Florida Ground Water Quality Monitoring Network Summary 1994-1997

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Updated: June 25, 2008
Converted to PDF: July 2019

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Introduction

The purpose of this report is to present the results of the background water quality in each of Florida's major potable aquifer systems for the time period October 1994 through September 1997. Establishing background water quality of the state's major potable aquifers is one of several long-term goals of the Florida Department of Environmental Protection's (FDEP's) Ground Water Quality Monitoring Program (Maddox et. al, 1992). The three basic goals of the statewide Ground Water Quality Monitoring Program are:

- To establish the background and baseline ground water quality of major aquifer systems in the state;
- To detect and predict changes in ground water quality resulting from the effects of various land uses and potential sources of contamination;
- To disseminate water quality data generated by the network to local governments and to the public.

Background Network Design

The organization and establishment of the Ground Water Quality Monitoring Network was previously described by Maddox in Maddox et. al, 1992. The Florida Legislature, in 1983, passed the Water Quality Assurance Act. This legislation required the Florida Department of Environmental Regulation to "establish a ground water quality monitoring network designed to detect or predict contamination of the state's ground water resources" (Florida Statutes, Section 403.063). To facilitate this effort, the Act required the Department to work cooperatively with other federal and state agencies, including Florida's five water management districts.

The FDEP was the lead agency in establishing the Ground Water Quality Monitoring Network, determining goals and strategies, setting priorities and coordinating the overall effort. The Department worked closely with Florida's five water management districts (WMD's) (Figure 1), and several counties, which carried out most of the necessary field work and provided local technical expertise. The Florida Geological Survey (FGS) and the Water Resources Division of the U.S. Geological Survey (USGS) provided additional technical support. The goals, objectives and design of the Ground Water Quality Monitoring Network were described in the April 1996 volume of the Florida Ground Water Quality Monitoring Network Newsletter (Copeland, 1996).

Figure 1. Map of Florida's Water Management Districts.

The Background Network was designed to help define background water quality through a network of over 1700 wells that tap all major potable aquifers within the state (Figure 2). Based on funding constraints, regional coverage was assured through the arbitrary decision to divide the state into grid cells, of approximately 144 square miles. At least one Background Network well was required per each cell, per aquifer system. However, more than one well per cell was acceptable. There are 503 cells statewide. Currently the network has greater than 90% coverage of grid cells per aquifer. There is an ongoing effort to 'fill in' the remaining grid cells with wells. However, there are a number of grid cells in the Everglades which were deemed inaccessible to a drill rig, and until such time, when access for drilling is available, well coverage in these areas is not expected.

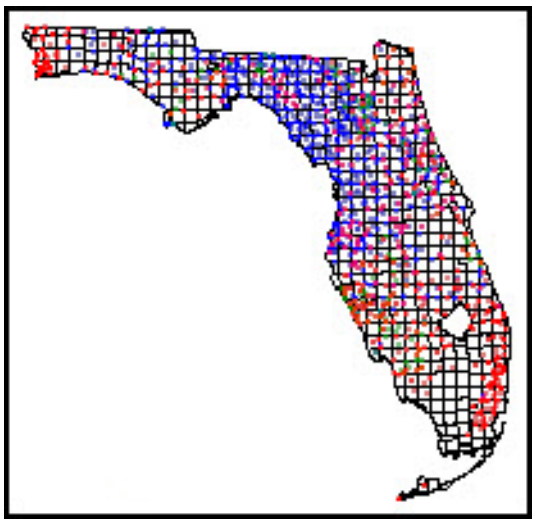

Figure 2. Map of wells in DEP Ambient Monitoring Background Network 1992-1997.

Sampling frequency was set at one third of the state Background Network per year. The state was divided into three geographic blocks per each WMD, to assure temporally consistent

statewide sampling coverage. These blocks were determined by the WMDs based on similarity of hydrogeologic conditions, local governmental boundaries, and equity of size. At least one well in every 'covered' grid cell, located in the geographic region selected each year, was sampled one time. Therefore, after the end of three years a complete sampling sweep of the state was completed.

Prior to selecting monitoring sites for inclusion in the Background Network, hydrologic data were evaluated in conjunction with land use information. Most of these data were compiled by the five WMDs. Next, existing wells suitable for inclusion into the background network were located. Several criteria were used to determine eligibility:

- depth of well and cased interval,
- open hole interval taps only one aquifer or water-bearing zone,
- precise site location information,
- well owner cooperative,
- future accessibility granted,
- history of site known.

Initially over 1200 existing wells were selected through this process. Over 600 new wells were drilled in an effort to fill in grid cells which had no eligible wells. This well selection process is described in detail by Maddox in Maddox *et. al* 1992.

Sampling and Chemical Analysis

For the three year reporting period, sampling of Background Network wells was done by the five WMDs and the following county agencies: the Alachua County Environmental Protection Department, the Broward County Office of Natural Resource Protection, the Collier County Pollution Control Department, and the Dade County Department of Environmental Resources. To ensure comparable sampling methods among the various agencies, in mid-1991 GWQM Program staff wrote an "umbrella" Quality Assurance (QA) plan that was revised several times before being given tentative approval for sampling in 1992 and full approval in 1993.

In general, the sample collection method consisted of purging the well of stagnant water, followed by sample collection and preservation. Prior to sample collection, a minimum of three standing-water volumes were removed from the well casing, using a submersible, centrifugal, or peristaltic pump. While the well was being purged, water temperature, pH, and specific conductance were monitored and recorded at regular intervals. After the minimum water volume was removed and the field measurements stabilized, purging was considered complete. Occasionally, field measurements were slow to stabilize; in these instances, five standing-water volumes were removed. Low-yield wells were purged dry and allowed to recover before sampling.

The majority of samples were collected with a Teflon bailer. Some of the wells were sampled by permanently installed pumps, dedicated bladder pumps, or other submersible pumps. All

sampling equipment was pre-cleaned at the operations base. Equipment blanks were collected at every tenth site to assess the thoroughness of equipment cleaning and the potential for on-site contamination. Duplicate samples were collected at every tenth site to monitor sampling and laboratory precision. Finally, analytical and field reference samples are submitted regularly to laboratories and field personnel to evaluate measurement accuracy. All samples were preserved according to EPA and FDEP standard operating procedures, iced to a temperature of 4°C, and shipped overnight to the analyzing laboratories. For additional details on sampling methods, refer to the FDEP Quality Assurance Plan #900456G (Craig, 1996).

The Background Network wells were sampled for major ions, nutrients, and trace metals during the reporting period. Laboratory analysis was contracted to the USGS Inorganics Laboratory in Ocala Florida for all major ions, metals and nutrients during 1994 - 1995. FDEP's Central Laboratory in Tallahassee did all analyses in 1996 and 1997.

Total recoverable major ions and nutrient samples were collected throughout the reporting period (Table 1). The program collected both dissolved and total recoverable metals (Table 1), using a 0.45-micron disposable filter to collect the dissolved fraction. Both dissolved and total recoverable metals were analyzed for from 1994 through the winter of 1995. During this time period methodologies used included Induce-coupled Plasma and Graphite Furnace. In the spring of 1996 the metals' analysis methodologies were changed to atomic-absorption methodologies. The relatively high cost of these methodologies prohibited analysis of both dissolved and total fractions. Thus, beginning in the spring 1996, the laboratory analyzed the dissolved fraction for a given trace metal only when that trace metal was detected in the total sample.

Chemical data generated by the laboratories and field technicians were screened for accuracy, precision, and representativeness. The screening included charge balance checks for gross validity, and other chemical checks to assure within-sample analytical consistency. Precision and accuracy were verified using results from duplicate and "spiked" samples. Blank samples were analyzed to identify and reject false positives. A computerized comparison of newly generated data with historical norms was also run, and outliers were scrutinized for possible errors in sampling or analysis. Analyses that failed any of these reviews were qualified in the database.

Table 1. Analyte list

Parameter	Units	Method	MDL	PQL
Temperature, Field	°C	EPA 170.1	NA	NA
Specific Conductance, Field	uS/cm	I-1780-84	NA	NA
Oxygen, Dissolved, Field	mg/L	EPA 360.1	NA	NA
pH, Field	pH units	EPA 150.1	NA	NA
Alkalinity, Dissolved (as CaCO3)	mg/L	EPA 310.1, I-2030-84	1	1
Turbidity	NTU	EPA 180.1, I-3860-84	0.1 - 0.5	0.5
Ammonia, Dissolved (as N)	ug/L	EPA 350.1, I-2522-84	10 - 20	20 - 40
Ammonia+Organic Nitrogen, Dissolved	ug/L	EPA 351.2	60 - 100	200
Calcium, Dissolved	ug/L	EPA 200.7, I-1472-87	50 - 100	500
Chloride, Dissolved	ug/L	EPA 300, I-2057-84	100 - 200	500
Fluoride, Dissolved	ug/L	EPA 340.2	100	100
Magnesium, Dissolved	ug/L	EPA 200.7, I-1447-87	20 - 100	100 - 1000

Parameter	Units	Method	MDL	PQL
Nitrate+Nitrite, Dissolved (as N)	ug/L	EPA 353.2, I-2545-84	4 - 20	10 - 60
Orthophosphate, Dissolved (as P)	mg/L	EPA 365.1	4 - 20	10 - 40
Organic Carbon, Total	mg/L	EPA 415.1	1	5
Organic Carbon, Dissolved	ug/L	EPA 415.1	1	5
Phosphorus, Dissolved (as P)	ug/L	EPA 365.4, I-2600-84	4 - 20	10 - 40
Potassium, Dissolved	ug/L	EPA 200.7, I-1630-84	20 - 200	100 - 400
Silica, Dissolved	ug/L	EPA 370.1	100 - 300	400
Sulfide, Total	ug/L	EPA 376.2	50	100
Sodium, Dissolved	ug/L	EPA 200.7, I-1735-85	10 - 200	100 - 1000
Sodium, Total	ug/L	I-3735-85	100	100 - 1000
Sulfate, Dissolved	ug/L	EPA 300, I-2057-84	100 - 200	500
Aluminum, Total	ug/L	EPA 200.7, EPA 200.8	10 - 25	20 - 75
Aluminum, Dissolved	ug/L	EPA 200.7	10 - 25	20 - 75
Antimony, Dissolved	ug/L	EPA 200.7, EPA 200.8	0.2 - 4	1 - 15
Antimony, Total	ug/L	EPA 200.7, EPA 200.8	0.2 - 4	1 - 15
Arsenic, Dissolved	ug/L	EPA 200.7, EPA 200.8, EPA 206.3, I-1062-84	1 - 40	2 - 100
Arsenic, Total	ug/L	EPA 200.7, EPA 200.8, EPA 206.3, I-3062-84	1 - 40	2 - 100
Barium, Dissolved	ug/L	EPA 200.7, EPA 200.8	0.2 - 2	1 - 3
Barium, Total	ug/L	EPA 200.7, EPA 200.8	0.2 - 1	1 - 3
Beryllium, Dissolved	ug/L	EPA 200.7, EPA 200.8	0.02 - 0.5	0.2 - 2
Beryllium, Total	ug/L	EPA 200.7, EPA 200.8	0.02 - 0.5	0.2 - 2
Cadmium, Dissolved	ug/L	EPA 200.7, EPA 200.8	0.02 - 5	0.2 - 15
Cadmium, Total	ug/L	EPA 200.7, EPA 200.8, I-3138-89	0.02 or 5	0.2 - 15
Chromium, Dissolved	ug/L	EPA 200.7, EPA 200.8, I-1238-84	1 - 10	3 - 30
Chromium, Total	ug/L	EPA 200.7, EPA 200.8, I-3238-84	1 - 10	3 - 30
Copper, Dissolved	ug/L	EPA 200.7	2 - 8	5 - 20
Copper, Total	ug/L	EPA 200.7	2 - 8	5 - 20
Iron, Total	ug/L	EPA 200.7, I-1381-85	3-10	10-30
Iron, Dissolved	ug/L	EPA 200.7, I-3381-85	3-10	10-30
Lead, Dissolved	ug/L	EPA 200.7, EPA 200.8, I-1403-89	0.1 - 3	0.5 - 10
Lead, Total	ug/L	EPA 200.7, EPA 200.8	3	0.5 - 10
Manganese, Total	ug/L	EPA 200.7, EPA 200.8, I-3454-85	0.1 - 10	0.5 - 5
Manganese, Dissolved	ug/L	EPA 200.7, EPA 200.8, I-1472-87, I-1454-84	0.1 - 10	0.5 - 5
Mercury, Dissolved	ug/L	EPA 245.2	0.1	0.2
Mercury, Total	ug/L	EPA 245.2, I-3462-84	0.1	0.2
Nickel, Dissolved	ug/L	EPA 200.7, EPA 200.8, I-1503-89	2 - 10	5 - 20
Nickel, Total	ug/L	EPA 200.7, EPA 200.8, I-3503-89	2 - 10	5 - 20
Selenium, Dissolved	ug/L	EPA 200.7	4	10
Selenium, Total	ug/L	EPA 200.7	4	10
Silver, Dissolved	ug/L	EPA 200.7, EPA 200.8, I-1724-89	0.05 - 4	0.2 - 10
Silver, Total	ug/L	EPA 200.7, EPA 200.8, I-3724-89	0.05 - 4	0.2 - 10
Strontium, Dissolved	ug/L	EPA 200.7, I-1472-87	0.1 - 2	1 - 3
Strontium, Total	ug/L	EPA 200.7	0.1 - 10	1 - 3
Thallium, Dissolved	ug/L	EPA 200.7, EPA 200.8	0.07 - 100	0.2 - 200
Thallium, Total	ug/L	EPA 200.7, EPA 200.8	0.07 - 200	0.2 - 200
Vanadium, Dissolved	ug/L	EPA 200.7, EPA 200.8	0.4 - 4	2 - 10
Vanadium, Total	ug/L	EPA 200.7, EPA 200.8	0.4 - 4	2 - 10
Zinc, Dissolved	ug/L	EPA 200.7, I-1472-87	2 - 10	10 - 30
Zinc, Total	ug/L	EPA 200.7	2 - 10	10 - 30

Statistical Methodology

Reporting Units

The state was subdivided into 20 geographic reporting units (see above map frame on the left). Each reporting unit consists of one or more USGS hydrologic units, or HUCs. These reporting units are consistent with those adopted for future statewide Tier 1 monitoring (see Future of the Network).

Aquifer Systems

Within each reporting unit, as many as three aquifer systems were sampled: the surficial aquifer system, the intermediate aquifer system, and the Floridan aquifer system. Not all aquifer systems were represented in each reporting unit. For each aquifer system occurring in the reporting unit, nonparametric summary statistics of the routinely analyzed chemical concentrations were calculated.

Grid System

A four-township grid system was used to reduce the influence of unevenness in the well distribution within reporting units (see map at left). For each reporting unit, median chemical concentrations were calculated for each grid cell. The median grid-cell concentrations were then used to calculate statistics for the reporting unit. Some wells were sampled more than once during the three-year period; in these cases, the most recent measurement was used to calculate the grid-cell medians.

Detection Limits

The ability of laboratories to detect and quantify very low concentrations of a chemical compound in an environmental sample is limited by a variety of factors, including the method of analysis, the analytical instrumentation, and the chemical and physical properties of the sample matrix. In response to these factors, detection limits varied during the three-year reporting period (Table 1).

For any given sample analyzed during the reporting period, the measurement result for a compound that was present at levels below the detection limit, or not present at all, was qualified by the laboratory as "not detected." In these cases, the value that was reported was the detection limit. For example, a cadmium analysis which failed to detect any cadmium was expressed as 0.1 U, indicating that the compound was either not present in the sample, or that the actual concentration was less than 0.1 ug/L. Data sets containing such results are said to be "left-censored," since the lower (left) portion of the distribution is truncated by the detection limit.

Censored data sets are difficult to analyze statistically. Since some of the actual values are unknown, even the simple task of calculating an average becomes problematic. Solutions to the censorship problem range from single-value substitution, to maximum likelihood estimation and other, more sophisticated treatments. For a more complete discussion on treatment of censored data, see Gilbert (1992).

For this report, concentrations reported as below detection were given a value equal to 1/2 the detection limit, prior to calculation of the summary statistics (single-value substitution). Although this method of correction is frequently used, it can lead to misleading summary statistics, particularly when a large fraction of the data set is left-censored. For example, use of this approach for total mercury, a compound that occurs infrequently in ground water, will generate a finite median concentration for mercury that is more reflective of method detection limits than of true ambient conditions. Furthermore, the calculated median will likely be less than the actual detection limit, since the bulk of the data are being assigned values equal to 1/2 the detection limit.

In an effort to prevent misinterpretation, we examined the detection limits encountered during the reporting period. For a given reporting unit and aquifer system, the highest method detection limit for each chemical variable was designated the lowest measurement threshold. If a summary statistic for a compound was less than its this threshold, the value of the statistic was elevated to its threshold, and qualified with a less-than symbol (<). (In other words, we censored the statistics at the highest method detection limit). Summary statistics qualified in this manner therefore represent maximums; the true values of the statistics are presumably less than those presented in the tables.

As stated above, there are more sophisticated treatments available to characterize censored data sets. However, if there is a genuine need to know more about the very lowest concentrations at which a compound occurs in the environment, a better approach would be to employ sampling and analytical procedures designed to measure in that range. Such procedures have recently been employed (EPA 1995); however, they are costly, and are probably best used to answer specific environmental questions, rather than as a general approach to ambient monitoring.

Results

Summary Contents

The results from this report are in the form of summary statistics. Tables for each aquifer system in the reporting units are presented with the following information.

- parameter name
- measurement units
- number of grid cells in the reporting unit
- number of wells sampled
- threshold value
- minimum value
- lower quartile
- median value
- upper quartile
- maximum value.

Parameters which were found to be less than the method detection limit were assigned a value equal to the method detection limit, and qualified in the database as undetected. Statistical treatment of these "non-detects" is problematic. For this report, values so qualified were arbitrarily assigned a value equal to 1/2 the method detection limit, and censored values, or the threshold, is reported, along with the summary statistics. Summary statistics which are less than the threshold may be more reflective of the laboratory method detection limit than of natural ambient conditions.

Statewide Results

A map of wells in the statewide network is presented as Figure 3. Statewide results are presented in Table 2 - Table 6. Results for individual reporting units are presented in Appendix A.

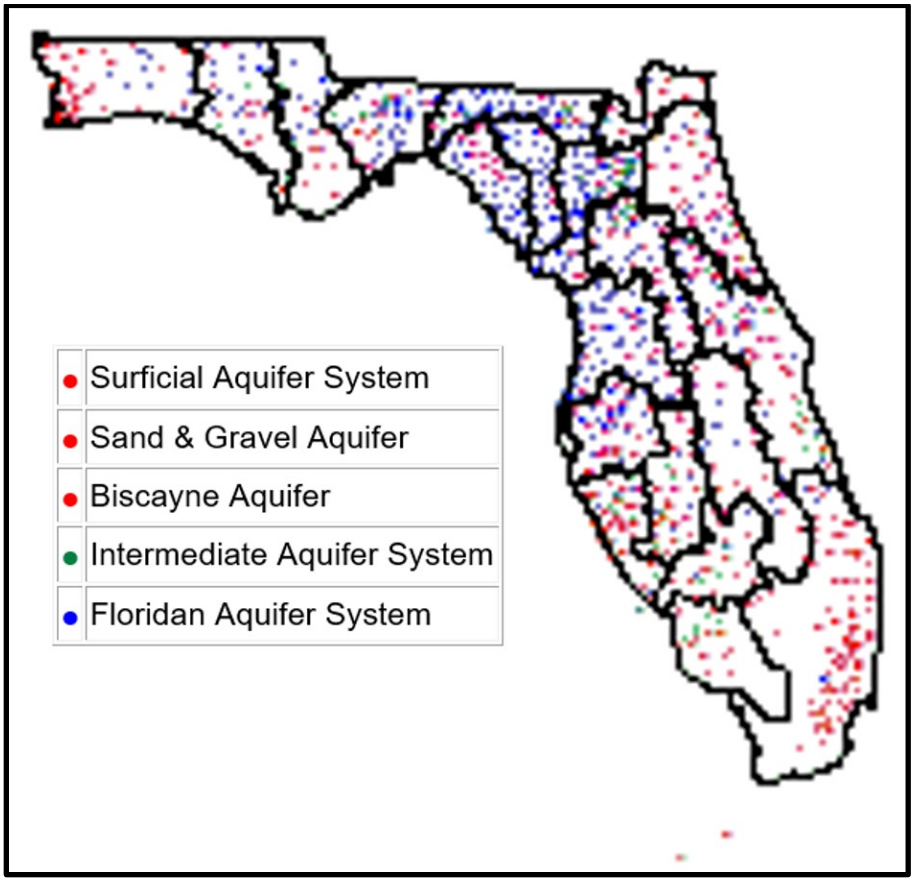

Figure 3. Map of wells in statewide DEP Ambient Monitoring Background Network 1992-1997.

Table 2. Statewide - Surficial Aquifer System - Background Network Summary Statistics 1994-1997

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	182	291	0.01	0.24	0.6025	2.88	8.46
Specific Conductance, Field	uS/cm	248	396	11	97.5	259.5	603.25	6440
Temperature	°C	249	397	10.6	22.2	23.8	25.2	29.5
pH, Field	s.u.	249	398	4.13	5.295	6.08	6.91	9.06
Alkalinity, Dissolved (as CaCO3)	mg/L	248	393	<1	8.95	70.6	222	502
Calcium, Dissolved	mg/L	249	396	0.24	4.91	29.9	86	407
Chloride, Dissolved	mg/L	248	387	1.3	5.55	12	37.225	17000
Fluoride, Dissolved	mg/L	248	390	<0.1	<0.1	0.1	0.2	1.6
Magnesium, Dissolved	mg/L	249	396	0.17	1.21	2.87	7.8	1190
Organic Carbon, Total	mg/L	186	287	<1	1.9	6.225	14	79
Potassium, Dissolved	mg/L	249	396	<0.2	0.58	1.1	2.47	374
Silica, Dissolved	mg/L	243	382	0.4	5.45	8.05	14.25	51.75
Sodium, Dissolved	mg/L	249	396	0.69	3.82	7.56	24.6	9970
Sulfate, Dissolved	mg/L	246	384	<0.2	1.875	5.45	19	2400
Sulfide, Total	mg/L	174	267	<1	<1	<1	<1	8.95
Turbidity	ntu	234	367	<0.8	5	15.65	53	3800
Aluminum, Dissolved	ug/L	247	391	<80	<80	<80	122.5	27000
Aluminum, Total	ug/L	247	392	<150	<150	340	1105	237000
Antimony, Total	ug/L	186	287	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	247	392	<5	<5	<5	<5	28.25
Barium, Dissolved	ug/L	247	392	<2	7.55	14	23.7	130
Barium, Total	ug/L	247	392	<2	10.375	18	34.5	854
Beryllium, Total	ug/L	186	287	<3	<3	<3	<3	4
Cadmium, Total	ug/L	247	392	<1	<1	<1	<1	21
Chromium, Total	ug/L	247	392	<10	<10	<10	<10	276
Copper, Dissolved	ug/L	246	390	<20	<20	<20	<20	90.9
Copper, Total	ug/L	247	392	<20	<20	<20	<20	280
Iron, Dissolved	ug/L	249	396	<4	71	425	1480	35000
Iron, Total	ug/L	247	392	<30	357.25	1220	3537.5	77801.5
Lead, Dissolved	ug/L	245	381	<10	<10	<10	<10	57.7
Lead, Total	ug/L	247	392	<3	<3	4	13.65	591
Manganese, Dissolved	ug/L	247	392	<2	5.5	13	28.5	532
Manganese, Total	ug/L	247	392	<2	7.65	15	37.325	1056.5
Mercury, Total	ug/L	247	392	<0.1	<0.1	<0.1	<0.1	1.8
Nickel, Total	ug/L	247	392	<10	<10	<10	<10	45
Selenium, Total	ug/L	186	288	<5	<5	<5	<5	16
Silver, Total	ug/L	247	392	<1	<1	<1	<1	2.2

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Strontium, Dissolved	ug/L	247	392	1	21	100	465	16400
Strontium, Total	ug/L	247	392	2	30	134	481.5	12000
Thallium, Total	ug/L	186	287	<10	<10	<10	<10	<10
Vanadium, Total	ug/L	186	287	<8	<8	<8	<8	202
Zinc, Dissolved	ug/L	247	392	<10	<10	<10	18.25	3380
Zinc, Total	ug/L	247	392	<20	<20	<20	31	14000
Ammonia+Organic Nitrogen, Dissolved	mg/L	246	389	<0.2	<0.2	0.48	1	13.915
Ammonia, Dissolved (as N)	mg/L	248	394	<0.01	0.028	0.165	0.44	12.305
Nitrate+Nitrite, Dissolved (as N)	mg/L	248	396	<0.2	<0.2	<0.2	<0.2	26
Orthophosphate, Dissolved (as P)	mg/L	175	271	<0.2	<0.2	<0.2	<0.2	1.818
Phosphorus, Dissolved (as P)	mg/L	246	387	<0.02	0.0215	0.05	0.12	8.531

Table 3. Statewide - Surficial Sand & Gravel Aquifer System - Background Network Summary Statistics 1994-1997

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	20	53	0.63	4.39	6.915	7.2975	9.02
Specific Conductance, Field	uS/cm	21	61	15	23.5	33.5	46	232.5
Temperature	°C	21	62	19.6	20.35	20.85	21.7	26.1
pH, Field	s.u.	21	62	4.85	5.09	5.25	5.545	6.48
Alkalinity, Dissolved (as CaCO3)	mg/L	21	60	<1	1.15	2	4.4	23
Calcium, Dissolved	mg/L	21	60	0.3	0.8	1.1	1.6	12
Chloride, Dissolved	mg/L	20	59	1.7	2.6	3.7	5.85	18
Fluoride, Dissolved	mg/L	21	60	<0.1	<0.1	<0.1	<0.1	0.1
Magnesium, Dissolved	mg/L	21	60	0.1	0.4	0.6	0.9	2.9
Potassium, Dissolved	mg/L	21	60	0.1	0.36	0.4	0.75	2
Sodium, Dissolved	mg/L	21	60	0.5	1.6	2.4	3.6	16
Sulfate, Dissolved	mg/L	20	59	<0.2	0.45	0.9	2.425	11
Turbidity	ntu	20	59	<0.8	<0.8	4.725	75.5	1600
Aluminum, Dissolved	ug/L	21	60	<20	<20	20	40	450
Aluminum, Total	ug/L	21	60	<20	40	80	590	6870
Arsenic, Total	ug/L	21	60	<1	<1	1	1	12.25
Barium, Dissolved	ug/L	21	60	2.1	6	11	21.5	70

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Barium, Total	ug/L	21	60	2	8.6	19	32	84
Cadmium, Total	ug/L	21	60	<1	<1	<1	<1	1
Chromium, Total	ug/L	21	60	<5	<5	<5	5	10.75
Copper, Dissolved	ug/L	21	60	<10	<10	<10	10	20
Copper, Total	ug/L	21	60	<10	<10	<10	10	20
Iron, Dissolved	ug/L	21	60	<3	3.75	9.5	130	1403.5
Iron, Total	ug/L	21	60	13	100	755	2300	10015
Lead, Dissolved	ug/L	21	60	<1	<1	<1	1	53
Lead, Total	ug/L	21	60	<1.4	1.4	1.8	7.2	50
Manganese, Dissolved	ug/L	21	60	1.4	5	9.2	14	36.5
Manganese, Total	ug/L	21	60	1.4	6.8	20.5	38	190
Mercury, Total	ug/L	21	60	<0.1	<0.1	<0.1	0.1	0.2
Nickel, Total	ug/L	21	60	<10	<10	<10	10	10
Silver, Total	ug/L	21	60	<1	<1	<1	1	1
Strontium, Dissolved	ug/L	21	60	3	6.5	10	20	155
Strontium, Total	ug/L	21	60	2.6	8	13	30	95
Zinc, Dissolved	ug/L	21	60	<4	5	7.5	11	470
Zinc, Total	ug/L	21	60	<4	7	10	18	1300
Ammonia+Organic Nitrogen, Dissolved	mg/L	21	60	<0.2	<0.2	<0.2	<0.2	0.43
Ammonia, Dissolved (as N)	mg/L	21	60	<0.01	<0.01	0.01	0.015	0.07
Nitrate+Nitrite, Dissolved (as N)	mg/L	21	60	<0.2	<0.2	<0.2	0.63	4.2
Phosphorus, Dissolved (as P)	mg/L	21	60	<0.02	<0.02	<0.02	0.03	0.05
Silica, Dissolved	mg/L	21	60	1.7	4.7	7.3	9.6	22.5

Table 4. Statewide - Surficial Biscayne Aquifer - Background Network Summary Statistics 1994-1997

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	11	32	0.22	0.285	0.35	0.755	2.45
Specific Conductance, Field	uS/cm	13	65	464	531	594	707	970
Temperature	°C	13	65	23.4	24.59	25.2	25.7	26.6
pH, Field	s.u.	13	64	6.7	6.9	7.07	7.16	7.22
Alkalinity, Dissolved (as CaCO3)	mg/L	13	64	184	210	220	256	317
Calcium, Dissolved	mg/L	13	64	78	86	90.5	99.5	110
Chloride, Dissolved	mg/L	13	64	16	27	35	50	170
Fluoride, Dissolved	mg/L	13	64	<0.1	0.1	0.2	0.2	0.3

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Magnesium, Dissolved	mg/L	13	64	2.2	2.85	3.2	6.1	13.4
Potassium, Dissolved	mg/L	13	64	1	1.8	2.8	3.5	6.3
Sodium, Dissolved	mg/L	13	64	8.3	15	21.5	33	77
Sulfate, Dissolved	mg/L	13	64	<0.2	0.4	20	21.5	33
Turbidity	ntu	13	62	<0.6	2	8.7	21	50
Aluminum, Dissolved	ug/L	13	62	<20	<20	<20	<20	<20
Aluminum, Total	ug/L	13	62	30	50	75	110	180
Arsenic, Total	ug/L	13	62	<1	<1	<1	1.2	3.5
Barium, Dissolved	ug/L	13	62	6.5	10.05	17	19	36
Barium, Total	ug/L	13	62	7.7	13	18	21	38.5
Cadmium, Total	ug/L	13	62	<1	<1	<1	<1	<1
Chromium, Total	ug/L	13	62	<5	<5	<5	<5	<5
Copper, Dissolved	ug/L	13	62	<10	<10	<10	<10	<10
Copper, Total	ug/L	13	62	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	13	64	5.25	320	540	800	5000
Iron, Total	ug/L	13	62	68	1300	1400	2900	9100
Lead, Dissolved	ug/L	13	62	<1	<1	<1	<1	1.75
Lead, Total	ug/L	13	62	2.6	8.2	16	20.95	27.5
Manganese, Dissolved	ug/L	13	62	1.5	8.5	14	18	48
Manganese, Total	ug/L	13	62	4	14	17.7	23	73
Mercury, Total	ug/L	13	62	<0.1	<0.1	<0.1	<0.1	0.1
Nickel, Total	ug/L	13	62	<10	<10	<10	<10	12.5
Silver, Total	ug/L	13	62	<1	<1	<1	<1	1.2
Strontium, Dissolved	ug/L	13	62	560	745	850	980	1350
Strontium, Total	ug/L	13	62	560	740	870	1100	1300
Zinc, Dissolved	ug/L	13	62	<4	<4	5	7	14
Zinc, Total	ug/L	13	62	<4	10	13	19	58
Ammonia+Organic Nitrogen, Dissolved	mg/L	13	62	<0.2	0.385	0.94	1.55	2.7
Ammonia, Dissolved (as N)	mg/L	13	62	0.01	0.12	0.46	0.58	1.9
Nitrate+Nitrite, Dissolved (as N)	mg/L	13	64	<0.02	0.02	0.07	0.25	1.8
Phosphorus, Dissolved (as P)	mg/L	13	62	<0.02	<0.02	<0.02	0.05	0.13
Silica, Dissolved	mg/L	13	62	2.3	3.6	6	7.7	11

Table 5. Statewide - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	97	162	<0.3	<0.3	0.37	1.69	7.59
Specific Conductance, Field	uS/cm	123	205	18	320.5	460	753	14000
Temperature	°C	123	205	11.9	21.9	23	24.9	29.6
pH, Field	s.u.	123	205	4.55	7.06	7.36	7.58	10.83
Alkalinity, Dissolved (as CaCO3)	mg/L	119	197	<1	127	163.5	224	448
Calcium, Dissolved	mg/L	123	205	0.35	32.15	50	86.75	260
Chloride, Dissolved	mg/L	119	194	1.7	6.7	13	75.5	4800
Fluoride, Dissolved	mg/L	119	194	<0.1	0.135	0.29	0.69	2.8
Magnesium, Dissolved	mg/L	123	205	0.2	4.14	14	24.05	240
Organic Carbon, Total	mg/L	88	128	<1	1.325	2.925	5.2	19
Potassium, Dissolved	mg/L	123	205	<0.1	0.84	1.6	4.375	38.6
Sodium, Dissolved	mg/L	123	205	1.35	4.83	13.3	49.45	2500
Sulfate, Dissolved	mg/L	118	193	<0.2	0.4	2.75	31	1100
Sulfide, Total	mg/L	75	103	<1	<1	<1	<1	3.5
Turbidity	ntu	111	175	<1	1.05	3.2	12.05	530
Aluminum, Dissolved	ug/L	121	201	<40	<40	<40	<40	760
Aluminum, Total	ug/L	121	202	<150	<150	<150	<150	9903.5
Antimony, Total	ug/L	89	129	<5	<5	<5	<5	<5
Arsenic, Total	ug/L	121	202	<20	<20	<20	<20	445.25
Barium, Dissolved	ug/L	121	202	<2	6.7	16.1	31.2	710
Barium, Total	ug/L	121	202	<2	7.6	18.9	35	710
Beryllium, Total	ug/L	89	129	<2	<2	<2	<2	<2
Cadmium, Total	ug/L	121	202	<1	<1	<1	<1	24.65
Chromium, Total	ug/L	121	202	<20	<20	<20	<20	35.7
Copper, Dissolved	ug/L	121	202	<20	<20	<20	<20	74.6
Copper, Total	ug/L	121	202	<10	<10	<10	<10	79.8
Iron, Dissolved	ug/L	123	204	<4	7.5	35	323	8200.75
Iron, Total	ug/L	121	202	<10	80	297	1060	101000
Lead, Dissolved	ug/L	112	186	<3	<3	<3	<3	19
Lead, Total	ug/L	121	202	<2	<2	<2	9.7	1100
Manganese, Dissolved	ug/L	121	202	<2	<2	7	24	180
Manganese, Total	ug/L	121	202	<5	<5	12	37	1782
Mercury, Total	ug/L	121	202	<0.1	<0.1	<0.1	<0.1	0.275

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Nickel, Total	ug/L	121	202	<40	<40	<40	<40	<40
Selenium, Total	ug/L	89	131	<10	<10	<10	<10	<10
Silver, Total	ug/L	121	202	<1	<1	<1	<1	3.1
Strontium, Dissolved	ug/L	121	202	2	101	412	1900	26000
Strontium, Total	ug/L	121	202	3.2	96.5	437	1835	26800
Thallium, Total	ug/L	89	129	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	89	129	<10	<10	<10	<10	36.5
Zinc, Dissolved	ug/L	121	202	<20	<20	<20	<20	14000
Zinc, Total	ug/L	121	202	<40	<40	<40	<40	14000
Ammonia+ Organic Nitrogen, Dissolved	mg/L	117	194	<0.2	<0.2	0.39	0.55	3.5
Ammonia, Dissolved (as N)	mg/L	120	201	<0.01	0.0875	0.225	0.4025	3
Nitrate+Nitrite, Dissolved (as N)	mg/L	121	203	<0.025	<0.025	<0.025	0.05	5.7
Orthophosphate, Dissolved (as P)	mg/L	78	107	<0.025	<0.025	0.046	0.15	1.3
Phosphorus, Dissolved (as P)	mg/L	119	197	<0.02	<0.02	0.03	0.13	9.7
Silica, Dissolved	mg/L	115	187	0.84	14	18.5	27.5	71

Table 6. Statewide - Floridan Aquifer System - Background Network Summary Statistics 1994-1997

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	228	602	<0.3	<0.3	0.385	1.51	10
Specific Conductance, Field	uS/cm	281	750	79	275	393	738	23700
Temperature	°C	281	750	11	21.85	23.1	24.8	30.2
pH, Field	s.u.	281	750	6.41	7.25	7.49	7.74	9.43
Alkalinity, Dissolved (as CaCO3)	mg/L	276	737	32	115.75	144.5	180.25	334
Calcium, Dissolved	mg/L	283	755	7.4	36	50	79.25	490
Chloride, Dissolved	mg/L	274	732	1.5	5.3	9.575	47.5	10000
Fluoride, Dissolved	mg/L	274	731	<0.1	<0.1	0.19	0.41	5.65
Magnesium, Dissolved	mg/L	283	755	0.4	5.235	9.65	25.55	500
Organic Carbon, Total	mg/L	220	562	<1	<1	1.9	3.4	43.05
Potassium, Dissolved	mg/L	283	755	<0.2	0.57	1.24	3.055	136
Sodium, Dissolved	mg/L	283	755	1.3	3.85	7.29	35.8	4400

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfate, Dissolved	mg/L	273	731	<0.2	1.825	6.7	41	1700
Sulfide, Total	mg/L	207	536	<1	<1	<1	<1	11.45
Turbidity	ntu	267	721	<50	<50	<50	<50	170
Aluminum, Dissolved	ug/L	281	748	<200	<200	<200	<200	204.5
Aluminum, Total	ug/L	281	752	<300	<300	<300	<300	2410
Antimony, Total	ug/L	221	564	<30	<30	<30	<30	<30
Arsenic, Total	ug/L	281	753	<20	<20	<20	<20	24
Barium, Dissolved	ug/L	281	753	<2	6.4	13.8	26	275
Barium, Total	ug/L	281	753	<2	7	14	27	265
Beryllium, Total	ug/L	221	564	<5	<5	<5	<5	<5
Cadmium, Total	ug/L	281	753	<1	<1	<1	<1	6
Chromium, Total	ug/L	281	753	<100	<100	<100	<100	<100
Copper, Dissolved	ug/L	281	743	<50	<50	<50	<50	<50
Copper, Total	ug/L	281	753	<20	<20	<20	<20	192.5
Iron, Dissolved	ug/L	283	755	<30	<30	<30	162.5	11400
Iron, Total	ug/L	281	753	<300	<300	<300	1182.5	21700
Lead, Dissolved	ug/L	262	669	<10	<10	<10	<10	<10
Lead, Total	ug/L	281	752	<5	<5	<5	<5	440.25
Manganese, Dissolved	ug/L	281	751	<10	<10	<10	15	456
Manganese, Total	ug/L	281	752	<100	<100	<100	<100	488
Mercury, Total	ug/L	281	752	<0.1	<0.1	<0.1	<0.1	0.775
Nickel, Total	ug/L	281	752	<40	<40	<40	<40	<40
Selenium, Total	ug/L	225	578	<50	<50	<50	<50	64.5
Silver, Total	ug/L	281	752	<10	<10	<10	<10	<10
Strontium, Dissolved	ug/L	281	751	21.9	78	337.5	2200	56000
Strontium, Total	ug/L	281	752	21.5	77.35	338	2000	49600
Thallium, Total	ug/L	221	564	<30	<30	<30	<30	<30
Vanadium, Total	ug/L	221	564	<20	<20	<20	<20	<20
Zinc, Dissolved	ug/L	281	752	<50	<50	<50	<50	360
Zinc, Total	ug/L	281	752	<200	<200	<200	<200	3600
Ammonia+Organic Nitrogen, Dissolved	mg/L	275	735	<0.2	<0.2	0.25	0.4525	2.4
Ammonia, Dissolved (as N)	mg/L	280	748	<0.02	0.036	0.14	0.3225	2.3
Nitrate+Nitrite, Dissolved (as N)	mg/L	281	750	<0.04	<0.04	<0.04	0.06	5
Orthophosphate, Dissolved (as P)	mg/L	213	546	<0.025	<0.025	0.031	0.055	6.5105
Phosphorus, Dissolved (as P)	mg/L	278	737	<0.02	<0.02	0.03	0.055	7.5135
Silica, Dissolved	mg/L	270	727	1.55	9	13	19	51

Intended Uses of the Data Summaries

The data summaries presented here can be used to evaluate differences in ground water quality from region to region, or from aquifer system to aquifer system. For example, it can be seen from

the data summary tables that alkalinity in wells tapping the Biscayne aquifer (southeastern reporting unit) is typically much greater (median = 220 mg/L) than that found for sand and gravel aquifer wells of northwest Florida (median = 2 mg/L) .

More useful, perhaps, is the contextual framework these data summaries provide. The data analyst interpreting water quality results from a specific site or data set can easily compare his results to those presented in the tables, either for compliance purposes, or to assist with validating new data. For each compound routinely measured, the data tables give an estimate of the expected concentration (the median), along with an estimate of the variance. For a normally distributed variable, the difference between the upper and lower quartiles, or inter-quartile range (IQR), is approximately equal to 1.35 standard deviations. Conservatively stated, ground water concentrations from unimpacted wells should fall within plus or minus 3 IQRs of the upper quartile and lower quartiles, respectively.

There are limitations on the use of these data summaries. The Ambient Monitoring Section makes no claims regarding the suitability of these summaries for any specific application. Appropriate use of these summaries is the sole responsibility of the user.

Further discussion regarding the usefulness of Background Data can be found in Maddox *et al* 1992 p. 2.

Limitations of the Data Summaries

Network Design

Wells in the Background Network were deliberately selected to avoid contamination; thus, the network is likely to give a "best case" water quality scenario of a region (Maddox et. al. 1992). However, in some cases, maximum values presented in the tables are higher than those expected from such a network; this may be due to accidental location of a well in a problem area, or to post-selection changes in water quality.

The physical extent of the aquifer system in some of the reporting units may preclude representation by a large number of grid cells. For this reason, non-parametric data summaries, which are less sensitive to sample size, are employed . Regardless, the robustness of the concentration ranges is dependent upon the number of sampled grid cells.

The Ambient Monitoring Section is in the process of redesigning the statewide monitoring network, in order to provide a less biased, more generally accurate depiction of the state's water quality resources. For further information on the redesign of the monitoring efforts in the state of Florida, please download the Integrated Water Resource Monitoring Implementation (IWRM) Document.

Well Construction

Although some wells in the Background Network were drilled specifically for water quality monitoring, most wells were pre-existing wells drilled for purposes other than water quality monitoring. Casing material, screen slot size, open-hole interval, grouting materials, and post-installation development procedures, to name a few, are all aspects of well construction which

may have had an affect on sample quality. The summary tables presented in this report used data from all sampled wells. Well construction data for sampled wells can be downloaded, if desired.

During the last 10 years, much has been published on the subject of monitor well design and construction, and their impacts on water quality results (see Neilson and Schalla 1991 for a complete review).

Sampling Procedures

Sample collection procedures can greatly impact water quality results (USEPA 1995). Although there is probably no one best method of sample collection, for all possible sampling situations, a single sampling protocol was adopted for Background Network monitoring, for the sake of statewide comparability . This procedure is generally described elsewhere in this report, and can be read about in detail in the Quality Assurance Plan for the Ambient Monitoring Section (Craig 1998).

Detection Limits

Analytical method detection limits and practical quantitation limits place a lower extent on the level at which a chemical can be confidently identified and accurately measured (refer to Statistical Methodology for a complete explanation of how below detection limits were handled in this report.)

Future of the Network

Recently, the Standards and Monitoring Section of the former FDEP Bureau of Surface Water Management and the Ground Water Quality Monitoring Program of the former FDEP Bureau of Drinking Water and Ground Water Resources were merged. The name of the new monitoring group is the Ambient Monitoring Section. A corresponding change in surface and ground water monitoring network design has ensued. The new monitoring effort will include ground and surface waters in one centralized ambient, water-quality monitoring system, which shall serve as the base of information for other more regulatory based water-quality networks (Copeland, 1997a, 1997b; Copeland & Hansard 1997).

The new Status monitoring network design is probability-based and shall allow the Department to make statements on overall water quality, by water resource, for the entire state with known bounds of statistical confidence. Six resources will be monitored for the status network:

- low-order streams,
- high-order streams,
- small lakes,
- large lakes,
- confined aquifers,
- unconfined aquifers.

Status monitoring is scheduled to begin sampling in October 1999. A complete cycle of monitoring will be completed every five years, with the original intent to align all water monitoring with the proposed EPA 305B reporting cycle.

For further information on the ambient monitoring efforts in the state of Florida, please download the Integrated Water Resource Monitoring Implementation (IWRM) Document.

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Acknowledgments

We acknowledge the following persons for their involvement in the Background Ground Water Quality Monitoring Network during the reporting period:

FDEP, Ambient Monitoring Section: Rick Copeland, Gary Maddox, Cindy Cosper, Penn Craig, Mary Paulic, Dave Adams, Joe North, Tom Biernacki, Ken Cossin, Mary Geuin, and Tracie Vaught.

FDEP, Bureau of Laboratories: Bill Coppenger, Tim Fitzpatrick, Yuh-Hsu Pan, Julio Arrecis, Liang Lin, Kate Brackett, and Lena Harris.

United States Geological Survey, Water Resources Division: Bob Kirkland, Connie Geller, Dan Stanley, Bill D'Angelo, Dave Medley, and Brian Katz.

Northwest Florida Water Management District: Tom Pratt, Katherine Milla, Kenny Hamilton, Jean Menne, and Tony Countyman.

Suwannee River Water Management District: Ron Ceryak, Willie Ray Hunter.

St. Johns River Water Management District: Bill Osburn, Nolan Col, Don Boniol, David Toth, Jody Lee, Rick Breed, Jimmy Ducote, and John Applewhite.

Southwest Florida Water Management District: Greg Jones, Eric Dehaven, Roberta Starks, Kyle Champion, Chris Tomlinson, Jason Hood, Edwin Miller, Christopher Anastasiou, and Richard Crosby.

South Florida Water Management District: Linda Lindstrom, Jeffry Herr, Carole Milliman, David Demonstranti, Ernest Dauenhauer, Milton Switanek, and Nancy Moore.

Alachua County Environmental Protection Department: Robin Hallbourg, Randy Chambers, J. Chris Bird, and Robert Taylor.

Broward County Office of Natural Resource Protection: George Riley, Bob Humple, Liz Humple, Russ Rand, Aniel Pierre-Louis, Reann Soodeen, and Robert Jenkins.

Collier County Pollution Control Department: George Yilmaz, George Sinback, David Brutcher, Steven Preston, and Gail Gibson.

Dade County Department of Environmental Resources Management: Julie Baker, Clint Oakley, Sam Laite, Lizbeth Britt, and Camillo Ignacio.

Environmental Resources Management-South, INC, Tampa, Florida: Sam Upchurch.

Appendix A – Results for Individual Reporting Units

Northwest Florida Reporting Unit A

A map of wells in Northwest Florida Reporting Unit A is presented as Figure 4. Results are presented in Table 7 - Table 9.

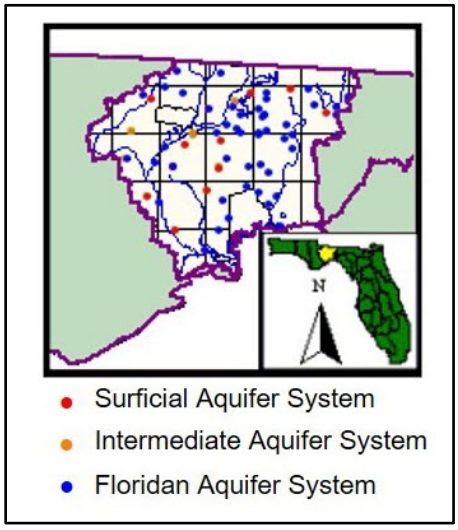

Figure 4. Map of wells in Northwest Florida Reporting Unit A.

Table 7. Northwest Reporting Unit A - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

Click here to download raw data.

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	9	13	1.01	1.94	2.09	4.24	7.53
Specific Conductance, Field	uS/cm	9	13	23	31	50	62	652
Temperature	°C	9	13	18.2	20.3	21.7	22.05	22.7
pH, Field	s.u.	9	13	4.61	4.78	5.39	6.38	9.06
Alkalinity, Dissolved (as CaCO3)	mg/L	9	13	<1	<1	<1	20.1	163
Calcium, Dissolved	mg/L	9	13	0.24	0.64	1.09	8.95	65.4
Chloride, Dissolved	mg/L	9	13	2	2.65	3.9	4.3	136
Fluoride, Dissolved	mg/L	9	13	<0.1	<0.1	<0.1	<0.1	0.55
Magnesium, Dissolved	mg/L	9	13	0.17	0.34	0.415	1.235	12.565
Organic Carbon, Total	mg/L	9	13	<1	<1	<1	2.55	7.2
Potassium, Dissolved	mg/L	9	13	<0.2	<0.2	0.3	1.14	1.57
Sodium, Dissolved	mg/L	9	13	1.295	1.88	2.67	3.16	69.735

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfate, Dissolved	mg/L	9	13	0.23	1	1.9	2	8.85
Sulfide, Total	mg/L	9	13	<0.06	<0.06	<0.06	<0.06	0.068
Turbidity	ntu	9	13	0.15	19.5	39.9	48.05	84
Aluminum, Dissolved	ug/L	9	13	<25	54	71.5	104.5	1430
Aluminum, Total	ug/L	9	13	45	520.5	1070	2355	9350
Antimony, Total	ug/L	9	13	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	9	13	<5	<5	<5	<5	11.3
Barium, Dissolved	ug/L	9	13	3.6	8.7	10.6	13.6	41.6
Barium, Total	ug/L	9	13	10.2	11.4	20.7	31.3	152
Beryllium, Total	ug/L	9	13	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	9	13	0.03	0.055	0.1	0.17	0.66
Chromium, Total	ug/L	9	13	<10	<10	<10	<10	<10
Copper, Dissolved	ug/L	9	13	<10	<10	<10	<10	<10
Copper, Total	ug/L	9	13	<10	<10	<10	<10	12
Iron, Dissolved	ug/L	9	13	<4	10	32	47.5	3782
Iron, Total	ug/L	9	13	16	354.5	1280	2076	6940
Lead, Dissolved	ug/L	9	13	<0.1	<0.1	0.1	0.2	0.5
Lead, Total	ug/L	9	13	0.39	0.585	3.2	5.43	7.1
Manganese, Dissolved	ug/L	9	13	<2	2.5	3	9.5	179
Manganese, Total	ug/L	9	13	2.5	6	7	10	212.5
Mercury, Total	ug/L	9	13	<0.1	<0.1	<0.1	<0.1	0.16
Nickel, Total	ug/L	9	13	<6	<6	<6	<6	<6
Selenium, Total	ug/L	9	13	<5	<5	<5	<5	<5
Silver, Total	ug/L	9	13	<0.04	<0.04	<0.04	0.07	0.37
Strontium, Dissolved	ug/L	9	13	4	6.5	9	21	166
Strontium, Total	ug/L	9	13	6	14	17	45	162.5
Thallium, Total	ug/L	9	13	<0.05	<0.05	<0.05	<0.05	0.1
Vanadium, Total	ug/L	9	13	<2	<2	4	9	17
Zinc, Dissolved	ug/L	9	13	<2	2	4	8	9
Zinc, Total	ug/L	9	13	<10	<10	<10	21	29
Ammonia+Organic Nitrogen, Dissolved	mg/L	9	13	<0.1	<0.1	0.12	0.18	0.915
Ammonia, Dissolved (as N)	mg/L	9	13	<0.01	<0.01	<0.01	0.0435	0.6525
Nitrate+Nitrite, Dissolved (as N)	mg/L	9	13	<0.005	0.0083	0.024	0.4015	1.7
Orthophosphate, Dissolved (as P)	mg/L	9	13	<0.025	<0.025	0.041	0.0485	0.13
Phosphorus, Dissolved (as P)	mg/L	9	13	<0.004	0.0355	0.043	0.0645	0.12
Silica, Dissolved	mg/L	9	13	3.1	3.95	4.1	4.8	7.9

Table 8. Northwest Reporting Unit A - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	7	12	0.21	0.425	0.54	0.765	7.57
Specific Conductance, Field	uS/cm	7	12	140	189.5	261	312.75	554
Temperature	°C	7	12	20.9	21.4	22	22.3	23.2
pH, Field	s.u.	7	12	6.63	7.07	7.53	7.88	8.19
Alkalinity, Dissolved (as CaCO3)	mg/L	7	12	70	90.75	148	158.275	288
Calcium, Dissolved	mg/L	7	12	6.58	32.55	47.8	52.4	97.6
Chloride, Dissolved	mg/L	7	12	1.7	2.3	2.7	4.2	6.5
Fluoride, Dissolved	mg/L	7	12	<0.1	<0.1	0.125	0.2	1.5
Magnesium, Dissolved	mg/L	7	12	0.45	1.365	4.31	6.06	10.06
Organic Carbon, Total	mg/L	7	12	<1	1.3	1.9	3	4.7
Potassium, Dissolved	mg/L	7	12	0.4	0.61	0.75	0.775	1.65
Sodium, Dissolved	mg/L	7	12	1.35	2.26	2.61	3.465	6.21
Sulfate, Dissolved	mg/L	7	12	<0.2	<0.2	0.285	0.4	1.5
Sulfide, Total	mg/L	7	12	<0.05	<0.05	<0.05	<0.05	0.24
Turbidity	ntu	7	12	0.25	0.355	0.55	8.15	18.5
Aluminum, Dissolved	ug/L	7	12	<30	<30	<30	<30	34
Aluminum, Total	ug/L	7	12	<35	<35	<35	54.375	71
Antimony, Total	ug/L	7	12	<0.4	<0.4	<0.4	<0.4	<0.4
Arsenic, Total	ug/L	7	12	<5	<5	<5	<5	<5
Barium, Dissolved	ug/L	7	12	3.1	12.8	21.55	23.65	47.4
Barium, Total	ug/L	7	12	2.8	12.7	22.1	22.75	44.5
Beryllium, Total	ug/L	7	12	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	7	12	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium, Total	ug/L	7	12	<10	<10	<10	<10	<10
Copper, Dissolved	ug/L	7	12	<3	<3	<3	<3	<3
Copper, Total	ug/L	7	12	<10	<10	<10	<10	11
Iron, Dissolved	ug/L	7	12	21	51	229	779.75	2240
Iron, Total	ug/L	7	12	47	94.5	275	1221.5	4400
Lead, Dissolved	ug/L	6	9	<2	<2	<2	<2	<2
Lead, Total	ug/L	7	12	<2	<2	<2	<2	2.01
Manganese, Dissolved	ug/L	7	12	1	3.5	5	6.5	58.5
Manganese, Total	ug/L	7	12	2	3	5	5.5	74
Mercury, Total	ug/L	7	12	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	7	12	<6	<6	<6	<6	<6
Selenium, Total	ug/L	7	12	<5	<5	<5	<5	<5
Silver, Total	ug/L	7	12	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	7	12	7	61.5	143	285.5	547
Strontium, Total	ug/L	7	12	6	60.75	135	278.5	529
Thallium, Total	ug/L	7	12	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium, Total	ug/L	7	12	<4	<4	<4	<4	8
Zinc, Dissolved	ug/L	7	12	<2	<2	3	16.5	34.5
Zinc, Total	ug/L	7	12	<5	12.5	16	24.5	62

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Ammonia+Organic Nitrogen, Dissolved	mg/L	7	12	<0.06	0.0815	0.11	0.16	0.31
Ammonia, Dissolved (as N)	mg/L	7	12	<0.01	0.069	0.095	0.12	0.196
Nitrate+Nitrite, Dissolved (as N)	mg/L	7	12	<0.005	<0.005	0.006	0.024	0.4635
Orthophosphate, Dissolved (as P)	mg/L	7	12	<0.025	0.0338	0.063	0.0675	0.24
Phosphorus, Dissolved (as P)	mg/L	7	12	0.008	0.039	0.066	0.1705	0.65
Silica, Dissolved	mg/L	7	12	9.6	13	16	23.5	32

Table 9. Northwest Reporting Unit A - Floridan Aquifer System -Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	17	45	0.2	0.48	1.45	2.44	7.79
Specific Conductance, Field	uS/cm	19	48	165	253	271	362.25	890
Temperature	°C	19	48	20.3	20.975	21.45	22.35	24.1
pH, Field	s.u.	19	48	7.315	7.5325	7.74	7.805	8.24
Alkalinity, Dissolved (as CaCO3)	mg/L	19	50	53	115.5	131	154.25	304
Calcium, Dissolved	mg/L	19	50	23.15	32	43.15	59.65	90
Chloride, Dissolved	mg/L	19	50	1.9	3.7	4.8	5.775	130
Fluoride, Dissolved	mg/L	19	50	<0.1	0.125	0.17	0.295	0.63
Magnesium, Dissolved	mg/L	19	50	0.53	5.335	7.755	10.7	40.2
Organic Carbon, Total	mg/L	19	47	<1	<1	<1	2.35	6.2
Potassium, Dissolved	mg/L	19	50	0.27	0.52	1.1	1.9375	2.94
Sodium, Dissolved	mg/L	19	50	1.5	3.0325	4.35	10.75	62.7
Sulfate, Dissolved	mg/L	19	50	<0.2	2.4	5.9	9.15	240
Sulfide, Total	mg/L	19	48	<0.25	<0.25	<0.25	<0.25	0.33
Turbidity	ntu	19	49	<0.3	<0.3	0.4	2.55	71.5
Aluminum, Dissolved	ug/L	19	49	<30	<30	<30	<30	40
Aluminum, Total	ug/L	19	49	<70	<70	<70	<70	193.5
Antimony, Total	ug/L	19	48	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	19	49	<5	<5	<5	<5	11
Barium, Dissolved	ug/L	19	49	6.3	11.825	26.7	41.75	139
Barium, Total	ug/L	19	49	6.5	11.65	24.8	42.05	140
Beryllium, Total	ug/L	19	48	<0.5	<0.5	<0.5	<0.5	<0.5

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Cadmium, Total	ug/L	19	49	<1	<1	<1	<1	<1
Chromium, Total	ug/L	19	49	<10	<10	<10	<10	<10
Copper, Dissolved	ug/L	19	49	<10	<10	<10	<10	<10
Copper, Total	ug/L	19	49	<10	<10	<10	<10	11.1
Iron, Dissolved	ug/L	19	50	<4	6	65	268.5	1050
Iron, Total	ug/L	19	49	12	37	76	443.25	9515
Lead, Dissolved	ug/L	16	42	<3	<3	<3	<3	<3
Lead, Total	ug/L	19	49	<2	<2	<2	<2	8.05
Manganese, Dissolved	ug/L	19	49	<2	<2	3	8.875	90
Manganese, Total	ug/L	19	49	<2	<2	3	9.375	85.3
Mercury, Total	ug/L	19	49	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	19	49	<10	<10	<10	<10	<10
Selenium, Total	ug/L	19	48	<5	<5	<5	<5	<5
Silver, Total	ug/L	19	49	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	19	49	53	95.5	130	406	1250
Strontium, Total	ug/L	19	49	55	90.5	125.5	401.5	1100
Thallium, Total	ug/L	19	48	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	19	48	<4	<4	<4	<4	6
Zinc, Dissolved	ug/L	19	49	<4	5.5	7	15.5	45
Zinc, Total	ug/L	19	49	<10	<10	17	29	243.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	19	50	<0.2	<0.2	<0.2	<0.2	0.38
Ammonia, Dissolved (as N)	mg/L	19	50	<0.01	<0.01	0.04	0.0815	0.29
Nitrate+Nitrite, Dissolved (as N)	mg/L	19	50	<0.02	<0.02	<0.02	0.285	3.4
Orthophosphate, Dissolved (as P)	mg/L	19	48	<0.025	<0.025	<0.025	0.041	0.21
Phosphorus, Dissolved (as P)	mg/L	19	49	<0.004	0.0085	0.0225	0.046	0.24
Silica, Dissolved	mg/L	19	49	6	11.5	14	17	24

Northwest Florida Reporting Unit B

A map of wells in Northwest Florida Reporting Unit B is presented as Figure 5. Results are presented in Table 10 - Table 12.

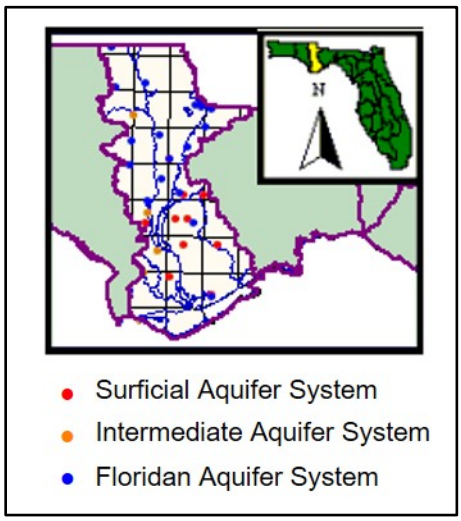

Figure 5. Map of wells in Northwest Florida Reporting Unit B.

Table 10. Northwest Reporting Unit B - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	5	6	0.89	1.02	3.44	4.5	4.53
Specific Conductance, Field	uS/cm	9	10	20	28.5	29	51	192
Temperature	°C	10	11	18.4	19.95	20.55	21	23.9
pH, Field	s.u.	10	11	4.59	4.83	4.97	5.39	7.34
Alkalinity, Dissolved (as CaCO3)	mg/L	9	10	<1	<1	<1	<1	138
Calcium, Dissolved	mg/L	10	11	0.37	1.01	1.3925	4.6	60.4
Chloride, Dissolved	mg/L	9	10	1.9	2.6	3.9	6.1	8.5
Fluoride, Dissolved	mg/L	9	10	<0.1	<0.1	<0.1	<0.1	<0.1
Magnesium, Dissolved	mg/L	10	11	0.22	0.28	0.4975	1.4	1.66
Organic Carbon, Total	mg/L	10	11	<1	1.3	1.95	4.3	20
Potassium, Dissolved	mg/L	10	11	0.1	0.37	0.6625	1.18	7.79
Sodium, Dissolved	mg/L	10	11	1.3	1.49	2.215	2.9	4.1
Sulfate, Dissolved	mg/L	9	10	0.99	1.5	3	4	6
Sulfide, Total	mg/L	9	10	<0.05	<0.05	0.058	0.14	0.48
Turbidity	ntu	8	9	0.15	9.35	20.425	61	440
Aluminum, Dissolved	ug/L	10	11	<20	<20	44.5	60	511
Aluminum, Total	ug/L	10	11	50	667	1705	2790	13000
Antimony, Total	ug/L	10	11	<1	<1	<1	<1	<1
Arsenic, Total	ug/L	10	11	<2	<2	<2	3	9.7

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Barium, Dissolved	ug/L	10	11	1.9	5.6	12.15	29.9	120
Barium, Total	ug/L	10	11	2.8	7.5	15.675	26.9	120
Beryllium, Total	ug/L	10	11	<0.5	<0.5	<0.5	<0.5	1
Cadmium, Total	ug/L	10	11	<0.08	<0.08	0.15	0.34	0.605
Chromium, Total	ug/L	10	11	<2	<2	<2	<2	29.1
Copper, Dissolved	ug/L	10	11	<3	<3	<3	<3	<3
Copper, Total	ug/L	10	11	<3	<3	<3	3.9	5
Iron, Dissolved	ug/L	10	11	<3	12	96.5	460	2480
Iron, Total	ug/L	10	11	11	1080	1790	8580	28900
Lead, Dissolved	ug/L	10	11	<0.5	<0.5	<0.5	<0.5	7.9
Lead, Total	ug/L	10	11	<0.5	0.56	1.93	7.93	210
Manganese, Dissolved	ug/L	10	11	5.2	6	9.5	21	89
Manganese, Total	ug/L	10	11	6	7	14.5	36	87
Mercury, Total	ug/L	10	11	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	10	11	<4	<4	<4	5	54
Selenium, Total	ug/L	10	11	<1	<1	<1	<1	1
Silver, Total	ug/L	10	11	<0.05	<0.05	<0.05	<0.05	<0.05
Strontium, Dissolved	ug/L	10	11	<0.5	4	10	25	482
Strontium, Total	ug/L	10	11	3	4	10.25	25	228
Thallium, Total	ug/L	10	11	<0.05	<0.05	<0.05	<0.05	0.08
Vanadium, Total	ug/L	10	11	<2	<2	2.75	3	47
Zinc, Dissolved	ug/L	10	11	<2	4	6.5	8	26
Zinc, Total	ug/L	10	11	5	7	14	19	31
Ammonia+Organic Nitrogen, Dissolved	mg/L	9	10	0.0325	0.0787	0.18	0.3	0.85
Ammonia, Dissolved (as N)	mg/L	9	10	<0.01	<0.01	0.053	0.11	0.26
Nitrate+Nitrite, Dissolved (as N)	mg/L	9	10	<0.02	<0.02	<0.02	0.0495	1.1
Orthophosphate, Dissolved (as P)	mg/L	9	10	<0.02	<0.02	<0.02	<0.02	0.026
Phosphorus, Dissolved (as P)	mg/L	10	11	<0.02	<0.02	<0.02	<0.02	0.046
Silica, Dissolved	mg/L	9	10	2.3	3.5	4.2	7.2	9

Table 11. Northwest Reporting Unit B - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	4	4	0.16	NSD	NSD	NSD	4.21
Specific Conductance, Field	uS/cm	8	9	213	219	379.5	517	615
Temperature	°C	8	9	20.9	21.15	22.075	22.65	26
pH, Field	s.u.	8	9	5.805	7.29	7.595	7.845	8.07

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Alkalinity, Dissolved (as CaCO3)	mg/L	7	8	110.25	123	150	217	294
Calcium, Dissolved	mg/L	8	9	26.8	31.6	34.75	49.0975	90.8
Chloride, Dissolved	mg/L	7	8	2.6	3.95	6.1	12.45	48
Fluoride, Dissolved	mg/L	7	8	<0.1	0.1075	0.19	0.605	1.3
Magnesium, Dissolved	mg/L	8	9	1.76	4.565	6.1525	26.1	39.1
Organic Carbon, Total	mg/L	8	9	<1	1	2.65	5.25	7.8
Potassium, Dissolved	mg/L	8	9	0.4	1.04	1.4975	3.16	12.7
Sodium, Dissolved	mg/L	8	9	1.73	3.74	5.27	16.6	37.8
Sulfate, Dissolved	mg/L	7	8	<0.2	0.65	8.3	28.3475	69
Sulfide, Total	mg/L	7	8	<0.05	<0.05	<0.05	0.097	0.29
Turbidity	ntu	7	8	0.6	1.4	2.3	75	271.5
Aluminum, Dissolved	ug/L	8	9	<30	<30	<30	<30	565
Aluminum, Total	ug/L	8	9	<15	43	96	1605.5	9903.5
Antimony, Total	ug/L	8	9	<1	<1	<1	<1	<1
Arsenic, Total	ug/L	8	9	<2	<2	<2	<2	17.6
Barium, Dissolved	ug/L	8	9	9.9	12.3	32.1	53.75	57.7
Barium, Total	ug/L	8	9	10.6	14.5	35.8	52.7	78.65
Beryllium, Total	ug/L	8	9	<0.5	<0.5	<0.5	0.525	1.125
Cadmium, Total	ug/L	8	9	<0.08	<0.08	<0.08	0.34	0.73
Chromium, Total	ug/L	8	9	<2	<2	<2	4.9	35.7
Copper, Dissolved	ug/L	8	9	<10	<10	<10	<10	<10
Copper, Total	ug/L	8	9	<10	<10	<10	11	13.25
Iron, Dissolved	ug/L	8	9	8	37	45	1994	4399
Iron, Total	ug/L	8	9	13	80	249.5	5820	18220
Lead, Dissolved	ug/L	8	9	<0.5	<0.5	<0.5	<0.5	1.98
Lead, Total	ug/L	8	9	<0.5	<0.5	0.885	5.99	16.105
Manganese, Dissolved	ug/L	8	9	<2	<2	<2	33.5	67
Manganese, Total	ug/L	8	9	<1	<1	8	101.5	145
Mercury, Total	ug/L	8	9	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	8	9	<4	<4	<4	4	13
Selenium, Total	ug/L	8	9	<1	<1	<1	<1	1.75
Silver, Total	ug/L	8	9	<0.05	<0.05	<0.05	<0.05	0.08
Strontium, Dissolved	ug/L	8	9	32	319.25	622.5	1940	4110
Strontium, Total	ug/L	8	9	34	331	596	1890	3740
Thallium, Total	ug/L	8	9	<0.05	<0.05	<0.05	0.0525	0.3425
Vanadium, Total	ug/L	8	9	<2	<2	<2	5.5	36.5
Zinc, Dissolved	ug/L	8	9	<2	<2	3	8.5	24
Zinc, Total	ug/L	8	9	3	6.5	20.5	75.25	122
Ammonia+Organic Nitrogen, Dissolved	mg/L	7	8	<0.1	<0.1	0.17	0.36	0.415
Ammonia, Dissolved (as N)	mg/L	7	8	<0.01	0.0645	0.2	0.325	0.37

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Nitrate+Nitrite, Dissolved (as N)	mg/L	7	8	<0.004	<0.004	0.006	0.012	0.57
Orthophosphate, Dissolved (as P)	mg/L	7	8	<0.004	0.0105	0.012	0.0153	0.048
Phosphorus, Dissolved (as P)	mg/L	8	9	<0.02	<0.02	<0.02	0.0208	0.045
Silica, Dissolved	mg/L	7	8	10	12.75	17	18	23

Table 12. Northwest Reporting Unit B - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	13	16	0.1	0.19	1.7	2.62	6.43
Specific Conductance, Field	uS/cm	17	20	162	225	256	333	614
Temperature	°C	17	20	11	21.2	21.9	22.7	25
pH, Field	s.u.	17	20	7.07	7.57	7.83	8.025	8.22
Alkalinity, Dissolved (as CaCO3)	mg/L	17	19	61.2	94.4	116	165	322
Calcium, Dissolved	mg/L	17	20	24.45	25.8	32.9	38.6	108
Chloride, Dissolved	mg/L	17	19	1.5	2.5	4.35	7.5	53
Fluoride, Dissolved	mg/L	17	19	<0.1	<0.1	0.12	0.19	2.1
Magnesium, Dissolved	mg/L	17	20	1.2	2.91	7.35	12	45.9
Organic Carbon, Total	mg/L	17	20	<1	<1	<1	2.3	11
Potassium, Dissolved	mg/L	17	20	0.3	0.755	1.13	1.86	19.8
Sodium, Dissolved	mg/L	17	20	1.44	2.61	3.85	7.87	30.3
Sulfate, Dissolved	mg/L	17	19	<0.2	<0.2	1.95	6.5	31
Sulfide, Total	mg/L	17	19	<0.05	<0.05	<0.05	<0.05	0.79
Turbidity	ntu	17	19	<0.05	0.25	1.1	8.5	75.0125
Aluminum, Dissolved	ug/L	17	20	<30	<30	<30	<30	<30
Aluminum, Total	ug/L	17	20	<35	<35	<35	<35	141
Antimony, Total	ug/L	17	20	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	17	20	<2	<2	<2	<2	4
Barium, Dissolved	ug/L	17	20	2.2	14.2	25.2	33.9	97.4
Barium, Total	ug/L	17	20	2.4	14.1	24.1	32.8	97.25
Beryllium, Total	ug/L	17	20	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	17	20	<0.08	<0.08	<0.08	<0.08	0.695
Chromium, Total	ug/L	17	20	<2	<2	<2	<2	7
Copper, Dissolved	ug/L	17	20	<10	<10	<10	<10	<10
Copper, Total	ug/L	17	20	<10	<10	<10	<10	23

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Iron, Dissolved	ug/L	17	20	<4	4	37	66	2520
Iron, Total	ug/L	17	20	<30	<30	116	1550	7502.5
Lead, Dissolved	ug/L	17	20	<0.5	<0.5	<0.5	0.5	2.62
Lead, Total	ug/L	17	20	<0.5	0.5	0.87	4.255	76.8
Manganese, Dissolved	ug/L	17	20	<2	<2	3	6	31.6
Manganese, Total	ug/L	17	20	<2	<2	4	12.65	130
Mercury, Total	ug/L	17	20	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	17	20	<6	<6	<6	<6	<6
Selenium, Total	ug/L	17	20	<2	<2	<2	<2	<2
Silver, Total	ug/L	17	20	<0.05	<0.05	<0.05	<0.05	<0.05
Strontium, Dissolved	ug/L	17	20	32	68.2	342	519	5360
Strontium, Total	ug/L	17	20	31.5	63.55	317	495	5220
Thallium, Total	ug/L	17	20	<0.1	<0.1	<0.1	<0.1	<0.1
Vanadium, Total	ug/L	17	20	<4	<4	<4	<4	<4
Zinc, Dissolved	ug/L	17	20	<2	2	4	7	18
Zinc, Total	ug/L	17	20	<10	<10	<10	19	206
Ammonia+Organic Nitrogen, Dissolved	mg/L	17	19	<0.1	<0.1	<0.1	0.15	0.69
Ammonia, Dissolved (as N)	mg/L	17	19	<0.01	<0.01	0.033	0.087	0.64
Nitrate+Nitrite, Dissolved (as N)	mg/L	17	19	<0.005	<0.005	0.012	0.82	4.7
Orthophosphate, Dissolved (as P)	mg/L	17	19	<0.025	<0.025	<0.025	0.03	0.12
Phosphorus, Dissolved (as P)	mg/L	17	20	<0.02	<0.02	0.02	0.031	0.12
Silica, Dissolved	mg/L	17	19	5.9	11	15	23	27

Northwest Florida Reporting Unit C

A map of wells in Northwest Florida Reporting Unit C is presented as Figure 6. Results are presented in Table 13 - Table 15.

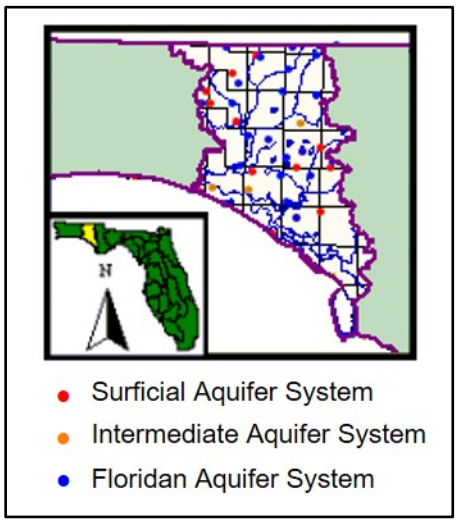

Figure 6. Map of wells in Northwest Florida Reporting Unit C.

Table 13. Northwest Reporting Unit C - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	10	11	0.22	0.64	2.325	6.53	7.93
Specific Conductance, Field	uS/cm	12	13	11	19	61	119	412
Temperature	°C	12	12	19.8	20.95	21.55	22.3	24.6
pH, Field	s.u.	12	13	4.31	4.985	5.5	6.03	7.03
Alkalinity, Dissolved (as CaCO3)	mg/L	12	13	<1	<1	15.9	31.4	110
Calcium, Dissolved	mg/L	12	13	0.27	0.745	5.94	23.3	37
Chloride, Dissolved	mg/L	12	13	1.3	1.7	3.575	7.7	72
Fluoride, Dissolved	mg/L	12	13	<0.1	<0.1	<0.1	<0.1	0.28
Magnesium, Dissolved	mg/L	12	13	0.173	0.3035	0.733	2.355	28
Organic Carbon, Total	mg/L	11	12	<1	<1	<1	1.925	11
Potassium, Dissolved	mg/L	12	13	<0.2	<0.2	0.4	0.845	1.385
Sodium, Dissolved	mg/L	12	13	0.69	1.085	2.2375	3.71	16
Sulfate, Dissolved	mg/L	12	12	0.24	0.715	2.25	14.65	89
Sulfide, Total	mg/L	10	10	<0.5	<0.5	<0.5	<0.5	1.8
Turbidity	ntu	11	11	0.8	1.4	2.8	13	310

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	12	13	<30	<30	<30	56	290
Aluminum, Total	ug/L	12	13	40	83	111.5	652.5	9990
Antimony, Total	ug/L	12	13	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	12	13	<3	<3	<3	<3	20.7
Barium, Dissolved	ug/L	12	13	<0.5	4.3	5.1	18.075	24.1
Barium, Total	ug/L	12	13	<0.5	4.4	7.2	22.725	111
Beryllium, Total	ug/L	12	13	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	12	13	<1	<1	<1	<1	3.76
Chromium, Total	ug/L	12	13	<5	<5	<5	<5	34.4
Copper, Dissolved	ug/L	12	13	<10	<10	<10	<10	<10
Copper, Total	ug/L	12	13	<10	<10	<10	<10	104
Iron, Dissolved	ug/L	12	13	<3	6.5	427	1700	10100
Iron, Total	ug/L	12	13	<30	58	641.5	2470.5	45900
Lead, Dissolved	ug/L	12	13	<3	<3	<3	<3	<3
Lead, Total	ug/L	12	13	<3	<3	<3	3.275	374
Manganese, Dissolved	ug/L	12	13	1.1	2.9	7.4	43	86
Manganese, Total	ug/L	12	13	1	3.25	8.075	38.8	155
Mercury, Total	ug/L	12	13	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	12	13	<10	<10	<10	<10	34
Selenium, Total	ug/L	12	13	<4	<4	<4	<4	<4
Silver, Total	ug/L	12	13	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	12	13	1.7	6.45	16.75	74.3	199
Strontium, Total	ug/L	12	13	2.5	6.45	17.05	74.725	462
Thallium, Total	ug/L	12	13	<10	<10	<10	<10	<10
Vanadium, Total	ug/L	12	13	<4	<4	<4	<4	50
Zinc, Dissolved	ug/L	12	13	<4	<4	<4	7.5	85
Zinc, Total	ug/L	12	13	<10	<10	<10	44.25	11100
Ammonia+Organic Nitrogen, Dissolved	mg/L	11	12	<0.2	<0.2	<0.2	<0.2	1.4
Ammonia, Dissolved (as N)	mg/L	12	13	<0.01	<0.01	0.0115	0.051	0.82
Nitrate+Nitrite, Dissolved (as N)	mg/L	12	13	<0.04	<0.04	0.0475	0.335	1
Orthophosphate, Dissolved (as P)	mg/L	10	10	<0.004	<0.004	0.0075	0.016	0.055
Phosphorus, Dissolved (as P)	mg/L	11	12	<0.004	0.0045	0.01	0.0265	0.069
Silica, Dissolved	mg/L	11	12	3	3.7	6.3	7.25	13

Table 14. Northwest Reporting Unit C - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	3	3	0.26	NSD	NSD	NSD	7.31
Specific Conductance, Field	uS/cm	5	5	18	36	261	331	420
Temperature	°C	5	5	20.8	21.2	21.4	21.6	22
pH, Field	s.u.	5	5	5.03	5.35	7.15	7.53	7.58
Alkalinity, Dissolved (as CaCO3)	mg/L	3	3	<1	NSD	NSD	NSD	210
Calcium, Dissolved	mg/L	5	5	0.41	1.95	50	50	77
Chloride, Dissolved	mg/L	3	3	2.1	NSD	NSD	NSD	9.3
Fluoride, Dissolved	mg/L	3	3	<0.1	NSD	NSD	NSD	<0.1
Magnesium, Dissolved	mg/L	5	5	0.231	0.63	1.6	3.6	3.9
Organic Carbon, Total	mg/L	4	4	<1	NSD	NSD	NSD	2.2
Potassium, Dissolved	mg/L	5	5	0.06	0.2	0.2	0.53	1.5
Sodium, Dissolved	mg/L	5	5	1.6	1.91	3	3.9	5.8
Sulfate, Dissolved	mg/L	3	3	<0.2	NSD	NSD	NSD	6.6
Sulfide, Total	mg/L	2	2	<0.05	NSD	NSD	NSD	<0.05
Turbidity	ntu	3	3	0.65	NSD	NSD	NSD	19
Aluminum, Dissolved	ug/L	5	5	<25	<25	<25	<25	<25
Aluminum, Total	ug/L	5	5	<20	40	41	80	207
Antimony, Total	ug/L	5	5	<3	<3	<3	<3	<3
Arsenic, Total	ug/L	5	5	<2	<2	<2	<2	<2
Barium, Dissolved	ug/L	5	5	3.9	7	9.6	14.6	44.3
Barium, Total	ug/L	5	5	3.8	7.2	9.6	16	43.9
Beryllium, Total	ug/L	5	5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	5	5	<1	<1	<1	<1	<1
Chromium, Total	ug/L	5	5	<5	<5	<5	<5	<5
Copper, Dissolved	ug/L	5	5	<10	<10	<10	<10	<10
Copper, Total	ug/L	5	5	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	5	5	<4	<4	340	500	530
Iron, Total	ug/L	5	5	12	312	568	680	788
Lead, Dissolved	ug/L	5	5	<1	<1	<1	2.7	19
Lead, Total	ug/L	5	5	<1	<1	1.81	10	52
Manganese, Dissolved	ug/L	5	5	0.7	2.5	4	15	62
Manganese, Total	ug/L	5	5	<1	4	5	16	62
Mercury, Total	ug/L	5	5	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	5	5	<10	<10	<10	<10	<10
Selenium, Total	ug/L	5	5	<2	<2	<2	<2	<2
Silver, Total	ug/L	5	5	<1	<1	<1	<1	<1

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Strontium, Dissolved	ug/L	5	5	3	9	150	220	330
Strontium, Total	ug/L	5	5	3.2	10	153	212	310
Thallium, Total	ug/L	5	5	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	5	5	<4	<4	<4	<4	<4
Zinc, Dissolved	ug/L	5	5	<4	<4	<4	7	14
Zinc, Total	ug/L	5	5	<4	<4	12	30	61
Ammonia+Organic Nitrogen, Dissolved	mg/L	3	3	<0.1	NSD	NSD	NSD	0.27
Ammonia, Dissolved (as N)	mg/L	4	4	<0.01	NSD	NSD	NSD	0.07
Nitrate+Nitrite, Dissolved (as N)	mg/L	4	4	<0.02	NSD	NSD	NSD	0.47
Orthophosphate, Dissolved (as P)	mg/L	3	3	<0.004	NSD	NSD	NSD	0.08
Phosphorus, Dissolved (as P)	mg/L	4	4	<0.004	NSD	NSD	NSD	0.08
Silica, Dissolved	mg/L	3	3	7.3	NSD	NSD	NSD	10

Table 15. Northwest Reporting Unit C - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	14	18	0.1	0.2	0.535	2.81	6.285
Specific Conductance, Field	uS/cm	20	26	79	191	229	455.5	1113
Temperature	°C	20	26	20.5	21.2	21.65	23.65	25.3
pH, Field	s.u.	20	26	7.545	7.7	7.885	8.19	9.43
Alkalinity, Dissolved (as CaCO3)	mg/L	16	21	32	86.5	107	125	263.5
Calcium, Dissolved	mg/L	20	26	9.955	24.675	36.25	39.8	58
Chloride, Dissolved	mg/L	16	21	1.5	2.175	2.45	3.15	240
Fluoride, Dissolved	mg/L	16	21	<0.1	<0.1	<0.1	0.105	5.65
Magnesium, Dissolved	mg/L	20	26	0.4	2.6	6.025	12.8725	38
Organic Carbon, Total	mg/L	17	23	<1	<1	<1	1	4.25
Potassium, Dissolved	mg/L	20	26	<0.2	0.4525	0.675	3.5	17.59
Sodium, Dissolved	mg/L	20	26	1.5	1.755	2.57	29.275	140
Sulfate, Dissolved	mg/L	16	21	<0.2	0.7025	2.765	8.4	18
Sulfide, Total	mg/L	13	17	<0.25	<0.25	<0.25	<0.25	1.95
Turbidity	ntu	16	21	<0.4	<0.4	0.5	1.3625	14.5

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	20	26	<30	<30	<30	<30	50
Aluminum, Total	ug/L	20	26	<50	<50	<50	50.5	365
Antimony, Total	ug/L	17	23	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	20	26	<3	<3	<3	<3	<3
Barium, Dissolved	ug/L	20	26	<0.5	5.45	11.275	27.1	43.7
Barium, Total	ug/L	20	26	<0.5	5.475	11.475	27.3	43
Beryllium, Total	ug/L	17	23	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	20	26	<1	<1	<1	<1	1
Chromium, Total	ug/L	20	26	<5	<5	<5	<5	5
Copper, Dissolved	ug/L	20	26	<10	<10	<10	<10	10
Copper, Total	ug/L	20	26	<10	<10	<10	<10	33
Iron, Dissolved	ug/L	20	26	<3	5	24.25	87.5	487
Iron, Total	ug/L	20	26	<10	22	83.75	467.5	2382
Lead, Dissolved	ug/L	20	26	<3	<3	<3	<3	<3
Lead, Total	ug/L	20	26	<3	<3	<3	<3	<3
Manganese, Dissolved	ug/L	20	26	<2	<2	2.225	3.5625	18.5
Manganese, Total	ug/L	20	26	<2	<2	2.975	5	27.5
Mercury, Total	ug/L	20	26	<0.1	<0.1	<0.1	<0.1	0.1
Nickel, Total	ug/L	20	26	<10	<10	<10	<10	10
Selenium, Total	ug/L	17	23	<4	<4	<4	<4	<4
Silver, Total	ug/L	20	26	<1	<1	<1	<1	1
Strontium, Dissolved	ug/L	20	26	21.9	40.95	144.5	1892.5	21000
Strontium, Total	ug/L	20	26	22.4	41.35	143	1907.75	21800
Thallium, Total	ug/L	17	23	<10	<10	<10	<10	<10
Vanadium, Total	ug/L	17	23	<4	<4	<4	<4	<4
Zinc, Dissolved	ug/L	20	26	<4	<4	<4	4	30.5
Zinc, Total	ug/L	20	26	<10	<10	<10	23.5	53.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	16	21	<0.2	<0.2	<0.2	<0.2	0.5
Ammonia, Dissolved (as N)	mg/L	19	24	<0.01	0.01	0.036	0.23	0.52
Nitrate+Nitrite, Dissolved (as N)	mg/L	19	24	<0.02	<0.02	<0.02	0.14	0.785
Orthophosphate, Dissolved (as P)	mg/L	16	21	0.005	0.0085	0.02	0.0305	0.14
Phosphorus, Dissolved (as P)	mg/L	19	24	<0.02	<0.02	0.02	0.032	0.13
Silica, Dissolved	mg/L	16	21	3.6	9.5	10.75	18.5	35

Northwest Florida Reporting Unit D

A map of wells in Northwest Florida Reporting Unit D is presented as Figure 7. Results are presented in Table 16 - Table 17.

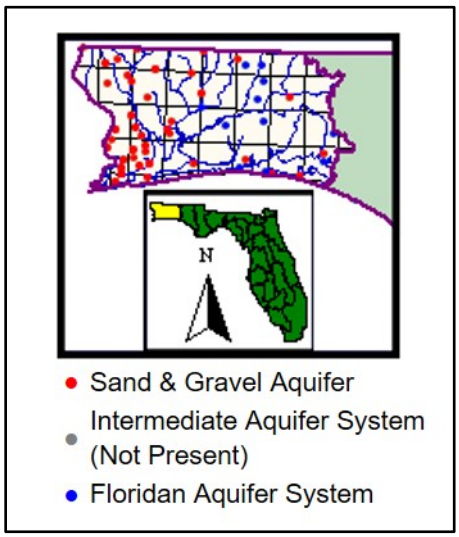

Figure 7. Map of wells in Northwest Florida Reporting Unit D.

Table 16. Northwest Reporting Unit D - Sand & Gravel Aquifer - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	20	58	0.12	4.78	6.975	7.3	9.02
Specific Conductance, Field	uS/cm	21	59	15	26	33	45	122
Temperature	°C	21	59	19.6	20.35	20.8	21.7	26.1
pH, Field	s.u.	21	59	4.85	5.09	5.25	5.45	6.48
Alkalinity, Dissolved (as CaCO3)	mg/L	21	58	<1	1.15	2	4.2	23
Calcium, Dissolved	mg/L	21	58	0.3	0.8	1.1	1.6	12
Chloride, Dissolved	mg/L	20	57	1.7	2.6	3.7	5.85	18
Fluoride, Dissolved	mg/L	21	58	<0.1	<0.1	<0.1	<0.1	0.1
Magnesium, Dissolved	mg/L	21	58	0.1	0.4	0.6	0.85	2.9
Organic Carbon, Total	mg/L	11	39	<2	<2	<2	<2	2.7
Potassium, Dissolved	mg/L	21	58	0.1	0.3	0.4	0.6	2
Sodium, Dissolved	mg/L	21	58	0.5	1.55	2.3	3.2	16
Sulfate, Dissolved	mg/L	20	57	<0.2	0.4	0.75	1.35	11
Sulfide, Total	mg/L	10	38	<1	<1	<1	<1	<1

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Turbidity	ntu	20	57	<0.8	<0.8	4.725	75.5	1600
Aluminum, Dissolved	ug/L	21	58	<20	<20	20	40	450
Aluminum, Total	ug/L	21	58	<20	40	80	590	8200
Arsenic, Total	ug/L	21	58	<1	<1	1	1	12.25
Barium, Dissolved	ug/L	21	58	2.1	6	11	22	70
Barium, Total	ug/L	21	58	2	8.6	19	32	84
Cadmium, Total	ug/L	21	58	<1	<1	<1	<1	1
Chromium, Total	ug/L	21	58	<5	<5	<5	5	10.75
Copper, Dissolved	ug/L	21	58	<10	<10	<10	10	20
Copper, Total	ug/L	21	58	<10	<10	<10	10	20
Iron, Dissolved	ug/L	21	58	<3	4	8	33	830
Iron, Total	ug/L	21	58	13	100	570	2300	10015
Lead, Dissolved	ug/L	21	58	<1	<1	<1	1	53
Lead, Total	ug/L	21	58	<1.4	1.4	1.7	7.2	50
Manganese, Dissolved	ug/L	21	58	1.4	5	7	12	32
Manganese, Total	ug/L	21	58	1.4	6.8	20.5	34	190
Mercury, Total	ug/L	21	58	<0.1	<0.1	<0.1	0.1	0.2
Nickel, Total	ug/L	21	58	<10	<10	<10	10	10
Silver, Total	ug/L	21	58	<1	<1	<1	1	1
Strontium, Dissolved	ug/L	21	58	3	6.5	10	20	260
Strontium, Total	ug/L	21	58	2.6	8	10	30	140
Zinc, Dissolved	ug/L	21	58	<4	5	7.5	14	470
Zinc, Total	ug/L	21	58	<4	7	11	18	1300
Ammonia+Organic Nitrogen, Dissolved	mg/L	21	58	<0.2	<0.2	<0.2	<0.2	0.43
Ammonia, Dissolved (as N)	mg/L	21	58	<0.01	<0.01	0.01	0.01	0.07
Nitrate+Nitrite, Dissolved (as N)	mg/L	21	58	<0.2	<0.2	<0.2	0.63	4.2
Orthophosphate, Dissolved (as P)	mg/L	10	38	<0.004	<0.004	<0.004	0.011	0.018
Phosphorus, Dissolved (as P)	mg/L	21	58	<0.02	<0.02	<0.02	0.03	0.05
Silica, Dissolved	mg/L	21	58	1.7	4.7	7.3	9.6	13

Table 17. Northwest Reporting Unit D - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	5	6	0.34	0.42	0.42	0.745	1.63
Specific Conductance, Field	uS/cm	9	12	166	204.5	283	580	1113
Temperature	°C	9	12	20.8	22.8	23.75	25.6	25.8

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
pH, Field	s.u.	9	12	7.8	7.915	8.015	8.28	8.44
Alkalinity, Dissolved (as CaCO3)	mg/L	9	13	70	102.5	131	158	195
Calcium, Dissolved	mg/L	9	13	7.4	16	19	28	44
Chloride, Dissolved	mg/L	9	13	2.2	2.6	3.1	92.5	240
Fluoride, Dissolved	mg/L	9	13	<0.1	0.2	0.2	0.4	1.05
Magnesium, Dissolved	mg/L	9	13	4.4	5.2	10	15.5	26
Potassium, Dissolved	mg/L	9	13	0.8	1.6	3.1	3.8	6.3
Sodium, Dissolved	mg/L	9	13	1.4	3.7	5.3	80	140
Sulfate, Dissolved	mg/L	9	13	6	7.65	7.9	8.2	18
Turbidity	ntu	9	13	<0.9	<0.9	<0.9	1	2.5
Aluminum, Dissolved	ug/L	9	13	<20	<20	20	20	20
Aluminum, Total	ug/L	9	13	<20	20	20	30	2410
Arsenic, Total	ug/L	9	13	<1	1	1	1.4	5.2
Barium, Dissolved	ug/L	9	13	3.4	10	13	27	275
Barium, Total	ug/L	9	13	4.5	9.85	13	27	265
Cadmium, Total	ug/L	9	13	<1	<1	<1	1	1
Chromium, Total	ug/L	9	13	<5	<5	5	5	5
Copper, Dissolved	ug/L	9	13	<10	<10	10	10	10
Copper, Total	ug/L	9	13	<10	<10	10	10	30
Iron, Dissolved	ug/L	9	13	<3	15	26	52	95
Iron, Total	ug/L	9	13	23	54	100	238	810
Lead, Dissolved	ug/L	9	13	<1	<1	1	1	5.5
Lead, Total	ug/L	9	13	<1	1	1.2	3	5
Manganese, Dissolved	ug/L	9	13	1	1.2	2.3	4	5
Manganese, Total	ug/L	9	13	1	1.35	3	4.6	19
Mercury, Total	ug/L	9	13	<0.1	<0.1	<0.1	0.1	0.1
Nickel, Total	ug/L	9	13	<10	<10	10	10	10
Silver, Total	ug/L	9	13	<1	<1	1	1	1.3
Strontium, Dissolved	ug/L	9	13	50	150	370	440	4900
Strontium, Total	ug/L	9	13	50	140	340	460	4900
Zinc, Dissolved	ug/L	9	13	<4	4	4	4	12
Zinc, Total	ug/L	9	13	4	6	14.5	41	49
Ammonia+Organic Nitrogen, Dissolved	mg/L	9	13	<0.2	<0.2	0.2	0.325	0.5
Ammonia, Dissolved (as N)	mg/L	9	13	<0.01	0.03	0.065	0.29	0.52
Nitrate+Nitrite, Dissolved (as N)	mg/L	9	13	<0.02	<0.02	0.02	0.03	1.3
Phosphorus, Dissolved (as P)	mg/L	9	13	<0.02	<0.02	0.02	0.02	0.02
Silica, Dissolved	mg/L	9	13	8.1	13	14	16	17

Suwannee River Reporting Unit A

A map of wells in Suwannee River Reporting Unit A is presented as Figure 8. Results are presented in Table 18.

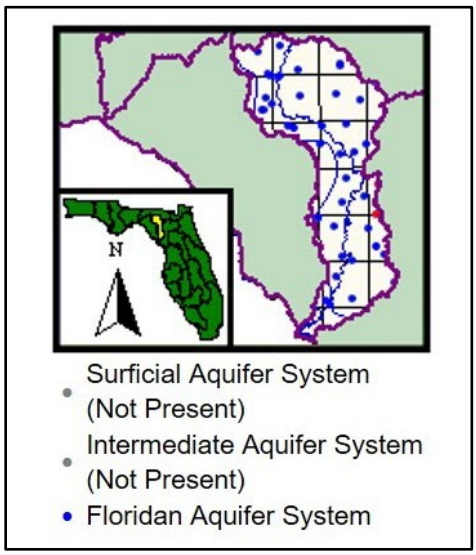

Figure 8. Map of wells in Suwannee River Reporting Unit A.

Table 18. Suwannee River Reporting Unit A - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	9	23	0.17	0.41	0.615	2.29	6.72
Specific Conductance, Field	uS/cm	16	45	96	297.5	342	428.5	542
Temperature	°C	16	45	21.3	21.55	21.85	22.425	23.7
pH, Field	s.u.	16	45	5.83	7.035	7.165	7.385	7.58
Alkalinity, Dissolved (as CaCO3)	mg/L	15	43	36	152.5	173	204	259
Calcium, Dissolved	mg/L	15	43	15	53.65	61.5	75.45	89.5
Chloride, Dissolved	mg/L	15	43	2.9	4.05	4.75	5	16.25
Fluoride, Dissolved	mg/L	15	43	<0.1	<0.1	<0.1	0.1575	0.6
Magnesium, Dissolved	mg/L	15	43	1.1	1.35	3.55	11.3275	30
Organic Carbon, Total	mg/L	9	21	<1	<1	1.75	3.3	10.6
Potassium, Dissolved	mg/L	15	43	<0.2	<0.2	0.2	0.43	5.05
Sodium, Dissolved	mg/L	15	43	1.76	2.41	2.76	3.04	7.3
Sulfate, Dissolved	mg/L	15	43	1.4	2.35	4.95	7.2	31
Sulfide, Total	mg/L	9	21	<0.25	<0.25	<0.25	<0.25	0.2725

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Turbidity	ntu	15	43	<50	<50	<50	<50	<50
Aluminum, Dissolved	ug/L	15	43	<30	<30	<30	<30	30
Aluminum, Total	ug/L	15	43	<50	<50	<50	135	2620
Antimony, Total	ug/L	9	21	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	15	43	<3	<3	<3	<3	<3
Barium, Dissolved	ug/L	15	43	<2	3.8	5.5	8.45	12.5
Barium, Total	ug/L	15	43	3	4.05	6.5	10.05	31.5
Beryllium, Total	ug/L	9	21	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	15	43	<1	<1	<1	<1	1
Chromium, Total	ug/L	15	43	<5	<5	<5	<5	15.5
Copper, Dissolved	ug/L	14	42	<10	<10	<10	<10	10
Copper, Total	ug/L	15	43	<10	<10	<10	<10	20
Iron, Dissolved	ug/L	15	43	<3	3.875	10	71	3210
Iron, Total	ug/L	15	43	<30	71.25	210	364.25	3310
Lead, Dissolved	ug/L	15	40	<3	<3	<3	<3	<3
Lead, Total	ug/L	15	43	<3	<3	<3	<3	8.36
Manganese, Dissolved	ug/L	15	43	<1	1	2	8.95	44
Manganese, Total	ug/L	15	43	<2	4.475	5.1	11.675	66
Mercury, Total	ug/L	15	43	<0.1	<0.1	<0.1	<0.1	0.1
Nickel, Total	ug/L	15	43	<10	<10	<10	<10	10
Selenium, Total	ug/L	11	26	<4	<4	<4	<4	<4
Silver, Total	ug/L	15	43	<1	<1	<1	<1	1
Strontium, Dissolved	ug/L	15	43	5.1	40.5	50	75.5	100
Strontium, Total	ug/L	15	43	30	40.75	63	82.5	100
Thallium, Total	ug/L	9	21	<10	<10	<10	<10	<10
Vanadium, Total	ug/L	9	21	<4	<4	<4	<4	17
Zinc, Dissolved	ug/L	15	43	<4	<4	<4	5	54
Zinc, Total	ug/L	15	43	<10	<10	<10	<10	73
Ammonia+Organic Nitrogen, Dissolved	mg/L	15	43	<0.2	<0.2	<0.2	0.225	0.35
Ammonia, Dissolved (as N)	mg/L	15	43	<0.01	<0.01	0.01	0.056	0.195
Nitrate+Nitrite, Dissolved (as N)	mg/L	15	43	<0.02	0.175	0.275	0.865	1.7
Orthophosphate, Dissolved (as P)	mg/L	9	21	0.0125	0.025	0.0395	0.082	0.26
Phosphorus, Dissolved (as P)	mg/L	15	42	<0.02	0.0318	0.0415	0.0865	0.76
Silica, Dissolved	mg/L	15	43	4.9	5.875	6.7	7.2	9.3

Suwannee River Reporting Unit B

A map of wells in Suwannee River Reporting Unit B is presented as Figure 9. Results are presented in Table 19 - Table 21.

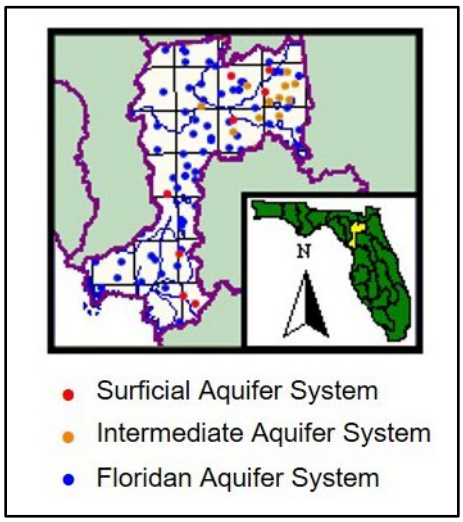

Figure 9. Map of wells in Suwannee River Reporting Unit B.

Table 19. Suwannee River Reporting Unit B - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	5	7	0.255	0.28	0.7	0.97	5.85
Specific Conductance, Field	uS/cm	8	10	34	53.5	87	148.5	210
Temperature	°C	8	10	21.9	22.45	23.3	23.6	26.1
pH, Field	s.u.	8	10	4.68	4.775	4.93	5.705	6.58
Alkalinity, Dissolved (as CaCO3)	mg/L	8	11	1.2	2.3	4.775	42.375	75
Calcium, Dissolved	mg/L	8	11	0.7	2	5	9.75	27
Chloride, Dissolved	mg/L	7	9	4.4	5.85	7.3	11.95	18
Fluoride, Dissolved	mg/L	7	9	<0.1	<0.1	<0.1	0.1875	0.7
Magnesium, Dissolved	mg/L	8	11	0.5	0.795	2.25	3.55	5.85
Organic Carbon, Total	mg/L	4	5	<1	NSD	NSD	NSD	4
Potassium, Dissolved	mg/L	8	11	<0.1	0.425	0.875	1.9	3.875
Sodium, Dissolved	mg/L	8	11	2.6	3.35	4.175	6.75	11.05
Sulfate, Dissolved	mg/L	7	9	<0.2	1.85	3.75	7	24

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfide, Total	mg/L	3	4	<1	NSD	NSD	NSD	<1
Turbidity	ntu	6	8	<0.8	<0.8	7.325	12.45	25
Aluminum, Dissolved	ug/L	8	11	40	47.5	115	225	890
Aluminum, Total	ug/L	8	11	50	112.5	445	519.5	1945
Antimony, Total	ug/L	4	5	<3	NSD	NSD	NSD	<3
Arsenic, Total	ug/L	8	11	<1	<1	<1	1.75	5.2
Barium, Dissolved	ug/L	8	11	2.6	5.8	10.3	13.5	67.7
Barium, Total	ug/L	8	11	3	5.6	10	13.125	67.85
Beryllium, Total	ug/L	4	5	<0.5	NSD	NSD	NSD	<0.5
Cadmium, Total	ug/L	8	11	<1	<1	<1	<1	1
Chromium, Total	ug/L	8	11	<5	<5	<5	<5	5
Copper, Dissolved	ug/L	8	11	<10	<10	<10	10.375	30
Copper, Total	ug/L	8	11	<10	<10	<10	10.375	40
Iron, Dissolved	ug/L	8	11	24	145.25	628	1200	1400
Iron, Total	ug/L	8	11	109	395	1135	1642.5	3200
Lead, Dissolved	ug/L	8	11	<2	<2	<2	2	4
Lead, Total	ug/L	8	11	<1	<1	1.35	3.5	8.74
Manganese, Dissolved	ug/L	8	11	1	14.5	21.075	33.75	44
Manganese, Total	ug/L	8	11	<1	14	23.4	33.75	47
Mercury, Total	ug/L	8	11	<0.1	<0.1	<0.1	0.1	0.175
Nickel, Total	ug/L	8	11	<10	<10	<10	<10	10
Selenium, Total	ug/L	5	6	<2	<2	<2	<2	<2
Silver, Total	ug/L	8	11	<1	<1	<1	<1	1
Strontium, Dissolved	ug/L	8	11	4.7	7.75	17.1	27.5	40
Strontium, Total	ug/L	8	11	5.6	8.45	22.45	31.25	40
Thallium, Total	ug/L	4	5	<3	NSD	NSD	NSD	<3
Vanadium, Total	ug/L	4	5	<4	NSD	NSD	NSD	7
Zinc, Dissolved	ug/L	8	11	<4	<4	7.5	15	37
Zinc, Total	ug/L	8	11	<4	4.75	7.75	16	44.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	8	11	<0.2	<0.2	0.22	0.7	1.1
Ammonia, Dissolved (as N)	mg/L	8	11	<0.01	0.02	0.11	0.41	0.81
Nitrate+Nitrite, Dissolved (as N)	mg/L	8	11	<0.02	<0.02	0.0325	0.1625	0.595
Orthophosphate, Dissolved (as P)	mg/L	4	5	0.01	NSD	NSD	NSD	0.086
Phosphorus, Dissolved (as P)	mg/L	7	9	0.02	0.0325	0.055	0.07	0.09
Silica, Dissolved	mg/L	7	9	2.8	5	6.85	8.45	21.15

Table 20. Suwannee River Reporting Unit B - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	6	14	<0.3	<0.3	<0.3	0.55	6
Specific Conductance, Field	uS/cm	6	14	196	323.5	376	418	423
Temperature	°C	6	14	21.15	21.3	21.55	22	23.1
pH, Field	s.u.	6	14	7.19	7.23	7.3225	7.34	7.4
Alkalinity, Dissolved (as CaCO3)	mg/L	6	14	88	159.5	183	208	214
Calcium, Dissolved	mg/L	6	14	23	37.5	41.7	44	46.1
Chloride, Dissolved	mg/L	6	14	3.2	7	9.85	10	10.2
Fluoride, Dissolved	mg/L	6	14	0.24	0.275	0.29	0.3	0.4
Magnesium, Dissolved	mg/L	6	14	9.8	14.15	17.375	23.1	24
Organic Carbon, Total	mg/L	5	13	<1	1.5	1.7	2.1	2.2
Potassium, Dissolved	mg/L	6	14	0.43	0.5	0.8275	0.89	1
Sodium, Dissolved	mg/L	6	14	2.8	3.57	5.0125	6.5	8.865
Sulfate, Dissolved	mg/L	6	14	0.78	0.95	1.7	2.5	5.6
Sulfide, Total	mg/L	5	13	<0.05	<0.05	<0.05	<0.05	0.076
Turbidity	ntu	6	14	<1	<1	1.6875	3.35	6.6
Aluminum, Dissolved	ug/L	6	14	<30	<30	<30	<30	<30
Aluminum, Total	ug/L	6	14	<40	<40	<40	<40	<40
Antimony, Total	ug/L	5	13	<2	<2	<2	<2	<2
Arsenic, Total	ug/L	6	14	<2	<2	<2	<2	2
Barium, Dissolved	ug/L	6	14	<2	5.7	17.125	22	25.2
Barium, Total	ug/L	6	14	<2	6.1	16.875	22	24.9
Beryllium, Total	ug/L	5	13	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	6	14	<1	<1	<1	<1	<1
Chromium, Total	ug/L	6	14	<5	<5	<5	<5	<5
Copper, Dissolved	ug/L	6	14	<10	<10	<10	<10	<10
Copper, Total	ug/L	6	14	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	6	14	<3	20	353.5	554	605
Iron, Total	ug/L	6	14	9	31	394.25	640	674.5
Lead, Dissolved	ug/L	5	12	<1	<1	<1	<1	<1
Lead, Total	ug/L	6	14	<1	<1	<1	<1	2
Manganese, Dissolved	ug/L	6	14	<1	16	39.75	55.5	180
Manganese, Total	ug/L	6	14	<1	15	39.25	53.5	180
Mercury, Total	ug/L	6	14	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	6	14	<10	<10	<10	<10	<10
Selenium, Total	ug/L	5	13	<1	<1	<1	<1	1
Silver, Total	ug/L	6	14	<1	<1	<1	<1	<1

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Strontium, Dissolved	ug/L	6	14	43	51	65.5	98.5	197.5
Strontium, Total	ug/L	6	14	43	52	64	96.5	201.5
Thallium, Total	ug/L	5	13	<0.05	<0.05	<0.05	<0.05	<0.05
Vanadium, Total	ug/L	5	13	<4	<4	<4	<4	9.5
Zinc, Dissolved	ug/L	6	14	<4	<4	10	18.5	22
Zinc, Total	ug/L	6	14	<4	<4	13	20.5	47
Ammonia+Organic Nitrogen, Dissolved	mg/L	6	14	<0.2	<0.2	<0.2	0.24	0.31
Ammonia, Dissolved (as N)	mg/L	6	14	<0.01	<0.01	0.015	0.039	0.13
Nitrate+Nitrite, Dissolved (as N)	mg/L	6	14	<0.02	<0.02	<0.02	0.08	1.9
Orthophosphate, Dissolved (as P)	mg/L	5	13	0.007	0.0465	0.1055	0.28	0.41
Phosphorus, Dissolved (as P)	mg/L	6	14	0.008	0.0575	0.2225	0.45	0.58
Silica, Dissolved	mg/L	6	14	11	13	16	16.5	19

Table 21. Suwannee River Reporting Unit B - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	12	47	<0.3	<0.3	<0.3	0.905	4.7
Specific Conductance, Field	uS/cm	21	79	163	309	359	447	2200
Temperature	°C	21	79	21.8	22.1	22.5	22.8	23.5
pH, Field	s.u.	21	79	6.89	7.05	7.23	7.535	8.57
Alkalinity, Dissolved (as CaCO3)	mg/L	22	75	67	146	172.5	247	290
Calcium, Dissolved	mg/L	22	84	24	39	57.125	82	203
Chloride, Dissolved	mg/L	21	71	4	5.8	7.65	13	310
Fluoride, Dissolved	mg/L	21	71	<0.1	<0.1	0.1	0.25	0.4
Magnesium, Dissolved	mg/L	22	84	0.65	2.7	8.825	14	45.9
Organic Carbon, Total	mg/L	11	33	<1	<1	1.2	2.3	4
Potassium, Dissolved	mg/L	22	84	<0.2	0.2	0.58	1.05	4.81
Sodium, Dissolved	mg/L	22	84	2	3.1	5.95	8.4	139
Sulfate, Dissolved	mg/L	20	70	<0.2	0.9	2.85	7.725	380
Sulfide, Total	mg/L	10	23	<1	<1	<1	<1	1.7
Turbidity	ntu	20	70	<1	<1	1.2	10.1	40.5

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	22	83	<30	<30	<30	<30	40
Aluminum, Total	ug/L	22	84	<40	<40	<40	40	155
Antimony, Total	ug/L	11	33	<3	<3	<3	<3	<3
Arsenic, Total	ug/L	22	85	<2	<2	<2	<2	24
Barium, Dissolved	ug/L	22	85	<2	3.25	7.025	12.3	24.25
Barium, Total	ug/L	22	85	<2	3.6	7	11.95	27.4
Beryllium, Total	ug/L	11	33	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	22	85	<1	<1	<1	<1	<1
Chromium, Total	ug/L	22	85	<5	<5	<5	<5	<5
Copper, Dissolved	ug/L	22	85	<10	<10	<10	<10	<10
Copper, Total	ug/L	22	85	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	22	84	<4	6	21.5	1101.5	3920
Iron, Total	ug/L	22	85	10	38.5	163.5	1174.5	4480
Lead, Dissolved	ug/L	22	84	<2	<2	<2	<2	<2
Lead, Total	ug/L	22	84	<1	<1	<1	1	12.6
Manganese, Dissolved	ug/L	22	83	<2	<2	14.375	20.25	156
Manganese, Total	ug/L	22	84	<2	3.7	14.125	23	166
Mercury, Total	ug/L	22	84	<0.1	<0.1	<0.1	<0.1	0.225
Nickel, Total	ug/L	22	84	<10	<10	<10	<10	<10
Selenium, Total	ug/L	14	40	<2	<2	<2	<2	2
Silver, Total	ug/L	22	84	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	22	83	25	50	76.75	325	1450
Strontium, Total	ug/L	22	84	25	53	75.05	320	1550
Thallium, Total	ug/L	11	33	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	11	33	<4	<4	<4	<4	6
Zinc, Dissolved	ug/L	22	84	<4	<4	<4	10	91
Zinc, Total	ug/L	22	84	<10	<10	<10	16	95.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	22	73	<0.2	<0.2	<0.2	0.39	0.74
Ammonia, Dissolved (as N)	mg/L	22	81	<0.01	0.01	0.0825	0.18	0.37
Nitrate+Nitrite, Dissolved (as N)	mg/L	22	82	<0.02	<0.02	<0.02	0.315	1.605
Orthophosphate, Dissolved (as P)	mg/L	11	25	0.01	0.026	0.043	0.0805	0.22
Phosphorus, Dissolved (as P)	mg/L	22	75	<0.02	0.025	0.0465	0.08	0.32
Silica, Dissolved	mg/L	20	70	3.8	6.4	8.9	14.25	28.5

Suwannee River Reporting Unit C

A map of wells in Suwannee River Reporting Unit C is presented as Figure 10. Results are presented in Table 22 - Table 24.

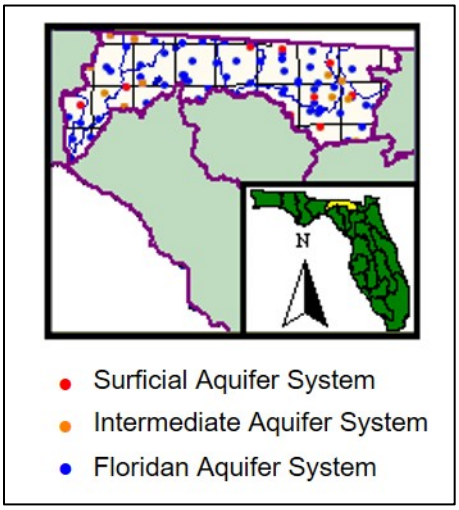

Figure 10. Map of wells in Suwannee River Reporting Unit C.

Table 22. Suwannee River Reporting Unit C - Surficial Aquifer System - Background Network Summary Statistics 1994-1997

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	5	5	1.24	3.85	3.9	5.76	6.02
Specific Conductance, Field	uS/cm	9	10	35	40	90	115	162
Temperature	°C	9	10	20	20.8	21.2	23	26.6
pH, Field	s.u.	9	10	4.8	5.08	5.15	5.31	5.98
Alkalinity, Dissolved (as CaCO3)	mg/L	9	10	<1	2	3	6.2	46
Calcium, Dissolved	mg/L	9	10	1.3	2.61	3.49	7.29	12.9
Chloride, Dissolved	mg/L	9	10	1.8	5.4	6.3	10	11
Fluoride, Dissolved	mg/L	9	10	<0.1	<0.1	0.1	0.2	0.47
Magnesium, Dissolved	mg/L	9	10	0.25	1	1.69	2.57	5.9
Organic Carbon, Total	mg/L	5	6	<1	<1	<1	2.1	7.6
Potassium, Dissolved	mg/L	9	10	0.2	0.4	0.6	1.21	2
Sodium, Dissolved	mg/L	9	10	1.27	2.1	2.85	4.1	10.8
Sulfate, Dissolved	mg/L	9	10	0.9	1.6	2.5	5.4	25
Sulfide, Total	mg/L	5	6	<0.05	<0.05	<0.05	<0.05	<0.05
Turbidity	ntu	9	10	0.3	1.6	5.05	23	53

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	9	10	20	30	137	241	460
Aluminum, Total	ug/L	9	10	130	160	308	560	1500
Antimony, Total	ug/L	5	6	<0.2	<0.2	<0.2	<0.2	<0.2
Arsenic, Total	ug/L	9	10	<2	<2	<2	<2	5
Barium, Dissolved	ug/L	9	10	4.6	9.5	11.9	18.9	45
Barium, Total	ug/L	9	10	7.1	12	14.7	18.1	55
Beryllium, Total	ug/L	5	6	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	9	10	<1	<1	<1	1	1
Chromium, Total	ug/L	9	10	<5	<5	<5	5	5
Copper, Dissolved	ug/L	9	10	<10	<10	10	12	277.35
Copper, Total	ug/L	9	10	<10	<10	10	21	197
Iron, Dissolved	ug/L	9	10	5	14	80	860	4600
Iron, Total	ug/L	9	10	13	107	535	1650	4200
Lead, Dissolved	ug/L	9	10	<1	<1	1	1	22.2
Lead, Total	ug/L	9	10	<1	<1	1.05	4	62.3
Manganese, Dissolved	ug/L	9	10	7	21	24	42	53
Manganese, Total	ug/L	9	10	8	20	25	39	45
Mercury, Total	ug/L	9	10	<0.1	<0.1	<0.1	0.1	0.2
Nickel, Total	ug/L	9	10	<10	<10	<10	10	10
Selenium, Total	ug/L	5	6	<1	<1	<1	<1	1
Silver, Total	ug/L	9	10	<1	<1	<1	1	1
Strontium, Dissolved	ug/L	9	10	5	6.8	10	20	30
Strontium, Total	ug/L	9	10	4	6.5	17	30	34
Thallium, Total	ug/L	5	6	<0.04	<0.04	<0.04	0.06	0.1
Vanadium, Total	ug/L	5	6	<2	<2	<2	2	3
Zinc, Dissolved	ug/L	9	10	<4	10	31	58	180
Zinc, Total	ug/L	9	10	<4	13	27	55	190
Ammonia+Organic Nitrogen, Dissolved	mg/L	9	10	<0.2	<0.2	0.23	0.32	0.52
Ammonia, Dissolved (as N)	mg/L	9	10	<0.01	<0.01	0.02	0.035	0.19
Nitrate+Nitrite, Dissolved (as N)	mg/L	9	10	<0.02	0.089	0.67	1.1	7.5
Orthophosphate, Dissolved (as P)	mg/L	5	6	0.032	0.045	0.062	0.15	0.51
Phosphorus, Dissolved (as P)	mg/L	9	10	<0.02	0.03	0.068	0.15	1.2
Silica, Dissolved	mg/L	9	10	2.8	4.7	4.95	6.2	16

Table 23. Suwannee River Reporting Unit C - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	10	11	0.15	0.72	2.0525	5.37	7.59
Specific Conductance, Field	uS/cm	10	11	30	34	197.75	320	422
Temperature	°C	10	11	20	21.4	21.825	22.3	22.8
pH, Field	s.u.	10	11	4.55	4.98	6.595	7.5	7.6
Alkalinity, Dissolved (as CaCO3)	mg/L	10	11	<1	<1	96.5	162	227
Calcium, Dissolved	mg/L	10	11	0.35	1.52	23.46	33.3	46
Chloride, Dissolved	mg/L	10	11	3	3.4	3.85	5.5	6.3
Fluoride, Dissolved	mg/L	10	11	<0.1	<0.1	0.18	0.22	0.29
Magnesium, Dissolved	mg/L	10	11	0.31	0.93	8.7025	18.1	24.1
Organic Carbon, Total	mg/L	10	11	<1	<1	<1	1.3	1.8
Potassium, Dissolved	mg/L	10	11	<0.1	0.2	0.665	0.83	1.35
Sodium, Dissolved	mg/L	10	11	1.95	2.71	3.09	3.97	4.56
Sulfate, Dissolved	mg/L	10	11	<0.2	<0.2	0.305	0.77	2.2
Sulfide, Total	mg/L	10	11	<0.05	<0.05	<0.05	<0.05	<0.05
Turbidity	ntu	10	11	0.35	0.8	2.4	10.6	100
Aluminum, Dissolved	ug/L	10	11	<30	<30	<30	50.5	280
Aluminum, Total	ug/L	10	11	<40	<40	87.5	465	3170
Antimony, Total	ug/L	10	11	<2	<2	<2	<2	<2
Arsenic, Total	ug/L	10	11	<2	<2	<2	<2	<2
Barium, Dissolved	ug/L	10	11	0.9	2.1	2.95	4.6	35.9
Barium, Total	ug/L	10	11	2.1	3.4	4.7	10.7	101
Beryllium, Total	ug/L	10	11	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	10	11	<0.02	<0.02	0.045	0.075	1.02
Chromium, Total	ug/L	10	11	<2	<2	<2	<2	2
Copper, Dissolved	ug/L	10	11	<10	<10	<10	30.3	74.6
Copper, Total	ug/L	10	11	<10	<10	<10	26.7	79.8
Iron, Dissolved	ug/L	10	11	<3	5	12.75	182	1640
Iron, Total	ug/L	10	11	7	124	264.5	505	1820
Lead, Dissolved	ug/L	7	8	<0.1	<0.1	0.1	0.5025	0.98
Lead, Total	ug/L	10	11	<0.1	<0.1	0.705	1.49	1.9
Manganese, Dissolved	ug/L	10	11	<2	2	6.125	40	43
Manganese, Total	ug/L	10	11	<1	6	20	41	43
Mercury, Total	ug/L	10	11	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	10	11	<6	<6	<6	<6	<6
Selenium, Total	ug/L	10	11	<1	<1	<1	<1	<1
Silver, Total	ug/L	10	11	<0.04	<0.04	<0.04	<0.04	0.04

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Strontium, Dissolved	ug/L	10	11	2	5	21.75	30	48
Strontium, Total	ug/L	10	11	5	21	24	48	55
Thallium, Total	ug/L	10	11	<0.05	<0.05	<0.05	<0.05	0.13
Vanadium, Total	ug/L	10	11	<4	<4	<4	<4	7
Zinc, Dissolved	ug/L	10	11	<2	6	29	40	185
Zinc, Total	ug/L	10	11	5	17.5	39.5	78	85
Ammonia+Organic Nitrogen, Dissolved	mg/L	10	11	<0.1	<0.1	<0.1	0.11	0.19
Ammonia, Dissolved (as N)	mg/L	10	11	<0.01	<0.01	0.024	0.042	0.13
Nitrate+Nitrite, Dissolved (as N)	mg/L	10	11	<0.004	0.006	0.1555	0.41	5.7
Orthophosphate, Dissolved (as P)	mg/L	10	11	0.006	0.015	0.057	0.15	0.175
Phosphorus, Dissolved (as P)	mg/L	10	11	0.008	0.023	0.059	0.155	0.17
Silica, Dissolved	mg/L	10	11	6.6	7.7	13.5	19	46

Table 24. Suwannee River Reporting Unit C - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	18	56	0.12	0.2	0.2725	0.87	6.205
Specific Conductance, Field	uS/cm	23	70	192	278	310.5	390.75	610
Temperature	°C	23	70	20.2	21.15	21.4	21.675	22.9
pH, Field	s.u.	23	70	6.655	7.225	7.41	7.525	9.02
Alkalinity, Dissolved (as CaCO3)	mg/L	23	70	104	127.25	156	178.75	323
Calcium, Dissolved	mg/L	23	70	32.7	41.75	48.6	60.025	77.65
Chloride, Dissolved	mg/L	23	70	2.7	3.9	4.9	6.075	11
Fluoride, Dissolved	mg/L	23	70	<0.1	0.135	0.2	0.265	0.5
Magnesium, Dissolved	mg/L	23	70	1.63	6.6075	9.11	18.325	36
Organic Carbon, Total	mg/L	18	56	<1	<1	1.225	2.95	10.4
Potassium, Dissolved	mg/L	23	70	0.2	0.4	0.52	0.965	1.5
Sodium, Dissolved	mg/L	23	70	1.91	2.765	3.09	4.9625	17
Sulfate, Dissolved	mg/L	23	70	<0.2	1.84	3.2	4.775	28
Sulfide, Total	mg/L	18	55	<0.06	<0.06	<0.06	<0.06	0.088
Turbidity	ntu	22	69	<0.7	0.8	1.9	3	15.15

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	23	70	<30	<30	<30	<30	31
Aluminum, Total	ug/L	23	70	<35	<35	<35	42.625	725
Antimony, Total	ug/L	18	56	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	23	70	<2	<2	<2	<2	2
Barium, Dissolved	ug/L	23	70	1.5	4.25	6.8	13.7	42
Barium, Total	ug/L	23	70	1.7	4.75	8.3	14.4	42
Beryllium, Total	ug/L	18	56	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	23	70	<1	<1	<1	<1	1
Chromium, Total	ug/L	23	70	<5	<5	<5	<5	5.4
Copper, Dissolved	ug/L	23	70	<10	<10	<10	<10	10
Copper, Total	ug/L	23	70	<10	<10	<10	<10	28.5
Iron, Dissolved	ug/L	23	70	<4	11.875	57.5	328.75	1120
Iron, Total	ug/L	23	70	14	49.25	153.5	412.75	1890
Lead, Dissolved	ug/L	22	54	<1	<1	<1	<1	1
Lead, Total	ug/L	23	70	<1	<1	<1	1.07	8.7
Manganese, Dissolved	ug/L	23	70	<2	4.125	20	30.25	107.5
Manganese, Total	ug/L	23	70	<2	8.025	23	29.25	104
Mercury, Total	ug/L	23	70	<0.1	<0.1	<0.1	<0.1	0.1
Nickel, Total	ug/L	23	70	<10	<10	<10	<10	10
Selenium, Total	ug/L	18	56	<2	<2	<2	<2	<2
Silver, Total	ug/L	23	70	<1	<1	<1	<1	1
Strontium, Dissolved	ug/L	23	70	22	38	54	84	262
Strontium, Total	ug/L	23	70	21	42.5	51.5	82.5	266
Thallium, Total	ug/L	18	56	<0.1	<0.1	<0.1	<0.1	<0.1
Vanadium, Total	ug/L	18	56	<4	<4	<4	<4	8.5
Zinc, Dissolved	ug/L	23	70	<4	<4	4	7.5	40
Zinc, Total	ug/L	23	70	<10	<10	<10	14.75	45
Ammonia+Organic Nitrogen, Dissolved	mg/L	23	70	<0.2	<0.2	<0.2	0.22	0.58
Ammonia, Dissolved (as N)	mg/L	23	70	<0.02	<0.02	0.044	0.098	0.385
Nitrate+Nitrite, Dissolved (as N)	mg/L	23	70	<0.025	<0.025	<0.025	0.0605	3.65
Orthophosphate, Dissolved (as P)	mg/L	18	56	0.0325	0.051	0.0682	0.11	0.34
Phosphorus, Dissolved (as P)	mg/L	23	70	<0.02	0.048	0.069	0.1175	0.37
Silica, Dissolved	mg/L	23	70	6.5	10.5	14	23	51

Suwannee River Reporting Unit D

A map of wells in Suwannee River Reporting Unit D is presented as Figure 11. Results are presented in Table 25 - Table 26.

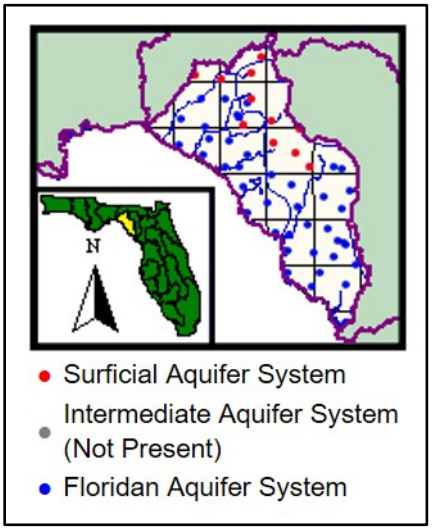

Figure 11. Map of wells in Suwannee River Reporting Unit D.

Table 25. Suwannee River Reporting Unit D - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	5	8	0.97	1.99	2	2.23	4.215
Specific Conductance, Field	uS/cm	5	11	39	41	50	65	118
Temperature	°C	5	11	19.1	22.6	23.15	23.75	25.4
pH, Field	s.u.	5	11	5.05	5.21	5.63	5.73	5.765
Alkalinity, Dissolved (as CaCO3)	mg/L	5	11	<1	1	5.2	19.8	36.65
Calcium, Dissolved	mg/L	5	11	1.755	1.99	2.99	7.26	17.55
Chloride, Dissolved	mg/L	5	11	1.4	2.3	2.3	2.4	4.8
Fluoride, Dissolved	mg/L	5	11	<0.1	<0.1	<0.1	<0.1	<0.1
Magnesium, Dissolved	mg/L	5	11	0.47	0.598	0.69	0.935	1.15
Organic Carbon, Total	mg/L	5	11	1.2	2.2	6.25	9.1	14.5
Potassium, Dissolved	mg/L	5	11	0.24	0.3	0.87	1.58	2.39
Sodium, Dissolved	mg/L	5	11	1.17	1.44	2.32	2.41	3.03
Sulfate, Dissolved	mg/L	5	11	1.4	2.15	2.9	4.4	4.5
Sulfide, Total	mg/L	5	11	<0.05	<0.05	0.053	0.071	0.2475

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Turbidity	ntu	5	11	0.925	5	5.75	50	68
Aluminum, Dissolved	ug/L	5	11	63	81	133	281	401
Aluminum, Total	ug/L	5	11	219.5	661	756	1110	3200
Antimony, Total	ug/L	5	11	<0.4	<0.4	<0.4	<0.4	<0.4
Arsenic, Total	ug/L	5	11	<2	<2	3	3	3.35
Barium, Dissolved	ug/L	5	11	5.65	6.5	6.8	7.4	18.2
Barium, Total	ug/L	5	11	6.755	8.8	11.75	32.4	41.4
Beryllium, Total	ug/L	5	11	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	5	11	<0.04	<0.04	0.04	0.045	0.08
Chromium, Total	ug/L	5	11	<2	<2	<2	3.5	7
Copper, Dissolved	ug/L	5	11	<2	<2	23.925	40.3	82.1
Copper, Total	ug/L	5	11	<10	<10	25.55	59.4	112
Iron, Dissolved	ug/L	5	11	10	71	228	509	1015.75
Iron, Total	ug/L	5	11	62	548.5	687	689	983
Lead, Dissolved	ug/L	5	11	<2	<2	<2	2.2	6.74
Lead, Total	ug/L	5	11	1.12	2.3	9.25	12.6	20.4
Manganese, Dissolved	ug/L	5	11	5	6	7.65	9	10
Manganese, Total	ug/L	5	11	3.55	6	8.45	9	12
Mercury, Total	ug/L	5	11	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	5	11	<6	<6	<6	<6	<6
Selenium, Total	ug/L	5	11	<2	<2	<2	<2	<2
Silver, Total	ug/L	5	11	<0.04	<0.04	<0.04	<0.04	0.06
Strontium, Dissolved	ug/L	5	11	6.5	9	10	20	59.85
Strontium, Total	ug/L	5	11	6	19	51	56.5	106
Thallium, Total	ug/L	5	11	<0.05	<0.05	<0.05	<0.05	0.07
Vanadium, Total	ug/L	5	11	<4	<4	<4	4	4
Zinc, Dissolved	ug/L	5	11	<2	4	10	10	16
Zinc, Total	ug/L	5	11	<10	<10	<10	11	19
Ammonia+Organic Nitrogen, Dissolved	mg/L	5	11	<0.06	0.085	0.15	0.195	0.475
Ammonia, Dissolved (as N)	mg/L	5	11	<0.01	<0.01	0.047	0.0625	0.073
Nitrate+Nitrite, Dissolved (as N)	mg/L	5	11	<0.02	0.048	0.135	0.19	0.89
Orthophosphate, Dissolved (as P)	mg/L	5	11	0.005	0.013	0.021	0.024	0.029
Phosphorus, Dissolved (as P)	mg/L	5	11	0.016	0.026	0.027	0.028	0.039
Silica, Dissolved	mg/L	5	11	3.2	4.95	5.8	6.5	7.25

Table 26. Suwannee River Reporting Unit D - Floridan Aquifer System -Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	18	58	0.13	0.2	0.265	0.515	0.87
Specific Conductance, Field	uS/cm	18	59	273	383	491.75	592	4111
Temperature	°C	18	59	19.25	20.75	21.075	21.6	22.5
pH, Field	s.u.	18	59	6.535	6.82	6.985	7.11	7.44
Alkalinity, Dissolved (as CaCO3)	mg/L	18	59	84.3	180	234.75	270	296
Calcium, Dissolved	mg/L	18	59	35.9	49.8	75.625	102	133.6
Chloride, Dissolved	mg/L	18	59	3.9	5.1	6.15	11.7	954.2
Fluoride, Dissolved	mg/L	18	59	<0.1	<0.1	0.1	0.16	1.085
Magnesium, Dissolved	mg/L	18	59	1.3	7.59	13.475	19.3	70.1
Organic Carbon, Total	mg/L	18	59	1.5	3.1	6.15	11.5	24.6
Potassium, Dissolved	mg/L	18	59	<0.2	<0.2	0.3	0.71	16.995
Sodium, Dissolved	mg/L	18	59	2.645	3.18	3.62	6.09	507.18
Sulfate, Dissolved	mg/L	18	59	<0.2	<0.2	1.65	4.7	101.05
Sulfide, Total	mg/L	17	58	<0.25	<0.25	<0.25	<0.25	1.1125
Turbidity	ntu	18	59	0.75	3.1	7.25	12	30
Aluminum, Dissolved	ug/L	18	59	<180	<180	<180	<180	204.5
Aluminum, Total	ug/L	18	59	<300	<300	<300	<300	540
Antimony, Total	ug/L	18	59	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	18	59	<20	<20	<20	<20	<20
Barium, Dissolved	ug/L	18	59	<0.5	5.1	6.1	11.5	20.9
Barium, Total	ug/L	18	59	1.2	5.2	6.9	12.3	27.5
Beryllium, Total	ug/L	18	59	<3	<3	<3	<3	<3
Cadmium, Total	ug/L	18	59	<0.3	<0.3	<0.3	<0.3	0.54
Chromium, Total	ug/L	18	59	<20	<20	<20	<20	<20
Copper, Dissolved	ug/L	18	53	<50	<50	<50	<50	<50
Copper, Total	ug/L	18	59	<10	<10	<10	<10	12
Iron, Dissolved	ug/L	18	59	27.5	428	1636.5	2940	4250
Iron, Total	ug/L	18	59	160	829	1760	3216.5	4450
Lead, Dissolved	ug/L	17	41	<2	<2	<2	<2	<2
Lead, Total	ug/L	18	59	<3	<3	<3	<3	<3
Manganese, Dissolved	ug/L	18	59	17	27	47.55	64	126
Manganese, Total	ug/L	18	59	18	28	47.2	62	124
Mercury, Total	ug/L	18	59	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	18	59	<40	<40	<40	<40	<40
Selenium, Total	ug/L	18	59	<50	<50	<50	<50	<50

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Silver, Total	ug/L	18	59	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	18	59	24	40	57.375	96	550.5
Strontium, Total	ug/L	18	59	31	40.5	61.5	95	591.5
Thallium, Total	ug/L	18	59	<10	<10	<10	<10	<10
Vanadium, Total	ug/L	18	59	<20	<20	<20	<20	<20
Zinc, Dissolved	ug/L	18	59	<50	<50	<50	<50	<50
Zinc, Total	ug/L	18	59	<50	<50	<50	<50	57.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	18	59	<0.1	0.25	0.365	0.63	1.36
Ammonia, Dissolved (as N)	mg/L	18	59	0.029	0.076	0.155	0.31	0.7183
Nitrate+Nitrite, Dissolved (as N)	mg/L	18	59	<0.04	<0.04	<0.04	<0.04	0.047
Orthophosphate, Dissolved (as P)	mg/L	18	59	0.0095	0.0455	0.0968	0.175	6.5105
Phosphorus, Dissolved (as P)	mg/L	18	59	0.0115	0.049	0.097	0.26	7.5135
Silica, Dissolved	mg/L	18	59	1.55	4.5	7.275	8.7	13

St. Johns River Reporting Unit A

A map of wells in St. Johns River Reporting Unit A is presented as Figure 12. Results are presented in Table 27 - Table 29.

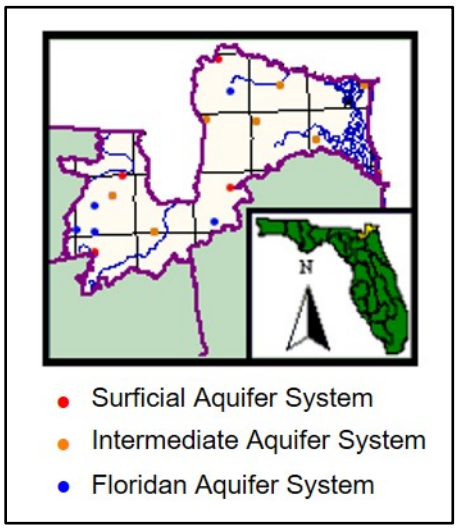

Figure 12. Map of wells in St. Johns River Reporting Unit A.

Table 27. St. Johns River Reporting Unit A - Surficial Aquifer System -Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	1	1	0.1	NSD	NSD	NSD	0.1
Specific Conductance, Field	uS/cm	10	10	32	44	103.5	191	1408
Temperature	°C	10	10	20.4	20.7	21.3	22.2	24.1
pH, Field	s.u.	10	10	4.91	5.31	5.545	7.04	7.29
Alkalinity, Dissolved (as CaCO3)	mg/L	10	10	3	6.8	30.5	75	321
Calcium, Dissolved	mg/L	10	10	0.7	3.67	9.5	26	98
Chloride, Dissolved	mg/L	10	10	2.4	7.6	9.75	10	240
Fluoride, Dissolved	mg/L	10	10	<0.1	<0.1	<0.1	0.2	0.8
Magnesium, Dissolved	mg/L	10	10	0.3	0.76	1.25	2.1	30
Organic Carbon, Total	mg/L	1	1	2.8	NSD	NSD	NSD	2.8
Potassium, Dissolved	mg/L	10	10	0.3	0.6	0.9	3.6	13
Sodium, Dissolved	mg/L	10	10	2.11	4.5	6.25	10	160
Sulfate, Dissolved	mg/L	9	9	<0.2	1.6	2.8	6	52

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfide, Total	mg/L	1	1	0.11	NSD	NSD	NSD	0.11
Turbidity	ntu	8	8	2.1	3.8	9.5	16.5	240
Aluminum, Dissolved	ug/L	10	10	<20	<20	45	82	160
Aluminum, Total	ug/L	10	10	30	310	385	970	8500
Antimony, Total	ug/L	1	1	0.5	NSD	NSD	NSD	0.5
Arsenic, Total	ug/L	10	10	<2	<2	<2	<2	2.4
Barium, Dissolved	ug/L	10	10	<2	6	27.5	34	130
Barium, Total	ug/L	10	10	2	9.8	26.5	44	140
Beryllium, Total	ug/L	1	1	0.25	NSD	NSD	NSD	0.25
Cadmium, Total	ug/L	10	10	<1	<1	<1	<1	1.1
Chromium, Total	ug/L	10	10	<5	<5	<5	<5	<5
Copper, Dissolved	ug/L	10	10	<10	<10	<10	<10	<10
Copper, Total	ug/L	10	10	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	10	10	25	140	675	1200	2400
Iron, Total	ug/L	10	10	160	500	1650	1900	7400
Lead, Dissolved	ug/L	10	10	<1	<1	<1	<1	4
Lead, Total	ug/L	10	10	<1	1.26	1.8	2.4	150
Manganese, Dissolved	ug/L	10	10	1	8.4	13	23	60
Manganese, Total	ug/L	10	10	1	8.5	19.5	44	110
Mercury, Total	ug/L	10	10	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	10	10	<10	<10	<10	<10	<10
Selenium, Total	ug/L	1	1	0.5	NSD	NSD	NSD	0.5
Silver, Total	ug/L	10	10	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	10	10	9	10	35	170	520
Strontium, Total	ug/L	10	10	9	10	30	170	500
Thallium, Total	ug/L	1	1	0.025	NSD	NSD	NSD	0.025
Vanadium, Total	ug/L	1	1	1	NSD	NSD	NSD	1
Zinc, Dissolved	ug/L	10	10	<4	5	10	22	64
Zinc, Total	ug/L	10	10	<2	10	30.5	45	51
Ammonia+Organic Nitrogen, Dissolved	mg/L	10	10	<0.2	<0.2	0.2	0.39	4.6
Ammonia, Dissolved (as N)	mg/L	10	10	<0.01	0.01	0.068	0.13	4.1
Nitrate+Nitrite, Dissolved (as N)	mg/L	10	10	0.005	0.02	0.03	0.07	0.11
Orthophosphate, Dissolved (as P)	mg/L	1	1	0.016	NSD	NSD	NSD	0.016
Phosphorus, Dissolved (as P)	mg/L	10	10	<0.02	<0.02	0.045	0.1	1.8
Silica, Dissolved	mg/L	9	9	4.5	8	10	19	42

Table 28 St. Johns River Reporting Unit A - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	0	0	NSD	NSD	NSD	NSD	NSD
Specific Conductance, Field	uS/cm	7	7	199	312	499	572	1956
Temperature	°C	7	7	20.7	21.2	21.3	21.4	22.1
pH, Field	s.u.	7	7	7.2	7.42	7.51	7.885	9.56
Alkalinity, Dissolved (as CaCO3)	mg/L	7	7	90	124.5	143	260	448
Calcium, Dissolved	mg/L	7	7	28	30.5	44	56	59
Chloride, Dissolved	mg/L	7	7	5.9	8.85	13	18.5	380
Fluoride, Dissolved	mg/L	7	7	0.1	0.2	0.4	0.55	0.6
Magnesium, Dissolved	mg/L	7	7	5.3	9.9	20	27.5	40
Organic Carbon, Total	mg/L	0	0	NSD	NSD	NSD	NSD	NSD
Potassium, Dissolved	mg/L	7	7	1.1	1.5	1.7	3.25	29
Sodium, Dissolved	mg/L	7	7	5.2	8.45	13	19.5	320
Sulfate, Dissolved	mg/L	6	6	<0.2	1.8	2.5	28	120
Sulfide, Total	mg/L	0	0	NSD	NSD	NSD	NSD	NSD
Turbidity	ntu	6	6	0.5	0.8	1.95	9.7	26
Aluminum, Dissolved	ug/L	7	7	<20	<20	<20	<20	<20
Aluminum, Total	ug/L	7	7	<20	25	40	250	790
Antimony, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Arsenic, Total	ug/L	7	7	<1	<1	<1	<1	<1
Barium, Dissolved	ug/L	7	7	6.7	11.5	28	43.5	710
Barium, Total	ug/L	7	7	7	14.5	29	42.5	710
Beryllium, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Cadmium, Total	ug/L	7	7	<1	<1	<1	<1	<1
Chromium, Total	ug/L	7	7	<5	<5	<5	<5	<5
Copper, Dissolved	ug/L	7	7	<10	<10	<10	<10	<10
Copper, Total	ug/L	7	7	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	7	7	<3	6	10	135.5	830
Iron, Total	ug/L	7	7	32	55	85	205	1600
Lead, Dissolved	ug/L	7	7	<1	<1	<1	<1	2
Lead, Total	ug/L	7	7	<1	1.3	2.8	7.3	24
Manganese, Dissolved	ug/L	7	7	1	2.6	14	26	120
Manganese, Total	ug/L	7	7	1.6	10	13	25.5	160
Mercury, Total	ug/L	7	7	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	7	7	<10	<10	<10	<10	<10
Selenium, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Silver, Total	ug/L	7	7	<1	<1	<1	<1	<1

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Strontium, Dissolved	ug/L	7	7	60	95	140	370	700
Strontium, Total	ug/L	7	7	60	100	170	380	670
Thallium, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Vanadium, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Zinc, Dissolved	ug/L	7	7	<4	5.5	9	25.5	65
Zinc, Total	ug/L	7	7	6	10.5	22	38.5	120
Ammonia+Organic Nitrogen, Dissolved	mg/L	7	7	<0.2	0.34	0.43	0.505	3.5
Ammonia, Dissolved (as N)	mg/L	7	7	0.01	0.11	0.21	0.27	2.8
Nitrate+Nitrite, Dissolved (as N)	mg/L	7	7	<0.02	<0.02	0.02	0.07	0.2
Orthophosphate, Dissolved (as P)	mg/L	0	0	NSD	NSD	NSD	NSD	NSD
Phosphorus, Dissolved (as P)	mg/L	7	7	<0.02	0.02	0.06	0.21	0.42
Silica, Dissolved	mg/L	6	6	14	16	24.5	30	59

Table 29. St. Johns River Reporting Unit A - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	2	4	0.03	NSD	NSD	NSD	0.04
Specific Conductance, Field	uS/cm	7	12	324	351.5	398	609.5	638
Temperature	°C	7	12	22.4	22.7	23.3	23.9	24.5
pH, Field	s.u.	7	12	7.47	7.525	7.6	7.6075	7.62
Alkalinity, Dissolved (as CaCO3)	mg/L	7	12	124	153.25	158	166.5	176
Calcium, Dissolved	mg/L	7	12	34	38.35	42.9	57	66
Chloride, Dissolved	mg/L	7	12	6.5	9.25	11	23.5	28
Fluoride, Dissolved	mg/L	7	12	0.4	0.46	0.53	0.575	0.8
Magnesium, Dissolved	mg/L	7	12	14	16.5	18.7	31.5	32.5
Organic Carbon, Total	mg/L	2	4	2.4	NSD	NSD	NSD	3.5
Potassium, Dissolved	mg/L	7	12	1.09	1.32	1.5	1.85	2.2
Sodium, Dissolved	mg/L	7	12	8.2	9.215	11	16.5	18.5
Sulfate, Dissolved	mg/L	7	12	1.9	13.5	25	110	130
Sulfide, Total	mg/L	2	4	0.79	NSD	NSD	NSD	1.7

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Turbidity	ntu	7	12	<0.05	0.2	0.3	1.65	1.9
Aluminum, Dissolved	ug/L	7	12	<20	<20	<20	<20	<20
Aluminum, Total	ug/L	7	12	<20	<20	20	31.5	90
Antimony, Total	ug/L	2	4	<1	NSD	NSD	NSD	<1
Arsenic, Total	ug/L	7	12	<2	<2	<2	<2	<2
Barium, Dissolved	ug/L	7	12	14	15.5	19.4	32	41
Barium, Total	ug/L	7	12	14	17.5	20.5	31	41
Beryllium, Total	ug/L	2	4	<0.5	NSD	NSD	NSD	<0.5
Cadmium, Total	ug/L	7	12	<1	<1	<1	<1	<1
Chromium, Total	ug/L	7	12	<5	<5	<5	<5	<5
Copper, Dissolved	ug/L	7	12	<10	<10	<10	<10	<10
Copper, Total	ug/L	7	12	<10	<10	<10	<10	10
Iron, Dissolved	ug/L	7	12	<3	7	13	21.5	38
Iron, Total	ug/L	7	12	4	17	38	232	9700
Lead, Dissolved	ug/L	7	12	<1	<1	<1	<1	1
Lead, Total	ug/L	7	12	<1	<1	<1	1.325	20
Manganese, Dissolved	ug/L	7	12	<1	<1	1.8	7	9
Manganese, Total	ug/L	7	12	<1	<1	6	11.5	15
Mercury, Total	ug/L	7	12	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	7	12	<10	<10	<10	<10	<10
Selenium, Total	ug/L	2	4	<1	NSD	NSD	NSD	<1
Silver, Total	ug/L	7	12	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	7	12	80	393.5	460	625	1000
Strontium, Total	ug/L	7	12	110	352.5	440	602.5	1100
Thallium, Total	ug/L	2	4	<0.05	NSD	NSD	NSD	<0.05
Vanadium, Total	ug/L	2	4	<2	NSD	NSD	NSD	<2
Zinc, Dissolved	ug/L	7	12	<4	<4	<4	5	11
Zinc, Total	ug/L	7	12	<4	<4	4	44	61
Ammonia+Organic Nitrogen, Dissolved	mg/L	7	12	<0.2	0.2	0.31	0.355	0.385
Ammonia, Dissolved (as N)	mg/L	7	12	0.1	0.135	0.19	0.24	0.26
Nitrate+Nitrite, Dissolved (as N)	mg/L	7	12	<0.02	<0.02	<0.02	0.025	0.085
Orthophosphate, Dissolved (as P)	mg/L	2	4	0.031	NSD	NSD	NSD	0.039
Phosphorus, Dissolved (as P)	mg/L	7	12	<0.02	<0.02	<0.02	0.025	0.032
Silica, Dissolved	mg/L	7	12	19	25	30	31.5	32.5

St. Johns River Reporting Unit B

A map of wells in St. Johns River Reporting Unit B is presented as Figure 13. Results are presented in Table 30 - Table 32.

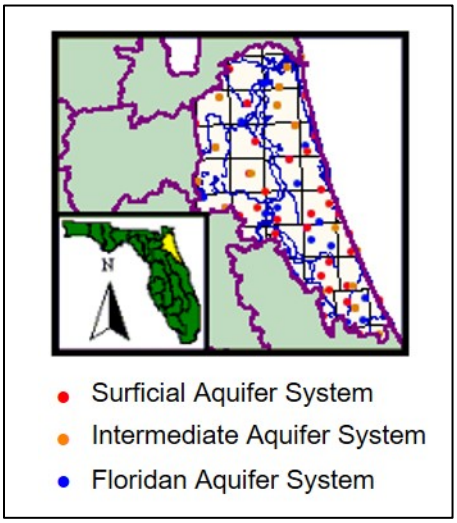

Figure 13. Map of wells in St. Johns River Reporting Unit B.

Table 30. St. Johns River Reporting Unit B - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	10	13	0.12	0.14	0.215	1.04	6.1
Specific Conductance, Field	uS/cm	26	37	26	81	197.75	520	1889.5
Temperature	°C	26	37	19.8	22.2	22.3	22.7	24.8
pH, Field	s.u.	26	37	4.545	5.38	5.985	6.93	8.1
Alkalinity, Dissolved (as CaCO3)	mg/L	26	37	4.3	15	59.7	250	367
Calcium, Dissolved	mg/L	26	37	0.6	4.5	21.05	79	115
Chloride, Dissolved	mg/L	26	37	3	8.6	13.875	33	415
Fluoride, Dissolved	mg/L	26	37	<0.1	<0.1	<0.1	0.1	0.6
Magnesium, Dissolved	mg/L	26	37	0.42	1	2	3.4	31.55
Organic Carbon, Total	mg/L	9	13	<1	1.2	11	12	27.5
Potassium, Dissolved	mg/L	26	37	0.2	0.65	0.92	1.97	12.6
Sodium, Dissolved	mg/L	26	37	2.2	5.9	14	23	260

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfate, Dissolved	mg/L	26	37	<0.2	2.6	5.95	8.55	60.05
Sulfide, Total	mg/L	9	13	<0.05	<0.05	<0.05	0.086	0.8125
Turbidity	ntu	24	35	<0.6	7.775	17.5	229.8	900
Aluminum, Dissolved	ug/L	24	35	<20	<20	40	107.5	908.5
Aluminum, Total	ug/L	24	35	40	107.5	1122.5	3215	26000
Antimony, Total	ug/L	9	13	<3	<3	<3	<3	<3
Arsenic, Total	ug/L	24	35	<2	<2	<2	2.825	7.4
Barium, Dissolved	ug/L	24	35	<2	7.675	14	20.75	47.8
Barium, Total	ug/L	24	35	<2	12.5	18.25	39	83
Beryllium, Total	ug/L	9	13	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	24	35	<1	<1	<1	<1	21
Chromium, Total	ug/L	24	35	<5	<5	<5	<5	18
Copper, Dissolved	ug/L	24	35	<10	<10	<10	<10	10
Copper, Total	ug/L	24	35	<10	<10	<10	<10	116
Iron, Dissolved	ug/L	26	37	5	210	501.75	1400	8550
Iron, Total	ug/L	24	35	200	730	1550	3800	12000
Lead, Dissolved	ug/L	24	35	<1	<1	<1	<1	63.2
Lead, Total	ug/L	24	35	<1	4.54	9.75	41	181.325
Manganese, Dissolved	ug/L	24	35	1	5.5	14	20.2	102.5
Manganese, Total	ug/L	24	35	<1	7.3	17	28	203
Mercury, Total	ug/L	24	35	<0.1	<0.1	<0.1	<0.1	0.2
Nickel, Total	ug/L	24	35	<10	<10	<10	<10	22.5
Selenium, Total	ug/L	9	13	<2	<2	<2	<2	4
Silver, Total	ug/L	24	35	<1	<1	<1	<1	1
Strontium, Dissolved	ug/L	24	35	5	63	170	457.5	975
Strontium, Total	ug/L	24	35	9	72.5	196.5	475	1010
Thallium, Total	ug/L	9	13	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	9	13	<4	<4	<4	<4	6
Zinc, Dissolved	ug/L	24	35	<4	<4	6.5	17	410
Zinc, Total	ug/L	24	35	<4	8	26.5	69	14000
Ammonia+Organic Nitrogen, Dissolved	mg/L	26	37	<0.2	0.2	0.415	0.94	1.515
Ammonia, Dissolved (as N)	mg/L	26	37	<0.01	0.04	0.13	0.36	0.86
Nitrate+Nitrite, Dissolved (as N)	mg/L	26	37	<0.02	<0.02	0.02	0.075	1
Orthophosphate, Dissolved (as P)	mg/L	9	13	0.0215	0.084	0.14	0.17	0.2405
Phosphorus, Dissolved (as P)	mg/L	24	35	<0.02	0.033	0.09	0.13	0.2455
Silica, Dissolved	mg/L	24	35	5.8	7.475	9.375	17	35

Table 31. St. Johns River Reporting Unit B - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	6	6	0.07	0.09	0.12	0.19	3.5
Specific Conductance, Field	uS/cm	16	18	99	331.5	514.5	645	14000
Temperature	°C	16	18	21.9	22.125	22.35	23.05	23.6
pH, Field	s.u.	16	18	6.22	6.94	7.215	7.75	10.83
Alkalinity, Dissolved (as CaCO3)	mg/L	16	18	32	136.5	211	276	303
Calcium, Dissolved	mg/L	16	18	8.1	49	77.25	110	180
Chloride, Dissolved	mg/L	16	18	7.1	9.6	14.5	25.5	4800
Fluoride, Dissolved	mg/L	16	18	<0.1	0.1	0.25	0.35	0.85
Magnesium, Dissolved	mg/L	16	18	0.6	1.56	3.25	13.75	240
Organic Carbon, Total	mg/L	6	6	<1	3.7	5.4	11	16
Potassium, Dissolved	mg/L	16	18	0.4	0.925	1.25	2.125	24
Sodium, Dissolved	mg/L	16	18	3.8	6.61	9.85	32.85	2500
Sulfate, Dissolved	mg/L	16	18	<0.2	0.2	0.45	2.525	390
Sulfide, Total	mg/L	6	6	<0.05	<0.05	<0.05	<0.05	0.055
Turbidity	ntu	14	16	<0.9	1.9	16.525	35	530
Aluminum, Dissolved	ug/L	14	16	<20	<20	<20	30	45
Aluminum, Total	ug/L	14	16	<20	50	235	520	3160
Antimony, Total	ug/L	6	6	<3	<3	<3	<3	<3
Arsenic, Total	ug/L	14	16	<2	<2	<2	<2	445.25
Barium, Dissolved	ug/L	14	16	<2	14	24	47	67
Barium, Total	ug/L	14	16	3.5	14.5	36.35	54.2	81
Beryllium, Total	ug/L	6	6	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	14	16	<1	<1	<1	1.27	24.65
Chromium, Total	ug/L	14	16	<5	<5	<5	<5	5.25
Copper, Dissolved	ug/L	14	16	<10	<10	<10	<10	<10
Copper, Total	ug/L	14	16	<10	<10	<10	<10	30
Iron, Dissolved	ug/L	16	18	<3	6.5	65	435.5	860
Iron, Total	ug/L	14	16	23	98	350	3900	101000
Lead, Dissolved	ug/L	13	15	<1	<1	<1	<1	11
Lead, Total	ug/L	14	16	<2	2	11	32	1100
Manganese, Dissolved	ug/L	14	16	<1	3.1	21	36	60
Manganese, Total	ug/L	14	16	3.1	8.2	24.5	55	1782
Mercury, Total	ug/L	14	16	<0.1	<0.1	<0.1	<0.1	0.275
Nickel, Total	ug/L	14	16	<10	<10	<10	<10	<10
Selenium, Total	ug/L	6	6	<2	<2	<2	<2	<2

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Silver, Total	ug/L	14	16	<1	<1	<1	<1	3.1
Strontium, Dissolved	ug/L	14	16	10	210	353	670	2700
Strontium, Total	ug/L	14	16	10	250	425	600	2600
Thallium, Total	ug/L	6	6	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	6	6	<4	<4	<4	<4	5
Zinc, Dissolved	ug/L	14	16	<4	<4	6.25	22	14000
Zinc, Total	ug/L	14	16	4	13	16.75	34	14000
Ammonia+Organic Nitrogen, Dissolved	mg/L	15	17	<0.2	0.33	0.46	0.5375	2.9
Ammonia, Dissolved (as N)	mg/L	15	17	<0.01	0.1525	0.235	0.34	3
Nitrate+Nitrite, Dissolved (as N)	mg/L	16	18	<0.02	<0.02	0.0225	0.05	1
Orthophosphate, Dissolved (as P)	mg/L	6	6	<0.004	0.1	0.145	0.18	0.5
Phosphorus, Dissolved (as P)	mg/L	14	16	<0.02	0.099	0.1175	0.16	0.92
Silica, Dissolved	mg/L	14	16	6.8	14	16.5	20	55

Table 32. St. Johns River Reporting Unit B - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	12	24	0.02	0.06	0.09	0.1875	0.37
Specific Conductance, Field	uS/cm	25	44	180	263	729	2000	23700
Temperature	°C	25	44	21.7	22.45	23	23.9	26.2
pH, Field	s.u.	25	44	6.96	7.285	7.565	7.88	8.11
Alkalinity, Dissolved (as CaCO3)	mg/L	25	44	79	113.5	130	155.5	330.5
Calcium, Dissolved	mg/L	25	44	21	32.5	71	107	431
Chloride, Dissolved	mg/L	25	44	5.1	7.4	35	200	10000
Fluoride, Dissolved	mg/L	25	44	<0.1	0.19	0.3	0.75	0.95
Magnesium, Dissolved	mg/L	25	44	3	8.7	14	44	454
Organic Carbon, Total	mg/L	10	22	<1	2.7	4.525	7.3	11.5
Potassium, Dissolved	mg/L	25	44	0.5	1.3	2.3	5.85	144
Sodium, Dissolved	mg/L	25	44	3.5	5.7	24.6	83	4400
Sulfate, Dissolved	mg/L	25	44	<0.2	3.65	36	200	1200
Sulfide, Total	mg/L	10	22	<0.05	0.21	0.5255	1.4	11.45
Turbidity	ntu	24	43	<0.9	<0.9	1.1625	4.475	29.7

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	24	43	<200	<200	<200	<200	<200
Aluminum, Total	ug/L	24	43	<70	<70	<70	<70	170
Antimony, Total	ug/L	10	22	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	24	43	<2	<2	<2	<2	20
Barium, Dissolved	ug/L	24	43	5.3	10.275	19.5	27.35	153
Barium, Total	ug/L	24	43	5.7	11.175	17	26.25	166
Beryllium, Total	ug/L	10	22	<3	<3	<3	<3	<3
Cadmium, Total	ug/L	24	43	<1	<1	<1	<1	<1
Chromium, Total	ug/L	24	43	<100	<100	<100	<100	<100
Copper, Dissolved	ug/L	24	43	<10	<10	<10	<10	<10
Copper, Total	ug/L	24	43	<10	<10	<10	11.25	192.5
Iron, Dissolved	ug/L	25	44	<3	7	15	52	1270
Iron, Total	ug/L	24	43	10	46.75	197.75	1195.75	4600
Lead, Dissolved	ug/L	24	40	<1	<1	<1	<1	1.75
Lead, Total	ug/L	24	43	<5	<5	5.6	10.05	33
Manganese, Dissolved	ug/L	24	43	<10	<10	<10	14.475	50
Manganese, Total	ug/L	24	43	<100	<100	<100	<100	<100
Mercury, Total	ug/L	24	43	<0.1	<0.1	<0.1	<0.1	0.775
Nickel, Total	ug/L	24	43	<10	<10	<10	<10	<10
Selenium, Total	ug/L	10	22	<2	<2	<2	5	64.5
Silver, Total	ug/L	24	43	<1	<1	<1	<1	1.1
Strontium, Dissolved	ug/L	24	43	30	278.5	2050	3575	9450
Strontium, Total	ug/L	24	43	30	286	1895	3450	10500
Thallium, Total	ug/L	10	22	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	10	22	<4	<4	<4	<4	<4
Zinc, Dissolved	ug/L	24	43	<4	<4	<4	7.25	29
Zinc, Total	ug/L	24	43	<200	<200	<200	<200	460
Ammonia+Organic Nitrogen, Dissolved	mg/L	25	44	<0.2	0.345	0.415	0.62	1.4
Ammonia, Dissolved (as N)	mg/L	25	44	0.02	0.175	0.26	0.42	0.905
Nitrate+Nitrite, Dissolved (as N)	mg/L	25	44	<0.02	<0.02	0.02	0.04	0.21
Orthophosphate, Dissolved (as P)	mg/L	10	22	<0.008	0.027	0.103	0.1435	0.325
Phosphorus, Dissolved (as P)	mg/L	24	43	<0.02	0.02	0.04	0.09	0.31
Silica, Dissolved	mg/L	24	43	8.05	11.5	16	19.75	25

St. Johns River Reporting Unit C

A map of wells in St. Johns River Reporting Unit C is presented as Figure 14. Results are presented in Table 33 - Table 35.

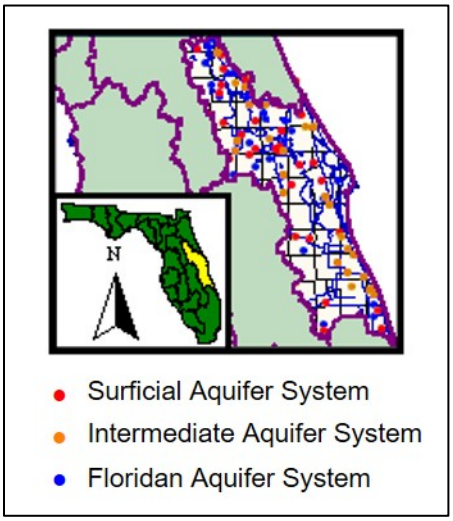

Figure 14. Map of wells in St. Johns River Reporting Unit C.

Table 33. St. Johns River Reporting Unit C - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	22	28	0.08	0.14	0.3	0.49	4.32
Specific Conductance, Field	uS/cm	30	43	65	149.5	256	455	5523
Temperature	°C	30	43	10.6	22.6	23.375	24.1	27.15
pH, Field	s.u.	30	43	4.13	5.505	5.97	6.395	7.31
Alkalinity, Dissolved (as CaCO3)	mg/L	29	40	<1	22.3	64	144.2	220
Calcium, Dissolved	mg/L	30	43	0.9	9.2	31.45	62	247
Chloride, Dissolved	mg/L	29	40	5.3	10.65	19	33	1600
Fluoride, Dissolved	mg/L	29	40	<0.1	<0.1	<0.1	0.1	0.27
Magnesium, Dissolved	mg/L	30	43	0.71	1.36	2.32	7.58	109
Organic Carbon, Total	mg/L	30	43	<1	3.7	9.4	13	46
Potassium, Dissolved	mg/L	30	43	0.3	0.59	0.985	1.98	46
Sodium, Dissolved	mg/L	30	43	2.31	6.835	15	21	910
Sulfate, Dissolved	mg/L	29	40	<0.2	2	12	24	510
Sulfide, Total	mg/L	28	38	<0.2	<0.2	0.215	0.595	8
Turbidity	ntu	28	39	0.55	10.5	38.75	107.5	850

Aluminum, Dissolved	ug/L	30	42	<30	38.75	69	204.5	654
Aluminum, Total	ug/L	30	43	<70	430	919	2425	68800
Antimony, Total	ug/L	30	43	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	30	43	<4	<4	<4	<4	9.8
Barium, Dissolved	ug/L	30	43	3.2	9.95	16.75	33	123
Barium, Total	ug/L	30	43	4.2	13	23.95	56.4	190
Beryllium, Total	ug/L	30	43	<1	<1	<1	<1	1
Cadmium, Total	ug/L	30	43	<1	<1	<1	<1	11.3
Chromium, Total	ug/L	30	43	<5	<5	<5	5.8	78.1
Copper, Dissolved	ug/L	30	43	<10	<10	<10	<10	<10
Copper, Total	ug/L	30	43	<20	<20	<20	<20	60
Iron, Dissolved	ug/L	30	43	1.5	244	919.5	4350	35000
Iron, Total	ug/L	30	43	38	722	1657.5	10400	155000
Lead, Dissolved	ug/L	30	42	<2	<2	<2	<2	2.15
Lead, Total	ug/L	30	43	<1	1.18	6.2325	35.7	591
Manganese, Dissolved	ug/L	30	43	<1	11	17.75	79	869
Manganese, Total	ug/L	30	43	2	11	22.5	83	2110
Mercury, Total	ug/L	30	43	<0.1	<0.1	<0.1	<0.1	1.6
Nickel, Total	ug/L	30	43	<10	<10	<10	<10	45
Selenium, Total	ug/L	30	43	<1	<1	<1	<1	16
Silver, Total	ug/L	30	43	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	30	43	18	40	82	310	16400
Strontium, Total	ug/L	30	43	18	57	184.5	347	7610
Thallium, Total	ug/L	30	43	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	30	43	<8	<8	<8	<8	31
Zinc, Dissolved	ug/L	30	43	<4	5	17	48	1666.5
Zinc, Total	ug/L	30	43	<20	<20	<20	33.5	5100
Ammonia+Organic Nitrogen, Dissolved	mg/L	28	39	<0.06	0.2875	0.465	0.91	1.9
Ammonia, Dissolved (as N)	mg/L	29	42	<0.01	0.0925	0.21	0.405	1.3
Nitrate+Nitrite, Dissolved (as N)	mg/L	29	42	<0.02	<0.02	0.026	0.047	1.3755
Orthophosphate, Dissolved (as P)	mg/L	28	41	<0.02	0.0243	0.0435	0.0775	0.243
Phosphorus, Dissolved (as P)	mg/L	30	42	<0.004	0.03	0.0505	0.08	0.335
Silica, Dissolved	mg/L	28	39	0.4	4.65	8.7	11.975	50

Table 34. St. Johns River Reporting Unit C - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	18	22	<0.03	0.06	0.14	0.19	4.6

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Specific Conductance, Field	uS/cm	19	26	271	507.5	613	1329	6110
Temperature	°C	19	26	11.9	22.65	23.2	23.95	25.2
pH, Field	s.u.	19	26	6.06	6.9575	7.13	7.42	8.4
Alkalinity, Dissolved (as CaCO3)	mg/L	18	21	115.5	140	196	265	302
Calcium, Dissolved	mg/L	19	26	33	61.775	100	133	194.5
Chloride, Dissolved	mg/L	18	21	6.9	11	26.15	340	1800
Fluoride, Dissolved	mg/L	18	21	<0.1	0.1	0.1575	0.2	0.67
Magnesium, Dissolved	mg/L	19	26	1.41	5.13	7.375	17.5	94.3
Organic Carbon, Total	mg/L	18	25	1.2	3.5	4.95	9.7	12
Potassium, Dissolved	mg/L	19	26	0.72	1.14	2.4	6.26	38.6
Sodium, Dissolved	mg/L	19	26	4.4	10.3325	31	70.8	1100
Sulfate, Dissolved	mg/L	18	21	<0.2	0.49	2.3	29	270
Sulfide, Total	mg/L	16	19	<0.05	<0.05	<0.05	0.1463	3
Turbidity	ntu	17	20	1	4.7	5.9	26	330
Aluminum, Dissolved	ug/L	19	25	<40	<40	<40	<40	1500
Aluminum, Total	ug/L	19	26	<150	<150	<150	560.5	7400
Antimony, Total	ug/L	18	25	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	19	26	<20	<20	<20	<20	<20
Barium, Dissolved	ug/L	19	26	3.3	10.35	18.6	31.4	79
Barium, Total	ug/L	19	26	3.3	10.65	22.9	34.3	170
Beryllium, Total	ug/L	18	25	<2	<2	<2	<2	<2
Cadmium, Total	ug/L	19	26	<1	<1	<1	<1	<1
Chromium, Total	ug/L	19	26	<20	<20	<20	<20	<20
Copper, Dissolved	ug/L	19	26	<10	<10	<10	<10	<10
Copper, Total	ug/L	19	26	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	19	26	3	40.5	220	506.5	1800
Iron, Total	ug/L	19	26	55	456.5	940	1940	19600
Lead, Dissolved	ug/L	18	24	<2	<2	<2	<2	5
Lead, Total	ug/L	19	26	<1	<1	2.01	7.855	121
Manganese, Dissolved	ug/L	19	26	<1	8.5	15	29	180
Manganese, Total	ug/L	19	26	6.25	13.25	25	31	220
Mercury, Total	ug/L	19	26	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	19	26	<40	<40	<40	<40	<40
Selenium, Total	ug/L	19	26	<10	<10	<10	<10	<10
Silver, Total	ug/L	19	26	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	19	26	141	326	754	1710	13900
Strontium, Total	ug/L	19	26	157	423.5	742	1535	13500
Thallium, Total	ug/L	18	25	<0.2	<0.2	<0.2	<0.2	<0.2
Vanadium, Total	ug/L	18	25	<10	<10	<10	<10	30
Zinc, Dissolved	ug/L	19	26	<4	<4	10	14	275
Zinc, Total	ug/L	19	26	<40	<40	<40	<40	6360

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Ammonia+Organic Nitrogen, Dissolved	mg/L	17	20	<0.06	0.36	0.67	0.835	2.2
Ammonia, Dissolved (as N)	mg/L	19	26	<0.01	0.225	0.5	0.7	1.8
Nitrate+Nitrite, Dissolved (as N)	mg/L	19	26	<0.02	<0.02	<0.02	0.045	1.1
Orthophosphate, Dissolved (as P)	mg/L	18	22	0.007	0.045	0.13	0.27	1.3
Phosphorus, Dissolved (as P)	mg/L	18	24	<0.02	0.0555	0.155	0.3	9.7
Silica, Dissolved	mg/L	17	20	9.7	14	16.6	30	71

Table 35. St. Johns River Reporting Unit C - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	29	55	0.04	0.08	0.115	0.25	2.02
Specific Conductance, Field	uS/cm	29	58	163	325	613	865	5725
Temperature	°C	29	58	21.6	22.8	23.55	24.3	26.2
pH, Field	s.u.	29	58	6.43	7.15	7.35	7.71	8.21
Alkalinity, Dissolved (as CaCO3)	mg/L	26	55	71.6	112.5	136	168	334
Calcium, Dissolved	mg/L	29	58	21.2	39.3	52.6	69.5	209
Chloride, Dissolved	mg/L	26	55	5.15	9.8	23	121	1700
Fluoride, Dissolved	mg/L	26	55	<0.1	<0.1	0.1675	0.285	0.83
Magnesium, Dissolved	mg/L	29	58	2.4	7.75	10.515	17.115	117
Organic Carbon, Total	mg/L	29	58	<1	1.4	2.6	3.75	11
Potassium, Dissolved	mg/L	29	58	0.5	1	1.5	3.06	26
Sodium, Dissolved	mg/L	29	58	4.06	7.5	26	69.795	810
Sulfate, Dissolved	mg/L	26	55	<0.2	1.56	7.1	70	510
Sulfide, Total	mg/L	26	55	<0.05	<0.05	0.1638	1.1625	8.2
Turbidity	ntu	26	55	<0.3	0.475	1.7	9.9	29
Aluminum, Dissolved	ug/L	29	55	<40	<40	<40	<40	<40
Aluminum, Total	ug/L	29	58	<300	<300	<300	<300	388
Antimony, Total	ug/L	29	58	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	29	58	<20	<20	<20	<20	<20
Barium, Dissolved	ug/L	29	58	2.7	7.85	12.3	26.8	140
Barium, Total	ug/L	29	58	2.4	7.4	16.8	30.1	151
Beryllium, Total	ug/L	29	58	<3	<3	<3	<3	<3

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Cadmium, Total	ug/L	29	58	<1	<1	<1	<1	<1
Chromium, Total	ug/L	29	58	<20	<20	<20	<20	<20
Copper, Dissolved	ug/L	29	58	<10	<10	<10	<10	<10
Copper, Total	ug/L	29	58	<20	<20	<20	<20	82.8
Iron, Dissolved	ug/L	29	58	<6	8	29	130	2201.5
Iron, Total	ug/L	29	58	<20	46	323	1310	9700
Lead, Dissolved	ug/L	29	53	<2	<2	<2	<2	<2
Lead, Total	ug/L	29	58	<2	<2	<2	2.68	102.23
Manganese, Dissolved	ug/L	29	58	<2	2.5	6	11	37.5
Manganese, Total	ug/L	29	58	<10	<10	<10	14	170
Mercury, Total	ug/L	29	58	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	29	58	<40	<40	<40	<40	<40
Selenium, Total	ug/L	29	58	<10	<10	<10	<10	16
Silver, Total	ug/L	29	58	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	29	58	31	181	670	1200	8985
Strontium, Total	ug/L	29	58	28	250	601	1220	9760
Thallium, Total	ug/L	29	58	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	29	58	<20	<20	<20	<20	<20
Zinc, Dissolved	ug/L	29	58	<4	<4	7	24	50
Zinc, Total	ug/L	29	58	<40	<40	<40	<40	1240
Ammonia+Organic Nitrogen, Dissolved	mg/L	26	55	<0.1	0.16	0.3725	0.63	1.2
Ammonia, Dissolved (as N)	mg/L	28	57	<0.01	0.0902	0.295	0.4745	0.96
Nitrate+Nitrite, Dissolved (as N)	mg/L	28	57	<0.02	<0.02	<0.02	0.02	0.32
Orthophosphate, Dissolved (as P)	mg/L	28	57	<0.02	<0.02	0.04	0.1093	0.19
Phosphorus, Dissolved (as P)	mg/L	28	57	<0.02	<0.02	0.0523	0.1128	0.22
Silica, Dissolved	mg/L	26	55	5.2	10	12.5	16	36

St. Johns River Reporting Unit D

A map of wells in St. Johns River Reporting Unit D is presented as Figure 15. Results are presented in Table 36 - Table 38.

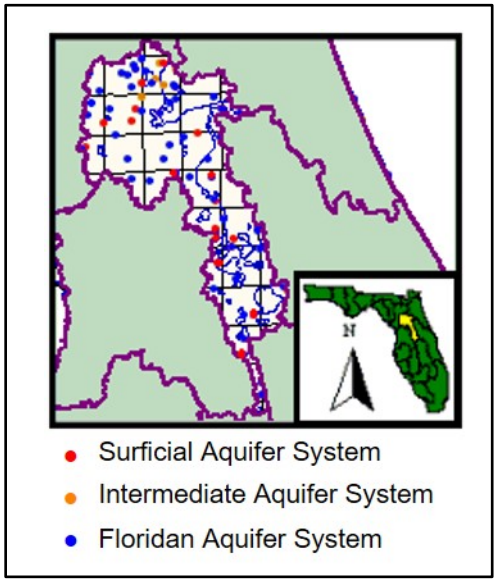

Figure 15. Map of wells in St. Johns River Reporting Unit D.

Table 36. St. Johns River Reporting Unit D - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	12	14	0.17	0.47	3.2775	7.165	8.07
Specific Conductance, Field	uS/cm	17	22	34.5	82	106	284	504
Temperature	°C	17	22	21.45	23.3	24	24.3	25.8
pH, Field	s.u.	17	22	4.25	5.27	5.84	6.22	7.25
Alkalinity, Dissolved (as CaCO3)	mg/L	17	22	<1	4	10.5	75.2	222
Calcium, Dissolved	mg/L	17	22	0.705	3.005	5.56	21.05	85
Chloride, Dissolved	mg/L	17	22	2.9	4.75	8.1	15.05	21
Fluoride, Dissolved	mg/L	17	22	<0.1	<0.1	<0.1	0.16	0.3
Magnesium, Dissolved	mg/L	17	22	0.31	0.925	1.88	6.77	16.8
Organic Carbon, Total	mg/L	16	19	<1	<1	1.75	4.225	71
Potassium, Dissolved	mg/L	17	22	0.2	0.8	0.9	3.17	52.3
Sodium, Dissolved	mg/L	17	22	1.3	2.88	5.43	7.93	27.1
Sulfate, Dissolved	mg/L	17	22	1.1	2.5	5.5	15	50

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfide, Total	mg/L	16	19	<0.5	<0.5	<0.5	<0.5	<0.5
Turbidity	ntu	16	21	0.3	3.6	39.975	82.5	2800
Aluminum, Dissolved	ug/L	17	22	<30	<30	40	167	2270
Aluminum, Total	ug/L	17	22	<30	166	500	3485	34000
Antimony, Total	ug/L	16	19	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	17	22	<2	<2	<2	<2	3.5
Barium, Dissolved	ug/L	17	22	<2	4	8.7	20.1	126
Barium, Total	ug/L	17	22	2.3	8.6	13.2	32	510
Beryllium, Total	ug/L	16	19	<0.5	<0.5	<0.5	<0.5	4
Cadmium, Total	ug/L	17	22	<1	<1	<1	<1	9.7
Chromium, Total	ug/L	17	22	<5	<5	<5	<5	120
Copper, Dissolved	ug/L	17	22	<10	<10	<10	<10	<10
Copper, Total	ug/L	17	22	<10	<10	<10	<10	35
Iron, Dissolved	ug/L	17	22	<4	11	30	250	7400
Iron, Total	ug/L	17	22	20	157	260	2920	13325
Lead, Dissolved	ug/L	17	21	<2	<2	<2	<2	7.05
Lead, Total	ug/L	17	22	<1	<1	1.95	9.82	84.1
Manganese, Dissolved	ug/L	17	22	<2	2	8	18	83.5
Manganese, Total	ug/L	17	22	<2	4	10	32	370
Mercury, Total	ug/L	17	22	<0.1	<0.1	<0.1	<0.1	1.7
Nickel, Total	ug/L	17	22	<10	<10	<10	<10	20
Selenium, Total	ug/L	16	19	<1	<1	<1	<1	1.25
Silver, Total	ug/L	17	22	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	17	22	4.5	15	30	115	214
Strontium, Total	ug/L	17	22	6.15	21	53	104	1300
Thallium, Total	ug/L	16	19	<0.2	<0.2	<0.2	<0.2	0.25
Vanadium, Total	ug/L	16	19	<4	<4	<4	6.5	202
Zinc, Dissolved	ug/L	17	22	<4	11.5	18	46	127
Zinc, Total	ug/L	17	22	<10	<10	16	52	171.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	17	22	<0.2	<0.2	0.2	0.27	4.6
Ammonia, Dissolved (as N)	mg/L	17	22	<0.01	<0.01	0.01	0.085	0.18
Nitrate+Nitrite, Dissolved (as N)	mg/L	17	22	<0.1	0.12	0.29	0.8175	26
Orthophosphate, Dissolved (as P)	mg/L	16	19	<0.004	0.03	0.062	0.275	1
Phosphorus, Dissolved (as P)	mg/L	17	22	<0.004	0.038	0.06	0.22	0.73
Silica, Dissolved	mg/L	17	22	2.2	6.3	6.6	9.3	16

Table 37. St. Johns River Reporting Unit D - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	3	5	<0.3	NSD	NSD	NSD	4
Specific Conductance, Field	uS/cm	3	5	221	NSD	NSD	NSD	289
Temperature	°C	3	5	21.5	NSD	NSD	NSD	22.7
pH, Field	s.u.	3	5	6.15	NSD	NSD	NSD	6.7
Alkalinity, Dissolved (as CaCO3)	mg/L	3	5	75.3	NSD	NSD	NSD	128
Calcium, Dissolved	mg/L	3	5	19.6	NSD	NSD	NSD	44
Chloride, Dissolved	mg/L	3	5	7.4	NSD	NSD	NSD	8.9
Fluoride, Dissolved	mg/L	3	5	0.22	NSD	NSD	NSD	0.3
Magnesium, Dissolved	mg/L	3	5	5.1	NSD	NSD	NSD	13.2
Organic Carbon, Total	mg/L	3	4	<1	NSD	NSD	NSD	1.3
Potassium, Dissolved	mg/L	3	5	0.4	NSD	NSD	NSD	1.47
Sodium, Dissolved	mg/L	3	5	4.8	NSD	NSD	NSD	6
Sulfate, Dissolved	mg/L	3	5	1.2	NSD	NSD	NSD	3.8
Sulfide, Total	mg/L	3	4	<0.05	NSD	NSD	NSD	2.3
Turbidity	ntu	3	5	0.5	NSD	NSD	NSD	2.2
Aluminum, Dissolved	ug/L	3	5	<30	NSD	NSD	NSD	<30
Aluminum, Total	ug/L	3	5	<20	NSD	NSD	NSD	181
Antimony, Total	ug/L	3	4	<4	NSD	NSD	NSD	<4
Arsenic, Total	ug/L	3	5	<2	NSD	NSD	NSD	5.1
Barium, Dissolved	ug/L	3	5	3.6	NSD	NSD	NSD	30.1
Barium, Total	ug/L	3	5	3.9	NSD	NSD	NSD	31.9
Beryllium, Total	ug/L	3	4	<0.5	NSD	NSD	NSD	<0.5
Cadmium, Total	ug/L	3	5	<1	NSD	NSD	NSD	<1
Chromium, Total	ug/L	3	5	<5	NSD	NSD	NSD	<5
Copper, Dissolved	ug/L	3	5	<10	NSD	NSD	NSD	<10
Copper, Total	ug/L	3	5	<10	NSD	NSD	NSD	<10
Iron, Dissolved	ug/L	3	5	<4	NSD	NSD	NSD	29
Iron, Total	ug/L	3	5	11	NSD	NSD	NSD	210
Lead, Dissolved	ug/L	2	4	<1	NSD	NSD	NSD	<1
Lead, Total	ug/L	3	5	<0.1	NSD	NSD	NSD	1
Manganese, Dissolved	ug/L	3	5	8.3	NSD	NSD	NSD	15
Manganese, Total	ug/L	3	5	8.8	NSD	NSD	NSD	14
Mercury, Total	ug/L	3	5	<0.1	NSD	NSD	NSD	<0.1
Nickel, Total	ug/L	3	5	<10	NSD	NSD	NSD	<10
Selenium, Total	ug/L	3	5	<1	NSD	NSD	NSD	<1
Silver, Total	ug/L	3	5	<1	NSD	NSD	NSD	<1

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Strontium, Dissolved	ug/L	3	5	35	NSD	NSD	NSD	60
Strontium, Total	ug/L	3	5	37	NSD	NSD	NSD	63
Thallium, Total	ug/L	3	4	<0.05	NSD	NSD	NSD	0.06
Vanadium, Total	ug/L	3	4	<4	NSD	NSD	NSD	8.5
Zinc, Dissolved	ug/L	3	5	<2	NSD	NSD	NSD	14
Zinc, Total	ug/L	3	5	<10	NSD	NSD	NSD	25
Ammonia+Organic Nitrogen, Dissolved	mg/L	3	5	<0.2	NSD	NSD	NSD	<0.2
Ammonia, Dissolved (as N)	mg/L	3	5	<0.01	NSD	NSD	NSD	0.02
Nitrate+Nitrite, Dissolved (as N)	mg/L	3	5	0.07	NSD	NSD	NSD	2.6
Orthophosphate, Dissolved (as P)	mg/L	3	4	0.023	NSD	NSD	NSD	0.8145
Phosphorus, Dissolved (as P)	mg/L	3	5	<0.02	NSD	NSD	NSD	0.3
Silica, Dissolved	mg/L	3	5	7.1	NSD	NSD	NSD	39

Table 38. St. Johns River Reporting Unit D - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	26	49	<0.3	<0.3	0.585	3.91	6.635
Specific Conductance, Field	uS/cm	27	54	128	252	370	399.5	1748
Temperature	°C	27	54	11.9	22.375	23.4	24.375	25.6
pH, Field	s.u.	27	54	6.665	7.2675	7.42	7.725	8.44
Alkalinity, Dissolved (as CaCO3)	mg/L	27	51	49	99	158.5	188.5	276.5
Calcium, Dissolved	mg/L	27	51	18	32.775	48.3	63.575	120
Chloride, Dissolved	mg/L	27	51	3.7	6.325	7.7	9.8	455
Fluoride, Dissolved	mg/L	27	51	<0.1	<0.1	0.12	0.1925	0.6
Magnesium, Dissolved	mg/L	27	51	0.85	2.93	6.6	10.635	29.15
Organic Carbon, Total	mg/L	26	44	<1	<1	1.225	1.8	22
Potassium, Dissolved	mg/L	27	51	<0.2	0.4825	0.9	1.575	10.6
Sodium, Dissolved	mg/L	27	51	2	4.15	5.4	6.455	221
Sulfate, Dissolved	mg/L	27	51	<0.2	2.2975	2.7	6.725	92
Sulfide, Total	mg/L	26	44	<0.05	<0.05	<0.05	0.059	1.45
Turbidity	ntu	27	50	<1	<1	1.55	6.45	35

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	27	51	<30	<30	<30	<30	<30
Aluminum, Total	ug/L	27	51	<40	<40	<40	<40	224
Antimony, Total	ug/L	26	44	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	27	51	<2	<2	<2	<2	6.1
Barium, Dissolved	ug/L	27	51	<2	4	8.1	18.2	72.3
Barium, Total	ug/L	27	51	<2	4.5	9.95	17.65	77.7
Beryllium, Total	ug/L	26	44	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	27	51	<1	<1	<1	<1	1
Chromium, Total	ug/L	27	51	<5	<5	<5	<5	5
Copper, Dissolved	ug/L	27	50	<10	<10	<10	<10	16
Copper, Total	ug/L	27	51	<10	<10	<10	<10	20
Iron, Dissolved	ug/L	27	51	<4	4.625	10.5	38.25	1580
Iron, Total	ug/L	27	51	<10	48.5	112	754.5	18000
Lead, Dissolved	ug/L	26	46	<2	<2	<2	<2	5.99
Lead, Total	ug/L	27	51	<1	<1	2	6.855	880
Manganese, Dissolved	ug/L	27	51	<2	<2	4.2	9.5	48
Manganese, Total	ug/L	27	51	<2	2.375	8.4	13.5	240
Mercury, Total	ug/L	27	51	<0.1	<0.1	<0.1	<0.1	0.1
Nickel, Total	ug/L	27	51	<10	<10	<10	<10	20
Selenium, Total	ug/L	26	46	<2	<2	<2	<2	3.4
Silver, Total	ug/L	27	51	<1	<1	<1	<1	1
Strontium, Dissolved	ug/L	27	51	29	69.5	90	209	1900
Strontium, Total	ug/L	27	51	30	68	90	189	1900
Thallium, Total	ug/L	26	44	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	26	44	<4	<4	<4	<4	19
Zinc, Dissolved	ug/L	27	51	<4	<4	8	25	360
Zinc, Total	ug/L	27	51	<10	<10	16	50.5	365
Ammonia+Organic Nitrogen, Dissolved	mg/L	27	51	<0.2	<0.2	<0.2	0.245	0.71
Ammonia, Dissolved (as N)	mg/L	27	51	<0.01	<0.01	0.039	0.11	0.36
Nitrate+Nitrite, Dissolved (as N)	mg/L	27	51	<0.02	<0.02	0.0835	0.55	5
Orthophosphate, Dissolved (as P)	mg/L	26	44	<0.02	0.024	0.0415	0.053	0.25
Phosphorus, Dissolved (as P)	mg/L	27	51	<0.02	0.0255	0.0405	0.0475	0.27
Silica, Dissolved	mg/L	27	51	4.1	9.45	12.85	16.25	28

Southwest Florida Reporting Unit A

A map of wells in Southwest Florida Reporting Unit A is presented as Figure 16. Results are presented in Table 39 - Table 40.

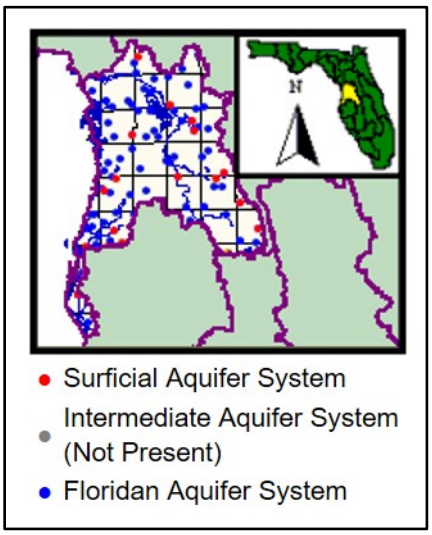

Figure 16. Map of wells in Southwest Florida Reporting Unit A.

Table 39. Southwest Florida Reporting Unit A - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	12	15	0.15	0.245	0.415	2.8725	4.63
Specific Conductance, Field	uS/cm	14	18	26.1	126.35	252.5	454.5	681
Temperature	°C	14	18	21.6	23.7	24.5	25.7	26.45
pH, Field	s.u.	14	18	5.09	5.59	6.515	7.19	7.65
Alkalinity, Dissolved (as CaCO3)	mg/L	14	18	4.1	28.1	88.4925	160	294
Calcium, Dissolved	mg/L	14	18	0.3	10.9	36.3	59	128
Chloride, Dissolved	mg/L	14	18	2.1	4.3	9.175	17	72
Fluoride, Dissolved	mg/L	14	18	<0.1	<0.1	<0.1	0.11	0.72
Magnesium, Dissolved	mg/L	14	18	0.54	1.67	2.0925	4.36	10.1
Organic Carbon, Total	mg/L	14	18	<1	1.1	2.6	8.4	21
Potassium, Dissolved	mg/L	14	18	0.1	0.195	0.6175	2.44	4.6
Sodium, Dissolved	mg/L	14	18	1.74	2.8	5.45	12.1	149.5
Sulfate, Dissolved	mg/L	14	18	<0.2	3.2	5.525	25	77
Sulfide, Total	mg/L	14	18	<0.5	<0.5	<0.5	<0.5	0.5025

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Turbidity	ntu	14	18	4.35	19	34	66	155.8
Aluminum, Dissolved	ug/L	14	18	<30	<30	<30	<30	451.5
Aluminum, Total	ug/L	14	18	<40	88	437.5	1622.5	3590
Antimony, Total	ug/L	14	18	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	14	18	<3	<3	<3	<3	10.4
Barium, Dissolved	ug/L	14	18	1.4	3.1	5.05	14.3	18.7
Barium, Total	ug/L	14	18	2.1	5.05	8.75	15.3	38.8
Beryllium, Total	ug/L	14	18	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	14	18	<1	<1	<1	<1	<1
Chromium, Total	ug/L	14	18	<10	<10	<10	<10	15.5
Copper, Dissolved	ug/L	14	18	<10	<10	<10	<10	<10
Copper, Total	ug/L	14	18	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	14	18	<4	37	516.25	2590	15685
Iron, Total	ug/L	14	18	60	881	2110	14100	30725
Lead, Dissolved	ug/L	14	18	<1	<1	<1	<1	8.565
Lead, Total	ug/L	14	18	0.69	3.51	10.5225	26	54.05
Manganese, Dissolved	ug/L	14	18	<2	7.5	17	32	169.4
Manganese, Total	ug/L	14	18	2.8	16	42	120	201.4
Mercury, Total	ug/L	14	18	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	14	18	<10	<10	<10	<10	10
Selenium, Total	ug/L	14	18	<4	<4	<4	<4	<4
Silver, Total	ug/L	14	18	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	14	18	3	28	74.5	131	275
Strontium, Total	ug/L	14	18	3	30	72.95	137.5	333
Thallium, Total	ug/L	14	18	<10	<10	<10	<10	<10
Vanadium, Total	ug/L	14	18	<4	<4	5.25	7.25	19
Zinc, Dissolved	ug/L	14	18	<4	5.5	11	27	680.75
Zinc, Total	ug/L	14	18	<10	<10	12.25	60	1877.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	14	18	<0.2	<0.2	0.2425	0.62	1.985
Ammonia, Dissolved (as N)	mg/L	14	18	<0.01	0.01	0.049	0.34	1.27
Nitrate+Nitrite, Dissolved (as N)	mg/L	14	18	<0.2	<0.2	<0.2	0.702	4.7
Orthophosphate, Dissolved (as P)	mg/L	14	18	<0.02	<0.02	0.039	0.0885	0.42
Phosphorus, Dissolved (as P)	mg/L	14	18	0.013	0.03	0.0404	0.099	0.49
Silica, Dissolved	mg/L	14	18	2.8	5.05	7.075	9.6	14.5

Table 40. Southwest Florida Reporting Unit A - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	28	69	0.07	0.155	0.555	1.3375	5.3
Specific Conductance, Field	uS/cm	32	82	207	313.5	373.25	675.75	4660
Temperature	°C	32	82	22.4	23.55	23.925	24.45	27
pH, Field	s.u.	32	82	6.91	7.245	7.3725	7.5575	7.89
Alkalinity, Dissolved (as CaCO3)	mg/L	32	82	92	123.25	148.75	175.5	307
Calcium, Dissolved	mg/L	32	82	30.2	40.725	54.775	80.825	354
Chloride, Dissolved	mg/L	32	82	4.4	6.75	9.75	23.15	1400
Fluoride, Dissolved	mg/L	32	82	<0.1	<0.1	<0.1	0.1525	0.34
Magnesium, Dissolved	mg/L	32	82	0.75	1.8875	3.6175	7.73	57.8
Organic Carbon, Total	mg/L	32	82	<1	1.1	2.05	2.95	8.5
Potassium, Dissolved	mg/L	32	82	<0.2	0.4	0.6975	1.83	9.67
Sodium, Dissolved	mg/L	32	82	2.5	4.4375	5.29	15.35	500
Sulfate, Dissolved	mg/L	32	82	<0.2	0.9925	6.125	20.5	390
Sulfide, Total	mg/L	32	82	<0.25	<0.25	<0.25	<0.25	4.6
Turbidity	ntu	32	82	<0.6	5.9	8.6	13	160
Aluminum, Dissolved	ug/L	32	82	<100	<100	<100	<100	<100
Aluminum, Total	ug/L	32	82	<300	<300	<300	<300	1197.5
Antimony, Total	ug/L	32	82	<30	<30	<30	<30	<30
Arsenic, Total	ug/L	32	82	<20	<20	<20	<20	35.1
Barium, Dissolved	ug/L	32	82	<2	4.1	7.675	18.725	172
Barium, Total	ug/L	32	82	<2	4.225	10.425	19.625	164
Beryllium, Total	ug/L	32	82	<5	<5	<5	<5	<5
Cadmium, Total	ug/L	32	82	<1	<1	<1	<1	4.73
Chromium, Total	ug/L	32	82	<10	<10	<10	<10	11.1
Copper, Dissolved	ug/L	32	80	<10	<10	<10	<10	<10
Copper, Total	ug/L	32	82	<10	<10	<10	<10	60
Iron, Dissolved	ug/L	32	82	<30	32.75	143	575	3050
Iron, Total	ug/L	32	82	<300	530.5	1204.5	2451.25	11200
Lead, Dissolved	ug/L	32	77	<10	<10	<10	<10	<10
Lead, Total	ug/L	32	82	<3	<3	4.775	8.4425	41.55
Manganese, Dissolved	ug/L	32	82	<2	5	16.5	33.5	244
Manganese, Total	ug/L	32	82	<2	11.4	19.5	52.75	306
Mercury, Total	ug/L	32	82	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	32	82	<40	<40	<40	<40	<40
Selenium, Total	ug/L	32	82	<20	<20	<20	<20	<20

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Silver, Total	ug/L	32	82	<10	<10	<10	<10	<10
Strontium, Dissolved	ug/L	32	82	30	67	104	430.75	4780
Strontium, Total	ug/L	32	82	30	66.25	107.25	437.75	5020
Thallium, Total	ug/L	32	82	<30	<30	<30	<30	<30
Vanadium, Total	ug/L	32	82	<20	<20	<20	<20	26
Zinc, Dissolved	ug/L	32	82	<10	<10	<10	<10	90.5
Zinc, Total	ug/L	32	82	<40	<40	<40	<40	1617.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	32	82	<0.2	<0.2	<0.2	0.3898	1.4
Ammonia, Dissolved (as N)	mg/L	32	82	<0.01	0.0298	0.076	0.195	1
Nitrate+Nitrite, Dissolved (as N)	mg/L	32	82	<0.04	<0.04	<0.04	0.2838	1.255
Orthophosphate, Dissolved (as P)	mg/L	32	82	<0.004	0.0205	0.0305	0.0625	0.2
Phosphorus, Dissolved (as P)	mg/L	32	82	<0.02	<0.02	0.0333	0.0755	0.22
Silica, Dissolved	mg/L	32	82	2.6	6.2	8.9	11.5	30

Southwest Florida Reporting Unit B

A map of wells in Southwest Florida Reporting Unit B is presented as Figure 17. Results are presented in Table 41 - Table 43.

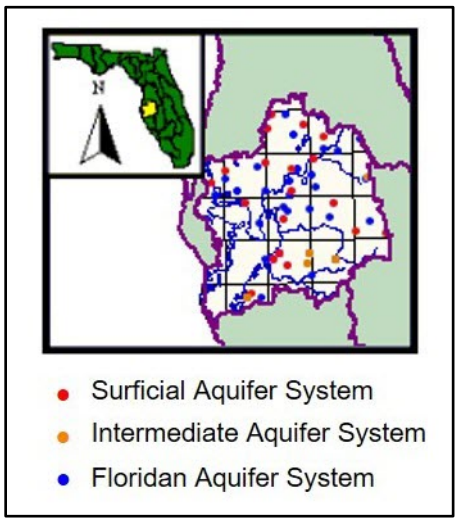

Figure 17. Map of wells in Southwest Florida Reporting Unit B.

Table 41. Southwest Florida Reporting Unit B - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	11	18	0.13	0.5575	0.965	1.395	4.14
Specific Conductance, Field	uS/cm	13	22	45	87	176.4	626	2060
Temperature	°C	13	22	21.4	24	25	25.95	27.8
pH, Field	s.u.	13	22	4.73	5.07	5.96	6.5	7.36
Alkalinity, Dissolved (as CaCO3)	mg/L	13	22	<1	1	43.4	222	335
Calcium, Dissolved	mg/L	13	22	1.73	4.41	31.2	96.5	370
Chloride, Dissolved	mg/L	13	22	3	5.2	13	23	340
Fluoride, Dissolved	mg/L	13	22	<0.1	0.11	0.15	0.22	0.57
Magnesium, Dissolved	mg/L	13	22	0.57	1.74	3.15	8.3	20.5
Organic Carbon, Total	mg/L	12	20	<1	2.75	3.85	16.5	51
Potassium, Dissolved	mg/L	13	22	0.1	0.5	1.59	2.07	5.65
Sodium, Dissolved	mg/L	13	22	4.22	5.27	6.55	17.1	189
Sulfate, Dissolved	mg/L	13	22	0.43	3.6	15	70	680
Sulfide, Total	mg/L	12	20	<1	<1	<1	<1	<1
Turbidity	ntu	13	22	1.8	5.6	11	26	3800

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	13	22	<80	<80	<80	311	1680
Aluminum, Total	ug/L	13	22	<30	180	425	1750	237000
Antimony, Total	ug/L	12	20	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	13	22	<4	<4	<4	6.4	28.25
Barium, Dissolved	ug/L	13	22	<1	10.5	18.5	27.2	61
Barium, Total	ug/L	13	22	11.8	17.4	27.3	35.2	854
Beryllium, Total	ug/L	12	20	<1	<1	<1	<1	1
Cadmium, Total	ug/L	13	22	<1	<1	<1	<1	<1
Chromium, Total	ug/L	13	22	<8	<8	<8	<8	276
Copper, Dissolved	ug/L	13	22	<10	<10	<10	<10	<10
Copper, Total	ug/L	13	22	<10	<10	<10	<10	10
Iron, Dissolved	ug/L	13	22	<3	107	486	1630	20500
Iron, Total	ug/L	13	22	66	1010	1470	9090	34400
Lead, Dissolved	ug/L	12	21	<3	<3	<3	<3	57.7
Lead, Total	ug/L	13	22	<1	6.67	10.3	55.6	172
Manganese, Dissolved	ug/L	13	22	4	7	12	45	160
Manganese, Total	ug/L	13	22	5	9	12	59	321
Mercury, Total	ug/L	13	22	<0.1	<0.1	<0.1	<0.1	0.94
Nickel, Total	ug/L	13	22	<10	<10	<10	<10	41
Selenium, Total	ug/L	12	20	<4	<4	<4	<4	<4
Silver, Total	ug/L	13	22	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	13	22	1	22.4	47	544	2400
Strontium, Total	ug/L	13	22	15	44	265	710	2350
Thallium, Total	ug/L	12	20	<10	<10	<10	<10	<10
Vanadium, Total	ug/L	12	20	<4	<4	<4	6	114
Zinc, Dissolved	ug/L	13	22	<10	<10	10	14	3380
Zinc, Total	ug/L	13	22	1.5	9	15	126	2200
Ammonia+Organic Nitrogen, Dissolved	mg/L	13	22	<0.2	0.25	0.3	0.78	13
Ammonia, Dissolved (as N)	mg/L	13	22	<0.01	0.048	0.063	0.55	12
Nitrate+Nitrite, Dissolved (as N)	mg/L	13	22	<0.025	<0.025	<0.025	0.081	6.2
Orthophosphate, Dissolved (as P)	mg/L	12	20	<0.2	<0.2	<0.2	<0.2	0.66
Phosphorus, Dissolved (as P)	mg/L	13	22	<0.02	0.035	0.067	0.17	0.81
Silica, Dissolved	mg/L	13	22	2.4	3.2	7.8	11	19

Table 42. Southwest Florida Reporting Unit B - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	4	5	0.115	NSD	NSD	NSD	6.17
Specific Conductance, Field	uS/cm	4	5	288	NSD	NSD	NSD	882
Temperature	°C	4	5	25	NSD	NSD	NSD	25.9
pH, Field	s.u.	4	5	7.11	NSD	NSD	NSD	7.64
Alkalinity, Dissolved (as CaCO3)	mg/L	4	5	42.2	NSD	NSD	NSD	265
Calcium, Dissolved	mg/L	4	5	5.48	NSD	NSD	NSD	75
Chloride, Dissolved	mg/L	4	5	4	NSD	NSD	NSD	100
Fluoride, Dissolved	mg/L	4	5	<0.1	NSD	NSD	NSD	1.4
Magnesium, Dissolved	mg/L	4	5	8.61	NSD	NSD	NSD	39
Organic Carbon, Total	mg/L	3	4	<1	NSD	NSD	NSD	4.05
Potassium, Dissolved	mg/L	4	5	0.5	NSD	NSD	NSD	6.4
Sodium, Dissolved	mg/L	4	5	6.02	NSD	NSD	NSD	303
Sulfate, Dissolved	mg/L	4	5	0.68	NSD	NSD	NSD	38
Sulfide, Total	mg/L	3	4	<1	NSD	NSD	NSD	<1
Turbidity	ntu	4	5	<0.3	NSD	NSD	NSD	37
Aluminum, Dissolved	ug/L	4	5	<20	NSD	NSD	NSD	37
Aluminum, Total	ug/L	4	5	<30	NSD	NSD	NSD	147
Antimony, Total	ug/L	3	4	<0.5	NSD	NSD	NSD	<0.5
Arsenic, Total	ug/L	4	5	<2	NSD	NSD	NSD	<2
Barium, Dissolved	ug/L	4	5	<0.5	NSD	NSD	NSD	14.75
Barium, Total	ug/L	4	5	<0.5	NSD	NSD	NSD	17.2
Beryllium, Total	ug/L	3	4	<0.5	NSD	NSD	NSD	<0.5
Cadmium, Total	ug/L	4	5	<1	NSD	NSD	NSD	<1
Chromium, Total	ug/L	4	5	<5	NSD	NSD	NSD	<5
Copper, Dissolved	ug/L	4	5	<10	NSD	NSD	NSD	<10
Copper, Total	ug/L	4	5	<10	NSD	NSD	NSD	<10
Iron, Dissolved	ug/L	4	5	<3	NSD	NSD	NSD	306
Iron, Total	ug/L	4	5	10	NSD	NSD	NSD	20000
Lead, Dissolved	ug/L	4	5	<1	NSD	NSD	NSD	<1
Lead, Total	ug/L	4	5	0.655	NSD	NSD	NSD	18
Manganese, Dissolved	ug/L	4	5	3	NSD	NSD	NSD	22
Manganese, Total	ug/L	4	5	1.3	NSD	NSD	NSD	127
Mercury, Total	ug/L	4	5	<0.1	NSD	NSD	NSD	<0.1
Nickel, Total	ug/L	4	5	<10	NSD	NSD	NSD	<10

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Selenium, Total	ug/L	3	4	<1	NSD	NSD	NSD	<1
Silver, Total	ug/L	4	5	<1	NSD	NSD	NSD	<1
Strontium, Dissolved	ug/L	4	5	8	NSD	NSD	NSD	4178.5
Strontium, Total	ug/L	4	5	6	NSD	NSD	NSD	3970
Thallium, Total	ug/L	3	4	<0.02	NSD	NSD	NSD	<0.02
Vanadium, Total	ug/L	3	4	<2	NSD	NSD	NSD	5
Zinc, Dissolved	ug/L	4	5	<4	NSD	NSD	NSD	6
Zinc, Total	ug/L	4	5	<10	NSD	NSD	NSD	<10
Ammonia+Organic Nitrogen, Dissolved	mg/L	4	5	0.043	NSD	NSD	NSD	0.37
Ammonia, Dissolved (as N)	mg/L	4	5	<0.01	NSD	NSD	NSD	0.265
Nitrate+Nitrite, Dissolved (as N)	mg/L	4	5	<0.02	NSD	NSD	NSD	0.053
Orthophosphate, Dissolved (as P)	mg/L	3	4	0.005	NSD	NSD	NSD	0.041
Phosphorus, Dissolved (as P)	mg/L	4	5	<0.02	NSD	NSD	NSD	0.047
Silica, Dissolved	mg/L	4	5	0.69	NSD	NSD	NSD	46

Table 43. Southwest Florida Reporting Unit B - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	16	50	0.09	0.1475	0.2475	0.7425	2.455
Specific Conductance, Field	uS/cm	17	54	256	370	507	1415	5488
Temperature	°C	17	54	23.9	24.3	24.9	25.85	26.8
pH, Field	s.u.	17	54	7	7.245	7.31	7.51	7.74
Alkalinity, Dissolved (as CaCO3)	mg/L	17	54	107	112	145	168.5	290
Calcium, Dissolved	mg/L	17	54	35.7	46.2	93.9	118.15	355.3
Chloride, Dissolved	mg/L	17	54	5.9	12	15	180	1810
Fluoride, Dissolved	mg/L	17	54	<0.1	0.185	0.25	0.32	1.1
Magnesium, Dissolved	mg/L	17	54	1.405	4.17	14.3	15.9	71
Organic Carbon, Total	mg/L	16	50	1.1	2.025	2.75	3.325	7.9
Potassium, Dissolved	mg/L	17	54	0.3	0.755	1.53	2.8	10.495
Sodium, Dissolved	mg/L	17	54	4.43	6.62	9.35	84	691
Sulfate, Dissolved	mg/L	17	54	0.58	2.5	41	47	475
Sulfide, Total	mg/L	16	50	<0.25	<0.25	0.3175	1.4313	3.15

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Turbidity	ntu	17	54	<0.4	1	2.65	17	170
Aluminum, Dissolved	ug/L	17	54	<80	<80	<80	<80	<80
Aluminum, Total	ug/L	17	54	<300	<300	<300	<300	<300
Antimony, Total	ug/L	16	50	<5	<5	<5	<5	<5
Arsenic, Total	ug/L	17	54	<20	<20	<20	<20	<20
Barium, Dissolved	ug/L	17	54	2.65	9.7	22.15	24	147.15
Barium, Total	ug/L	17	54	3.2	11.5	20.9	27.75	139.85
Beryllium, Total	ug/L	16	50	<3	<3	<3	<3	<3
Cadmium, Total	ug/L	17	54	<1	<1	<1	<1	3.52
Chromium, Total	ug/L	17	54	<10	<10	<10	<10	<10
Copper, Dissolved	ug/L	17	54	<10	<10	<10	<10	<10
Copper, Total	ug/L	17	54	<10	<10	<10	<10	23
Iron, Dissolved	ug/L	17	54	<20	<20	124	1410	11400
Iron, Total	ug/L	17	54	22	56.5	306	1790	21700
Lead, Dissolved	ug/L	16	51	<3	<3	<3	<3	<3
Lead, Total	ug/L	17	54	<3	<3	<3	3.34	158.025
Manganese, Dissolved	ug/L	17	54	<5	<5	13.5	24.2	456
Manganese, Total	ug/L	17	54	<5	<5	12	28	488
Mercury, Total	ug/L	17	54	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	17	54	<40	<40	<40	<40	<40
Selenium, Total	ug/L	16	50	<5	<5	<5	<5	<5
Silver, Total	ug/L	17	54	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	17	54	75	145	687	2869.5	12000
Strontium, Total	ug/L	17	54	72	137	589	3575	11000
Thallium, Total	ug/L	16	50	<10	<10	<10	<10	<10
Vanadium, Total	ug/L	16	50	<20	<20	<20	<20	<20
Zinc, Dissolved	ug/L	17	54	<10	<10	<10	<10	515.5
Zinc, Total	ug/L	17	54	<20	<20	<20	<20	4112.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	17	54	<0.2	<0.2	0.29	0.53	0.85
Ammonia, Dissolved (as N)	mg/L	17	54	0.0365	0.075	0.17	0.275	0.715
Nitrate+Nitrite, Dissolved (as N)	mg/L	17	54	<0.025	<0.025	<0.025	0.029	1.23
Orthophosphate, Dissolved (as P)	mg/L	16	50	<0.004	0.014	0.034	0.0455	0.2785
Phosphorus, Dissolved (as P)	mg/L	17	54	<0.02	<0.02	0.0425	0.0565	0.4095
Silica, Dissolved	mg/L	17	54	10.5	13	18	22	25

Southwest Florida Reporting Unit C

A map of wells in Southwest Florida Reporting Unit C is presented as Figure 18. Results are presented in Table 44 - Table 46.

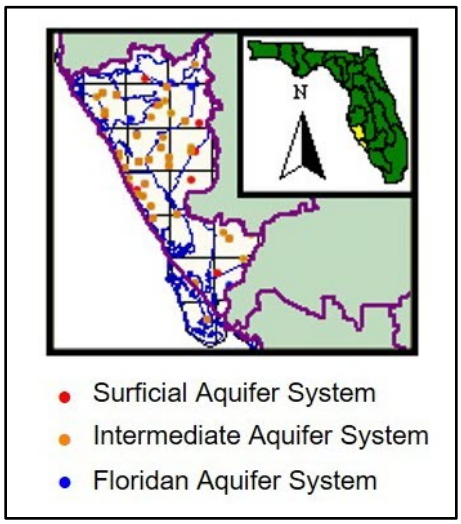

Figure 18. Map of wells in Southwest Florida Reporting Unit C.

Table 44. Southwest Florida Reporting Unit C - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	14	26	0.1	0.21	0.3675	1.74	3.47
Specific Conductance, Field	uS/cm	16	29	85.85	313.5	630.25	1148.5	6440
Temperature	°C	16	29	22.95	24.3	25.2	26.15	28.2
pH, Field	s.u.	16	29	5.125	6.01	6.69	7	7.77
Alkalinity, Dissolved (as CaCO3)	mg/L	16	29	4.1	115.7	243.5	263.75	330
Calcium, Dissolved	mg/L	16	29	3.5	42.75	83.95	126.5	240
Chloride, Dissolved	mg/L	16	26	3.7	16.125	53	115	1800
Fluoride, Dissolved	mg/L	16	28	<0.1	0.17	0.25	0.4	1.25
Magnesium, Dissolved	mg/L	16	29	2.15	7.255	11.25	19.5	93
Organic Carbon, Total	mg/L	11	12	9.2	13	22	22.5	79
Potassium, Dissolved	mg/L	16	29	0.4	1	1.925	4.37	27
Sodium, Dissolved	mg/L	16	29	3.2	5.325	33	81.5	880
Sulfate, Dissolved	mg/L	16	26	0.67	8.075	13.5	58	380
Sulfide, Total	mg/L	6	6	<0.07	0.088	0.37	1.1	4.5
Turbidity	ntu	14	23	<0.1	3.1	18.225	130	360

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	16	29	<20	<20	29	195	368
Aluminum, Total	ug/L	16	29	<20	60	152.5	502.5	3450
Antimony, Total	ug/L	11	12	<3	<3	<3	<3	3
Arsenic, Total	ug/L	16	29	<2	<2	<2	6.875	22.75
Barium, Dissolved	ug/L	16	29	3.65	7.2	15.6	39	120
Barium, Total	ug/L	16	29	5	13.65	18.7	47	120
Beryllium, Total	ug/L	11	12	<0.5	<0.5	<0.5	<0.5	0.8
Cadmium, Total	ug/L	16	29	<1	<1	<1	<1	1.85
Chromium, Total	ug/L	16	29	<5	<5	<5	<5	8.9
Copper, Dissolved	ug/L	16	29	<10	<10	<10	<10	13
Copper, Total	ug/L	16	29	<10	<10	<10	<10	20
Iron, Dissolved	ug/L	16	29	34	230	1110	2807.5	13000
Iron, Total	ug/L	16	29	51	780	2692.5	13025	51200
Lead, Dissolved	ug/L	16	29	<10	<10	<10	<10	16
Lead, Total	ug/L	16	29	<2	<2	3.4	14.325	112.4
Manganese, Dissolved	ug/L	16	29	1	4.3	11.75	22.5	290.5
Manganese, Total	ug/L	16	29	<2	5	12.8	23	285.5
Mercury, Total	ug/L	16	29	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	16	29	<10	<10	<10	<10	10
Selenium, Total	ug/L	11	12	<1	<1	<1	2	4.5
Silver, Total	ug/L	16	29	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	16	29	29.4	370	844.5	1355	12000
Strontium, Total	ug/L	16	29	29.45	367	789	1280	12000
Thallium, Total	ug/L	11	12	<3	<3	<3	<3	12
Vanadium, Total	ug/L	11	12	<4	<4	4	21.15	77.2
Zinc, Dissolved	ug/L	16	29	<10	<10	<10	13.25	272
Zinc, Total	ug/L	16	29	<10	<10	<10	27	1102.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	16	28	<0.2	0.58	0.93	1.1	1.9
Ammonia, Dissolved (as N)	mg/L	16	29	0.03	0.22	0.32	0.49	0.85
Nitrate+Nitrite, Dissolved (as N)	mg/L	16	29	<0.02	<0.02	<0.02	0.0385	0.07
Orthophosphate, Dissolved (as P)	mg/L	6	6	<0.02	<0.02	<0.02	0.053	0.26
Phosphorus, Dissolved (as P)	mg/L	16	28	<0.02	<0.02	0.036	0.225	0.685
Silica, Dissolved	mg/L	16	28	1.5	6.35	11	18.25	30.5

Table 45. Southwest Florida Reporting Unit C - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	13	37	0.04	0.2	0.555	2.2	2.69
Specific Conductance, Field	uS/cm	13	40	362	650	952	2965	3690
Temperature	°C	13	40	24.35	24.85	25.2	26.3	29.6
pH, Field	s.u.	13	40	7.03	7.36	7.435	7.48	8.185
Alkalinity, Dissolved (as CaCO3)	mg/L	13	40	113	147.5	177	197	221
Calcium, Dissolved	mg/L	13	40	27	51	87	110	260
Chloride, Dissolved	mg/L	13	39	12	64	83	720	1095
Fluoride, Dissolved	mg/L	13	39	0.3	0.95	1.2	1.6	2.4
Magnesium, Dissolved	mg/L	13	40	14	22.5	31	77.3	150
Organic Carbon, Total	mg/L	6	9	1.8	2.6	2.95	3.2	6
Potassium, Dissolved	mg/L	13	40	1.2	3.2	6.65	15	20.7
Sodium, Dissolved	mg/L	13	40	17	36	53	330	440
Sulfate, Dissolved	mg/L	13	39	2.2	14	69	258	1100
Sulfide, Total	mg/L	2	2	0.56	NSD	NSD	NSD	2.4
Turbidity	ntu	10	32	<0.8	1.3	2.3125	4.3	26.6
Aluminum, Dissolved	ug/L	13	40	<20	<20	<20	20	30
Aluminum, Total	ug/L	13	40	<60	<60	<60	<60	204
Antimony, Total	ug/L	6	9	<3	<3	<3	<3	<3
Arsenic, Total	ug/L	13	40	<4	<4	<4	<4	<4
Barium, Dissolved	ug/L	13	40	5.1	9.6	19.35	25.75	121
Barium, Total	ug/L	13	40	5.9	10	20	25.15	119
Beryllium, Total	ug/L	6	9	<1	<1	<1	<1	<1
Cadmium, Total	ug/L	13	40	<1	<1	<1	<1	1
Chromium, Total	ug/L	13	40	<5	<5	<5	<5	5
Copper, Dissolved	ug/L	13	40	<20	<20	<20	<20	<20
Copper, Total	ug/L	13	40	<10	<10	<10	<10	10
Iron, Dissolved	ug/L	13	40	<3	6	20	33.5	240
Iron, Total	ug/L	13	40	3	71	122	177	1300
Lead, Dissolved	ug/L	12	39	<1	<1	<1	<1	4.5
Lead, Total	ug/L	13	40	<2	<2	3.95	9.5	84.5
Manganese, Dissolved	ug/L	13	40	<1	1.25	2.3	7	14
Manganese, Total	ug/L	13	40	<2	<2	2.9	6	13
Mercury, Total	ug/L	13	40	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	13	40	<10	<10	<10	<10	10

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Selenium, Total	ug/L	6	9	<1	<1	<1	<1	4
Silver, Total	ug/L	13	40	<1	<1	<1	<1	1.6
Strontium, Dissolved	ug/L	13	40	330	2500	4200	11500	26000
Strontium, Total	ug/L	13	40	330	2400	4000	12000	15750
Thallium, Total	ug/L	6	9	<2	<2	<2	<2	<2
Vanadium, Total	ug/L	6	9	<4	<4	<4	<4	<4
Zinc, Dissolved	ug/L	13	40	<20	<20	<20	<20	<20
Zinc, Total	ug/L	13	40	<4	10	12.5	21	66.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	13	39	0.17	0.39	0.49	0.53	0.68
Ammonia, Dissolved (as N)	mg/L	13	39	0.14	0.28	0.37	0.4	0.57
Nitrate+Nitrite, Dissolved (as N)	mg/L	13	40	<0.02	<0.02	<0.02	0.02	0.09
Orthophosphate, Dissolved (as P)	mg/L	2	2	<0.004	NSD	NSD	NSD	0.005
Phosphorus, Dissolved (as P)	mg/L	13	39	<0.02	<0.02	<0.02	0.025	0.035
Silica, Dissolved	mg/L	13	37	14	18	26.5	32.5	46

Table 46. Southwest Florida Reporting Unit C - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	12	29	0.05	0.09	0.82	3.61	6.73
Specific Conductance, Field	uS/cm	13	31	498	1456	2400	3710	20400
Temperature	°C	13	31	25.7	26.3	27.1	28.25	29.5
pH, Field	s.u.	13	31	6.83	7.095	7.35	7.44	7.6
Alkalinity, Dissolved (as CaCO3)	mg/L	13	31	71	130	138	146	177
Calcium, Dissolved	mg/L	13	31	12	110	150	180	490
Chloride, Dissolved	mg/L	13	31	11	32	360	930	8500
Fluoride, Dissolved	mg/L	13	31	0.6	0.8	1.3	1.4	1.9
Magnesium, Dissolved	mg/L	13	31	9.5	74	90	150	500
Organic Carbon, Total	mg/L	5	5	1.1	1.5	2.3	2.5	4.3
Potassium, Dissolved	mg/L	13	31	1	3.7	4.9	18	130
Sodium, Dissolved	mg/L	13	31	8.6	21	160	420	4200
Sulfate, Dissolved	mg/L	13	31	37	250	450	700	1700

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfide, Total	mg/L	2	2	<0.07	NSD	NSD	NSD	3.2
Turbidity	ntu	11	28	<0.7	<0.7	<0.7	3.75	15
Aluminum, Dissolved	ug/L	13	31	<20	<20	<20	<20	55
Aluminum, Total	ug/L	13	31	<80	<80	<80	<80	160
Antimony, Total	ug/L	5	5	<5	<5	<5	<5	<5
Arsenic, Total	ug/L	13	31	<10	<10	<10	<10	<10
Barium, Dissolved	ug/L	13	31	6.1	12	23	49.7	52.4
Barium, Total	ug/L	13	31	6.5	14	22.5	50.7	56.1
Beryllium, Total	ug/L	5	5	<5	<5	<5	<5	<5
Cadmium, Total	ug/L	13	31	<1	<1	<1	<1	6
Chromium, Total	ug/L	13	31	<20	<20	<20	<20	<20
Copper, Dissolved	ug/L	13	31	<20	<20	<20	<20	<20
Copper, Total	ug/L	13	31	<10	<10	<10	<10	30
Iron, Dissolved	ug/L	13	31	<3	3	8	17	240
Iron, Total	ug/L	13	31	<10	12.5	21.5	140	3000
Lead, Dissolved	ug/L	11	29	<1	<1	<1	<1	1
Lead, Total	ug/L	13	31	<3	<3	<3	3	38
Manganese, Dissolved	ug/L	13	31	<1	<1	<1	1.05	19
Manganese, Total	ug/L	13	31	<5	<5	<5	<5	82
Mercury, Total	ug/L	13	31	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	13	31	<20	<20	<20	<20	<20
Selenium, Total	ug/L	5	5	<20	<20	<20	<20	<20
Silver, Total	ug/L	13	31	<1	<1	<1	<1	1
Strontium, Dissolved	ug/L	13	31	3000	12000	21000	24100	56000
Strontium, Total	ug/L	13	31	1100	12000	20500	23500	49600
Thallium, Total	ug/L	5	5	<20	<20	<20	<20	<20
Vanadium, Total	ug/L	5	5	<20	<20	<20	<20	<20
Zinc, Dissolved	ug/L	13	31	<20	<20	<20	<20	<20
Zinc, Total	ug/L	13	31	<10	<10	<10	20	3600
Ammonia+Organic Nitrogen, Dissolved	mg/L	13	31	0.31	0.46	0.49	0.54	0.88
Ammonia, Dissolved (as N)	mg/L	13	31	0.27	0.31	0.35	0.45	0.57
Nitrate+Nitrite, Dissolved (as N)	mg/L	13	31	<0.02	<0.02	<0.02	<0.02	0.07
Orthophosphate, Dissolved (as P)	mg/L	2	2	<0.004	NSD	NSD	NSD	<0.004
Phosphorus, Dissolved (as P)	mg/L	13	31	<0.02	<0.02	<0.02	0.025	0.06
Silica, Dissolved	mg/L	12	30	1.8	18	21	22.5	29

Southwest Florida Reporting Unit D

A map of wells in Southwest Florida Reporting Unit D is presented as Figure 19. Results are presented in Table 47 - Table 49.

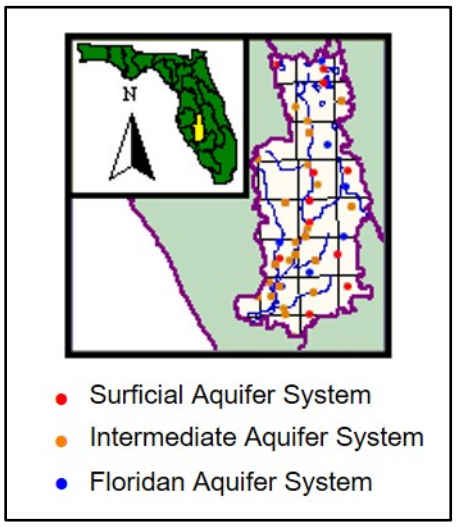

Figure 19. Map of wells in Southwest Florida Reporting Unit D.

Table 47. Southwest Florida Reporting Unit D - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	18	25	0.15	0.28	0.72	2.95	6.73
Specific Conductance, Field	uS/cm	19	26	77.4	152	301	454	1220
Temperature	°C	19	26	24.2	25.15	25.7	26.05	28.4
pH, Field	s.u.	19	26	4.13	5.24	5.84	6.56	7.76
Alkalinity, Dissolved (as CaCO3)	mg/L	19	26	<1	14	50.3	117	236.5
Calcium, Dissolved	mg/L	19	26	2.6	9.72	24.9	37.45	103
Chloride, Dissolved	mg/L	17	24	5.3	11	14	36	87
Fluoride, Dissolved	mg/L	19	26	<0.1	<0.1	0.2	0.405	1.6
Magnesium, Dissolved	mg/L	19	26	0.8	3.095	4.7	10.415	27
Organic Carbon, Total	mg/L	11	12	<1	3.9	9.4	13.5	28.5
Potassium, Dissolved	mg/L	19	26	0.2	0.66	1.2	3.75	27.3
Sodium, Dissolved	mg/L	19	26	3.25	6.76	7.8	19	88
Sulfate, Dissolved	mg/L	17	24	<0.2	4.4	11	25	76
Sulfide, Total	mg/L	8	8	<0.06	<0.06	<0.06	0.518	1.1

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Turbidity	ntu	16	22	2	4.35	8.5	22	43
Aluminum, Dissolved	ug/L	19	26	<20	27.5	60	130	27000
Aluminum, Total	ug/L	19	26	<35	95.5	250	496.5	29000
Antimony, Total	ug/L	11	12	<3	<3	<3	<3	3.65
Arsenic, Total	ug/L	19	26	<2	<2	<2	2.1	10.1
Barium, Dissolved	ug/L	19	26	2.1	6.8	10	25.825	63.8
Barium, Total	ug/L	19	26	2.1	9.1	12	36.1	320
Beryllium, Total	ug/L	11	12	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	19	26	<1	<1	<1	<1	2.9
Chromium, Total	ug/L	19	26	<5	<5	<5	<5	40
Copper, Dissolved	ug/L	19	26	<10	<10	<10	10	20
Copper, Total	ug/L	19	26	<10	<10	<10	10	280
Iron, Dissolved	ug/L	19	26	<3	435	771	1600	3365
Iron, Total	ug/L	19	26	170	520	1100	2305	6600
Lead, Dissolved	ug/L	19	26	<10	<10	<10	<10	37
Lead, Total	ug/L	19	26	<1	1.4	4.62	33.7	450
Manganese, Dissolved	ug/L	19	26	<0.5	5.5	14	24	59
Manganese, Total	ug/L	19	26	3	8.7	14	25.5	70
Mercury, Total	ug/L	19	26	<0.1	<0.1	<0.1	<0.1	1.8
Nickel, Total	ug/L	19	26	<10	<10	<10	<10	10
Selenium, Total	ug/L	11	12	<1	<1	<1	1	2
Silver, Total	ug/L	19	26	<1	<1	<1	<1	1
Strontium, Dissolved	ug/L	19	26	10	35	60	149	2200
Strontium, Total	ug/L	19	26	20	49	80	169	2250
Thallium, Total	ug/L	11	12	<2	<2	<2	<2	<2
Vanadium, Total	ug/L	11	12	<4	<4	<4	<4	6
Zinc, Dissolved	ug/L	19	26	<10	<10	20	35.5	451
Zinc, Total	ug/L	19	26	<4	7.5	21	38.5	607
Ammonia+Organic Nitrogen, Dissolved	mg/L	19	26	<0.06	0.4	0.52	0.88	1.75
Ammonia, Dissolved (as N)	mg/L	19	26	<0.01	0.065	0.14	0.335	1.4
Nitrate+Nitrite, Dissolved (as N)	mg/L	19	26	<0.02	<0.02	0.05	0.485	6.9
Orthophosphate, Dissolved (as P)	mg/L	8	8	<0.008	0.0615	0.139	0.54	1.8
Phosphorus, Dissolved (as P)	mg/L	19	26	<0.02	0.071	0.21	0.56	2.2
Silica, Dissolved	mg/L	19	26	4.6	7.7	12	18	42

Table 48. Southwest Florida Reporting Unit D - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	14	25	0.03	0.17	0.295	0.6	3.505
Specific Conductance, Field	uS/cm	14	25	40.1	383	502.25	1052	3500
Temperature	°C	14	25	24	24.8	25.35	25.9	26.9
pH, Field	s.u.	14	25	4.83	7.3	7.605	7.77	9.96
Alkalinity, Dissolved (as CaCO3)	mg/L	14	25	1	103	139	203	291
Calcium, Dissolved	mg/L	14	25	0.9	26.4	40	76	130
Chloride, Dissolved	mg/L	13	23	4.5	6.5	13	60.5	250
Fluoride, Dissolved	mg/L	14	24	<0.1	0.47	0.95	1.2	2.2
Magnesium, Dissolved	mg/L	14	25	0.2	9.1	16.65	38	72
Organic Carbon, Total	mg/L	9	13	<1	2.4	2.4	3.7	6.1
Potassium, Dissolved	mg/L	14	25	0.75	1.6	3.05	3.99	12
Sodium, Dissolved	mg/L	14	25	4.1	8.62	33	70	330
Sulfate, Dissolved	mg/L	13	23	<0.2	2.6	18	92	200
Sulfide, Total	mg/L	5	5	<0.07	<0.07	<0.07	0.3	0.5
Turbidity	ntu	12	16	0.15	2.35	5.35	9.7	52
Aluminum, Dissolved	ug/L	14	25	<20	<20	<20	<20	40
Aluminum, Total	ug/L	14	25	<60	<60	<60	60	599.5
Antimony, Total	ug/L	9	13	<3	<3	<3	<3	<3
Arsenic, Total	ug/L	14	25	<2	<2	<2	2.3	11.7
Barium, Dissolved	ug/L	14	25	<0.5	6.3	21.4	30.1	79.2
Barium, Total	ug/L	14	25	0.6	6.65	24.15	30	85
Beryllium, Total	ug/L	9	13	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	14	25	<1	<1	<1	<1	1.1
Chromium, Total	ug/L	14	25	<5	<5	<5	<5	5
Copper, Dissolved	ug/L	14	25	<10	<10	<10	<10	10
Copper, Total	ug/L	14	25	<10	<10	<10	10	32.3
Iron, Dissolved	ug/L	14	25	<3	5	14.5	64	1173.5
Iron, Total	ug/L	14	25	10	90	598	1555	5850
Lead, Dissolved	ug/L	14	25	<1	<1	<1	1	3.25
Lead, Total	ug/L	14	25	<2	<2	8.8	46.1	410
Manganese, Dissolved	ug/L	14	25	<1	1	4	14	57
Manganese, Total	ug/L	14	25	<1	1.4	10.5	31.1	281
Mercury, Total	ug/L	14	25	<0.1	<0.1	<0.1	<0.1	0.1
Nickel, Total	ug/L	14	25	<10	<10	<10	<10	10
Selenium, Total	ug/L	9	13	<1	<1	<1	<1	5.1
Silver, Total	ug/L	14	25	<1	<1	<1	<1	1.3

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Strontium, Dissolved	ug/L	14	25	20	171	1515	12100	24000
Strontium, Total	ug/L	14	25	20	183	1567.5	12750	23000
Thallium, Total	ug/L	9	13	<2	<2	<2	<2	<2
Vanadium, Total	ug/L	9	13	<2	<2	<2	<2	<2
Zinc, Dissolved	ug/L	14	25	<4	<4	<4	<4	126
Zinc, Total	ug/L	14	25	<10	<10	<10	18	131
Ammonia+Organic Nitrogen, Dissolved	mg/L	14	25	<0.2	<0.2	0.4125	0.48	0.7
Ammonia, Dissolved (as N)	mg/L	14	25	0.013	0.12	0.305	0.48	0.59
Nitrate+Nitrite, Dissolved (as N)	mg/L	14	25	<0.02	<0.02	<0.02	0.04	0.055
Orthophosphate, Dissolved (as P)	mg/L	5	5	<0.02	<0.02	<0.02	<0.02	0.82
Phosphorus, Dissolved (as P)	mg/L	14	24	<0.02	<0.02	<0.02	<0.02	0.84
Silica, Dissolved	mg/L	14	23	0.84	17	21.5	34	56

Table 49. Southwest Florida Reporting Unit D - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	14	24	0.02	0.09	0.4025	0.63	2.23
Specific Conductance, Field	uS/cm	14	24	226	354	477	954.5	1200
Temperature	°C	14	24	23.4	25.4	26.4	27.6	30.2
pH, Field	s.u.	14	24	7.11	7.44	7.525	7.89	8.5
Alkalinity, Dissolved (as CaCO3)	mg/L	14	24	87	133	150.5	173	223
Calcium, Dissolved	mg/L	14	24	20	44.3	52.4	79	115
Chloride, Dissolved	mg/L	14	23	5.8	9.4	15.5	46	96
Fluoride, Dissolved	mg/L	14	23	0.1	0.3	0.555	0.9	1.75
Magnesium, Dissolved	mg/L	14	24	6.49	11.4	18.6	43	58
Organic Carbon, Total	mg/L	7	9	<1	<1	1.5	3.1	4.4
Potassium, Dissolved	mg/L	14	24	1	1.21	3.1	3.95	5
Sodium, Dissolved	mg/L	14	24	4.7	8.66	10.35	35	59
Sulfate, Dissolved	mg/L	14	23	<0.2	6.5	75.5	280	370
Sulfide, Total	mg/L	6	8	<0.07	0.13	0.155	0.26	2.9
Turbidity	ntu	13	22	0.1	1.1	1.9	2.9	18

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	14	24	<20	<20	<20	20	32
Aluminum, Total	ug/L	14	24	<30	<30	<30	44	193
Antimony, Total	ug/L	7	9	<1	<1	<1	<1	<1
Arsenic, Total	ug/L	14	24	<2	<2	<2	<2	4
Barium, Dissolved	ug/L	14	24	6	18.5	24.5	47	140
Barium, Total	ug/L	14	24	6	17.8	27.5	64	130
Beryllium, Total	ug/L	7	9	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	14	24	<1	<1	<1	<1	1.1
Chromium, Total	ug/L	14	24	<5	<5	<5	<5	5
Copper, Dissolved	ug/L	14	24	<10	<10	<10	<10	10
Copper, Total	ug/L	14	24	<10	<10	<10	10	20
Iron, Dissolved	ug/L	14	24	<3	6	8	119	417
Iron, Total	ug/L	14	24	5	32.5	161.5	350	2920
Lead, Dissolved	ug/L	13	23	<2	<2	<2	<2	4
Lead, Total	ug/L	14	24	<1	<1	3.1	11.4	92
Manganese, Dissolved	ug/L	14	24	<1	1	2.55	15	24
Manganese, Total	ug/L	14	24	<1	1.2	2.6	17	31
Mercury, Total	ug/L	14	24	<0.1	<0.1	<0.1	<0.1	0.1
Nickel, Total	ug/L	14	24	<10	<10	<10	<10	10
Selenium, Total	ug/L	7	9	<1	<1	<1	<1	<1
Silver, Total	ug/L	14	24	<1	<1	<1	1.525	3
Strontium, Dissolved	ug/L	14	24	92	333	10100	16000	42000
Strontium, Total	ug/L	14	24	88	346	10100	16000	42000
Thallium, Total	ug/L	7	9	<0.07	<0.07	<0.07	<0.07	0.1
Vanadium, Total	ug/L	7	9	<4	<4	<4	<4	<4
Zinc, Dissolved	ug/L	14	24	<4	<4	<4	5	10
Zinc, Total	ug/L	14	24	<4	<4	7.5	30	35
Ammonia+Organic Nitrogen, Dissolved	mg/L	14	24	0.18	0.24	0.35	0.5	1.8
Ammonia, Dissolved (as N)	mg/L	14	24	0.13	0.14	0.28	0.37	1.7
Nitrate+Nitrite, Dissolved (as N)	mg/L	14	24	<0.02	<0.02	0.022	0.06	0.53
Orthophosphate, Dissolved (as P)	mg/L	6	8	<0.02	0.021	0.0485	0.081	0.45
Phosphorus, Dissolved (as P)	mg/L	14	23	<0.02	<0.02	<0.02	0.047	0.47
Silica, Dissolved	mg/L	14	24	11	16	19	21	24

South Florida Reporting Unit A

A map of wells in South Florida Reporting Unit A is presented as Figure 20. Results are presented in Table 50 - Table 51.

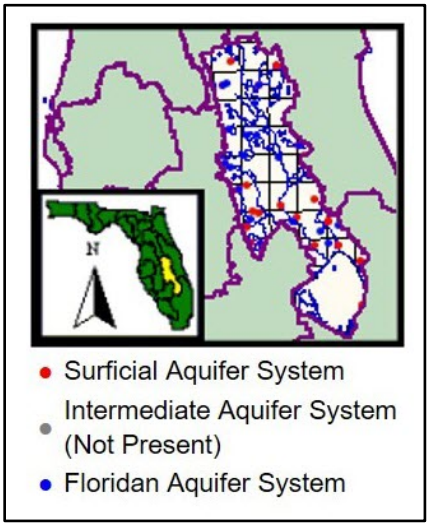

Figure 20. Map of wells in South Florida Reporting Unit A.

Table 50. South Florida Reporting Unit A - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	19	23	0.01	0.1825	0.37	1.5525	7.54
Specific Conductance, Field	uS/cm	19	24	30	146.9	391	626.5	828
Temperature	°C	19	24	22.7	23.875	24.2	25.895	27.3
pH, Field	s.u.	19	24	4.17	5.45	6.15	7.05	7.19
Alkalinity, Dissolved (as CaCO3)	mg/L	19	24	<1	16.8	120	257.75	336
Calcium, Dissolved	mg/L	19	24	1.1	7.925	41.69	81	111
Chloride, Dissolved	mg/L	19	24	4.2	7.925	20	42.5	110.5
Fluoride, Dissolved	mg/L	19	24	<0.1	<0.1	0.11	0.22	0.55
Magnesium, Dissolved	mg/L	19	24	0.3	2.34	6.16	7.295	13.57
Organic Carbon, Total	mg/L	16	18	2.6	6.85	10.4	14	28
Potassium, Dissolved	mg/L	19	24	0.3	1.13	1.85	2.55	25
Sodium, Dissolved	mg/L	19	24	2.1	4.145	16.1	26.9	71.95
Sulfate, Dissolved	mg/L	19	24	<0.2	0.52	1.7	8.1	71
Sulfide, Total	mg/L	16	18	<0.05	<0.05	0.115	0.74	3.07

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Turbidity	ntu	19	23	1.7	5.2	10	29.5	280
Aluminum, Dissolved	ug/L	19	23	<30	<30	38	96.25	915
Aluminum, Total	ug/L	19	23	<35	62	252	578	3093
Antimony, Total	ug/L	16	18	<3	<3	<3	<3	<3
Arsenic, Total	ug/L	19	23	<3	<3	<3	<3	3.75
Barium, Dissolved	ug/L	19	23	2.85	7.45	13	17.5	72.2
Barium, Total	ug/L	19	23	4.2	6.9	13.1	18.75	69.6
Beryllium, Total	ug/L	16	18	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	19	23	<1	<1	<1	<1	1
Chromium, Total	ug/L	19	23	<5	<5	<5	<5	5
Copper, Dissolved	ug/L	19	23	<10	<10	<10	<10	10
Copper, Total	ug/L	19	23	<10	<10	<10	<10	10
Iron, Dissolved	ug/L	19	24	<3	72	146	497.5	12100
Iron, Total	ug/L	19	23	60	236.5	448	2952	26650
Lead, Dissolved	ug/L	16	20	<3	<3	<3	<3	8.5
Lead, Total	ug/L	19	23	<2	<2	<2	5.225	95.5
Manganese, Dissolved	ug/L	19	23	<2	3.85	8	38.85	300.5
Manganese, Total	ug/L	19	23	1	4.75	12	47.2	280
Mercury, Total	ug/L	19	23	<0.1	<0.1	<0.1	<0.1	0.16
Nickel, Total	ug/L	19	23	<10	<10	<10	<10	10
Selenium, Total	ug/L	16	18	<2	<2	<2	<2	<2
Silver, Total	ug/L	19	23	<1	<1	<1	<1	1.4
Strontium, Dissolved	ug/L	19	23	13	45	440	583.25	731
Strontium, Total	ug/L	19	23	10	41	380	559.5	656
Thallium, Total	ug/L	16	18	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	16	18	<4	<4	<4	<4	9.5
Zinc, Dissolved	ug/L	19	23	<2	<2	3	6.75	25
Zinc, Total	ug/L	19	23	<10	<10	<10	12	98.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	19	23	0.21	0.6125	0.73	1.05	3.25
Ammonia, Dissolved (as N)	mg/L	19	23	0.01	0.315	0.44	0.775	1.98
Nitrate+Nitrite, Dissolved (as N)	mg/L	19	24	<0.02	<0.02	<0.02	0.059	25.01
Orthophosphate, Dissolved (as P)	mg/L	16	18	<0.004	0.025	0.0565	0.205	1.6
Phosphorus, Dissolved (as P)	mg/L	19	23	0.007	0.0235	0.073	0.24	8.531
Silica, Dissolved	mg/L	19	23	1.8	5.55	13	22	38

Table 51. South Florida Reporting Unit A - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum value
Oxygen, Dissolved, Field	mg/L	16	20	0.1	0.835	2.1775	5.9525	10
Specific Conductance, Field	uS/cm	16	20	145	194.5	280.25	646	1671
Temperature	°C	16	20	18.2	23.475	25.05	26.1	26.4
pH, Field	s.u.	16	20	6.93	7.5025	7.7	7.92	8.37
Alkalinity, Dissolved (as CaCO3)	mg/L	16	20	58	81.875	114.45	159	266
Calcium, Dissolved	mg/L	16	20	13	18.8	32.325	50.525	70
Chloride, Dissolved	mg/L	15	19	5	6.625	7.8	52.5	420
Fluoride, Dissolved	mg/L	15	19	<0.1	0.1625	0.3	0.525	2.1
Magnesium, Dissolved	mg/L	16	20	3.6	5.13	6.935	17.705	40.8
Organic Carbon, Total	mg/L	14	18	<1	1.7	2.5	3.4	6.4
Potassium, Dissolved	mg/L	16	20	0.64	0.925	1.895	6.205	35.82
Sodium, Dissolved	mg/L	16	20	3.58	4.885	6.1	36.8	206
Sulfate, Dissolved	mg/L	15	19	<0.2	1.125	5	68	220
Sulfide, Total	mg/L	13	17	<0.07	<0.07	0.15	1	6.3
Turbidity	ntu	15	19	<0.05	0.425	2.5	6.95	24
Aluminum, Dissolved	ug/L	16	20	<30	<30	<30	<30	37.5
Aluminum, Total	ug/L	16	20	<30	<30	<30	83	1640
Antimony, Total	ug/L	14	18	<2	<2	<2	<2	<2
Arsenic, Total	ug/L	16	20	<4	<4	<4	<4	<4
Barium, Dissolved	ug/L	16	20	3.8	12.65	20.35	36.2	123
Barium, Total	ug/L	16	20	5.6	11.95	20.4	35.5	118
Beryllium, Total	ug/L	14	18	<1	<1	<1	<1	<1
Cadmium, Total	ug/L	16	20	<1	<1	<1	<1	<1
Chromium, Total	ug/L	16	20	<5	<5	<5	<5	13.4
Copper, Dissolved	ug/L	16	20	<10	<10	<10	<10	<10
Copper, Total	ug/L	16	20	<10	<10	<10	13	62
Iron, Dissolved	ug/L	16	20	<4	<4	6.75	230	2000
Iron, Total	ug/L	16	20	7	42.75	155	982.25	6470
Lead, Dissolved	ug/L	12	13	<2	<2	<2	<2	10
Lead, Total	ug/L	16	20	<1	<1	<1	23.07	109.25
Manganese, Dissolved	ug/L	16	20	<2	<2	<2	8.5625	35
Manganese, Total	ug/L	16	20	<2	<2	<2	12.7	56
Mercury, Total	ug/L	16	20	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	16	20	<10	<10	<10	<10	<10
Selenium, Total	ug/L	14	18	<2	<2	<2	<2	<2

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum value
Silver, Total	ug/L	16	20	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	16	20	73.5	499.25	917.75	7127.5	16300
Strontium, Total	ug/L	16	20	68.5	476.25	910.5	6607.5	16700
Thallium, Total	ug/L	14	18	<0.1	<0.1	<0.1	<0.1	0.11
Vanadium, Total	ug/L	14	18	<4	<4	<4	<4	9
Zinc, Dissolved	ug/L	16	20	<2	<2	<2	2.5	38
Zinc, Total	ug/L	16	20	<10	<10	<10	33.5	239
Ammonia+Organic Nitrogen, Dissolved	mg/L	16	20	0.064	0.245	0.39	0.4325	2.4
Ammonia, Dissolved (as N)	mg/L	16	20	0.045	0.165	0.2838	0.39	2.3
Nitrate+Nitrite, Dissolved (as N)	mg/L	16	20	<0.02	<0.02	<0.02	0.024	2.702
Orthophosphate, Dissolved (as P)	mg/L	13	17	<0.02	<0.02	<0.02	0.022	0.071
Phosphorus, Dissolved (as P)	mg/L	15	19	<0.02	<0.02	<0.02	<0.02	0.077
Silica, Dissolved	mg/L	15	19	6.85	11.75	13	19.725	33

South Florida Reporting Unit B

A map of wells in South Florida Reporting Unit B is presented as Figure 21. Results are presented in Table 52 - Table 54.

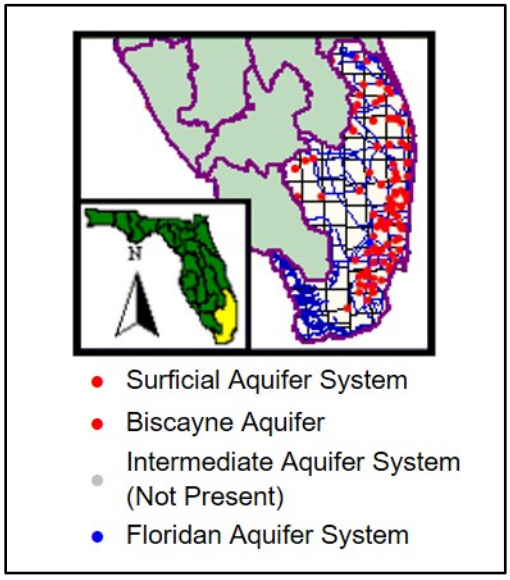

Figure 21. Map of wells in South Florida Reporting Unit B.

Table 52. South Florida Reporting Unit B - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	21	53	0.03	0.235	0.325	0.425	0.845
Specific Conductance, Field	uS/cm	26	60	392	594	708.5	1064	3564.5
Temperature	°C	26	60	23.58	24.4	25.025	25.5	29.5
pH, Field	s.u.	26	60	6.165	6.81	6.995	7.1	7.47
Alkalinity, Dissolved (as CaCO3)	mg/L	26	60	92.25	216	304.5	373	453.5
Calcium, Dissolved	mg/L	26	60	66.7	78.1	95.125	110	202
Chloride, Dissolved	mg/L	26	60	8	26	48.7	130	913.5
Fluoride, Dissolved	mg/L	26	60	<0.1	0.17	0.24	0.35	0.75
Magnesium, Dissolved	mg/L	26	60	1	3.5	7.0475	25	52.95
Organic Carbon, Total	mg/L	21	53	<1	10	12.9	18	48.5
Potassium, Dissolved	mg/L	26	60	0.58	1.1	2.215	6.03	22.4
Sodium, Dissolved	mg/L	26	60	7.4	18	29.25	83	584
Sulfate, Dissolved	mg/L	26	60	<0.2	2.3	6.325	20.92	470

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfide, Total	mg/L	21	53	<0.05	0.06	0.7125	3.6	9.6
Turbidity	ntu	26	60	1.4	6.5	18.5	37.5	150
Aluminum, Dissolved	ug/L	26	60	<30	<30	<30	<30	366
Aluminum, Total	ug/L	26	60	40	68.5	180	419	9259.5
Antimony, Total	ug/L	21	53	<4	<4	<4	<4	<4
Arsenic, Total	ug/L	26	60	<4	<4	<4	<4	10.25
Barium, Dissolved	ug/L	26	60	9	11.65	17.1	24.45	72.5
Barium, Total	ug/L	26	60	9.05	13	19.125	33.8	74.55
Beryllium, Total	ug/L	21	53	<3	<3	<3	<3	<3
Cadmium, Total	ug/L	26	60	<1	<1	<1	<1	<1
Chromium, Total	ug/L	26	60	<5	<5	<5	<5	37.7
Copper, Dissolved	ug/L	25	58	<10	<10	<10	<10	<10
Copper, Total	ug/L	26	60	<10	<10	<10	<10	21
Iron, Dissolved	ug/L	26	60	<4	17	128	518.5	2830
Iron, Total	ug/L	26	60	31	157	484.75	1300	9218
Lead, Dissolved	ug/L	26	56	<1	<1	<1	<1	2.09
Lead, Total	ug/L	26	60	<2	<2	4.7875	10.65	75
Manganese, Dissolved	ug/L	26	60	<2	5	9.25	14	54
Manganese, Total	ug/L	26	60	<2	4.4	11.5	16.25	132.5
Mercury, Total	ug/L	26	60	<0.1	<0.1	<0.1	<0.1	0.11
Nickel, Total	ug/L	26	60	<10	<10	<10	<10	11
Selenium, Total	ug/L	22	54	<5	<5	<5	<5	5.3
Silver, Total	ug/L	26	60	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	26	60	190	495	815.5	1223.5	2670
Strontium, Total	ug/L	26	60	190	485	834	1292.5	3260
Thallium, Total	ug/L	21	53	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	21	53	<4	<4	<4	<4	27
Zinc, Dissolved	ug/L	26	60	<4	<4	<4	5	27
Zinc, Total	ug/L	26	60	<10	<10	10.75	22	395
Ammonia+Organic Nitrogen, Dissolved	mg/L	26	60	0.3	0.98	1.2	2.3	6.4
Ammonia, Dissolved (as N)	mg/L	26	60	0.085	0.36	0.65	0.925	5.25
Nitrate+Nitrite, Dissolved (as N)	mg/L	26	60	<0.02	<0.02	<0.02	<0.02	0.03
Orthophosphate, Dissolved (as P)	mg/L	21	53	0.0085	0.019	0.071	0.144	1.818
Phosphorus, Dissolved (as P)	mg/L	26	60	<0.02	0.02	0.0763	0.1445	2.177
Silica, Dissolved	mg/L	26	60	5	11	14	20.5	51

Table 53. South Florida Reporting Unit B - Biscayne Aquifer - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	11	32	0.22	0.285	0.35	0.665	2.45
Specific Conductance, Field	uS/cm	13	63	464	531	594	707	970
Temperature	°C	13	63	23.4	24.59	25.2	25.7	26.6
pH, Field	s.u.	13	62	6.7	6.9	7.07	7.16	7.22
Alkalinity, Dissolved (as CaCO3)	mg/L	13	62	184	210	220	255	317
Calcium, Dissolved	mg/L	13	62	78	86	90.5	101	110
Chloride, Dissolved	mg/L	13	62	16	25.5	34	50	170
Fluoride, Dissolved	mg/L	13	62	<0.1	0.1	0.2	0.2	0.3
Magnesium, Dissolved	mg/L	13	62	2.2	2.7	3.2	6.1	13.4
Organic Carbon, Total	mg/L	0	0	NSD	NSD	NSD	NSD	NSD
Potassium, Dissolved	mg/L	13	62	1	1.8	2.8	3.5	6.3
Sodium, Dissolved	mg/L	13	62	8.3	14	21.5	33	77
Sulfate, Dissolved	mg/L	13	62	<0.2	0.4	20	21	33
Sulfide, Total	mg/L	0	0	NSD	NSD	NSD	NSD	NSD
Turbidity	ntu	13	60	<0.6	3	8.7	22.1	50
Aluminum, Dissolved	ug/L	13	60	<20	<20	<20	<20	<20
Aluminum, Total	ug/L	13	60	30	50	75	105	180
Antimony, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Arsenic, Total	ug/L	13	60	<1	<1	<1	1.2	2
Barium, Dissolved	ug/L	13	60	6.5	10	16	19	36
Barium, Total	ug/L	13	60	7.7	13	17	21	38.5
Beryllium, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Cadmium, Total	ug/L	13	60	<1	<1	<1	<1	<1
Chromium, Total	ug/L	13	60	<5	<5	<5	<5	<5
Copper, Dissolved	ug/L	13	60	<10	<10	<10	<10	<10
Copper, Total	ug/L	13	60	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	13	62	5.25	320	550	800	5000
Iron, Total	ug/L	13	60	68	1200	1380	3700	9100
Lead, Dissolved	ug/L	13	60	<1	<1	<1	<1	1.75
Lead, Total	ug/L	13	60	2.6	8.2	14	20.95	27.5
Manganese, Dissolved	ug/L	13	60	1.5	8.5	14.5	18	48
Manganese, Total	ug/L	13	60	4	14	18	23	73
Mercury, Total	ug/L	13	60	<0.1	<0.1	<0.1	0.1	0.1
Nickel, Total	ug/L	13	60	<10	<10	<10	<10	12.5

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Selenium, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Silver, Total	ug/L	13	60	<1	<1	<1	<1	1.2
Strontium, Dissolved	ug/L	13	60	560	745	850	980	1100
Strontium, Total	ug/L	13	60	560	740	870	995	1150
Thallium, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Vanadium, Total	ug/L	0	0	NSD	NSD	NSD	NSD	NSD
Zinc, Dissolved	ug/L	13	60	<4	<4	5	7	14
Zinc, Total	ug/L	13	60	<4	10	12	19	58
Ammonia+Organic Nitrogen, Dissolved	mg/L	13	60	<0.2	0.385	0.94	1.55	2.7
Ammonia, Dissolved (as N)	mg/L	13	60	0.01	0.12	0.445	0.58	1.9
Nitrate+Nitrite, Dissolved (as N)	mg/L	13	62	<0.02	0.02	0.07	0.25	1.8
Orthophosphate, Dissolved (as P)	mg/L	0	0	NSD	NSD	NSD	NSD	NSD
Phosphorus, Dissolved (as P)	mg/L	13	60	<0.02	<0.02	<0.02	0.05	0.13
Silica, Dissolved	mg/L	13	60	2.3	3.6	6	7.7	11

Table 54. South Florida Reporting Unit B - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	3	4	2.36	NSD	NSD	NSD	10
Specific Conductance, Field	uS/cm	3	4	1584	NSD	NSD	NSD	4128
Temperature	°C	3	4	23.77	NSD	NSD	NSD	27.1
pH, Field	s.u.	3	4	7.52	NSD	NSD	NSD	7.69
Alkalinity, Dissolved (as CaCO3)	mg/L	4	6	113	NSD	NSD	NSD	187
Calcium, Dissolved	mg/L	4	6	53	NSD	NSD	NSD	108.5
Chloride, Dissolved	mg/L	4	6	328	NSD	NSD	NSD	1450
Fluoride, Dissolved	mg/L	4	6	0.69	NSD	NSD	NSD	0.96
Magnesium, Dissolved	mg/L	4	6	47	NSD	NSD	NSD	130
Organic Carbon, Total	mg/L	4	6	1.35	NSD	NSD	NSD	2.5
Potassium, Dissolved	mg/L	4	6	10	NSD	NSD	NSD	35
Sodium, Dissolved	mg/L	4	6	184	NSD	NSD	NSD	892
Sulfate, Dissolved	mg/L	4	6	140	NSD	NSD	NSD	470

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfide, Total	mg/L	4	6	1	NSD	NSD	NSD	9.8
Turbidity	ntu	4	6	<0.05	NSD	NSD	NSD	9.625
Aluminum, Dissolved	ug/L	4	6	<40	NSD	NSD	NSD	<40
Aluminum, Total	ug/L	4	6	<75	NSD	NSD	NSD	151
Antimony, Total	ug/L	4	6	<2	NSD	NSD	NSD	<2
Arsenic, Total	ug/L	4	6	<8	NSD	NSD	NSD	<8
Barium, Dissolved	ug/L	4	6	14.35	NSD	NSD	NSD	44.2
Barium, Total	ug/L	4	6	17	NSD	NSD	NSD	43
Beryllium, Total	ug/L	4	6	<3	NSD	NSD	NSD	<3
Cadmium, Total	ug/L	4	6	<0.4	NSD	NSD	NSD	<0.4
Chromium, Total	ug/L	4	6	<8	NSD	NSD	NSD	10.5
Copper, Dissolved	ug/L	4	6	<10	NSD	NSD	NSD	<10
Copper, Total	ug/L	4	6	<10	NSD	NSD	NSD	<10
Iron, Dissolved	ug/L	4	6	<4	NSD	NSD	NSD	59
Iron, Total	ug/L	4	6	<60	NSD	NSD	NSD	1960
Lead, Dissolved	ug/L	1	2	0.25	NSD	NSD	NSD	0.25
Lead, Total	ug/L	4	6	<3	NSD	NSD	NSD	10.55
Manganese, Dissolved	ug/L	4	6	<2	NSD	NSD	NSD	4.5
Manganese, Total	ug/L	4	6	<2	NSD	NSD	NSD	29
Mercury, Total	ug/L	4	6	<0.1	NSD	NSD	NSD	<0.1
Nickel, Total	ug/L	4	6	<20	NSD	NSD	NSD	<20
Selenium, Total	ug/L	4	6	<5	NSD	NSD	NSD	11.65
Silver, Total	ug/L	4	6	<0.3	NSD	NSD	NSD	<0.3
Strontium, Dissolved	ug/L	4	6	6220	NSD	NSD	NSD	16450
Strontium, Total	ug/L	4	6	6220	NSD	NSD	NSD	15750
Thallium, Total	ug/L	4	6	<0.3	NSD	NSD	NSD	1.145
Vanadium, Total	ug/L	4	6	<10	NSD	NSD	NSD	<10
Zinc, Dissolved	ug/L	4	6	<4	NSD	NSD	NSD	11
Zinc, Total	ug/L	4	6	<10	NSD	NSD	NSD	97.5
Ammonia+Organic Nitrogen, Dissolved	mg/L	4	6	0.52	NSD	NSD	NSD	1.6
Ammonia, Dissolved (as N)	mg/L	4	6	0.21	NSD	NSD	NSD	1.1
Nitrate+Nitrite, Dissolved (as N)	mg/L	4	6	<0.02	NSD	NSD	NSD	<0.02
Orthophosphate, Dissolved (as P)	mg/L	4	6	<0.02	NSD	NSD	NSD	0.021
Phosphorus, Dissolved (as P)	mg/L	4	6	<0.004	NSD	NSD	NSD	0.011
Silica, Dissolved	mg/L	4	6	12	NSD	NSD	NSD	20

South Florida Reporting Unit C

A map of wells in South Florida Reporting Unit C is presented as Figure 22. Results are presented in Table 55 - Table 56.

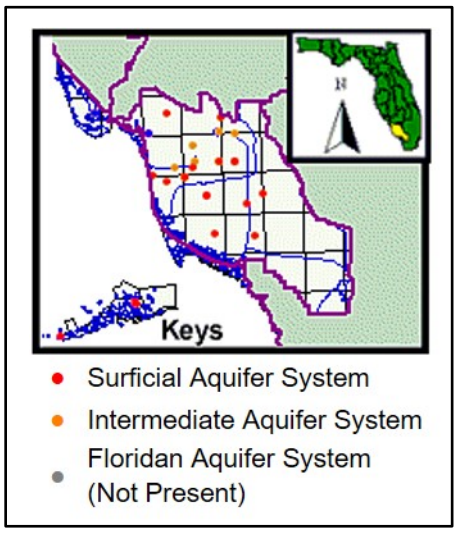

Figure 22. Map of wells in South Florida Reporting Unit C.

Table 55. South Florida Reporting Unit C - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	12	16	0.2	0.23	0.26	0.44	8.46
Specific Conductance, Field	uS/cm	12	16	420	500.5	622	873.5	4983
Temperature	°C	12	16	23.4	24.9	25.55	27	27.97
pH, Field	s.u.	12	16	6.45	6.705	6.8725	6.985	7.375
Alkalinity, Dissolved (as CaCO3)	mg/L	13	17	160	195	233	281	350
Calcium, Dissolved	mg/L	13	17	59	91.2	99.7	120	407
Chloride, Dissolved	mg/L	13	17	4	9.8	22	41	17000
Fluoride, Dissolved	mg/L	13	17	<0.1	0.105	0.17	0.23	1.4
Magnesium, Dissolved	mg/L	13	17	1.19	3.52	4.65	9.8	1190
Organic Carbon, Total	mg/L	13	16	3	5.6	7.8	15	30
Potassium, Dissolved	mg/L	13	17	0.35	0.64	1.31	3.035	374
Sodium, Dissolved	mg/L	13	17	2.08	5.48	13.3	33.45	9970
Sulfate, Dissolved	mg/L	13	17	<0.2	2	6.05	22	2400
Sulfide, Total	mg/L	13	16	<0.08	<0.08	<0.08	<0.08	2.5625

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Turbidity	ntu	13	16	1.3	4	12	18	110
Aluminum, Dissolved	ug/L	13	16	<20	<20	<20	<20	652
Aluminum, Total	ug/L	13	16	<150	<150	<150	<150	14300
Antimony, Total	ug/L	13	16	<1	<1	<1	<1	<1
Arsenic, Total	ug/L	13	16	<2	<2	<2	<2	15
Barium, Dissolved	ug/L	13	16	4.5	13.2	18.5	20.2	29.1
Barium, Total	ug/L	13	16	4.1	14.1	18	20.7	41.8
Beryllium, Total	ug/L	13	16	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	13	16	<0.08	<0.08	<0.08	0.1	0.995
Chromium, Total	ug/L	13	16	<4	<4	<4	<4	50.7
Copper, Dissolved	ug/L	13	16	<3	<3	<3	<3	6.9
Copper, Total	ug/L	13	16	<3	<3	<3	<3	10
Iron, Dissolved	ug/L	13	17	23	181	690	1540	3150
Iron, Total	ug/L	13	16	66	658	1760	3080	6080
Lead, Dissolved	ug/L	13	16	<0.5	<0.5	<0.5	<0.5	1.05
Lead, Total	ug/L	13	16	0.1	0.4	0.64	6.19	27.75
Manganese, Dissolved	ug/L	13	16	<1	4	10	17	41
Manganese, Total	ug/L	13	16	<1	7	11	19	37
Mercury, Total	ug/L	13	16	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	13	16	<8	<8	<8	<8	13
Selenium, Total	ug/L	13	16	<1	<1	<1	<1	3
Silver, Total	ug/L	13	16	<0.08	<0.08	<0.08	<0.08	0.12
Strontium, Dissolved	ug/L	13	16	82	190	334	525	7850
Strontium, Total	ug/L	13	16	82	188	311	507	7630
Thallium, Total	ug/L	13	16	<0.05	<0.05	<0.05	<0.05	0.24
Vanadium, Total	ug/L	13	16	<4	<4	<4	4.5	60
Zinc, Dissolved	ug/L	13	16	<2	<2	2	16	1330
Zinc, Total	ug/L	13	16	<6	<6	7	38	1796
Ammonia+Organic Nitrogen, Dissolved	mg/L	13	16	0.21	0.67	1	1.1	4
Ammonia, Dissolved (as N)	mg/L	13	16	0.018	0.24	0.32	0.59	1.5
Nitrate+Nitrite, Dissolved (as N)	mg/L	13	17	<0.025	<0.025	<0.025	0.06	0.34
Orthophosphate, Dissolved (as P)	mg/L	13	16	<0.02	<0.02	<0.02	0.024	0.91
Phosphorus, Dissolved (as P)	mg/L	13	16	<0.004	<0.004	0.0135	0.04	1.1
Silica, Dissolved	mg/L	13	16	2	5.1	7.4	8.6	16.5

Table 56. South Florida Reporting Unit C - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	8	12	0.01	0.135	0.255	1.035	4.52
Specific Conductance, Field	uS/cm	8	12	647	687.5	878.5	1902.5	2600
Temperature	°C	8	12	24.48	24.7	25.045	25.495	26.04
pH, Field	s.u.	8	12	6.8	7.225	7.295	7.505	7.86
Alkalinity, Dissolved (as CaCO3)	mg/L	8	12	142	183	244.5	270.5	330
Calcium, Dissolved	mg/L	8	12	33.6	49.1	58.6	77.9	108
Chloride, Dissolved	mg/L	8	12	30	63.5	114	385	660
Fluoride, Dissolved	mg/L	8	12	0.21	0.375	0.575	0.62	1.2
Magnesium, Dissolved	mg/L	8	12	15.8	19.8	23.25	41.85	74.5
Organic Carbon, Total	mg/L	8	12	1.3	3.05	4	7.5	19
Potassium, Dissolved	mg/L	8	12	3.3	5.52	9.43	18.8	30.7
Sodium, Dissolved	mg/L	8	12	30	37.65	69.2	257.5	326
Sulfate, Dissolved	mg/L	8	12	3.1	6.85	17.5	91.5	190
Sulfide, Total	mg/L	8	12	0.39	0.795	1.55	2.6	3.3
Turbidity	ntu	8	12	<0.05	1.275	4.9	8.25	10
Aluminum, Dissolved	ug/L	8	12	<20	<20	<20	<20	<20
Aluminum, Total	ug/L	8	12	<30	<30	<30	36.5	222
Antimony, Total	ug/L	8	12	<2	<2	<2	<2	<2
Arsenic, Total	ug/L	8	12	<4	<4	<4	<4	<4
Barium, Dissolved	ug/L	8	12	6.6	13.25	16.65	40.2	67.1
Barium, Total	ug/L	8	12	7.6	12.3	16.45	40.65	69.5
Beryllium, Total	ug/L	8	12	<1	<1	<1	<1	<1
Cadmium, Total	ug/L	8	12	<0.2	<0.2	<0.2	<0.2	0.2
Chromium, Total	ug/L	8	12	<4	<4	<4	<4	<4
Copper, Dissolved	ug/L	8	12	<5	<5	<5	<5	<5
Copper, Total	ug/L	8	12	<4	<4	<4	<4	<4
Iron, Dissolved	ug/L	8	12	5	6	16.5	29.5	79
Iron, Total	ug/L	8	12	9	18.5	48.5	1251.5	2760
Lead, Dissolved	ug/L	7	9	<0.5	<0.5	<0.5	<0.5	2.355
Lead, Total	ug/L	8	12	<1	<1	1.71	6.525	13.2
Manganese, Dissolved	ug/L	8	12	<1	<1	1	6	19
Manganese, Total	ug/L	8	12	<2	<2	2	8	38
Mercury, Total	ug/L	8	12	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	8	12	<8	<8	<8	<8	<8
Selenium, Total	ug/L	8	12	<1	<1	<1	2	4

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Silver, Total	ug/L	8	12	<0.1	<0.1	<0.1	<0.1	<0.1
Strontium, Dissolved	ug/L	8	12	372	441	601.5	727.5	7730
Strontium, Total	ug/L	8	12	351	414	595.5	658.5	8050
Thallium, Total	ug/L	8	12	<0.1	<0.1	<0.1	<0.1	<0.1
Vanadium, Total	ug/L	8	12	<4	<4	<4	<4	<4
Zinc, Dissolved	ug/L	8	12	<2	<2	<2	<2	<2
Zinc, Total	ug/L	8	12	<6	<6	6.5	37	145
Ammonia+Organic Nitrogen, Dissolved	mg/L	8	12	0.24	0.435	0.705	0.955	1.7
Ammonia, Dissolved (as N)	mg/L	8	12	0.16	0.22	0.265	0.595	0.65
Nitrate+Nitrite, Dissolved (as N)	mg/L	8	12	<0.025	<0.025	<0.025	0.0295	0.09
Orthophosphate, Dissolved (as P)	mg/L	8	12	<0.004	<0.004	0.0055	0.0075	0.094
Phosphorus, Dissolved (as P)	mg/L	8	12	<0.004	<0.004	<0.004	0.0085	0.07
Silica, Dissolved	mg/L	8	12	16	20.5	25.5	34.5	69

South Florida Reporting Unit D

A map of wells in South Florida Reporting Unit D is presented as Figure 23. Results are presented in Table 57 - Table 59.

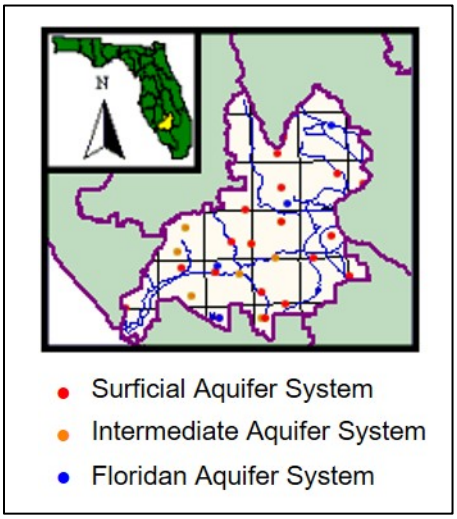

Figure 23. Map of wells in South Florida Reporting Unit D.

Table 57. South Florida Reporting Unit D - Surficial Aquifer System - Background Network Summary Statistics 1994-1997.

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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	5	6	0.54	0.55	1.14	3.2	4.6
Specific Conductance, Field	uS/cm	16	19	114	458.5	617	969.5	1850
Temperature	°C	16	19	23.3	24.3	25.125	26.075	29.1
pH, Field	s.u.	16	19	5.17	6.545	6.76	6.92	7.2
Alkalinity, Dissolved (as CaCO3)	mg/L	16	19	6.25	172	271.5	292	492
Calcium, Dissolved	mg/L	16	19	3.505	52	86.4	110	130
Chloride, Dissolved	mg/L	16	19	4.1	10.6	46.95	92	300
Fluoride, Dissolved	mg/L	16	19	<0.1	0.125	0.2	0.4	1.525
Magnesium, Dissolved	mg/L	16	19	0.4345	4.475	8.885	14	47
Organic Carbon, Total	mg/L	5	5	2.1	18	20	22	32
Potassium, Dissolved	mg/L	16	19	0.2	0.655	2.45	4.575	6.5
Sodium, Dissolved	mg/L	16	19	1.75	9.05	29.8	85.575	200
Sulfate, Dissolved	mg/L	16	19	<0.2	1.175	4	33	150
Sulfide, Total	mg/L	5	5	<0.08	<0.08	<0.08	0.15	0.39
Turbidity	ntu	16	19	0.95	9.4	14	34.825	380

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Aluminum, Dissolved	ug/L	16	19	<20	<20	28	71	386
Aluminum, Total	ug/L	16	19	<20	53.5	85	157.5	1390
Antimony, Total	ug/L	5	5	<3	<3	<3	<3	<3
Arsenic, Total	ug/L	16	19	<3	<3	<3	4.125	26
Barium, Dissolved	ug/L	16	19	2.1	13.25	17.9	31	45
Barium, Total	ug/L	16	19	2.1	14.4	19.4	28.5	47
Beryllium, Total	ug/L	5	5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium, Total	ug/L	16	19	<1	<1	<1	<1	<1
Chromium, Total	ug/L	16	19	<5	<5	<5	<5	8.25
Copper, Dissolved	ug/L	16	19	<10	<10	<10	<10	<10
Copper, Total	ug/L	16	19	<10	<10	<10	<10	12
Iron, Dissolved	ug/L	16	19	<3	132.875	1480	4950	12150
Iron, Total	ug/L	16	19	36	190	3475	8590.25	37100
Lead, Dissolved	ug/L	16	19	<3	<3	<3	<3	<3
Lead, Total	ug/L	16	19	<2	<2	3.3	14.8	202
Manganese, Dissolved	ug/L	16	19	<1	6.75	11.5	23.5	405.65
Manganese, Total	ug/L	16	19	<1	8.25	11.5	26	390.7
Mercury, Total	ug/L	16	19	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	16	19	<10	<10	<10	<10	11
Selenium, Total	ug/L	5	5	<2	<2	<2	<2	<2
Silver, Total	ug/L	16	19	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	16	19	8.9	223.5	423.5	540	2615
Strontium, Total	ug/L	16	19	8.95	208.5	425	525	2615
Thallium, Total	ug/L	5	5	<3	<3	<3	<3	<3
Vanadium, Total	ug/L	5	5	<2	6	13	25	29
Zinc, Dissolved	ug/L	16	19	<4	<4	<4	<4	1850.5
Zinc, Total	ug/L	16	19	<4	5.5	9	57	2301
Ammonia+Organic Nitrogen, Dissolved	mg/L	16	19	0.3325	0.805	1.1	1.75	2.9
Ammonia, Dissolved (as N)	mg/L	16	19	0.1935	0.34	0.565	0.93	1.9
Nitrate+Nitrite, Dissolved (as N)	mg/L	16	19	<0.02	<0.02	0.025	0.041	0.38
Orthophosphate, Dissolved (as P)	mg/L	5	5	0.005	0.007	0.013	0.021	0.066
Phosphorus, Dissolved (as P)	mg/L	16	19	<0.02	<0.02	0.0318	0.115	0.36
Silica, Dissolved	mg/L	16	19	2.2	8.2	13	21	96

Table 58. South Florida Reporting Unit D - Intermediate Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	4	4	0.2	NSD	NSD	NSD	3.69
Specific Conductance, Field	uS/cm	7	12	514	701.5	769	1134	4105
Temperature	°C	7	12	24.8	25	25.25	25.35	26.2
pH, Field	s.u.	7	12	7	7.04	7.195	7.33	7.54
Alkalinity, Dissolved (as CaCO3)	mg/L	7	12	127	178.5	195.5	274	302.5
Calcium, Dissolved	mg/L	7	12	18	54.25	88.5	96.25	138.5
Chloride, Dissolved	mg/L	7	12	22	36.5	60	158	1070
Fluoride, Dissolved	mg/L	7	12	0.25	0.405	0.45	1.605	2.8
Magnesium, Dissolved	mg/L	7	12	14	16.9	24	27.025	89.85
Organic Carbon, Total	mg/L	4	4	2.6	NSD	NSD	NSD	16
Potassium, Dissolved	mg/L	7	12	1.8	2.755	4.1	6.05	16.4
Sodium, Dissolved	mg/L	7	12	38	39	66	83.05	484
Sulfate, Dissolved	mg/L	7	12	8.55	15.5	44	65.275	310
Sulfide, Total	mg/L	3	3	0.85	NSD	NSD	NSD	3.5
Turbidity	ntu	7	12	<0.8	<0.8	1.4	2.2	42.6
Aluminum, Dissolved	ug/L	7	12	<20	<20	<20	<20	30
Aluminum, Total	ug/L	7	12	<20	20.5	31	50.5	95
Antimony, Total	ug/L	4	4	<5	NSD	NSD	NSD	<5
Arsenic, Total	ug/L	7	12	<10	<10	<10	<10	<10
Barium, Dissolved	ug/L	7	12	3.7	12.45	20.1	26.25	56.4
Barium, Total	ug/L	7	12	3.2	11.85	18.9	27.475	57.2
Beryllium, Total	ug/L	4	4	<0.5	NSD	NSD	NSD	<0.5
Cadmium, Total	ug/L	7	12	<1	<1	<1	<1	1.3
Chromium, Total	ug/L	7	12	<10	<10	<10	<10	13.5
Copper, Dissolved	ug/L	7	12	<10	<10	<10	<10	<10
Copper, Total	ug/L	7	12	<10	<10	<10	<10	12.5
Iron, Dissolved	ug/L	7	12	<3	<3	6	39.875	1007
Iron, Total	ug/L	7	12	5	31.75	106	141.25	5475
Lead, Dissolved	ug/L	7	12	<3	<3	<3	<3	<3
Lead, Total	ug/L	7	12	<1	1.275	4.75	14.55	28.7
Manganese, Dissolved	ug/L	7	12	<1	<1	3	12.75	60.9
Manganese, Total	ug/L	7	12	<1	<1	3	11.25	78.5
Mercury, Total	ug/L	7	12	<0.1	<0.1	<0.1	<0.1	0.125
Nickel, Total	ug/L	7	12	<10	<10	<10	<10	11.25

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Selenium, Total	ug/L	4	4	<5	NSD	NSD	NSD	<5
Silver, Total	ug/L	7	12	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	7	12	360	720	1900	2285	14350
Strontium, Total	ug/L	7	12	355	651	1700	2252.5	14900
Thallium, Total	ug/L	4	4	<2	NSD	NSD	NSD	<2
Vanadium, Total	ug/L	4	4	<10	NSD	NSD	NSD	<10
Zinc, Dissolved	ug/L	7	12	<4	<4	<4	<4	5.5
Zinc, Total	ug/L	7	12	<10	<10	20	27.75	55
Ammonia+Organic Nitrogen, Dissolved	mg/L	7	12	0.41	0.505	0.55	0.7425	1
Ammonia, Dissolved (as N)	mg/L	7	12	0.215	0.295	0.41	0.4425	0.64
Nitrate+Nitrite, Dissolved (as N)	mg/L	7	12	<0.02	<0.02	0.025	0.0278	1.3
Orthophosphate, Dissolved (as P)	mg/L	3	3	0.014	NSD	NSD	NSD	0.046
Phosphorus, Dissolved (as P)	mg/L	7	12	<0.02	<0.02	<0.02	<0.02	0.068
Silica, Dissolved	mg/L	7	12	14	19	24	28.5	30

Table 59. South Florida Reporting Unit D - Floridan Aquifer System - Background Network Summary Statistics 1994-1997.

** NSD - Indicates "Non-Sufficient Data" for statistical analysis.
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Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Oxygen, Dissolved, Field	mg/L	2	2	1	NSD	NSD	NSD	3.02
Specific Conductance, Field	uS/cm	5	5	267	567	695	2880	4860
Temperature	°C	5	5	24.3	25.3	26	26.4	26.4
pH, Field	s.u.	5	5	7.38	7.4	7.42	7.44	7.66
Alkalinity, Dissolved (as CaCO3)	mg/L	5	5	64	106	110	129	129
Calcium, Dissolved	mg/L	5	5	15	23	42	95	150
Chloride, Dissolved	mg/L	5	5	17	43	70	690	1210
Fluoride, Dissolved	mg/L	5	5	0.1	0.5	0.9	1.3	2.8
Magnesium, Dissolved	mg/L	5	5	8.3	13	24	82.4	125
Organic Carbon, Total	mg/L	2	2	1.5	NSD	NSD	NSD	1.7
Potassium, Dissolved	mg/L	5	5	0.9	3.9	4.5	17.6	26
Sodium, Dissolved	mg/L	5	5	9.8	51	76	410	670
Sulfate, Dissolved	mg/L	5	5	33	65	100	380	560

Parameter	Units	# of Grid Cells	# of Wells	Minimum Value	Lower Quartile	Median Value	Upper Quartile	Maximum Value
Sulfide, Total	mg/L	2	2	1.6	NSD	NSD	NSD	2.7
Turbidity	ntu	5	5	<0.1	<0.1	<0.1	0.2	0.7
Aluminum, Dissolved	ug/L	5	5	<20	<20	<20	<20	<20
Aluminum, Total	ug/L	5	5	<75	<75	<75	<75	200
Antimony, Total	ug/L	2	2	<5	NSD	NSD	NSD	<5
Arsenic, Total	ug/L	5	5	<10	<10	<10	<10	<10
Barium, Dissolved	ug/L	5	5	8.9	21.6	25.5	74	84
Barium, Total	ug/L	5	5	8	23	27	67	73
Beryllium, Total	ug/L	2	2	<0.5	NSD	NSD	NSD	<0.5
Cadmium, Total	ug/L	5	5	<1	<1	<1	<1	<1
Chromium, Total	ug/L	5	5	<10	<10	<10	<10	<10
Copper, Dissolved	ug/L	5	5	<10	<10	<10	<10	<10
Copper, Total	ug/L	5	5	<10	<10	<10	<10	<10
Iron, Dissolved	ug/L	5	5	<3	4	9	14	14
Iron, Total	ug/L	5	5	<20	22	30	39	990
Lead, Dissolved	ug/L	3	3	<1	NSD	NSD	NSD	<1
Lead, Total	ug/L	5	5	<3	<3	<3	<3	<3
Manganese, Dissolved	ug/L	5	5	<1	<1	<1	<1	1.7
Manganese, Total	ug/L	5	5	<5	<5	<5	<5	<5
Mercury, Total	ug/L	5	5	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	ug/L	5	5	<10	<10	<10	<10	<10
Selenium, Total	ug/L	2	2	<5	NSD	NSD	NSD	<5
Silver, Total	ug/L	5	5	<1	<1	<1	<1	<1
Strontium, Dissolved	ug/L	5	5	4900	6100	9300	17900	21200
Strontium, Total	ug/L	5	5	4500	5800	9000	18600	20800
Thallium, Total	ug/L	2	2	<0.3	NSD	NSD	NSD	<0.3
Vanadium, Total	ug/L	2	2	<10	NSD	NSD	NSD	<10
Zinc, Dissolved	ug/L	5	5	<4	<4	<4	<4	<4
Zinc, Total	ug/L	5	5	<10	<10	<10	<10	<10
Ammonia+Organic Nitrogen, Dissolved	mg/L	5	5	0.33	0.46	0.47	0.6	0.78
Ammonia, Dissolved (as N)	mg/L	5	5	0.3	0.36	0.36	0.38	0.42
Nitrate+Nitrite, Dissolved (as N)	mg/L	5	5	<0.02	<0.02	<0.02	<0.02	0.02
Orthophosphate, Dissolved (as P)	mg/L	2	2	0.005	NSD	NSD	NSD	0.005
Phosphorus, Dissolved (as P)	mg/L	5	5	<0.02	<0.02	<0.02	<0.02	<0.02
Silica, Dissolved	mg/L	5	5	9.5	13	13	15	23