 13C/D     | 0.23417762  |
| 13          | D       | 13D       | 0.23417762  |
| 13          | W       | 13W       | 0.23417762  |
| 14          | A       | 14A       | 0.028226482 |
| 14          | A/D     | 14A/D     | 0.23417762  |
| 14          | B       | 14B       | 0.098746102 |
| 14          | B/D     | 14B/D     | 0.23417762  |
| 14          | C       | 14C       | 0.178917909 |
| 14          | C/D     | 14C/D     | 0.23417762  |
| 14          | D       | 14D       | 0.23417762  |
| 14          | W       | 14W       | 0.23417762  |
| 15          | A       | 15A       | 0.034710942 |
| 15          | A/D     | 15A/D     | 0.245590946 |
| 15          | B       | 15B       | 0.107942945 |
| 15          | B/D     | 15B/D     | 0.245590946 |
| 15          | C       | 15C       | 0.188326905 |
| 15          | C/D     | 15C/D     | 0.245590946 |
| 15          | D       | 15D       | 0.245590946 |
| 15          | W       | 15W       | 0.245590946 |
| 16          | A       | 16A       | 0.120822493 |
| 16          | A/D     | 16A/D     | 0.31529617  |
| 16          | B       | 16B       | 0.189083564 |
| 16          | B/D     | 16B/D     | 0.31529617  |
| 16          | C       | 16C       | 0.263812822 |
| 16          | C/D     | 16C/D     | 0.31529617  |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.31529617  |
| 16          | W       | 16W       | 0.31529617  |
| 17          | A       | 17A       | 0.130748187 |
| 17          | A/D     | 17A/D     | 0.36993953  |
| 17          | B       | 17B       | 0.215073155 |
| 17          | B/D     | 17B/D     | 0.36993953  |
| 17          | C       | 17C       | 0.297584986 |
| 17          | C/D     | 17C/D     | 0.36993953  |
| 17          | D       | 17D       | 0.36993953  |
| 17          | W       | 17W       | 0.36993953  |
| 18          | A       | 18A       | 0.041873753 |
| 18          | A/D     | 18A/D     | 0.27222204  |
| 18          | B       | 18B       | 0.124689678 |
| 18          | B/D     | 18B/D     | 0.27222204  |
| 18          | C       | 18C       | 0.205520923 |
| 18          | C/D     | 18C/D     | 0.27222204  |
| 18          | D       | 18D       | 0.27222204  |
| 18          | W       | 18W       | 0.27222204  |
| 19          | A       | 19A       | 0.02060665  |
| 19          | A/D     | 19A/D     | 0.205520923 |
| 19          | B       | 19B       | 0.077348106 |
| 19          | B/D     | 19B/D     | 0.205520923 |
| 19          | C       | 19C       | 0.148923714 |
| 19          | C/D     | 19C/D     | 0.205520923 |
| 19          | D       | 19D       | 0.205520923 |
| 19          | W       | 19W       | 0.205520923 |
| 20          | A       | 20A       | 0.298861988 |
| 20          | A/D     | 20A/D     | 0.298861988 |
| 20          | B       | 20B       | 0.357623986 |
| 20          | B/D     | 20B/D     | 0.357623986 |
| 20          | C       | 20C       | 0.4166622   |
| 20          | C/D     | 20C/D     | 0.4166622   |
| 20          | D       | 20D       | 0.455247336 |
| 20          | W       | 20W       | 0.455247336 |
| 21          | A       | 21A       | 0.022511608 |
| 21          | A/D     | 21A/D     | 0.224625387 |
| 21          | B       | 21B       | 0.093774835 |
| 21          | B/D     | 21B/D     | 0.224625387 |
| 21          | C       | 21C       | 0.171419361 |
| 21          | C/D     | 21C/D     | 0.224625387 |
| 21          | D       | 21D       | 0.224625387 |
| 21          | W       | 21W       | 0.224625387 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.224625387 |
| 22          | A/D     | 22A/D     | 0.224625387 |
| 22          | B       | 22B       | 0.224625387 |
| 22          | B/D     | 22B/D     | 0.224625387 |
| 22          | C       | 22C       | 0.224625387 |
| 22          | C/D     | 22C/D     | 0.224625387 |
| 22          | D       | 22D       | 0.224625387 |
| 22          | W       | 22W       | 0.224625387 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.427132911 |
| 24          | A/D     | 24A/D     | 0.427132911 |
| 24          | B       | 24B       | 0.427132911 |
| 24          | B/D     | 24B/D     | 0.427132911 |
| 24          | C       | 24C       | 0.427132911 |
| 24          | C/D     | 24C/D     | 0.427132911 |
| 24          | D       | 24D       | 0.427132911 |
| 24          | W       | 24W       | 0.427132911 |
| 25          | A       | 25A       | 0.408969012 |
| 25          | A/D     | 25A/D     | 0.408969012 |
| 25          | B       | 25B       | 0.408969012 |
| 25          | B/D     | 25B/D     | 0.408969012 |
| 25          | C       | 25C       | 0.408969012 |
| 25          | C/D     | 25C/D     | 0.408969012 |
| 25          | D       | 25D       | 0.408969012 |
| 25          | W       | 25W       | 0.408969012 |
| 26          | A       | 26A       | 0.427132911 |
| 26          | A/D     | 26A/D     | 0.427132911 |
| 26          | B       | 26B       | 0.427132911 |
| 26          | B/D     | 26B/D     | 0.427132911 |
| 26          | C       | 26C       | 0.427132911 |
| 26          | C/D     | 26C/D     | 0.427132911 |
| 26          | D       | 26D       | 0.427132911 |
| 26          | W       | 26W       | 0.427132911 |
| 27          | A       | 27A       | 0.022511608 |
| 27          | A/D     | 27A/D     | 0.022511608 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.022511608 |
| 27          | B/D     | 27B/D     | 0.022511608 |
| 27          | C       | 27C       | 0.022511608 |
| 27          | C/D     | 27C/D     | 0.022511608 |
| 27          | D       | 27D       | 0.022511608 |
| 27          | W       | 27W       | 0.022511608 |
| 28          | A       | 28A       | 0.224625387 |
| 28          | A/D     | 28A/D     | 0.224625387 |
| 28          | B       | 28B       | 0.224625387 |
| 28          | B/D     | 28B/D     | 0.224625387 |
| 28          | C       | 28C       | 0.224625387 |
| 28          | C/D     | 28C/D     | 0.224625387 |
| 28          | D       | 28D       | 0.224625387 |
| 28          | W       | 28W       | 0.224625387 |

*Appendix C.11: C Value Table - November*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.029090828 |
| 1           | A/D     | 1A/D      | 0.178189361 |
| 1           | B       | 1B        | 0.079921744 |
| 1           | B/D     | 1B/D      | 0.178189361 |
| 1           | C       | 1C        | 0.135803514 |
| 1           | C/D     | 1C/D      | 0.178189361 |
| 1           | D       | 1D        | 0.178189361 |
| 1           | W       | 1W        | 0.178189361 |
| 2           | A       | 2A        | 0.014978203 |
| 2           | A/D     | 2A/D      | 0.162357288 |
| 2           | B       | 2B        | 0.06458673  |
| 2           | B/D     | 2B/D      | 0.162357288 |
| 2           | C       | 2C        | 0.118623567 |
| 2           | C/D     | 2C/D      | 0.162357288 |
| 2           | D       | 2D        | 0.162357288 |
| 2           | W       | 2W        | 0.162357288 |
| 3           | A       | 3A        | 0.516202293 |
| 3           | A/D     | 3A/D      | 0.516202293 |
| 3           | B       | 3B        | 0.541807606 |
| 3           | B/D     | 3B/D      | 0.541807606 |
| 3           | C       | 3C        | 0.568885444 |
| 3           | C/D     | 3C/D      | 0.568885444 |
| 3           | D       | 3D        | 0.586964675 |
| 3           | W       | 3W        | 0.586964675 |
| 4           | A       | 4A        | 0.018568513 |
| 4           | A/D     | 4A/D      | 0.148381617 |
| 4           | B       | 4B        | 0.058928521 |
| 4           | B/D     | 4B/D      | 0.148381617 |
| 4           | C       | 4C        | 0.108101981 |
| 4           | C/D     | 4C/D      | 0.148381617 |
| 4           | D       | 4D        | 0.148381617 |
| 4           | W       | 4W        | 0.148381617 |
| 5           | A       | 5A        | 0.12388436  |
| 5           | A/D     | 5A/D      | 0.278700616 |
| 5           | B       | 5B        | 0.278700616 |
| 5           | B/D     | 5B/D      | 0.319191821 |
| 5           | C       | 5C        | 0.319191821 |
| 5           | C/D     | 5C/D      | 0.362171306 |
| 5           | D       | 5D        | 0.362171306 |
| 5           | W       | 5W        | 0.392176008 |
| 6           | A       | 6A        | 0.308727975 |
| 6           | A/D     | 6A/D      | 0.308727975 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.308727975 |
| 6           | B/D     | 6B/D      | 0.308727975 |
| 6           | C       | 6C        | 0.308727975 |
| 6           | C/D     | 6C/D      | 0.308727975 |
| 6           | D       | 6D        | 0.308727975 |
| 6           | W       | 6W        | 0.308727975 |
| 7           | A       | 7A        | 0.148381617 |
| 7           | A/D     | 7A/D      | 0.123538536 |
| 7           | B       | 7B        | 0.123538536 |
| 7           | B/D     | 7B/D      | 0.173613077 |
| 7           | C       | 7C        | 0.173613077 |
| 7           | C/D     | 7C/D      | 0.22746243  |
| 7           | D       | 7D        | 0.22746243  |
| 7           | W       | 7W        | 0.267032082 |
| 8           | A       | 8A        | 0.267032082 |
| 8           | A/D     | 8A/D      | 0.111039963 |
| 8           | B       | 8B        | 0.111039963 |
| 8           | B/D     | 8B/D      | 0.158161735 |
| 8           | C       | 8C        | 0.158161735 |
| 8           | C/D     | 8C/D      | 0.210691625 |
| 8           | D       | 8D        | 0.210691625 |
| 8           | W       | 8W        | 0.249343607 |
| 9           | A       | 9A        | 0.249343607 |
| 9           | A/D     | 9A/D      | 0.039900593 |
| 9           | B       | 9B        | 0.039900593 |
| 9           | B/D     | 9B/D      | 0.093694649 |
| 9           | C       | 9C        | 0.093694649 |
| 9           | C/D     | 9C/D      | 0.152574318 |
| 9           | D       | 9D        | 0.152574318 |
| 9           | W       | 9W        | 0.195877836 |
| 10          | A       | 10A       | 0.195877836 |
| 10          | A/D     | 10A/D     | 0.200985706 |
| 10          | B       | 10B       | 0.200985706 |
| 10          | B/D     | 10B/D     | 0.246022785 |
| 10          | C       | 10C       | 0.246022785 |
| 10          | C/D     | 10C/D     | 0.29396514  |
| 10          | D       | 10D       | 0.29396514  |
| 10          | W       | 10W       | 0.32934209  |
| 11          | A       | 11A       | 0.020016965 |
| 11          | A/D     | 11A/D     | 0.162357288 |
| 11          | B       | 11B       | 0.070244938 |
| 11          | B/D     | 11B/D     | 0.162357288 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.12388436  |
| 11          | C/D     | 11C/D     | 0.162357288 |
| 11          | D       | 11D       | 0.162357288 |
| 11          | W       | 11W       | 0.162357288 |
| 12          | A       | 12A       | 0.148381617 |
| 12          | A/D     | 12A/D     | 0.024362322 |
| 12          | B       | 12B       | 0.169345123 |
| 12          | B/D     | 12B/D     | 0.073640308 |
| 12          | C       | 12C       | 0.169345123 |
| 12          | C/D     | 12C/D     | 0.129145153 |
| 12          | D       | 12D       | 0.169345123 |
| 12          | W       | 12W       | 0.169345123 |
| 13          | A       | 13A       | 0.169345123 |
| 13          | A/D     | 13A/D     | 0.024362322 |
| 13          | B       | 13B       | 0.169345123 |
| 13          | B/D     | 13B/D     | 0.073640308 |
| 13          | C       | 13C       | 0.169345123 |
| 13          | C/D     | 13C/D     | 0.129145153 |
| 13          | D       | 13D       | 0.169345123 |
| 13          | W       | 13W       | 0.169345123 |
| 14          | A       | 14A       | 0.169345123 |
| 14          | A/D     | 14A/D     | 0.024362322 |
| 14          | B       | 14B       | 0.169345123 |
| 14          | B/D     | 14B/D     | 0.073640308 |
| 14          | C       | 14C       | 0.169345123 |
| 14          | C/D     | 14C/D     | 0.129145153 |
| 14          | D       | 14D       | 0.169345123 |
| 14          | W       | 14W       | 0.169345123 |
| 15          | A       | 15A       | 0.169345123 |
| 15          | A/D     | 15A/D     | 0.029090828 |
| 15          | B       | 15B       | 0.178189361 |
| 15          | B/D     | 15B/D     | 0.079921744 |
| 15          | C       | 15C       | 0.178189361 |
| 15          | C/D     | 15C/D     | 0.135803514 |
| 15          | D       | 15D       | 0.178189361 |
| 15          | W       | 15W       | 0.178189361 |
| 16          | A       | 16A       | 0.178189361 |
| 16          | A/D     | 16A/D     | 0.111039963 |
| 16          | B       | 16B       | 0.249343607 |
| 16          | B/D     | 16B/D     | 0.158161735 |
| 16          | C       | 16C       | 0.249343607 |
| 16          | C/D     | 16C/D     | 0.210691625 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.249343607 |
| 16          | W       | 16W       | 0.249343607 |
| 17          | A       | 17A       | 0.249343607 |
| 17          | A/D     | 17A/D     | 0.095573866 |
| 17          | B       | 17B       | 0.278743878 |
| 17          | B/D     | 17B/D     | 0.155369452 |
| 17          | C       | 17C       | 0.278743878 |
| 17          | C/D     | 17C/D     | 0.218479777 |
| 17          | D       | 17D       | 0.278743878 |
| 17          | W       | 17W       | 0.278743878 |
| 18          | A       | 18A       | 0.278743878 |
| 18          | A/D     | 18A/D     | 0.034221169 |
| 18          | B       | 18B       | 0.198825915 |
| 18          | B/D     | 18B/D     | 0.091397828 |
| 18          | C       | 18C       | 0.198825915 |
| 18          | C/D     | 18C/D     | 0.148381617 |
| 18          | D       | 18D       | 0.198825915 |
| 18          | W       | 18W       | 0.198825915 |
| 19          | A       | 19A       | 0.018568513 |
| 19          | A/D     | 19A/D     | 0.148381617 |
| 19          | B       | 19B       | 0.058928521 |
| 19          | B/D     | 19B/D     | 0.148381617 |
| 19          | C       | 19C       | 0.108101981 |
| 19          | C/D     | 19C/D     | 0.148381617 |
| 19          | D       | 19D       | 0.148381617 |
| 19          | W       | 19W       | 0.148381617 |
| 20          | A       | 20A       | 0.12388436  |
| 20          | A/D     | 20A/D     | 0.278700616 |
| 20          | B       | 20B       | 0.278700616 |
| 20          | B/D     | 20B/D     | 0.319191821 |
| 20          | C       | 20C       | 0.319191821 |
| 20          | C/D     | 20C/D     | 0.362171306 |
| 20          | D       | 20D       | 0.362171306 |
| 20          | W       | 20W       | 0.392176008 |
| 21          | A       | 21A       | 0.020016965 |
| 21          | A/D     | 21A/D     | 0.162357288 |
| 21          | B       | 21B       | 0.070244938 |
| 21          | B/D     | 21B/D     | 0.162357288 |
| 21          | C       | 21C       | 0.12388436  |
| 21          | C/D     | 21C/D     | 0.162357288 |
| 21          | D       | 21D       | 0.162357288 |
| 21          | W       | 21W       | 0.162357288 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.162357288 |
| 22          | A/D     | 22A/D     | 0.162357288 |
| 22          | B       | 22B       | 0.162357288 |
| 22          | B/D     | 22B/D     | 0.162357288 |
| 22          | C       | 22C       | 0.162357288 |
| 22          | C/D     | 22C/D     | 0.162357288 |
| 22          | D       | 22D       | 0.162357288 |
| 22          | W       | 22W       | 0.162357288 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.308727975 |
| 24          | A/D     | 24A/D     | 0.308727975 |
| 24          | B       | 24B       | 0.308727975 |
| 24          | B/D     | 24B/D     | 0.308727975 |
| 24          | C       | 24C       | 0.308727975 |
| 24          | C/D     | 24C/D     | 0.308727975 |
| 24          | D       | 24D       | 0.308727975 |
| 24          | W       | 24W       | 0.308727975 |
| 25          | A       | 25A       | 0.295440365 |
| 25          | A/D     | 25A/D     | 0.295440365 |
| 25          | B       | 25B       | 0.295440365 |
| 25          | B/D     | 25B/D     | 0.295440365 |
| 25          | C       | 25C       | 0.295440365 |
| 25          | C/D     | 25C/D     | 0.295440365 |
| 25          | D       | 25D       | 0.295440365 |
| 25          | W       | 25W       | 0.295440365 |
| 26          | A       | 26A       | 0.308727975 |
| 26          | A/D     | 26A/D     | 0.308727975 |
| 26          | B       | 26B       | 0.308727975 |
| 26          | B/D     | 26B/D     | 0.308727975 |
| 26          | C       | 26C       | 0.308727975 |
| 26          | C/D     | 26C/D     | 0.308727975 |
| 26          | D       | 26D       | 0.308727975 |
| 26          | W       | 26W       | 0.308727975 |
| 27          | A       | 27A       | 0.020016965 |
| 27          | A/D     | 27A/D     | 0.020016965 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.020016965 |
| 27          | B/D     | 27B/D     | 0.020016965 |
| 27          | C       | 27C       | 0.020016965 |
| 27          | C/D     | 27C/D     | 0.020016965 |
| 27          | D       | 27D       | 0.020016965 |
| 27          | W       | 27W       | 0.020016965 |
| 28          | A       | 28A       | 0.162357288 |
| 28          | A/D     | 28A/D     | 0.162357288 |
| 28          | B       | 28B       | 0.162357288 |
| 28          | B/D     | 28B/D     | 0.162357288 |
| 28          | C       | 28C       | 0.162357288 |
| 28          | C/D     | 28C/D     | 0.162357288 |
| 28          | D       | 28D       | 0.162357288 |
| 28          | W       | 28W       | 0.162357288 |

## *Appendix C.12: C Value Table - December*

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 1           | A       | 1A        | 0.0045377   |
| 1           | A/D     | 1A/D      | 0.096372602 |
| 1           | B       | 1B        | 0.024452979 |
| 1           | B/D     | 1B/D      | 0.096372602 |
| 1           | C       | 1C        | 0.060351873 |
| 1           | C/D     | 1C/D      | 0.096372602 |
| 1           | D       | 1D        | 0.096372602 |
| 1           | W       | 1W        | 0.096372602 |
| 2           | A       | 2A        | 0.00116762  |
| 2           | A/D     | 2A/D      | 0.082155307 |
| 2           | B       | 2B        | 0.017142768 |
| 2           | B/D     | 2B/D      | 0.082155307 |
| 2           | C       | 2C        | 0.048078915 |
| 2           | C/D     | 2C/D      | 0.082155307 |
| 2           | D       | 2D        | 0.082155307 |
| 2           | W       | 2W        | 0.082155307 |
| 3           | A       | 3A        | 0.49692773  |
| 3           | A/D     | 3A/D      | 0.49692773  |
| 3           | B       | 3B        | 0.516173343 |
| 3           | B/D     | 3B/D      | 0.516173343 |
| 3           | C       | 3C        | 0.542773865 |
| 3           | C/D     | 3C/D      | 0.542773865 |
| 3           | D       | 3D        | 0.562602455 |
| 3           | W       | 3W        | 0.562602455 |
| 4           | A       | 4A        | 0.005631574 |
| 4           | A/D     | 4A/D      | 0.087021964 |
| 4           | B       | 4B        | 0.028771368 |
| 4           | B/D     | 4B/D      | 0.087021964 |
| 4           | C       | 4C        | 0.05878615  |
| 4           | C/D     | 4C/D      | 0.087021964 |
| 4           | D       | 4D        | 0.087021964 |
| 4           | W       | 4W        | 0.087021964 |
| 5           | A       | 5A        | 0.251280494 |
| 5           | A/D     | 5A/D      | 0.251280494 |
| 5           | B       | 5B        | 0.273624535 |
| 5           | B/D     | 5B/D      | 0.273624535 |
| 5           | C       | 5C        | 0.308260005 |
| 5           | C/D     | 5C/D      | 0.308260005 |
| 5           | D       | 5D        | 0.33723538  |
| 5           | W       | 5W        | 0.33723538  |
| 6           | A       | 6A        | 0.18488828  |
| 6           | A/D     | 6A/D      | 0.18488828  |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 6           | B       | 6B        | 0.18488828  |
| 6           | B/D     | 6B/D      | 0.18488828  |
| 6           | C       | 6C        | 0.18488828  |
| 6           | C/D     | 6C/D      | 0.18488828  |
| 6           | D       | 6D        | 0.18488828  |
| 6           | W       | 6W        | 0.18488828  |
| 7           | A       | 7A        | 0.090337554 |
| 7           | A/D     | 7A/D      | 0.090337554 |
| 7           | B       | 7B        | 0.115205537 |
| 7           | B/D     | 7B/D      | 0.115205537 |
| 7           | C       | 7C        | 0.156021712 |
| 7           | C/D     | 7C/D      | 0.156021712 |
| 7           | D       | 7D        | 0.193382557 |
| 7           | W       | 7W        | 0.193382557 |
| 8           | A       | 8A        | 0.086118231 |
| 8           | A/D     | 8A/D      | 0.086118231 |
| 8           | B       | 8B        | 0.105951033 |
| 8           | B/D     | 8B/D      | 0.105951033 |
| 8           | C       | 8C        | 0.142251122 |
| 8           | C/D     | 8C/D      | 0.142251122 |
| 8           | D       | 8D        | 0.176423458 |
| 8           | W       | 8W        | 0.176423458 |
| 9           | A       | 9A        | 0.007891539 |
| 9           | A/D     | 9A/D      | 0.007891539 |
| 9           | B       | 9B        | 0.032032775 |
| 9           | B/D     | 9B/D      | 0.032032775 |
| 9           | C       | 9C        | 0.074122463 |
| 9           | C/D     | 9C/D      | 0.074122463 |
| 9           | D       | 9D        | 0.113331701 |
| 9           | W       | 9W        | 0.113331701 |
| 10          | A       | 10A       | 0.170703682 |
| 10          | A/D     | 10A/D     | 0.170703682 |
| 10          | B       | 10B       | 0.193992497 |
| 10          | B/D     | 10B/D     | 0.193992497 |
| 10          | C       | 10C       | 0.231035666 |
| 10          | C/D     | 10C/D     | 0.231035666 |
| 10          | D       | 10D       | 0.264953863 |
| 10          | W       | 10W       | 0.264953863 |
| 11          | A       | 11A       | 0.006448257 |
| 11          | A/D     | 11A/D     | 0.097231097 |
| 11          | B       | 11B       | 0.035182953 |
| 11          | B/D     | 11B/D     | 0.097231097 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 11          | C       | 11C       | 0.069602159 |
| 11          | C/D     | 11C/D     | 0.097231097 |
| 11          | D       | 11D       | 0.097231097 |
| 11          | W       | 11W       | 0.097231097 |
| 12          | A       | 12A       | 0.003226665 |
| 12          | A/D     | 12A/D     | 0.087893053 |
| 12          | B       | 12B       | 0.021266755 |
| 12          | B/D     | 12B/D     | 0.087893053 |
| 12          | C       | 12C       | 0.055495854 |
| 12          | C/D     | 12C/D     | 0.087893053 |
| 12          | D       | 12D       | 0.087893053 |
| 12          | W       | 12W       | 0.087893053 |
| 13          | A       | 13A       | 0.003226665 |
| 13          | A/D     | 13A/D     | 0.087893053 |
| 13          | B       | 13B       | 0.021266755 |
| 13          | B/D     | 13B/D     | 0.087893053 |
| 13          | C       | 13C       | 0.055495854 |
| 13          | C/D     | 13C/D     | 0.087893053 |
| 13          | D       | 13D       | 0.087893053 |
| 13          | W       | 13W       | 0.087893053 |
| 14          | A       | 14A       | 0.003226665 |
| 14          | A/D     | 14A/D     | 0.087893053 |
| 14          | B       | 14B       | 0.021266755 |
| 14          | B/D     | 14B/D     | 0.087893053 |
| 14          | C       | 14C       | 0.055495854 |
| 14          | C/D     | 14C/D     | 0.087893053 |
| 14          | D       | 14D       | 0.087893053 |
| 14          | W       | 14W       | 0.087893053 |
| 15          | A       | 15A       | 0.0045377   |
| 15          | A/D     | 15A/D     | 0.096372602 |
| 15          | B       | 15B       | 0.024452979 |
| 15          | B/D     | 15B/D     | 0.096372602 |
| 15          | C       | 15C       | 0.060351873 |
| 15          | C/D     | 15C/D     | 0.096372602 |
| 15          | D       | 15D       | 0.096372602 |
| 15          | W       | 15W       | 0.096372602 |
| 16          | A       | 16A       | 0.086118231 |
| 16          | A/D     | 16A/D     | 0.176423458 |
| 16          | B       | 16B       | 0.105951033 |
| 16          | B/D     | 16B/D     | 0.176423458 |
| 16          | C       | 16C       | 0.142251122 |
| 16          | C/D     | 16C/D     | 0.176423458 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 16          | D       | 16D       | 0.176423458 |
| 16          | W       | 16W       | 0.176423458 |
| 17          | A       | 17A       | 0.033158323 |
| 17          | A/D     | 17A/D     | 0.201096961 |
| 17          | B       | 17B       | 0.076417561 |
| 17          | B/D     | 17B/D     | 0.201096961 |
| 17          | C       | 17C       | 0.135001661 |
| 17          | C/D     | 17C/D     | 0.201096961 |
| 17          | D       | 17D       | 0.201096961 |
| 17          | W       | 17W       | 0.201096961 |
| 18          | A       | 18A       | 0.006035567 |
| 18          | A/D     | 18A/D     | 0.116158217 |
| 18          | B       | 18B       | 0.030657105 |
| 18          | B/D     | 18B/D     | 0.116158217 |
| 18          | C       | 18C       | 0.070679816 |
| 18          | C/D     | 18C/D     | 0.116158217 |
| 18          | D       | 18D       | 0.116158217 |
| 18          | W       | 18W       | 0.116158217 |
| 19          | A       | 19A       | 0.005631574 |
| 19          | A/D     | 19A/D     | 0.087021964 |
| 19          | B       | 19B       | 0.028771368 |
| 19          | B/D     | 19B/D     | 0.087021964 |
| 19          | C       | 19C       | 0.05878615  |
| 19          | C/D     | 19C/D     | 0.087021964 |
| 19          | D       | 19D       | 0.087021964 |
| 19          | W       | 19W       | 0.087021964 |
| 20          | A       | 20A       | 0.251280494 |
| 20          | A/D     | 20A/D     | 0.251280494 |
| 20          | B       | 20B       | 0.273624535 |
| 20          | B/D     | 20B/D     | 0.273624535 |
| 20          | C       | 20C       | 0.308260005 |
| 20          | C/D     | 20C/D     | 0.308260005 |
| 20          | D       | 20D       | 0.33723538  |
| 20          | W       | 20W       | 0.33723538  |
| 21          | A       | 21A       | 0.006448257 |
| 21          | A/D     | 21A/D     | 0.097231097 |
| 21          | B       | 21B       | 0.035182953 |
| 21          | B/D     | 21B/D     | 0.097231097 |
| 21          | C       | 21C       | 0.069602159 |
| 21          | C/D     | 21C/D     | 0.097231097 |
| 21          | D       | 21D       | 0.097231097 |
| 21          | W       | 21W       | 0.097231097 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 22          | A       | 22A       | 0.097231097 |
| 22          | A/D     | 22A/D     | 0.097231097 |
| 22          | B       | 22B       | 0.097231097 |
| 22          | B/D     | 22B/D     | 0.097231097 |
| 22          | C       | 22C       | 0.097231097 |
| 22          | C/D     | 22C/D     | 0.097231097 |
| 22          | D       | 22D       | 0.097231097 |
| 22          | W       | 22W       | 0.097231097 |
| 23          | A       | 23A       | 1           |
| 23          | A/D     | 23A/D     | 1           |
| 23          | B       | 23B       | 1           |
| 23          | B/D     | 23B/D     | 1           |
| 23          | C       | 23C       | 1           |
| 23          | C/D     | 23C/D     | 1           |
| 23          | D       | 23D       | 1           |
| 23          | W       | 23W       | 1           |
| 24          | A       | 24A       | 0.18488828  |
| 24          | A/D     | 24A/D     | 0.18488828  |
| 24          | B       | 24B       | 0.18488828  |
| 24          | B/D     | 24B/D     | 0.18488828  |
| 24          | C       | 24C       | 0.18488828  |
| 24          | C/D     | 24C/D     | 0.18488828  |
| 24          | D       | 24D       | 0.18488828  |
| 24          | W       | 24W       | 0.18488828  |
| 25          | A       | 25A       | 0.175181771 |
| 25          | A/D     | 25A/D     | 0.175181771 |
| 25          | B       | 25B       | 0.175181771 |
| 25          | B/D     | 25B/D     | 0.175181771 |
| 25          | C       | 25C       | 0.175181771 |
| 25          | C/D     | 25C/D     | 0.175181771 |
| 25          | D       | 25D       | 0.175181771 |
| 25          | W       | 25W       | 0.175181771 |
| 26          | A       | 26A       | 0.18488828  |
| 26          | A/D     | 26A/D     | 0.18488828  |
| 26          | B       | 26B       | 0.18488828  |
| 26          | B/D     | 26B/D     | 0.18488828  |
| 26          | C       | 26C       | 0.18488828  |
| 26          | C/D     | 26C/D     | 0.18488828  |
| 26          | D       | 26D       | 0.18488828  |
| 26          | W       | 26W       | 0.18488828  |
| 27          | A       | 27A       | 0.006448257 |
| 27          | A/D     | 27A/D     | 0.006448257 |

| Land_Use_ID | HydroGP | LUC_HYDRO | C           |
|-------------|---------|-----------|-------------|
| 27          | B       | 27B       | 0.006448257 |
| 27          | B/D     | 27B/D     | 0.006448257 |
| 27          | C       | 27C       | 0.006448257 |
| 27          | C/D     | 27C/D     | 0.006448257 |
| 27          | D       | 27D       | 0.006448257 |
| 27          | W       | 27W       | 0.006448257 |
| 28          | A       | 28A       | 0.097231097 |
| 28          | A/D     | 28A/D     | 0.097231097 |
| 28          | B       | 28B       | 0.097231097 |
| 28          | B/D     | 28B/D     | 0.097231097 |
| 28          | C       | 28C       | 0.097231097 |
| 28          | C/D     | 28C/D     | 0.097231097 |
| 28          | D       | 28D       | 0.097231097 |
| 28          | W       | 28W       | 0.097231097 |

*Appendix D: Impoundment Identification Table*

| ImpoundID | ImpounName         | Shape_Length | Shape_Area  |
|-----------|--------------------|--------------|-------------|
| 1         | No Name            | 1605.471637  | 101309.805  |
| 2         | No Name            | 1566.269659  | 127726.3824 |
| 3         | Vans Island        | 2084.661831  | 112896.5682 |
| 4         | No Name            | 640.4267906  | 24981.44069 |
| 5         | No Name            | 1481.617073  | 51169.27238 |
| 6         | Wigeon Bay Island  | 1086.571133  | 40906.01807 |
| 7         | Cucumber Island    | 1644.558655  | 37728.71236 |
| 8         | No Name            | 1442.328257  | 86343.35758 |
| 9         | No Name            | 1459.83199   | 103265.1419 |
| 10        | Turtle Pen Point   | 1143.449254  | 36561.21774 |
| 11        | No Name            | 727.6719265  | 19368.98945 |
| 12        | Big Island         | 1602.857341  | 134599.1176 |
| 13        | No Name            | 946.0802329  | 39719.57251 |
| 14        | Grassy Point West  | 2337.855963  | 103987.8831 |
| 15        | Grassy Point East  | 538.9671825  | 14085.68291 |
| 16        | T-34               | 2815.580401  | 232127.7058 |
| 17        | T-35               | 6974.23742   | 440015.6212 |
| 18        | T-37B              | 3017.75179   | 237761.8089 |
| 19        | T-37A              | 2668.672484  | 114428.3835 |
| 20        | Picnic Island      | 2784.988949  | 253649.7857 |
| 21        | T-30               | 3859.79171   | 316108.4263 |
| 22        | C-15E              | 6898.35015   | 1139216.779 |
| 23        | C-21B              | 9719.352686  | 4415688.911 |
| 24        | C-21D              | 6936.988305  | 382821.6238 |
| 25        | C-21C South        | 3486.857354  | 159438.4054 |
| 26        | V-1                | 5336.851306  | 357382.6492 |
| 27        | V-2                | 3193.279845  | 246671.0215 |
| 28        | V-5                | 2277.838671  | 188490.8654 |
| 29        | T-45               | 3657.408535  | 161425.2635 |
| 30        | T-39N              | 3259.030505  | 117023.104  |
| 31        | T-9                | 4440.931143  | 597704.7362 |
| 32        | T-10K              | 7690.634316  | 2158642.763 |
| 33        | Air Force Restored | 3377.10456   | 227973.3659 |
| 34        | T-27B              | 11500.11566  | 2902173.718 |
| 35        | T-27A              | 27736.16539  | 5636273.752 |

|    |                  |             |             |
|----|------------------|-------------|-------------|
| 36 | Shiloh 1 North   | 8745.174512 | 1506638.627 |
| 37 | Shiloh 1 South B | 5620.87088  | 746106.4018 |
| 38 | T-21             | 5700.981778 | 317967.5795 |
| 39 | Shiloh 1 South A | 2374.544726 | 263676.4919 |
| 40 | Shiloh 5         | 17242.77541 | 3682447.059 |
| 41 | Shiloh 3         | 6693.318492 | 1308488.592 |
| 42 | T-10L            | 10948.1574  | 2899266.759 |
| 43 | T-10J            | 7718.17747  | 2321873.613 |
| 44 | T-10H            | 7406.481455 | 1353435.253 |
| 45 | T-10M            | 15935.9886  | 4315276.912 |
| 46 | T-10 I North     | 4095.485697 | 724077.5517 |
| 47 | T-10 I South     | 4103.509127 | 950811.0828 |
| 48 | T-10G            | 6839.404691 | 1326803.515 |
| 49 | T-10E            | 2626.356364 | 259189.3247 |
| 50 | T-10D            | 3535.961956 | 699487.7893 |
| 51 | T-10C            | 2636.33765  | 254801.8294 |
| 52 | T-10F            | 3250.907899 | 553185.0561 |
| 53 | T-18A            | 6962.902907 | 809880.5858 |
| 54 | T-24D            | 17262.1124  | 11539770.3  |
| 55 | T-24B            | 3874.103941 | 879196.0447 |
| 56 | T-24A            | 3808.545221 | 490719.4567 |
| 57 | T-24C            | 4790.098134 | 851745.7244 |
| 58 | T-16             | 10519.20365 | 3612899.82  |
| 59 | T-17             | 6179.794296 | 1458009.075 |
| 60 | C-20C            | 6714.228806 | 1398143.932 |
| 61 | C-20A            | 16829.01002 | 3635195.66  |
| 62 | C-20B            | 4165.370924 | 762548.5055 |
| 63 | C21-36           | 7421.423187 | 1634420.862 |
| 64 | T-10-B           | 2602.83029  | 155764.5616 |
| 65 | T-18-B           | 4725.32337  | 376261.4801 |
| 66 | T-27-D           | 14500.01048 | 2416764.519 |
| 67 | T-33-A           | 3529.134664 | 346671.4317 |
| 68 | T-29-A           | 4722.770794 | 567721.2271 |
| 69 | T-29-B           | 4443.771128 | 658903.9725 |
| 70 | V-3              | 7180.75679  | 1733738.649 |
| 71 | V-4              | 5991.656301 | 739571.8817 |

|     |                         |             |             |
|-----|-------------------------|-------------|-------------|
| 72  | T-44                    | 9021.857068 | 1051385.426 |
| 73  | T-43                    | 10151.06333 | 1925201.821 |
| 74  | T-42                    | 7828.015535 | 476143.5204 |
| 75  | T-40                    | 10580.81995 | 1049264.809 |
| 76  | T-39-S                  | 6283.573339 | 298067.801  |
| 77  | T-38                    | 9061.07256  | 1063809.327 |
| 78  | T-25-A                  | 7399.877902 | 1446030.769 |
| 79  | T-25-B                  | 5768.183752 | 446111.3785 |
| 80  | T-25-D                  | 2689.331361 | 206077.0192 |
| 81  | T-25-C                  | 4054.536714 | 380481.9815 |
| 82  | T-28-A                  | 3327.151937 | 114208.2224 |
| 83  | T-28-B                  | 5788.865214 | 863266.4496 |
| 84  | C-21-C N                | 13322.08956 | 902953.7619 |
| 85  | C-15-D                  | 9240.462365 | 1868987.522 |
| 86  | C-15-C                  | 11074.8796  | 5920017.616 |
| 87  | C-15-B                  | 6595.86801  | 2242122.015 |
| 88  | GATOR CK                | 22886.02402 | 2202669.49  |
| 89  | MOORE CK                | 19370.84008 | 2342056.757 |
| 90  | Air Force               | 2404.816051 | 189522.5424 |
| 91  | T-33-B                  | 7431.463482 | 413944.2269 |
| 92  | T-33-C                  | 7938.954791 | 894702.7506 |
| 93  | CCAFS B                 | 8526.506255 | 3924673.746 |
| 94  | CCAFS C                 | 5182.418435 | 1234292.719 |
| 95  | Triangle                | 4250.740592 | 564062.997  |
| 96  | T-10 A                  | 2999.895194 | 294385.5809 |
| 97  | T-41                    | 5392.276473 | 118466.3168 |
| 98  | Shiloh 1 North Restored | 2283.906676 | 131774.0875 |
| 99  | T-43                    | 2702.430428 | 344682.3805 |
| 100 | 1.1                     | 20374.49191 | 6280576.249 |
| 101 | 1.3                     | 16936.56649 | 2073591.773 |
| 102 | 1 SEBASTIAN INLET SP    | 3414.795886 | 578185.279  |
| 103 | 3 PETES                 | 3698.153667 | 599835.5782 |
| 104 | 2 BIRDS                 | 4357.942344 | 654701.3997 |
| 105 | 4 DEERFIELD NORTH       | 3170.029451 | 205307.2267 |
| 106 | 5 DEERFIELD SOUTH       | 2237.240184 | 121932.8871 |
| 107 | 6 PINE ISLAND           | 8003.604296 | 1297616.189 |

|     |                         |             |             |
|-----|-------------------------|-------------|-------------|
| 108 | 7 HOLE-IN-THE-WALL      | 3100.55644  | 481688.4412 |
| 109 | 8 WATER TOWER           | 4151.24539  | 614926.9726 |
| 110 | 9 SAND POINT            | 3305.521587 | 565715.6232 |
| 111 | 26 TRIANGLE             | 1014.165705 | 56871.99023 |
| 112 | 25 GIFFORD PLOTS (LAB)  | 2742.386732 | 323648.6035 |
| 113 | 24 NORTH JOHN KNIGHTS   | 1934.420333 | 178381.9387 |
| 114 | 23 SOUTH JOHN KNIGHTS   | 1782.390109 | 155457.2995 |
| 115 | 22 GOLF COURSE          | 3040.188135 | 367972.5565 |
| 116 | 30A NORTH VICKERS A     | 1464.181327 | 75879.81267 |
| 117 | 30A NORTH VICKERS B     | 1161.719892 | 72761.46834 |
| 118 | 30A NORTH VICKERS C     | 1280.945935 | 81593.77946 |
| 119 | 30B SOUTH VICKERS       | 890.6302279 | 47721.15843 |
| 120 | 29 MORGANS A            | 1290.077749 | 68060.70557 |
| 121 | 29 MORGANS B            | 1517.524629 | 103567.9165 |
| 122 | 29 MORGANS C            | 951.1594368 | 56743.95831 |
| 123 | 29 MORGANS D            | 881.6046135 | 42029.94417 |
| 124 | 28 NORTH WINTER BEACH A | 2557.374076 | 158212.6251 |
| 125 | 28 NORTH WINTER BEACH B | 1205.449786 | 60617.67989 |
| 126 | 28 NORTH WINTER BEACH C | 881.0580859 | 49842.56227 |
| 127 | 27N SOUTH WINTER BEACH  | 953.8018181 | 43681.84852 |
| 128 | 27S TIMINSKY            | 1816.517028 | 90609.59655 |
| 129 | 21 SCHLITTS             | 2138.737213 | 164588.8629 |
| 130 | 19 NORTH VISTA ROYALE   | 1904.607327 | 208152.563  |
| 131 | 18 SOUTH VISTA ROYALE   | 4531.244137 | 577939.2625 |
| 132 | 17 LOWENSTEINS          | 2076.229539 | 224209.5774 |
| 133 | 16 NORTH BILLS          | 2197.525471 | 164299.6431 |
| 134 | 15 MIDDLE BILLS         | 1937.628047 | 181087.6466 |
| 135 | 14 SOUTH BILLS          | 1174.480428 | 88339.17692 |
| 136 | 13 VERO SHORES          | 1780.808514 | 152098.1094 |
| 137 | 10A MOORINGS NORTH      | 1552.652618 | 121921.8338 |
| 138 | 10B MOORINGS SOUTH      | 812.6095781 | 38302.87792 |
| 139 | 11 OYSTER BAR           | 4126.946999 | 640679.3337 |
| 140 | 12 COUNTY LINE          | 2324.461562 | 265906.1474 |
| 141 | CAMPBELLS COVE          | 3909.406721 | 275190.3307 |
| 142 | LONG POINT              | 6070.868686 | 608792.3004 |
| 143 | NANCY CREEK             | 2377.792789 | 68529.92395 |

|     |                           |             |             |
|-----|---------------------------|-------------|-------------|
| 144 | LATHAM HOTEL              | 3174.760151 | 111023.334  |
| 145 | SUNNYLAND                 | 2012.917031 | 243672.0395 |
| 146 | JOHN SMITH                | 6842.058174 | 636443.3063 |
| 147 | NORTH SIPHON              | 850.1009924 | 33611.22958 |
| 148 | HOG POINT                 | 7213.342323 | 427279.0092 |
| 149 | SOUTH SIPHON              | 1020.00017  | 65171.66257 |
| 150 | NORTH GROVE               | 4801.67877  | 232494.419  |
| 151 | 19D DOUBLOON ISLAND       | 837.4274075 | 45955.54263 |
| 152 | 23 AVALON SP              | 7803.302596 | 956471.8501 |
| 153 | 24 AVALON ADDITION        | 3989.775275 | 307875.679  |
| 154 | 19B QUEENS ISLAND         | 4698.149747 | 1052627.437 |
| 155 | 19A FISH HOUSE COVE       | 3929.487748 | 646267.576  |
| 156 | 16A JACK ISLAND PRESERVE  | 6921.855016 | 1608648.366 |
| 157 | 21 QUEENS ROAD            | 2917.748516 | 237499.3007 |
| 158 | 17D JACK ISLAND ACCESS    | 486.998049  | 8860.992367 |
| 159 | 17C JACKSON WAY           | 874.0747224 | 25735.31362 |
| 160 | 17B PEPPER PARK           | 1024.758462 | 32457.89763 |
| 161 | 17A WILDCAT COVE          | 3693.66338  | 489618.9264 |
| 162 | 20A WATER PLANT           | 947.21006   | 18341.47669 |
| 163 | 15B LITTLE JIM            | 2166.847461 | 200012.7762 |
| 164 | 15A MANGROVE ISLAND       | 1233.169492 | 49417.22804 |
| 165 | 25P JIM ISLAND            | 790.4945574 | 35638.75235 |
| 166 | 18A FORT PIERCE INLET SP  | 4340.11618  | 738580.0413 |
| 167 | 1 AVALON SP (BEAR POINT)  | 7167.721155 | 2462154.618 |
| 168 | 2 BROOKS                  | 4117.578965 | 696040.9913 |
| 169 | 3 GREEN TURTLE            | 3480.82834  | 488359.7642 |
| 170 | 4 VITOLO                  | 3848.391242 | 805063.578  |
| 171 | 4SE VITOLO SE             | 1978.80722  | 171270.5688 |
| 172 | 5 BLIND CREEK NORTH       | 4670.097049 | 631251.3767 |
| 173 | 6 BLIND CREEK SOUTH       | 5948.624689 | 1425166.38  |
| 174 | 7 OCEAN BAY               | 4091.623083 | 964893.1367 |
| 175 | 8A POWER PLANT            | 1709.781275 | 180857.8046 |
| 176 | 8B POWER PLANT PARK POINT | 1699.431038 | 140535.9018 |
| 177 | 8I MYG                    | 429.3368986 | 9353.425154 |
| 178 | 8J KONOPUS                | 898.2573508 | 21136.76137 |
| 179 | 8C POWER PLANT ELBOW      | 2354.490865 | 240697.7376 |

|     |                           |             |             |
|-----|---------------------------|-------------|-------------|
| 180 | 8D POWER PLANT PIT        | 827.5222748 | 29561.53523 |
| 181 | 8E THE KEY                | 1889.298297 | 198136.1567 |
| 182 | 8F MUSKETA                | 537.6087586 | 18989.36302 |
| 183 | 8G ZANCUDOS               | 685.2989128 | 19240.24908 |
| 184 | 8H STECHMUKEN             | 261.2184597 | 3284.580235 |
| 185 | 9 OCEAN BAY PRESERVE      | 4285.741476 | 527964.1868 |
| 186 | 10A DOLLMAN               | 3054.818167 | 506833.1492 |
| 187 | 10B PEPPER LANE           | 3254.537621 | 320205.2386 |
| 188 | 1 BREVARD COUNTY          | 2293.211885 | 124152.9781 |
| 189 | SOUTH MERRITT ISLAND A    | 4790.972154 | 606165.8081 |
| 190 | 10 TWO OAKS               | 1358.220194 | 99903.13912 |
| 191 | S 1                       | 10318.18943 | 1136680.174 |
| 192 | 11B AQUA RA               | 2238.858662 | 97872.01285 |
| 193 | C-2S SYKES CREEK SOUTH C* | 12021.715   | 5228573.171 |
| 194 | C-2N SYKES CREEK NORTH C* | 8623.680431 | 3026295.055 |
| 195 | SOUTH MERRITT ISLAND C    | 4065.505767 | 322075.1847 |
| 196 | 4 SOUTH MERRITT ISLAND B  | 2824.72522  | 206805.7364 |
| 197 | 11 BREVARD                | 966.5992249 | 45046.48708 |
| 198 | C-3 NEWFOUND HARBOR       | 1215.438461 | 54892.38559 |
| 199 | 20 VISTA GARDENS          | 3834.149014 | 406183.4991 |
| 200 | GRAND HARBOR              | 2981.734608 | 361056.1745 |
| 201 | 14C HARBOR BRANCH NORTH   | 6119.744506 | 758943.3018 |
| 202 | 14B HARBOR BRANCH SOUTH   | 1773.540262 | 138599.1467 |
| 203 | 14A WILCOX                | 1407.831566 | 94191.90684 |
| 204 | 10A DOLLMAN SOUTH         | 3549.583433 | 508369.7987 |
| 205 | 2 BREVARD                 | 1474.451415 | 140030.3064 |
| 206 | T-27C                     | 9069.525346 | 3342685.491 |

*Appendix E.1: Impoundment Schedule Table, Year 1995*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | NO DISCHARGE   |
| 60         | Reconnected            | 345.455899    | Yes       | NO CHANGE      |
| 36         | Reconnected            | 372.2568953   | Yes       | ROTATIONAL     |
| 37         | Reconnected            | 184.3465536   | Yes       | ROTATIONAL     |
| 39         | Reconnected            | 65.14867332   | Yes       | ROTATIONAL     |
| 40         | Reconnected            | 909.8476749   | Yes       | ROTATIONAL     |
| 41         | Reconnected            | 323.297889    | Yes       | ROTATIONAL     |
| 46         | Reconnected            | 178.9039382   | Yes       | ROTATIONAL     |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | ROTATIONAL     |
| 51         | Reconnected            | 62.95595214   | Yes       | ROTATIONAL     |
| 54         | Reconnected            | 2851.233065   | Yes       | ROTATIONAL     |
| 55         | Reconnected            | 217.230335    | Yes       | ROTATIONAL     |
| 57         | Reconnected            | 210.4477956   | Yes       | ROTATIONAL     |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | ROTATIONAL     |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | ROTATIONAL     |
| 206        |                        | 825.9194969   | No        | ROTATIONAL     |
| 30         | Restored               | 28.91426667   | Yes       | ROTATIONAL     |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.2: Impoundment Schedule Table, Year 1996*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | NO DISCHARGE   |
| 60         | Reconnected            | 345.455899    | Yes       | NO CHANGE      |
| 36         | Reconnected            | 372.2568953   | Yes       | ROTATIONAL     |
| 37         | Reconnected            | 184.3465536   | Yes       | ROTATIONAL     |
| 39         | Reconnected            | 65.14867332   | Yes       | ROTATIONAL     |
| 40         | Reconnected            | 909.8476749   | Yes       | ROTATIONAL     |
| 41         | Reconnected            | 323.297889    | Yes       | ROTATIONAL     |
| 46         | Reconnected            | 178.9039382   | Yes       | ROTATIONAL     |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | ROTATIONAL     |
| 51         | Reconnected            | 62.95595214   | Yes       | ROTATIONAL     |
| 54         | Reconnected            | 2851.233065   | Yes       | ROTATIONAL     |
| 55         | Reconnected            | 217.230335    | Yes       | ROTATIONAL     |
| 57         | Reconnected            | 210.4477956   | Yes       | ROTATIONAL     |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | ROTATIONAL     |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | ROTATIONAL     |
| 206        |                        | 825.9194969   | No        | ROTATIONAL     |
| 30         | Restored               | 28.91426667   | Yes       | ROTATIONAL     |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.3: Impoundment Schedule Table, Year 1997*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | NO DISCHARGE   |
| 60         | Reconnected            | 345.455899    | Yes       | NO CHANGE      |
| 36         | Reconnected            | 372.2568953   | Yes       | ROTATIONAL     |
| 37         | Reconnected            | 184.3465536   | Yes       | ROTATIONAL     |
| 39         | Reconnected            | 65.14867332   | Yes       | ROTATIONAL     |
| 40         | Reconnected            | 909.8476749   | Yes       | ROTATIONAL     |
| 41         | Reconnected            | 323.297889    | Yes       | ROTATIONAL     |
| 46         | Reconnected            | 178.9039382   | Yes       | ROTATIONAL     |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | ROTATIONAL     |
| 51         | Reconnected            | 62.95595214   | Yes       | ROTATIONAL     |
| 54         | Reconnected            | 2851.233065   | Yes       | ROTATIONAL     |
| 55         | Reconnected            | 217.230335    | Yes       | ROTATIONAL     |
| 57         | Reconnected            | 210.4477956   | Yes       | ROTATIONAL     |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | ROTATIONAL     |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | ROTATIONAL     |
| 206        |                        | 825.9194969   | No        | ROTATIONAL     |
| 30         | Restored               | 28.91426667   | Yes       | ROTATIONAL     |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.4: Impoundment Schedule Table, Year 1998*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | NO DISCHARGE   |
| 60         | Reconnected            | 345.455899    | Yes       | NO CHANGE      |
| 36         | Reconnected            | 372.2568953   | Yes       | ROTATIONAL     |
| 37         | Reconnected            | 184.3465536   | Yes       | ROTATIONAL     |
| 39         | Reconnected            | 65.14867332   | Yes       | ROTATIONAL     |
| 40         | Reconnected            | 909.8476749   | Yes       | ROTATIONAL     |
| 41         | Reconnected            | 323.297889    | Yes       | ROTATIONAL     |
| 46         | Reconnected            | 178.9039382   | Yes       | ROTATIONAL     |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | ROTATIONAL     |
| 51         | Reconnected            | 62.95595214   | Yes       | ROTATIONAL     |
| 54         | Reconnected            | 2851.233065   | Yes       | ROTATIONAL     |
| 55         | Reconnected            | 217.230335    | Yes       | ROTATIONAL     |
| 57         | Reconnected            | 210.4477956   | Yes       | ROTATIONAL     |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | ROTATIONAL     |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | ROTATIONAL     |
| 206        |                        | 825.9194969   | No        | ROTATIONAL     |
| 30         | Restored               | 28.91426667   | Yes       | ROTATIONAL     |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.5: Impoundment Schedule Table, Year 1999*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | NO DISCHARGE   |
| 60         | Reconnected            | 345.455899    | Yes       | NO CHANGE      |
| 36         | Reconnected            | 372.2568953   | Yes       | ROTATIONAL     |
| 37         | Reconnected            | 184.3465536   | Yes       | ROTATIONAL     |
| 39         | Reconnected            | 65.14867332   | Yes       | ROTATIONAL     |
| 40         | Reconnected            | 909.8476749   | Yes       | ROTATIONAL     |
| 41         | Reconnected            | 323.297889    | Yes       | ROTATIONAL     |
| 46         | Reconnected            | 178.9039382   | Yes       | ROTATIONAL     |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | ROTATIONAL     |
| 51         | Reconnected            | 62.95595214   | Yes       | ROTATIONAL     |
| 54         | Reconnected            | 2851.233065   | Yes       | ROTATIONAL     |
| 55         | Reconnected            | 217.230335    | Yes       | ROTATIONAL     |
| 57         | Reconnected            | 210.4477956   | Yes       | ROTATIONAL     |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | ROTATIONAL     |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | ROTATIONAL     |
| 206        |                        | 825.9194969   | No        | ROTATIONAL     |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.6: Impoundment Schedule Table, Year 2000*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | NO DISCHARGE   |
| 60         | Reconnected            | 345.455899    | Yes       | NO CHANGE      |
| 36         | Reconnected            | 372.2568953   | Yes       | ROTATIONAL     |
| 37         | Reconnected            | 184.3465536   | Yes       | ROTATIONAL     |
| 39         | Reconnected            | 65.14867332   | Yes       | ROTATIONAL     |
| 40         | Reconnected            | 909.8476749   | Yes       | ROTATIONAL     |
| 41         | Reconnected            | 323.297889    | Yes       | ROTATIONAL     |
| 46         | Reconnected            | 178.9039382   | Yes       | ROTATIONAL     |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | ROTATIONAL     |
| 51         | Reconnected            | 62.95595214   | Yes       | ROTATIONAL     |
| 54         | Reconnected            | 2851.233065   | Yes       | ROTATIONAL     |
| 55         | Reconnected            | 217.230335    | Yes       | ROTATIONAL     |
| 57         | Reconnected            | 210.4477956   | Yes       | ROTATIONAL     |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | ROTATIONAL     |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | ROTATIONAL     |
| 206        |                        | 825.9194969   | No        | ROTATIONAL     |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.7: Impoundment Schedule Table, Year 2001*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | NO DISCHARGE   |
| 60         | Reconnected            | 345.455899    | Yes       | NO CHANGE      |
| 36         | Reconnected            | 372.2568953   | Yes       | ROTATIONAL     |
| 37         | Reconnected            | 184.3465536   | Yes       | ROTATIONAL     |
| 39         | Reconnected            | 65.14867332   | Yes       | ROTATIONAL     |
| 40         | Reconnected            | 909.8476749   | Yes       | ROTATIONAL     |
| 41         | Reconnected            | 323.297889    | Yes       | ROTATIONAL     |
| 46         | Reconnected            | 178.9039382   | Yes       | ROTATIONAL     |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | ROTATIONAL     |
| 51         | Reconnected            | 62.95595214   | Yes       | ROTATIONAL     |
| 54         | Reconnected            | 2851.233065   | Yes       | ROTATIONAL     |
| 55         | Reconnected            | 217.230335    | Yes       | ROTATIONAL     |
| 57         | Reconnected            | 210.4477956   | Yes       | ROTATIONAL     |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | ROTATIONAL     |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | ROTATIONAL     |
| 206        |                        | 825.9194969   | No        | ROTATIONAL     |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.8: Impoundment Schedule Table, Year 2002*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | NO DISCHARGE   |
| 60         | Reconnected            | 345.455899    | Yes       | NO CHANGE      |
| 36         | Reconnected            | 372.2568953   | Yes       | NO DISCHARGE   |
| 37         | Reconnected            | 184.3465536   | Yes       | NO DISCHARGE   |
| 39         | Reconnected            | 65.14867332   | Yes       | NO DISCHARGE   |
| 40         | Reconnected            | 909.8476749   | Yes       | NO DISCHARGE   |
| 41         | Reconnected            | 323.297889    | Yes       | NO DISCHARGE   |
| 46         | Reconnected            | 178.9039382   | Yes       | NO DISCHARGE   |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | NO DISCHARGE   |
| 51         | Reconnected            | 62.95595214   | Yes       | NO DISCHARGE   |
| 54         | Reconnected            | 2851.233065   | Yes       | NO DISCHARGE   |
| 55         | Reconnected            | 217.230335    | Yes       | NO DISCHARGE   |
| 57         | Reconnected            | 210.4477956   | Yes       | NO DISCHARGE   |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | NO DISCHARGE   |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | NO DISCHARGE   |
| 206        |                        | 825.9194969   | No        | NO DISCHARGE   |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.9: Impoundment Schedule Table, Year 2003*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | NO DISCHARGE   |
| 60         | Reconnected            | 345.455899    | Yes       | NO CHANGE      |
| 36         | Reconnected            | 372.2568953   | Yes       | NO DISCHARGE   |
| 37         | Reconnected            | 184.3465536   | Yes       | NO DISCHARGE   |
| 39         | Reconnected            | 65.14867332   | Yes       | NO DISCHARGE   |
| 40         | Reconnected            | 909.8476749   | Yes       | NO DISCHARGE   |
| 41         | Reconnected            | 323.297889    | Yes       | NO DISCHARGE   |
| 46         | Reconnected            | 178.9039382   | Yes       | NO DISCHARGE   |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | NO DISCHARGE   |
| 51         | Reconnected            | 62.95595214   | Yes       | NO DISCHARGE   |
| 54         | Reconnected            | 2851.233065   | Yes       | NO DISCHARGE   |
| 55         | Reconnected            | 217.230335    | Yes       | NO DISCHARGE   |
| 57         | Reconnected            | 210.4477956   | Yes       | NO DISCHARGE   |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | NO DISCHARGE   |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | NO DISCHARGE   |
| 206        |                        | 825.9194969   | No        | NO DISCHARGE   |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.10: Impoundment Schedule Table, Year 2004*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | ROTATIONAL     |
| 60         | Reconnected            | 345.455899    | Yes       | ROTATIONAL     |
| 36         | Reconnected            | 372.2568953   | Yes       | NO DISCHARGE   |
| 37         | Reconnected            | 184.3465536   | Yes       | NO DISCHARGE   |
| 39         | Reconnected            | 65.14867332   | Yes       | NO DISCHARGE   |
| 40         | Reconnected            | 909.8476749   | Yes       | NO DISCHARGE   |
| 41         | Reconnected            | 323.297889    | Yes       | NO DISCHARGE   |
| 46         | Reconnected            | 178.9039382   | Yes       | NO DISCHARGE   |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | NO DISCHARGE   |
| 51         | Reconnected            | 62.95595214   | Yes       | NO DISCHARGE   |
| 54         | Reconnected            | 2851.233065   | Yes       | NO DISCHARGE   |
| 55         | Reconnected            | 217.230335    | Yes       | NO DISCHARGE   |
| 57         | Reconnected            | 210.4477956   | Yes       | NO DISCHARGE   |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | NO DISCHARGE   |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | NO DISCHARGE   |
| 206        |                        | 825.9194969   | No        | NO DISCHARGE   |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.11: Impoundment Schedule Table, Year 2005*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | ROTATIONAL     |
| 60         | Reconnected            | 345.455899    | Yes       | ROTATIONAL     |
| 36         | Reconnected            | 372.2568953   | Yes       | NO DISCHARGE   |
| 37         | Reconnected            | 184.3465536   | Yes       | NO DISCHARGE   |
| 39         | Reconnected            | 65.14867332   | Yes       | NO DISCHARGE   |
| 40         | Reconnected            | 909.8476749   | Yes       | NO DISCHARGE   |
| 41         | Reconnected            | 323.297889    | Yes       | NO DISCHARGE   |
| 46         | Reconnected            | 178.9039382   | Yes       | NO DISCHARGE   |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | NO DISCHARGE   |
| 51         | Reconnected            | 62.95595214   | Yes       | NO DISCHARGE   |
| 54         | Reconnected            | 2851.233065   | Yes       | NO DISCHARGE   |
| 55         | Reconnected            | 217.230335    | Yes       | NO DISCHARGE   |
| 57         | Reconnected            | 210.4477956   | Yes       | NO DISCHARGE   |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | NO DISCHARGE   |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | NO DISCHARGE   |
| 206        |                        | 825.9194969   | No        | NO DISCHARGE   |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.12: Impoundment Schedule Table, Year 2006*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | ROTATIONAL     |
| 60         | Reconnected            | 345.455899    | Yes       | ROTATIONAL     |
| 36         | Reconnected            | 372.2568953   | Yes       | NO DISCHARGE   |
| 37         | Reconnected            | 184.3465536   | Yes       | NO DISCHARGE   |
| 39         | Reconnected            | 65.14867332   | Yes       | NO DISCHARGE   |
| 40         | Reconnected            | 909.8476749   | Yes       | NO DISCHARGE   |
| 41         | Reconnected            | 323.297889    | Yes       | NO DISCHARGE   |
| 46         | Reconnected            | 178.9039382   | Yes       | NO DISCHARGE   |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | NO DISCHARGE   |
| 51         | Reconnected            | 62.95595214   | Yes       | NO DISCHARGE   |
| 54         | Reconnected            | 2851.233065   | Yes       | NO DISCHARGE   |
| 55         | Reconnected            | 217.230335    | Yes       | NO DISCHARGE   |
| 57         | Reconnected            | 210.4477956   | Yes       | NO DISCHARGE   |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | NO DISCHARGE   |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | NO DISCHARGE   |
| 206        |                        | 825.9194969   | No        | NO DISCHARGE   |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.13: Impoundment Schedule Table, Year 2007*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | ROTATIONAL     |
| 59         | Reconnected            | 360.2455078   | Yes       | ROTATIONAL     |
| 60         | Reconnected            | 345.455899    | Yes       | ROTATIONAL     |
| 36         | Reconnected            | 372.2568953   | Yes       | NO DISCHARGE   |
| 37         | Reconnected            | 184.3465536   | Yes       | NO DISCHARGE   |
| 39         | Reconnected            | 65.14867332   | Yes       | NO DISCHARGE   |
| 40         | Reconnected            | 909.8476749   | Yes       | NO DISCHARGE   |
| 41         | Reconnected            | 323.297889    | Yes       | NO DISCHARGE   |
| 46         | Reconnected            | 178.9039382   | Yes       | NO DISCHARGE   |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | NO DISCHARGE   |
| 51         | Reconnected            | 62.95595214   | Yes       | NO DISCHARGE   |
| 54         | Reconnected            | 2851.233065   | Yes       | NO DISCHARGE   |
| 55         | Reconnected            | 217.230335    | Yes       | NO DISCHARGE   |
| 57         | Reconnected            | 210.4477956   | Yes       | NO DISCHARGE   |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | NO DISCHARGE   |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | NO DISCHARGE   |
| 206        |                        | 825.9194969   | No        | NO DISCHARGE   |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.14: Impoundment Schedule Table, Year 2008*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | ROTATIONAL     |
| 18         | Restored               | 58.7466661    | Yes       | NO DISCHARGE   |
| 62         | Restored               | 188.4115747   | Yes       | ROTATIONAL     |
| 76         | Restored               | 73.64728301   | Yes       | NO CHANGE      |
| 59         | Reconnected            | 360.2455078   | Yes       | ROTATIONAL     |
| 60         | Reconnected            | 345.455899    | Yes       | ROTATIONAL     |
| 36         | Reconnected            | 372.2568953   | Yes       | NO DISCHARGE   |
| 37         | Reconnected            | 184.3465536   | Yes       | NO DISCHARGE   |
| 39         | Reconnected            | 65.14867332   | Yes       | NO DISCHARGE   |
| 40         | Reconnected            | 909.8476749   | Yes       | NO DISCHARGE   |
| 41         | Reconnected            | 323.297889    | Yes       | NO DISCHARGE   |
| 46         | Reconnected            | 178.9039382   | Yes       | NO DISCHARGE   |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | NO DISCHARGE   |
| 51         | Reconnected            | 62.95595214   | Yes       | NO DISCHARGE   |
| 54         | Reconnected            | 2851.233065   | Yes       | NO DISCHARGE   |
| 55         | Reconnected            | 217.230335    | Yes       | NO DISCHARGE   |
| 57         | Reconnected            | 210.4477956   | Yes       | NO DISCHARGE   |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | NO DISCHARGE   |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | NO DISCHARGE   |
| 206        |                        | 825.9194969   | No        | NO DISCHARGE   |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.15: Impoundment Schedule Table, Year 2009*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | ROTATIONAL     |
| 53         | Restored               | 200.1060827   | Yes       | ROTATIONAL     |
| 65         | Restored               | 92.96730374   | Yes       | ROTATIONAL     |
| 74         | Restored               | 117.6455926   | Yes       | ROTATIONAL     |
| 97         | Restored               | 29.27071838   | Yes       | ROTATIONAL     |
| 17         | Restored               | 108.7201395   | Yes       | NO CHANGE      |
| 18         | Restored               | 58.7466661    | Yes       | NO CHANGE      |
| 62         | Restored               | 188.4115747   | Yes       | NO CHANGE      |
| 76         | Restored               | 73.64728301   | Yes       | NO CHANGE      |
| 59         | Reconnected            | 360.2455078   | Yes       | ROTATIONAL     |
| 60         | Reconnected            | 345.455899    | Yes       | ROTATIONAL     |
| 36         | Reconnected            | 372.2568953   | Yes       | NO DISCHARGE   |
| 37         | Reconnected            | 184.3465536   | Yes       | NO DISCHARGE   |
| 39         | Reconnected            | 65.14867332   | Yes       | NO DISCHARGE   |
| 40         | Reconnected            | 909.8476749   | Yes       | NO DISCHARGE   |
| 41         | Reconnected            | 323.297889    | Yes       | NO DISCHARGE   |
| 46         | Reconnected            | 178.9039382   | Yes       | NO DISCHARGE   |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | NO DISCHARGE   |
| 51         | Reconnected            | 62.95595214   | Yes       | NO DISCHARGE   |
| 54         | Reconnected            | 2851.233065   | Yes       | NO DISCHARGE   |
| 55         | Reconnected            | 217.230335    | Yes       | NO DISCHARGE   |
| 57         | Reconnected            | 210.4477956   | Yes       | NO DISCHARGE   |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | NO DISCHARGE   |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | NO DISCHARGE   |
| 206        |                        | 825.9194969   | No        | NO DISCHARGE   |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

*Appendix E.16: Impoundment Schedule Table, Year 2010*

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 16         | Restored               | 57.35457516   | Yes       | NO CHANGE      |
| 53         | Restored               | 200.1060827   | Yes       | NO CHANGE      |
| 65         | Restored               | 92.96730374   | Yes       | NO CHANGE      |
| 74         | Restored               | 117.6455926   | Yes       | NO CHANGE      |
| 97         | Restored               | 29.27071838   | Yes       | NO CHANGE      |
| 17         | Restored               | 108.7201395   | Yes       | NO CHANGE      |
| 18         | Restored               | 58.7466661    | Yes       | NO CHANGE      |
| 62         | Restored               | 188.4115747   | Yes       | NO CHANGE      |
| 76         | Restored               | 73.64728301   | Yes       | NO CHANGE      |
| 59         | Reconnected            | 360.2455078   | Yes       | ROTATIONAL     |
| 60         | Reconnected            | 345.455899    | Yes       | ROTATIONAL     |
| 36         | Reconnected            | 372.2568953   | Yes       | NO DISCHARGE   |
| 37         | Reconnected            | 184.3465536   | Yes       | NO DISCHARGE   |
| 39         | Reconnected            | 65.14867332   | Yes       | NO DISCHARGE   |
| 40         | Reconnected            | 909.8476749   | Yes       | NO DISCHARGE   |
| 41         | Reconnected            | 323.297889    | Yes       | NO DISCHARGE   |
| 46         | Reconnected            | 178.9039382   | Yes       | NO DISCHARGE   |
| 47         | Minimally<br>connected | 234.9248581   | Yes       | NO DISCHARGE   |
| 51         | Reconnected            | 62.95595214   | Yes       | NO DISCHARGE   |
| 54         | Reconnected            | 2851.233065   | Yes       | NO DISCHARGE   |
| 55         | Reconnected            | 217.230335    | Yes       | NO DISCHARGE   |
| 57         | Reconnected            | 210.4477956   | Yes       | NO DISCHARGE   |
| 66         | Minimally<br>connected | 597.1420485   | Yes       | NO DISCHARGE   |
| 86         | Minimally<br>connected | 1462.717873   | Yes       | NO DISCHARGE   |
| 206        |                        | 825.9194969   | No        | NO DISCHARGE   |
| 30         | Restored               | 28.91426667   | Yes       | NO CHANGE      |
| 1          | Island                 | 25.03145753   | Yes       | NO CHANGE      |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 2          | Island                 | 31.55842814   | Yes       | NO CHANGE      |
| 3          | Island                 | 27.89431628   | Yes       | NO CHANGE      |
| 4          | Island                 | 6.172373233   | Yes       | NO CHANGE      |
| 5          | Island                 | 12.64282595   | Yes       | NO CHANGE      |
| 6          | Island                 | 10.1070581    | Yes       | NO CHANGE      |
| 7          | Island                 | 9.322032316   | Yes       | NO CHANGE      |
| 8          | Island                 | 21.33378309   | Yes       | NO CHANGE      |
| 9          | Island                 | 25.5148479    | Yes       | NO CHANGE      |
| 10         | Island                 | 9.033578063   | Yes       | NO CHANGE      |
| 11         | Island                 | 4.785739373   | Yes       | NO CHANGE      |
| 12         | Island                 | 33.25702946   | Yes       | NO CHANGE      |
| 13         | Island                 | 9.813980197   | Yes       | NO CHANGE      |
| 14         | Island                 | 25.69305304   | Yes       | NO CHANGE      |
| 15         | Island                 | 3.480254374   | Yes       | NO CHANGE      |
| 19         | Unconnected            | 28.2731969    | Yes       | NO DISCHARGE   |
| 20         | Minimally<br>connected | 62.67253143   | Yes       | NO CHANGE      |
| 21         | Unconnected            | 78.10550889   | Yes       | NO DISCHARGE   |
| 22         | Unconnected            | 281.4781666   | Yes       | NO DISCHARGE   |
| 23         | Reconnected            | 1091.045013   | Yes       | NO CHANGE      |
| 24         | Restored               | 94.5888105    | Yes       | NO CHANGE      |
| 25         | Restored               | 39.39464135   | Yes       | NO CHANGE      |
| 26         | Restored               | 88.30149383   | Yes       | NO CHANGE      |
| 27         | Restored               | 60.94708375   | Yes       | NO CHANGE      |
| 28         | Restored               | 46.57212365   | Yes       | NO CHANGE      |
| 29         | Restored               | 39.88483648   | Yes       | NO CHANGE      |
| 31         | Restored               | 147.680411    | Yes       | NO CHANGE      |
| 32         | Restored               | 533.3542508   | Yes       | NO CHANGE      |
| 33         | Restored               | 56.32883888   | Yes       | NO CHANGE      |
| 34         | Reconnected            | 717.0758648   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 35         | Reconnected            | 1392.615791   | Yes       | NO DISCHARGE   |
| 38         | Reconnected            | 78.56295407   | Yes       | ROTATIONAL     |
| 42         | Reconnected            | 716.3477411   | Yes       | NO DISCHARGE   |
| 43         | Reconnected            | 573.6842206   | Yes       | NO CHANGE      |
| 44         | Reconnected            | 334.4043302   | Yes       | NO CHANGE      |
| 45         | Reconnected            | 1066.215514   | Yes       | NO DISCHARGE   |
| 48         | Reconnected            | 327.8245235   | Yes       | NO DISCHARGE   |
| 49         | Reconnected            | 64.0400146    | Yes       | NO CHANGE      |
| 50         | Reconnected            | 172.8281067   | Yes       | NO CHANGE      |
| 52         | Reconnected            | 136.6800384   | Yes       | NO CHANGE      |
| 56         | Reconnected            | 121.2461309   | Yes       | NO CHANGE      |
| 58         | Reconnected            | 892.674957    | Yes       | NO CHANGE      |
| 61         | Reconnected            | 898.1866873   | Yes       | ROTATIONAL     |
| 63         | Reconnected            | 403.8367111   | Yes       | ROTATIONAL     |
| 64         | Minimally<br>connected | 38.48603533   | Yes       | NO DISCHARGE   |
| 67         | Unconnected            | 85.6569842    | Yes       | NO DISCHARGE   |
| 68         | Unconnected            | 140.2748512   | Yes       | NO DISCHARGE   |
| 69         | Unconnected            | 162.8046621   | Yes       | NO DISCHARGE   |
| 70         | Reconnected            | 428.3696038   | Yes       | NO CHANGE      |
| 71         | Reconnected            | 182.7325068   | Yes       | NO CHANGE      |
| 72         | Minimally<br>connected | 259.7757411   | Yes       | NO CHANGE      |
| 73         | Reconnected            | 475.6782707   | Yes       | NO CHANGE      |
| 75         | Minimally<br>connected | 259.253337    | Yes       | NO CHANGE      |
| 77         | Minimally<br>connected | 262.848691    | Yes       | NO CHANGE      |
| 78         | Minimally<br>connected | 357.2923728   | Yes       | NO CHANGE      |
| 79         | Unconnected            | 110.2275132   | Yes       | NO DISCHARGE   |

| IMPOUND_ID | IMPOUND_TYPE           | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|------------------------|---------------|-----------|----------------|
| 80         | Unconnected            | 50.918591     | Yes       | NO DISCHARGE   |
| 81         | Minimally<br>connected | 94.01146409   | Yes       | NO CHANGE      |
| 82         | Reconnected            | 28.21908431   | Yes       | NO CHANGE      |
| 83         | Minimally<br>connected | 213.2999096   | Yes       | NO CHANGE      |
| 84         | Restored               | 223.1055481   | Yes       | NO CHANGE      |
| 85         | Minimally<br>connected | 461.7895308   | Yes       | NO CHANGE      |
| 87         | Minimally<br>connected | 553.9832268   | Yes       | NO CHANGE      |
| 88         | Reconnected            | 544.2335121   | Yes       | NO CHANGE      |
| 89         | Minimally<br>connected | 578.6759683   | Yes       | NO CHANGE      |
| 90         | Unconnected            | 46.82826726   | Yes       | NO DISCHARGE   |
| 91         | Unconnected            | 102.279086    | Yes       | NO DISCHARGE   |
| 92         | Unconnected            | 221.0668073   | Yes       | NO DISCHARGE   |
| 93         | Unconnected            | 969.7297179   | Yes       | NO DISCHARGE   |
| 94         | Unconnected            | 304.9756492   | Yes       | NO DISCHARGE   |
| 95         | Minimally<br>connected | 139.3679016   | Yes       | NO CHANGE      |
| 96         | Minimally<br>connected | 72.73607287   | Yes       | NO DISCHARGE   |
| 98         | Restored               | 32.55842363   | Yes       | NO DISCHARGE   |
| 99         | Restored               | 85.16406976   | Yes       | NO CHANGE      |
| 100        |                        | 1551.78582    | Yes       | NO DISCHARGE   |
| 101        |                        | 512.338504    | Yes       | NO DISCHARGE   |
| 102        |                        | 142.8657732   | No        | ROTATIONAL     |
| 103        |                        | 148.2158494   | No        | ROTATIONAL     |
| 104        |                        | 161.7730076   | No        | ROTATIONAL     |
| 105        |                        | 50.73049168   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 106        |              | 30.12905383   | No        | OPEN           |
| 107        |              | 320.6361941   | No        | ROTATIONAL     |
| 108        |              | 119.0234589   | No        | ROTATIONAL     |
| 109        |              | 151.9472976   | No        | ROTATIONAL     |
| 110        |              | 139.7875075   | No        | ROTATIONAL     |
| 111        |              | 14.05293246   | No        | OPEN           |
| 112        |              | 79.97280532   | No        | OPEN           |
| 113        |              | 44.07778285   | No        | OPEN           |
| 114        |              | 38.41315988   | No        | ROTATIONAL     |
| 115        |              | 90.92531474   | No        | ROTATIONAL     |
| 116        |              | 18.74940302   | No        | ROTATIONAL     |
| 117        |              | 17.97889284   | No        | ROTATIONAL     |
| 118        |              | 20.16131043   | No        | ROTATIONAL     |
| 119        |              | 11.79160458   | No        | ROTATIONAL     |
| 120        |              | 16.81744028   | No        | ROTATIONAL     |
| 121        |              | 25.59109844   | No        | ROTATIONAL     |
| 122        |              | 14.02114596   | No        | ROTATIONAL     |
| 123        |              | 10.38539126   | No        | ROTATIONAL     |
| 124        |              | 39.09362412   | No        | ROTATIONAL     |
| 125        |              | 14.97837432   | No        | ROTATIONAL     |
| 126        |              | 12.31589485   | No        | ROTATIONAL     |
| 127        |              | 10.7936133    | No        | ROTATIONAL     |
| 128        |              | 22.38929482   | No        | OPEN           |
| 129        |              | 40.66964743   | No        | ROTATIONAL     |
| 130        |              | 51.43427715   | No        | ROTATIONAL     |
| 131        |              | 142.8082468   | No        | ROTATIONAL     |
| 132        |              | 55.40200006   | No        | OPEN           |
| 133        |              | 40.59833677   | No        | ROTATIONAL     |
| 134        |              | 44.74665931   | No        | ROTATIONAL     |
| 135        |              | 21.82857654   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 136        |              | 37.58338667   | No        | ROTATIONAL     |
| 137        |              | 30.12710364   | No        | ROTATIONAL     |
| 138        |              | 9.464703444   | No        | ROTATIONAL     |
| 139        |              | 158.3129965   | No        | ROTATIONAL     |
| 140        |              | 65.70600475   | No        | OPEN           |
| 141        |              | 67.99756694   | No        | ROTATIONAL     |
| 142        |              | 150.4278541   | No        | ROTATIONAL     |
| 143        |              | 16.93317096   | No        | ROTATIONAL     |
| 144        |              | 27.43281772   | No        | OPEN           |
| 145        |              | 60.20890049   | No        | ROTATIONAL     |
| 146        |              | 157.2585475   | No        | ROTATIONAL     |
| 147        |              | 8.304986042   | No        | ROTATIONAL     |
| 148        |              | 105.5758742   | No        | ROTATIONAL     |
| 149        |              | 16.10325062   | No        | ROTATIONAL     |
| 150        |              | 57.44689389   | No        | ROTATIONAL     |
| 151        |              | 11.35573005   | No        | OPEN           |
| 152        |              | 236.346139    | No        | OPEN           |
| 153        |              | 76.07674657   | No        | ROTATIONAL     |
| 154        |              | 260.1070141   | No        | ROTATIONAL     |
| 155        |              | 159.6946126   | No        | ROTATIONAL     |
| 156        |              | 397.5021716   | No        | ROTATIONAL     |
| 157        |              | 58.68693163   | No        | OPEN           |
| 158        |              | 2.189586014   | No        | OPEN           |
| 159        |              | 6.359299995   | No        | OPEN           |
| 160        |              | 8.020482826   | No        | OPEN           |
| 161        |              | 120.9866588   | No        | ROTATIONAL     |
| 162        |              | 4.532255565   | No        | OPEN           |
| 163        |              | 49.42378182   | No        | OPEN           |
| 164        |              | 12.21115659   | No        | OPEN           |
| 165        |              | 8.806459546   | No        | OPEN           |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 166        |              | 182.5061341   | No        | ROTATIONAL     |
| 167        |              | 608.4117132   | No        | OPEN           |
| 168        |              | 171.9961633   | No        | ROTATIONAL     |
| 169        |              | 120.6769493   | No        | ROTATIONAL     |
| 170        |              | 198.9368011   | No        | ROTATIONAL     |
| 171        |              | 42.3222439    | No        | OPEN           |
| 172        |              | 155.987261    | No        | ROTATIONAL     |
| 173        |              | 352.1702864   | No        | ROTATIONAL     |
| 174        |              | 238.4335958   | No        | ROTATIONAL     |
| 175        |              | 44.69168853   | No        | ROTATIONAL     |
| 176        |              | 34.72759876   | No        | ROTATIONAL     |
| 177        |              | 2.311314039   | No        | OPEN           |
| 178        |              | 5.223074532   | No        | OPEN           |
| 179        |              | 59.47858391   | No        | ROTATIONAL     |
| 180        |              | 7.304944087   | No        | ROTATIONAL     |
| 181        |              | 48.96138874   | No        | OPEN           |
| 182        |              | 4.692455372   | No        | NO DISCHARGE   |
| 183        |              | 4.754444032   | No        | NO DISCHARGE   |
| 184        |              | 0.811650167   | No        | NO DISCHARGE   |
| 185        |              | 130.465404    | No        | ROTATIONAL     |
| 186        |              | 125.2443183   | No        | OPEN           |
| 187        |              | 79.12670422   | No        | OPEN           |
| 188        |              | 30.67585406   | No        | OPEN           |
| 189        |              | 149.772203    | No        | ROTATIONAL     |
| 190        |              | 24.68420547   | No        | OPEN ALL YEAR  |
| 191        |              | 280.8471295   | No        | ROTATIONAL     |
| 192        |              | 24.18544491   | No        | OPEN           |
| 193        |              | 1291.882239   | No        | ROTATIONAL     |
| 194        |              | 747.7397255   | No        | ROTATIONAL     |
| 195        |              | 79.57883098   | No        | ROTATIONAL     |

| IMPOUND_ID | IMPOUND_TYPE | IMPOUND_ACRES | BURN_UNIT | IMPOUND_SCHEME |
|------------|--------------|---------------|-----------|----------------|
| 196        |              | 51.09786652   | No        | ROTATIONAL     |
| 197        |              | 11.13014867   | No        | NO DISCHARGE   |
| 198        |              | 13.56290545   | No        | ROTATIONAL     |
| 199        |              | 100.3673955   | No        | ROTATIONAL     |
| 200        |              | 89.2157334    | No        | NO DISCHARGE   |
| 201        |              | 187.5349559   | No        | ROTATIONAL     |
| 202        |              | 34.24790419   | No        | ROTATIONAL     |
| 203        |              | 23.2748784    | No        | ROTATIONAL     |
| 204        |              | 125.6240798   | No        | ROTATIONAL     |
| 205        |              | 34.59884257   | No        | ROTATIONAL     |

## *Appendix F: ET Constants*

| YYYYMM | No_Days | Pervious | Impervious  |
|--------|---------|----------|-------------|
| 199501 | 31      | 0.73     | 0.226700803 |
| 199502 | 28      | 0.87     | 0.196393882 |
| 199503 | 31      | 1.92     | 0.177389787 |
| 199504 | 30      | 3.62     | 0.198235912 |
| 199505 | 31      | 4.22     | 0.218028096 |
| 199506 | 30      | 3.31     | 0.189393967 |
| 199507 | 31      | 3.13     | 0.201414763 |
| 199508 | 31      | 2.85     | 0.200263024 |
| 199509 | 30      | 2.51     | 0.172181654 |
| 199510 | 31      | 1.87     | 0.182903393 |
| 199511 | 30      | 1.44     | 0.207554794 |
| 199512 | 31      | 0.81     | 0.23762385  |
| 199601 | 31      | 0.73     | 0.226700803 |
| 199602 | 29      | 0.87     | 0.196393882 |
| 199603 | 31      | 1.92     | 0.177389787 |
| 199604 | 30      | 3.62     | 0.198235912 |
| 199605 | 31      | 4.22     | 0.218028096 |
| 199606 | 30      | 3.31     | 0.189393967 |
| 199607 | 31      | 3.13     | 0.201414763 |
| 199608 | 31      | 2.85     | 0.200263024 |
| 199609 | 30      | 2.51     | 0.172181654 |
| 199610 | 31      | 1.87     | 0.182903393 |
| 199611 | 30      | 1.44     | 0.207554794 |
| 199612 | 31      | 0.81     | 0.23762385  |
| 199701 | 31      | 0.73     | 0.226700803 |
| 199702 | 28      | 0.87     | 0.196393882 |
| 199703 | 31      | 1.92     | 0.177389787 |
| 199704 | 30      | 3.62     | 0.198235912 |

| YYYYMM | No_Days | Pervious | Impervious  |
|--------|---------|----------|-------------|
| 199705 | 31      | 4.22     | 0.218028096 |
| 199706 | 30      | 3.31     | 0.189393967 |
| 199707 | 31      | 3.13     | 0.201414763 |
| 199708 | 31      | 2.85     | 0.200263024 |
| 199709 | 30      | 2.51     | 0.172181654 |
| 199710 | 31      | 1.87     | 0.182903393 |
| 199711 | 30      | 1.44     | 0.207554794 |
| 199712 | 31      | 0.81     | 0.23762385  |
| 199801 | 31      | 0.73     | 0.226700803 |
| 199802 | 28      | 0.87     | 0.196393882 |
| 199803 | 31      | 1.92     | 0.177389787 |
| 199804 | 30      | 3.62     | 0.198235912 |
| 199805 | 31      | 4.22     | 0.218028096 |
| 199806 | 30      | 3.31     | 0.189393967 |
| 199807 | 31      | 3.13     | 0.201414763 |
| 199808 | 31      | 2.85     | 0.200263024 |
| 199809 | 30      | 2.51     | 0.172181654 |
| 199810 | 31      | 1.87     | 0.182903393 |
| 199811 | 30      | 1.44     | 0.207554794 |
| 199812 | 31      | 0.81     | 0.23762385  |
| 199901 | 31      | 0.73     | 0.226700803 |
| 199902 | 28      | 0.87     | 0.196393882 |
| 199903 | 31      | 1.92     | 0.177389787 |
| 199904 | 30      | 3.62     | 0.198235912 |
| 199905 | 31      | 4.22     | 0.218028096 |
| 199906 | 30      | 3.31     | 0.189393967 |
| 199907 | 31      | 3.13     | 0.201414763 |
| 199908 | 31      | 2.85     | 0.200263024 |
| 199909 | 30      | 2.51     | 0.172181654 |
| 199910 | 31      | 1.87     | 0.182903393 |

| YYYYMM | No_Days | Pervious | Impervious  |
|--------|---------|----------|-------------|
| 199911 | 30      | 1.44     | 0.207554794 |
| 199912 | 31      | 0.81     | 0.23762385  |
| 200001 | 31      | 0.73     | 0.226700803 |
| 200002 | 29      | 0.87     | 0.196393882 |
| 200003 | 31      | 1.92     | 0.177389787 |
| 200004 | 30      | 3.62     | 0.198235912 |
| 200005 | 31      | 4.22     | 0.218028096 |
| 200006 | 30      | 3.31     | 0.189393967 |
| 200007 | 31      | 3.13     | 0.201414763 |
| 200008 | 31      | 2.85     | 0.200263024 |
| 200009 | 30      | 2.51     | 0.172181654 |
| 200010 | 31      | 1.87     | 0.182903393 |
| 200011 | 30      | 1.44     | 0.207554794 |
| 200012 | 31      | 0.81     | 0.23762385  |
| 200101 | 31      | 0.73     | 0.226700803 |
| 200102 | 28      | 0.87     | 0.196393882 |
| 200103 | 31      | 1.92     | 0.177389787 |
| 200104 | 30      | 3.62     | 0.198235912 |
| 200105 | 31      | 4.22     | 0.218028096 |
| 200106 | 30      | 3.31     | 0.189393967 |
| 200107 | 31      | 3.13     | 0.201414763 |
| 200108 | 31      | 2.85     | 0.200263024 |
| 200109 | 30      | 2.51     | 0.172181654 |
| 200110 | 31      | 1.87     | 0.182903393 |
| 200111 | 30      | 1.44     | 0.207554794 |
| 200112 | 31      | 0.81     | 0.23762385  |
| 200201 | 31      | 0.73     | 0.226700803 |
| 200202 | 28      | 0.87     | 0.196393882 |
| 200203 | 31      | 1.92     | 0.177389787 |
| 200204 | 30      | 3.62     | 0.198235912 |

| YYYYMM | No_Days | Pervious | Impervious  |
|--------|---------|----------|-------------|
| 200205 | 31      | 4.22     | 0.218028096 |
| 200206 | 30      | 3.31     | 0.189393967 |
| 200207 | 31      | 3.13     | 0.201414763 |
| 200208 | 31      | 2.85     | 0.200263024 |
| 200209 | 30      | 2.51     | 0.172181654 |
| 200210 | 31      | 1.87     | 0.182903393 |
| 200211 | 30      | 1.44     | 0.207554794 |
| 200212 | 31      | 0.81     | 0.23762385  |
| 200301 | 31      | 0.73     | 0.226700803 |
| 200302 | 28      | 0.87     | 0.196393882 |
| 200303 | 31      | 1.92     | 0.177389787 |
| 200304 | 30      | 3.62     | 0.198235912 |
| 200305 | 31      | 4.22     | 0.218028096 |
| 200306 | 30      | 3.31     | 0.189393967 |
| 200307 | 31      | 3.13     | 0.201414763 |
| 200308 | 31      | 2.85     | 0.200263024 |
| 200309 | 30      | 2.51     | 0.172181654 |
| 200310 | 31      | 1.87     | 0.182903393 |
| 200311 | 30      | 1.44     | 0.207554794 |
| 200312 | 31      | 0.81     | 0.23762385  |
| 200401 | 31      | 0.73     | 0.226700803 |
| 200402 | 29      | 0.87     | 0.196393882 |
| 200403 | 31      | 1.92     | 0.177389787 |
| 200404 | 30      | 3.62     | 0.198235912 |
| 200405 | 31      | 4.22     | 0.218028096 |
| 200406 | 30      | 3.31     | 0.189393967 |
| 200407 | 31      | 3.13     | 0.201414763 |
| 200408 | 31      | 2.85     | 0.200263024 |
| 200409 | 30      | 2.51     | 0.172181654 |
| 200410 | 31      | 1.87     | 0.182903393 |

| YYYYMM | No_Days | Pervious | Impervious  |
|--------|---------|----------|-------------|
| 200411 | 30      | 1.44     | 0.207554794 |
| 200412 | 31      | 0.81     | 0.23762385  |
| 200501 | 31      | 0.73     | 0.226700803 |
| 200502 | 28      | 0.87     | 0.196393882 |
| 200503 | 31      | 1.92     | 0.177389787 |
| 200504 | 30      | 3.62     | 0.198235912 |
| 200505 | 31      | 4.22     | 0.218028096 |
| 200506 | 30      | 3.31     | 0.189393967 |
| 200507 | 31      | 3.13     | 0.201414763 |
| 200508 | 31      | 2.85     | 0.200263024 |
| 200509 | 30      | 2.51     | 0.172181654 |
| 200510 | 31      | 1.87     | 0.182903393 |
| 200511 | 30      | 1.44     | 0.207554794 |
| 200512 | 31      | 0.81     | 0.23762385  |
| 200601 | 31      | 0.73     | 0.226700803 |
| 200602 | 28      | 0.87     | 0.196393882 |
| 200603 | 31      | 1.92     | 0.177389787 |
| 200604 | 30      | 3.62     | 0.198235912 |
| 200605 | 31      | 4.22     | 0.218028096 |
| 200606 | 30      | 3.31     | 0.189393967 |
| 200607 | 31      | 3.13     | 0.201414763 |
| 200608 | 31      | 2.85     | 0.200263024 |
| 200609 | 30      | 2.51     | 0.172181654 |
| 200610 | 31      | 1.87     | 0.182903393 |
| 200611 | 30      | 1.44     | 0.207554794 |
| 200612 | 31      | 0.81     | 0.23762385  |
| 200701 | 31      | 0.73     | 0.226700803 |
| 200702 | 28      | 0.87     | 0.196393882 |
| 200703 | 31      | 1.92     | 0.177389787 |
| 200704 | 30      | 3.62     | 0.198235912 |

| YYYYMM | No_Days | Pervious | Impervious  |
|--------|---------|----------|-------------|
| 200705 | 31      | 4.22     | 0.218028096 |
| 200706 | 30      | 3.31     | 0.189393967 |
| 200707 | 31      | 3.13     | 0.201414763 |
| 200708 | 31      | 2.85     | 0.200263024 |
| 200709 | 30      | 2.51     | 0.172181654 |
| 200710 | 31      | 1.87     | 0.182903393 |
| 200711 | 30      | 1.44     | 0.207554794 |
| 200712 | 31      | 0.81     | 0.23762385  |
| 200801 | 31      | 0.73     | 0.226700803 |
| 200802 | 29      | 0.87     | 0.196393882 |
| 200803 | 31      | 1.92     | 0.177389787 |
| 200804 | 30      | 3.62     | 0.198235912 |
| 200805 | 31      | 4.22     | 0.218028096 |
| 200806 | 30      | 3.31     | 0.189393967 |
| 200807 | 31      | 3.13     | 0.201414763 |
| 200808 | 31      | 2.85     | 0.200263024 |
| 200809 | 30      | 2.51     | 0.172181654 |
| 200810 | 31      | 1.87     | 0.182903393 |
| 200811 | 30      | 1.44     | 0.207554794 |
| 200812 | 31      | 0.81     | 0.23762385  |
| 200901 | 31      | 0.73     | 0.226700803 |
| 200902 | 28      | 0.87     | 0.196393882 |
| 200903 | 31      | 1.92     | 0.177389787 |
| 200904 | 30      | 3.62     | 0.198235912 |
| 200905 | 31      | 4.22     | 0.218028096 |
| 200906 | 30      | 3.31     | 0.189393967 |
| 200907 | 31      | 3.13     | 0.201414763 |
| 200908 | 31      | 2.85     | 0.200263024 |
| 200909 | 30      | 2.51     | 0.172181654 |
| 200910 | 31      | 1.87     | 0.182903393 |

| YYYYMM | No_Days | Pervious | Impervious  |
|--------|---------|----------|-------------|
| 200911 | 30      | 1.44     | 0.207554794 |
| 200912 | 31      | 0.81     | 0.23762385  |
| 201001 | 31      | 0.73     | 0.226700803 |
| 201002 | 28      | 0.87     | 0.196393882 |
| 201003 | 31      | 1.92     | 0.177389787 |
| 201004 | 30      | 3.62     | 0.198235912 |
| 201005 | 31      | 4.22     | 0.218028096 |
| 201006 | 30      | 3.31     | 0.189393967 |
| 201007 | 31      | 3.13     | 0.201414763 |
| 201008 | 31      | 2.85     | 0.200263024 |
| 201009 | 30      | 2.51     | 0.172181654 |
| 201010 | 31      | 1.87     | 0.182903393 |
| 201011 | 30      | 1.44     | 0.207554794 |
| 201012 | 31      | 0.81     | 0.23762385  |