## Groundwater Monitoring in the

### St. Johns River Water Management District

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#### INTRODUCTION

Groundwater is the source for over 97% of the public and domestic drinking water supplies in SJRWMD. In addition, over 73% of industrial/commercial and 66% of agricultural water needs are supplied by groundwater sources. The 2000 *District Water Supply Plan* indicates that the population within SJRWMD is projected to increase by about 50%, to nearly 5.2 million, by the year 2020. Total water demand is projected to increase about 35% by 2020, to nearly 1.85 billion gallons per day (Vergara 2000).

As the demands on water resources increase, it is important to have an ongoing program to provide the data and information needed to assess groundwater level and quality conditions and understand what information can be obtained from groundwater monitoring. Existing and anticipated sources of groundwater may not be adequate to supply water for all existing and future needs through 2020 without causing unacceptable impacts to water resources and related natural systems. Potential impacts include declines in groundwater levels and quality, reduction in spring discharge, increases in seawater intrusion, harm to native vegetation and wetlands, and interference with existing legal users.

Projections of future water resource conditions were developed with modeling techniques that used the best information available. The accuracy of the model projections can be improved in areas where there is currently a lack of data. As a result, improved groundwater monitoring well networks were devised, addressing both regional and subregional data needed for long-term water supply planning and water resource protection. Data obtained from the well networks increase our understanding of the hydrogeologic, climatic, and human factors that affect water resources, and this information is used to assess the effectiveness of water management programs.

#### GROUNDWATER MONITORING

Groundwater monitoring is administered in the Division of Groundwater Programs (GWP) through the Water Resources Assessment section, a Field Services (well construction) section, and a Geophysical Logging section. The Division of Hydrologic Data Services is responsible for data collection from the network wells.

The objectives of the Water Resources Assessment section are to:

- Design, construct, and maintain water level and water quality monitoring well networks
- Evaluate and refine the networks to optimize the spatial and temporal data collection
- ➤ Evaluate and analyze the data collected from the networks using statistical, geostatistical, graphical, and mapping methods to produce useful information
- ➤ Assess the effectiveness of the information derived from the networks to meet current and future water management needs
- ➤ Distribute and publish the network data, information, and interpretations as required by users for water supply planning, minimum flows and levels, consumptive use permitting, and other District programs

#### **GROUNDWATER MONITORING DESIGN**

Starting in the mid-1980's, the design of monitoring networks has been quantified into a Monitoring Information System methodology. Ward et al. (1990) listed five generalized steps required for designing monitoring information systems:

- 1. Define information needs of management and projects,
- 2. Define information that can be produced by monitoring,
- 3. Design monitoring network,
- 4. Document data collection procedures, and
- 5. Document information-generating and reporting procedures.

The design, implementation, and periodic re-evaluation of the District's groundwater monitoring networks follows these generalized steps.

#### Network Design Theory

Groundwater network design theory holds that there are four basic types of networks:

- 1. Regional
- 2. Subregional
- 3. Natural Baseline
- 4. Projects

Each of the four network types can have one or more objectives and each results in distinct products. The regional networks are designed to measure changes in the aquifer systems caused by human actions or long-term climatic variation, generally over broad areas. Products from regional networks include regional maps, regional change maps, and individual time-series graphs and analyses.

Subregional networks are designed to measure changes in the aquifer systems caused by water withdrawals by well fields. Products from subregional networks include small-scale maps, change maps, time-series graphs and comparison of changes in the aquifer systems within the well field. Natural baseline networks quantify the impact of natural changes on the aquifer system. Products from Natural baseline networks include time-series graphs and analyses. Project networks are primarily driven by individual studies. Within the District those studies are primarily groundwater modeling projects.

#### District's Network Design

The District's groundwater networks are designed to provide information for one of two basic network types:

- 1) Regional
  - a) Regional
  - b) Natural Baseline
- 2) Projects
  - a) Groundwater Model
  - b) Other

The regional network wells are the District's permanent backbone wells. The natural baseline network is a subset of the regional network. Project network wells are those solely utilized to measure changes in the aquifer systems on smaller scales than the regional network for District projects. Wells included in this network are primarily driven by individual groundwater models to calibrate models (92% of project wells; Sep 2003). In the other networks subset of the projects network are wells and springs required to meet legal requirements (5% of project wells; Sep 2003), Consumptive Use Permitting (CUP) compliance monitoring (2% of project wells; Sep 2003) or other non-modeling projects (1% of project wells; Sep 2003).

Due to the differing objectives, each type of groundwater level network must be defined more or less independently of the others. However, wells used in one network are used in another, where appropriate, and in fact most wells are used in more than one network. Osburn (2000) describes each of the network types, their products, and the analysis methodology in greater detail.

#### **CURRENT GROUNDWATER NETWORKS**

To improve the effectiveness of the SJRWMD water level and quality networks, GWP staff evaluated data collection in the Floridan, intermediate, and surficial aquifers. This evaluation resulted in the elimination of redundant wells and freed financial and human resources for adding wells where needed. Current groundwater monitoring is focused on the Floridan aquifer system, since this aquifer is the primary groundwater source for all uses. The water level and water quality networks as of September 2003 are described below. The numbers of wells and springs in each network are summarized in Table 1. Details of the wells in the networks are listed in Appendix B Table 1. Wells used in the Baseline network are used in the Regional network and are not counted in the grand totals in Table 1. Project networks wells and springs tabulated in Table 1 are exclusively used by that network.

#### **Regional Networks**

#### **Upper Floridan Aquifer Potentiometric**

Water level data from this regional network subset provides information to assess the status of storage at the time of measurement, to determine the direction of water movement, to detect changes in water levels over time, and to provide early warnings of potential water quality problems due to groundwater withdrawals or climatic conditions. A map of the wells in the Upper Floridan aquifer potentiometric subset is provided in Appendix A, Figure 1.

Osburn (2000) evaluated the effectiveness of the Upper Floridan aquifer potentiometric network. This network measures water levels semi-annually in May and September, with historical data since 1975. The study examined the well construction and use attributes of the network wells, the areal coverage and temporal suitability of the measurements, and the spatial effectiveness of the network. The spatial effectiveness was evaluated using a geostatistical analysis of May 1995 water levels. This analysis concluded that at least one well be measured in each grid cell of a 45,000-foot hexagonal grid network to optimally assess regional water levels in the Upper Floridan aquifer. This network will require a total of 341 wells. As of September 2003, there are 23 grids identified as high priority for drilling new wells to add to the network. An additional 46 grid cells have a low priority for new wells. Once the empty grid cells are filled, the network reaches maintenance status and only wells needed to repair or replace existing wells are need. There are approximately 105 wells that are not dedicated monitor wells, or are privately owned, and will need to be replaced over the next five to 10 years.

Network	Water Level	Water Quality	Discharge	
Regional		-		
Wells				
Surficial	91	3	-	
Intermediate	46	2	-	
Upper Floridan	325	177	-	
Lower Floridan	24	6	-	
Springs				
Surficial	1	-	1	
Intermediate	-	-	-	
Upper Floridan	11	18	18	
Natural Baseline Netwo	ork			
Wells				
Surficial	23	-	-	
Intermediate	12	1	-	
Upper Floridan	48	37	-	
Lower Floridan	4	3	-	
Springs				
Surficial	-	-	1	
Intermediate	-	6	6	
Upper Floridan	-	-	1	
Projects Network				
Wells				
Surficial	96	4	-	
Intermediate	30	5	-	
Upper Floridan	120	86	-	
Lower Floridan	6	19	-	
Springs				
Surficial	-	-	-	
Intermediate	-	-	-	
Upper Floridan	4	3	6	
Totals <sup>1</sup> 1: Baseline Network numbers	754	323	25	

#### Upper Floridan Aquifer Water Quality

Water quality data from this network provides information to evaluate groundwater conditions on regional scales to detect long-term trends, to identify potential problem areas, and to assess whether the water quality in an area is suitable for the intended water use. A map of the wells in the Upper Floridan aquifer water quality network is provided in Appendix A, Figure 2. Some of the network sites have additional wells monitoring the middle and lower parts of the Floridan aquifer system, allowing for an evaluation of water quality changes with depth.

Boniol (2002) described current water quality conditions in the Upper Floridan aquifer and proposed a regional network design for water quality monitoring of the Upper Floridan aquifer. The spatial variability of chloride concentration data was analyzed geostatistically to determine that at least one well be sampled in each grid cell of a 50,000-foot hexagonal grid network to adequately assess regional, baseline water quality conditions. To increase the effectiveness of the regional network, 24 empty grid cells have been identified for additional wells bringing the total grid cells needed to 197. Once the empty grid cells are filled the network reaches maintenance status and only wells needed to repair or replace existing wells are needed.

To determine the required frequency of water quality sampling, trend analysis of existing data was used to determine the temporal variability of existing water quality data. Statistical analyses were then used to determine the significance of an apparent trend in water quality at a specific well location and to estimate the magnitude of that trend. The goal was to estimate the sampling frequency that would be required to detect a statistically significant trend of chloride concentrations at the 80% confidence level over five years. Thus, it will take a minimum of 5 years of additional data collection at the established sampling frequency to statistically determine if a trend exists.

While Boniol (2000) determined that most of the District's regional water quality network could be adequately monitored with the one well per 50,000-foot hexagon grid system, there were areas where this network was not adequate. These areas of critical concern included

- Areas of seawater intrusion into freshwater zones along parts of the Atlantic Coast
- Areas where underlying water with high chloride, sulfate, and TDS concentrations mix with fresh groundwater along parts of the St. Johns River.

- Areas with significantly increasing chloride concentrations in groundwater
- The interface between potable and nonpotable water
- Areas in the Upper Floridan aquifer with projects water level draw downs of greater than 3 ft by the year 2020

In the areas of critical concern up to 2 monitor wells per hexagon will be required. As these areas expand and contract over the years additional wells may be needed depending on those changes.

#### Lower Floridan Aquifer Water Level and Quality

The Lower Floridan aquifer provides water for public supply in Duval, central Orange, and southern Seminole counties. Additional information about the hydrogeologic characteristics of the Lower Floridan aquifer is needed to better understand its relationship to upper parts of the Floridan aquifer and to assess its potential use as a source of public supply water in these and other areas. GWP evaluated existing Lower Floridan aquifer wells and monitoring efforts, and proposed 32 areas for drilling new wells. The numbers of Lower Florida aquifer wells in each network is summarized in Table 1. A map of wells in the current regional Lower Floridan network is provided in Appendix A, Figure 3. Since the lower Floridan aquifer is the least understood at this time no network analysis can be undertaken for at least 7 to 10 years.

#### Surficial Aquifer

The surficial aquifer system is a source of water for public supply in St. Johns, Flagler, Brevard, and Indian River counties where water in the Floridan aquifer does not meet drinking water standards, and is also used for domestic self-supply. Surficial aquifer monitoring wells have been constructed as part of a cluster with Floridan and intermediate aquifer wells at almost all new wells sites over the past several years. Where surficial aquifer wells are co-located with regional or natural baseline Floridan aquifer wells, they are part of these networks. The numbers of surficial aquifer wells in each network is summarized in Table 1.

As a standard practice, water level and quality data are collected for at least the first two years for new surfical aquifer wells, and then project managers determine the status of any future monitoring.

In addition to water level and quality data, surficial wells provide information for identifying potential impacts to wetlands and other water resources due to water withdrawals, mapping water table elevations for use in groundwater models, and monitoring the potential for water quality degradation due to point and nonpoint sources of contamination. While a detailed geostatistical analysis of the current surficial monitoring has not been performed, GWP staff is currently investigating methods to devise an effective surficial aquifer network to provide the information needed for water supply planning models.

#### Intermediate Aquifer

The intermediate aquifer is a source of water for domestic self-supply in Duval, Clay, and Orange counties, and locally in other areas of the District. Intermediate aquifer monitoring wells have been drilled in clusters with surficial and Floridan aquifer wells, providing data for evaluating water level and quality relationships among the aquifer systems. Where intermediate aquifer wells are co-located with regional or natural baseline Floridan aquifer wells they are part of these networks. The numbers of intermediate aquifer wells in each network is summarized in Table 1.

There is no network analysis planned for the intermediate aquifer due to its limited use.

#### Springs

The numbers and locations of springs being monitored for discharge and water quality by Groundwater Programs as part of its regional, baseline, and groundwater modeling networks are summarized in Table 1 and located in Appendix A, Figure 4. No changes in the regional or baseline networks is predicted.

#### **Natural Baseline Network**

The natural baseline network quantifies the impact of natural changes on the aquifer systems. The wells and springs making up this network are in areas where anthropogenic effects are considered minimal. In the District's network these wells and springs are a subset of the regional network. The numbers of wells and springs by aquifer in the baseline network are summarized in Table 1 and the locations shown in Appendix A, Figure 5.

#### **Projects Networks**

The District's projects network is composed of groundwater modeling, and other networks as previously discussed. The numbers are listed in Table 1. Wells

measured exclusively for the projects network are not included in either the regional or baseline networks.

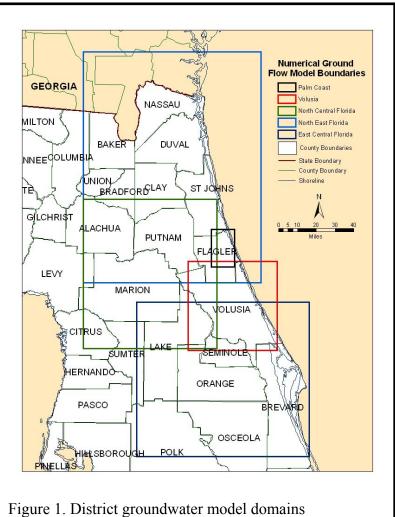
#### Groundwater Modeling Network

The groundwater modeling networks provide data to meet groundwater modeling needs. Most of the projects network wells are for groundwater modeling purposes (92%; Sep 2003). The locations of the wells and springs are included in Appendix A, Figure 6. At this time (Sep 2003) the District has 5 groundwater model projects. Their domains are shown in Figure 1.

Included in the groundwater modeling network are 58 wells where the water levels are measured by the U.S. Geological Survey in Camden and Charlton counties, Georgia in May and September of each year. Seven of these wells are sampled twice a year for water quality.

#### Other Networks

The other subset of the projects network is composed of a small number of wells (8% of the projects network) required for legal purposes, CUP compliance, and Water Supply Management (WSM) monitoring.



The District is required to monitor 18 wells due to legislative mandate or other legal agreements. Legislation was passed in 1995 requiring the District to design and implement a network to determine, monitor and evaluate the freshwater/saltwater interface of the Geneva Freshwater Lens in eastern

Seminole County. Other groundwater monitoring was required by the mediation agreement approved by the Governing Board in February 1998 for lakes Broward, Daugharty, Como, and Winona.

CUP compliance is monitoring water levels in 7 wells for cumulative water use impacts. One is in Duval and the remainder in NW Volusia County (6 wells). Four wells are monitored for water quality in Indian River, Osceola, and Putnam counties for WSM projects.

#### **SUMMARY**

The goal of the SJRWMD water level and quality monitoring networks is to produce useful information for a variety of District needs. The information produced by the well networks is used in a wide range of applications by SJRWMD staff, state and local government agencies, public supply utilities, private consulting firms, and well drillers. Sharing data and information produced from the monitoring networks with various groups helps to educate the public about water resources, involves the public in protecting these resources, and develops the partnerships needed to accomplish the SJRWMD mission. The regional and baseline network wells are statistically "re-evaluated" about every 5 years to insure technical and cost effectiveness. The ground water modeling networks are evaluated yearly.

#### REFERENCES

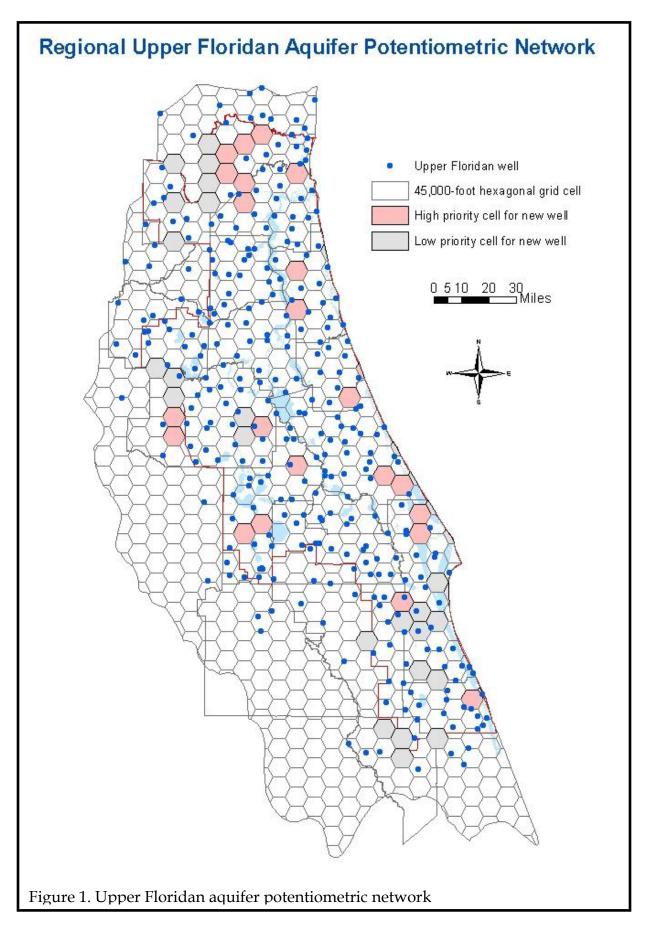
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### Appendix A.

## Figures of the locations of the groundwater monitoring network wells and springs.

- Figure 1. Upper Floridan aquifer potentiometric wells
- Figure 2. Regional and Projects Upper Floridan aquifer water quality wells
- Figure 3. Lower Floridan aquifer wells
- Figure 4. Regional and Projects Spring Network
- Figure 5. Natural Baseline network
- Figure 6. Projects network



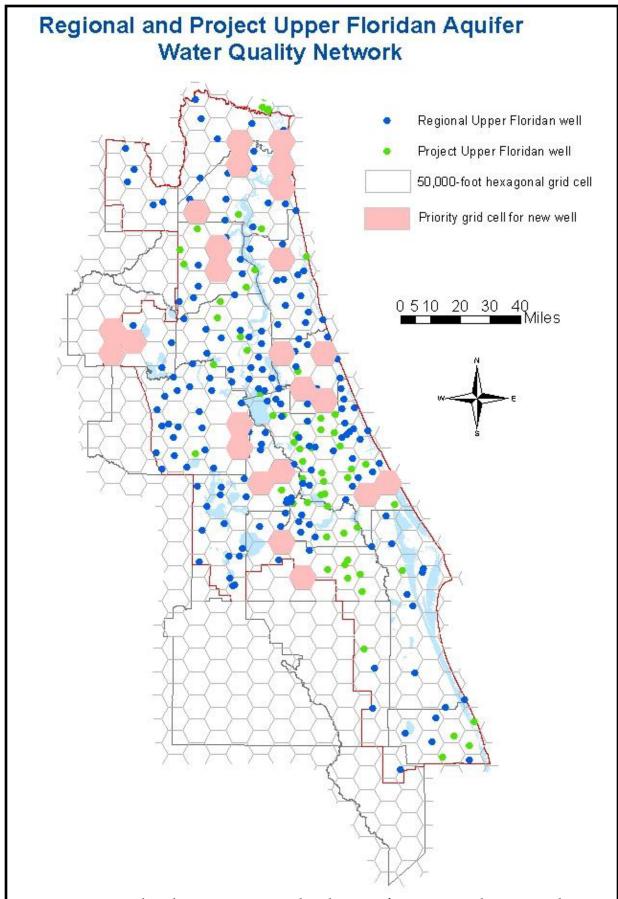
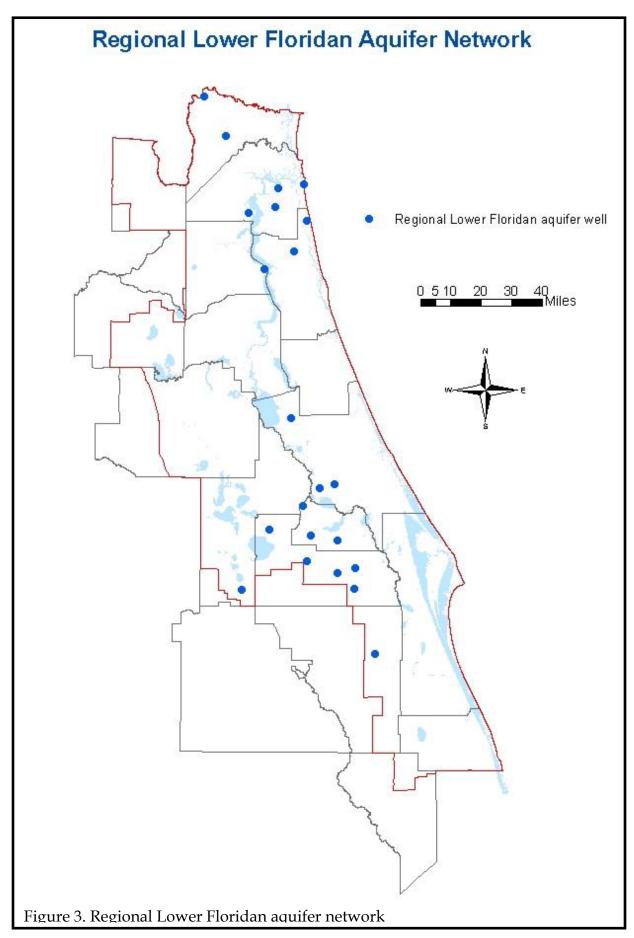
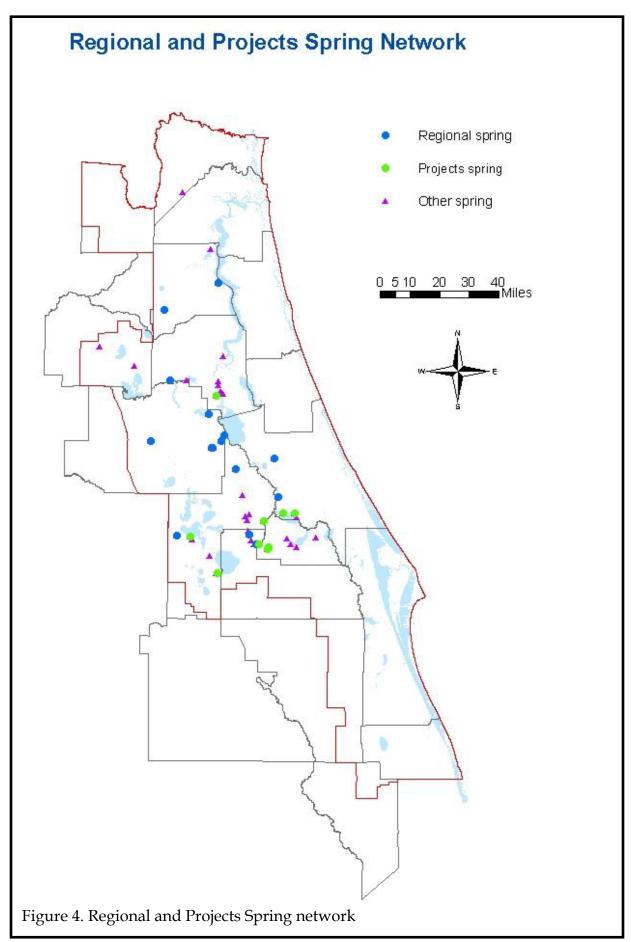
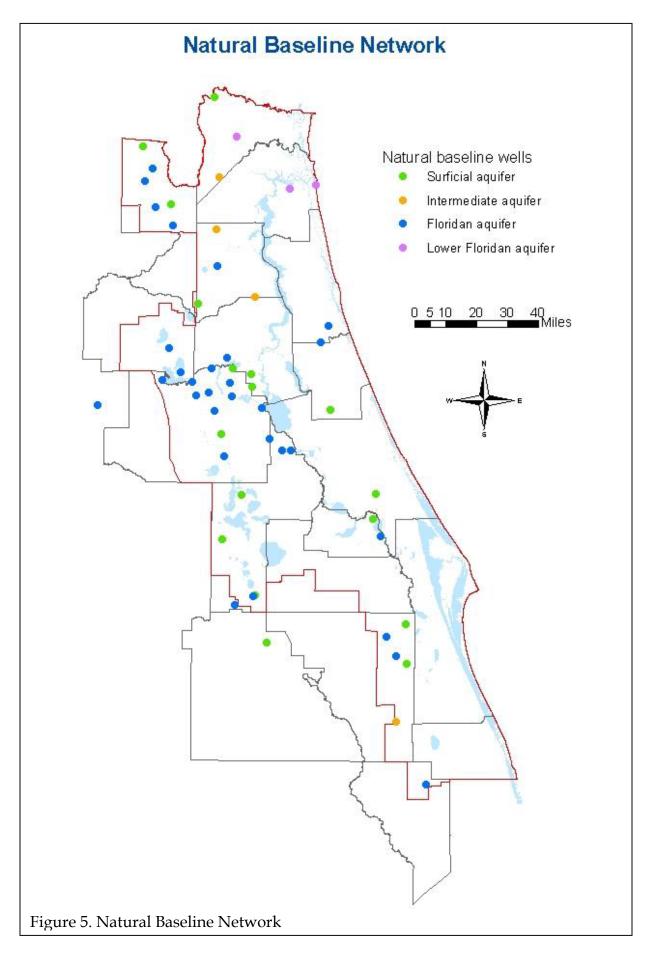
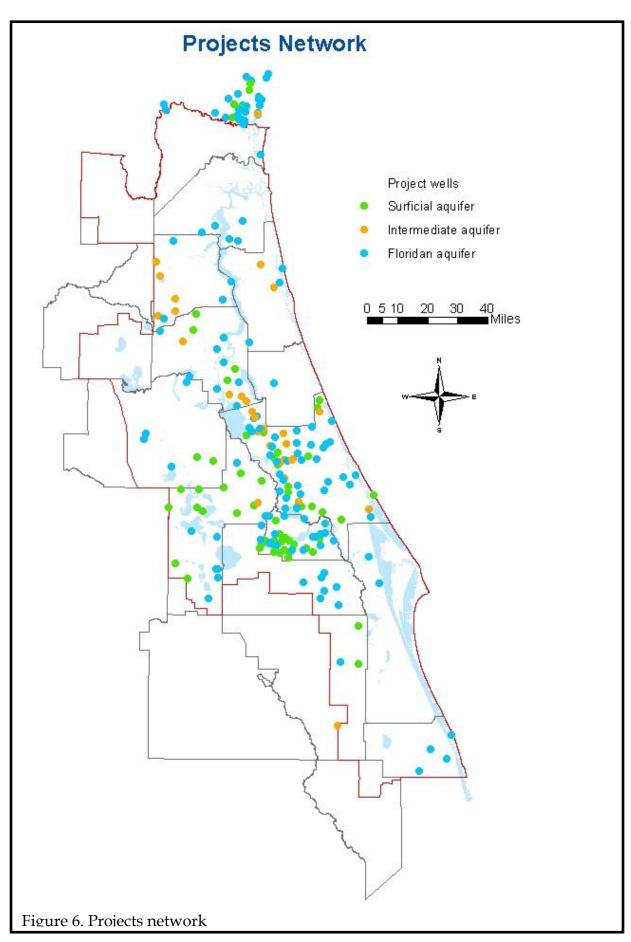


Figure 2. Regional and Projects Upper Floridan aquifer water quality network









# Appendix B. Summary table of the groundwater monitoring network.

Та	able Legend	
Network Base Category	Model	Network
Central Florida Discharge	East Central Florida	Projects
Central Florida Level	East Central Florida	Projects
Central Florida Quality	East Central Florida	Projects
Consent Agreement Level		Projects
CUP Level		Projects
Legislative Mandate Level		Projects
Legislative Mandate Quality		Projects
Natural Baseline Level		Natural Baseline
Natural Baseline Quality		Natural Baseline
Natural Baseline Quality		Natural Baseline
NC Florida Level	North Central	Projects
NE Florida Discharge	NE Florida	Projects
NE Florida Level	NE Florida	Projects
NE Florida Quality	NE Florida	Projects
Regional Level		Regional
Regional Quality		Regional
Regional Quality		Regional
Regional Semiannual Level		Regional
Volusia Discharge	Volusia	Projects
Volusia Level	Volusia	Projects
Volusia Quality	Volusia	Projects
WSM - Toth - Quality		Projects

The numbers in the columns refer to number of annual measurements being made at each site.

SN	Site Name	Aquifer	Central Florida Discharge	Central Florida	Central Florida Quality	Consent CL Agreement LvI Ler	IP Legislative	Legislative Mandate Quality	Natural Baseline	Natural Baseline Quality	Natural Baseline Quality		NE Florida Discharge		NE Florida Quality	Regional Level	Regional Quality	Regional Quality	Regional Semiannual Level	Volusia Discharge	Volusia Level	Volusia Quality	WSM - Toth - Quality
JIV	Site Name	Aquiler	Discharge	Level	Quanty	Agreement LVI Let	ivialiuatë EVI	SPRING		Quanty	Quality	Level	Discharge	Level	Quanty	Level	Quanty	Quality	Level	Discharge	Level	Quanty	Quanty
Alexander Springs	Alexander Springs	Floridan								12	4					2	12	4					
Apopka Spring	Apopka Spring near Kilarney	Floridan	4		4																		
Blue Spring - Volusia	Blue Spring in Volusia County	Floridan	365													365	365	4			365		
Blue Spring Yal Run	Blue Springs near Yalaha	Floridan	4										-		_		40						
Bugg Spring Run	Bugg Spring run	Floridan Floridan	_				_	-					2				12	4					
Croaker Hole Spring Fern Hammock Springs	Croaker Hole Spring near Fruitland	Floridan	_							12	4					2	12	4					
Gemini Springs	Fern Hammock Springs near Astor  Gemini Springs near Debery	Floridan			4					12	-					-	12	-		2			
Green Cove Spring	Green Cove Spring at Green Cove Springs	Floridan			<u> </u>												4	4					
Green Springs	Green Springs near Enterprise	Floridan	2		4																		
Island Spring	Island Spring near Cassia	Floridan	2																	2			
Juniper Springs	Juniper Springs near Astor	Floridan								12	4					2	12	4					
Lake Lowry Seeps	Lake Lowry Seeps near Keystone Heights	Surficial								365						365	365						
Miami Springs	Miami Springs near Longwood	Floridan	2	2													4	4					
Orange Spring	Orange Spring	Floridan															4	4					
Palm Springs - Seminole		Floridan	2	2													4	4					
Ponce de Leon Springs		Floridan											-		_	365 365	365 365	4					
Rock Springs	Rock Springs near Apopka		_				_	-		40			-										
Salt Springs Sanlando Springs	Salt Springs at Salt Springs Sanlando Springs near Longwood	Floridan Floridan	2	2	_					12	4	_	_	_	_	2	12	4					_
Silver Glen Springs	Silver Glen Springs near Salt Springs	Floridan		-						12	4					2	12	4					
Silver Springs	Silver Springs near Ocala	Floridan								12						365	365	4					
Starbuck Spring	Starbuck Spring near Longwood	Floridan	2	2													4	4					
Sweetwater Springs	Sweetwater Springs	Floridan								12	4					2	12	4					
Wekiwa Springs	Wekiwa Springs near Apopka	Floridan														365	365	4					
								WELL	s														
27E003	GA DNR, S FOSTER PARK	Floridan												2									
27E004	USGS Test well OK-9 replacement to OK-8 (27E002)	Floridan												2					2				
28D001	USF&W CHESSER ISLAND	Floridan												2					2				
29F001	DRURY, J	Floridan												2									
30E004	O C MIZELL 1	Floridan												2									
30E006 30E007	BETHONE MIDDLE SCHOOL HUMPHREYS OBS 1	Floridan Floridan	_				_	-					-	2					2				
31E001	BROWN, E	Floridan			_								-	2	_				2				_
32E031	B&S CHICKEN FARM	Floridan												2					2				
32F032	GROSS, E (1950)	Floridan												2					2				_
32E033	GA WELCOME CENTER	Floridan												2									
32E037	JAMES LOWE	Floridan												2									
32E038	PEEPLES, J D	Floridan												2									
32F001	JOHNSON, L E	Floridan												2									
32F008	H Williams Camden County GA	Floridan												2					2				
32F022	J. Van in Camden County GA	Floridan												2					2				
33D004	FLOYD, E	Floridan												2	2								
33D006	GILMAN PAPER CO 8	Floridan												2	2								
33D007	MILLER, F	Floridan												2									
33D048	GILMAN PAPER CO 9	Floridan												365	2								
33D049	GILMAN PAPER CO 6	Floridan												2									
33D050 33D051	GILMAN PAPER CO 5 GILMAN PAPER CO 4	Floridan Floridan				<del> </del>	_						-	2	2								
33D051 33D053	GILMAN PAPER CO 4 GILMAN PAPER CO 1	Floridan	+		-			-					-	2	2								
33D053 33D054	GILMAN PAPER CO 1 ST MARYS GA 2	Floridan	_			<del>                                     </del>	_						_	2									_
33D055	ST MARYS GA 1	Floridan												2									
33D056	ST MARYS KRAFT-BAG 4	Floridan												2	2								
33D058	GILMAN PAPER CO 7	Floridan												2									
33D061	GILMAN PAPER CO 11	Floridan												2									
33D063	GILMAN PAPER CO 10	Floridan												2									
33D069	US NPS Cumberland Island	Floridan												2					2				
33D074	St Marys GA Deep Test Well	Lower Floridan												365									
33E005	BAILEY, W	Floridan												2									
33E006	FINN & NEIGHBOR	Floridan												2									-
33E007	Huntly-Jiffy	Floridan	_		_			-						2	-				_				
33E027	Kingsbay TW 1	Floridan			_			-			-	-	-	2		-			2				-
33E032 33E033	USN KINGS BAY 1 USN KINGS BAY 2	Floridan Floridan	+		-			-					-	2	-								
33E033 33E039	USN KINGS BAY 2 USN KINGS BAY OBS 01	Floridan		_	_						_	_	_	365	2	_	_	_					_
33E039 33E040	USN KINGS BAY OBS 01 USN KINGS BAY OBS 02	Floridan											_	365	2	_							_
33E040 33E041	USN KINGS BAY WELL A	Floridan	_										_	2									
33E042	USN KINGS BAY WELL A USN KINGS BAY WELL B	Floridan	_										_	2									
33E042	USN KINGS BAY WELL C	Floridan												2									
33E044	USN KINGS BAY WELL D	Floridan												2									
33E045	USN KINGS BAY WELL E	Surficial												2									
33E046	JOINER-GREENE-CROCKR-ONEL	Surficial												2									
														2									
33E048	OSPREY COVE GULF COURSE	Surficial																					

SN	Site Name	Aquifer	Central Florida Discharge	Central Florida Level	Central Florida Quality	Consent Agreement LvI	CUP Level	Legislative Mandate Lvl	Legislative Mandate Quality	Natural Baseline Level	Natural Baseline Quality	Natural Baseline Quality	NC Florida Level	NE Florida Discharge		NE Florida Quality		Regional Quality	Regional Quality	Regional Semiannual Level	Volusia Discharge	Volusia Level	Volusia Quality	WSM - Toth - Quality
33F002	UNION CARBIDE 2	Surficial													2									
33F003 33F004	UNION CARBIDE 3 UNION CARBIDE 1	Floridan Floridan			-										2									-
34D008	KBMP NO. 2	Floridan													2									
34E001	CUMBERLAND ISL GGS TW 01	Floridan													2					2				
34E003	CUMBERLAND ISL GREYFIELD 02	Floridan													365									
34E010	ROCKEFELLA CUMB ISL NO 32	Floridan													2									
34E011	NPS PLUM ORCHARD	Floridan													2									-
34E012 34E013	PREDDICK  YANKEE PARADISE TRAIL WELL	Floridan													2									-
34E013	FOSTER	Floridan Floridan			_										2									
34E015	MISSOE	Intermediate													2									
34F009	BACON, MR.	Floridan													2									
34F010	GENERALS MOUND	Floridan													2									
34F011	PLATT, MR.	Floridan													2									
34F012	Mr Pomroy in Camden County GA	Floridan													2					2				
A-0002	HIGH SPRINGS	Floridan																		2				
A-0004	ALTO STRAUGHN FLORIDAN	Floridan Unconfined Floridan								12							12			2				-
A-0005 A-0016	OWENS-ILLINOIS #1  RUB MON 1 NR GAINESVILLE	Floridan	_		-		$\vdash$			12			_				12			2				_
A-0016 A-0035	BUD THOMAS	Floridan															12			2				
A-0038	DRISCOLL	Floridan																		2				
A-0056	DEERHAVEN POWER PLANT	Floridan																		2				
A-0068	USGS (93623601 10S17E22 CE-1A)	Floridan																		2				
A-0071	HAWTHORNE DEEP	Floridan															12		1	2				
A-0075	DNR - SAN FELASCO	Floridan																		2				
A-0135	Karen Newman (alias A.L. Moore)	Floridan																		2				
A-0436	HAWTHORNE TOWER	Surficial															12							
A-0693	ALACHUA COUNTY FG	Floridan															365		1	2				
A-0702 A-0706	ALACHUA COUNTY FG	Surficial Floridan			-										10		365 12			2				-
A-0708	ALACHUA COUNTY F-3 NR GAINESVILLE ALACHUA COUNTY F-5 NR HAWTHORNE	Floridan	_				$\vdash$								12		12			2				_
A-0712	VISA #2 NR GAINESVILLE	Floridan	_														12			2				
A-0713	VISA #3 NR GAINESVILLE	Floridan															12			2				
A-0725	ORANGE LAKE WEATHER STATION NR	Floridan								12		1					12		1	2				
B-0007	LOUIS HILL FIRE TWR	Floridan																		2				
B-0010	HIGHWAY 229 - RAIFORD C	Floridan																		2				
B-0012	USGS - GRAHAM	Floridan																		2				
BA0005	UNDETERMINED	Floridan																		2				
BA0009 BA0011	TAYLOR AT SR250 & SR125 (GS# B-9) USGS B-11	Floridan Floridan			-					12		1					12		1	2				-
BA0011	OCEAN POND	Floridan	_							12							12			2				_
BA0018	ONF #6 FLORIDAN	Floridan	_							12		1					12		1	2				
BA0019	MANNING	Floridan								12							12			2				
BA0054	MACCLENNY FIRETOWER	Floridan								365		1			365		365		1	2				
BA0055	MACCLENNY FIRETOWER	Intermediate								365					365		365							
BA0056	MACCLENNY FIRETOWER	Surficial								365					365		365							
BA0057	EDDY FIRETOWER	Floridan								365		1			365		365		1	2				
BA0058	EDDY FIRETOWER	Intermediate								365					365		365							
BA0059	EDDY FIRETOWER	Surficial								365					365		365		1					
BA0107 BR0001	City of MacClenney	Floridan	-		_		$\vdash$						-				12		1	2				-
BR0019	TEN MILE RANCH NR KENAN	Floridan	_														12							
BR0038	754031001 29S38E34 343 GRANT COUNTY PARK	Floridan															12			2				
BR0074	BR-74 USGS	Floridan																		2				
BR0107	754028002	Floridan																		2				
BR0208	JETTY PARK	Floridan																		2				
BR0288	754037007 29S37E04 232	Floridan																		2				
BR0299	814039076 26S36E06 444	Floridan																		2				
BR0341	800034072 28S37E36 424	Floridan																		2				
BR0424	759039005 29S37E06 322	Floridan			_		$\vdash$										265			2				-
BR0585 BR0586	ASTRONAUT HIGHHOOL AT MIMS FL	Floridan Floridan	_		2		$\vdash$						-				365 12		2	2				-
BR0608	Tico Airport  NASA NR GATE #2	Floridan	_				$\vdash$										12		1	2				
BR0624	SEBASTIAN STATE PARK 65	Floridan															365		2					
BR0625	SEBASTIAN STATE PARK 45	Floridan															365		2	2				
BR0645	PLATT NR MELBOURNE	Floridan															12		2	2				
BR1050	838042002 21S36E27 MERRI	Floridan																		2				
BR1444	DAN PLATT SARNO RD REPLA	Floridan																		2				
BR1469	ASTRONAUT HIGHHOOL AT MIMS FL	Surficial															365							
BR1526	SEMINOLE RANCH	Floridan			1		-									1	12		1					
BR1549	COCOA HIGH 70 FT AT COCOA FL	Intermediate	-		-		$\vdash$					-					365							-
	COCOA HIGH 30 FT AT COCOA	Surficial								1							365							
BR1550 BR1557	COCOA HIGHHOOL AT COCOA FL	Floridan															365		1	2				

			Central	Central	Central			Legislative	Natural	Natural	Natural								Regional				WSM -
SN	Site Name	Aquifer	Florida Discharge	Florida	Florida Quality	Consent CUI Agreement LvI Leve		Mandate Quality	Baseline Level	Baseline Quality	Baseline Quality		NE Florida Discharge		NE Florida Quality	Regional Level	Regional Quality	Regional Quality	Semiannual Level	Volusia Discharge	Volusia Level	Volusia Quality	Toth - Quality
BR1559	ST SEBASTIAN RIVER BUFFER PRES	Floridan	1				İ		1									2	2				
BR1572	ASTRONAUT HIGHHOOL AT MIMS FL	Floridan														365						2	
BR1595	SEMINOLE RANCH	Surficial														12							
BR1744	SEMINOLE RANCH NR MIMS FL	Intermediate														12			2				
BR1746 BR1748	805051003 27S35E31 331 (Brevard Landfill site)	Floridan Floridan					-									365		1	2				
BR1835	Ransom Road Replacement at NASA  Parrish Park-Scottsmoor	Floridan			-		_		_				_			12		4	2				
BR1842	DUDA RANCH L-2 (81204700	Floridan														12		-	2				
BR1844	192-SJR DEER PARK SE - UNIT 13	Floridan																	2				
C-0001	USGS C-30	Floridan																	2				
C-0009	MELROSE (SRWMD)	Floridan																	2				
C-0010	USGS C-29	Floridan																	2				
C-0018	ST MARYS-KRAFT #2	Floridan														12			2				
C-0031	LAKE GENEVA	Floridan												12									
C-0038	C-18 MUIR Well nr Doctors Lake	Floridan																	2				
C-0059	JOHN HUNTLEY WELL	Floridan			-				-				-		-				2				
C-0094 C-0116	USGS Test Well Nr Orange Park BROOKLYN LAKE	Floridan Intermediate					-							12		12 12		1	2				
C-0110	BROOKLYN LAKE BROOKLYN LAKE	Floridan					_		_				_	365		365		1	2				
C-0123	SUNGARDEN TOWER	Floridan							12		1		_	12		12		1	2				_
C-0124	SUNGARDEN TOWER 150ft	Intermediate							12					12		12							
C-0125	SUNGARDEN TOWER	Surficial							12					12		12							
C-0126	PENNEY FARMS TOWER	Surficial							365					365		365							
C-0127	PENNEY FARMS TOWER	Intermediate							365					365		365							
C-0128	PENNEY FARMS TOWER	Floridan							365		1			365		365		1	2				
C-0373	CITY OF GREEN COVE SPRINGS	Floridan																1					
C-0434	SUNGARDEN TOWER 126ft	Intermediate							12					12		12							
C-0435	YELLOW WATER CK NR MIDDLEBURG FL	Intermediate							12					12		12							
C-0436	LAKE GENEVA #1	Floridan			-				-				-	365	-	365							
C-0437 C-0438	LAKE GENEVA #2 LAKE GENEVA #3	Intermediate Surficial					_							365 365		365 365							
C-0442	CHESTER MOODY	Floridan												365		303							
C-0443	CHESTER MOODY	Intermediate												365									
C-0444	CHESTER MOODY	Surficial												365									
C-0452	BROOKLYN LAKE RPL	Surficial							12					12		12							
C-0453	GOLD HEAD #1	Floridan												365		365		1	2				
C-0454	GOLD HEAD #2	Intermediate												365		365							
C-0455	GOLD HEAD #3	Surficial												365		365							
C-0457	MCCRAE FIRE STATION	Floridan												12									
C-0458	MCCRAE FIRE STATION	Intermediate												12									
C-0459	MCCRAE FIRE STATION 8-13 ft	Surficial					-							12		12							
C-0563 C-0576	YELLOW WATER CK NR MIDDLEBURG FL aquifer 60-75 Ft BLS	Surficial Intermediate							_				_	12 365		365							
C-0577	aguifer 15-30 Ft BLS	Surficial							_				_	365		365							_
C-0578	Floridan 1085 - 1177 Ft BLS	Lower Floridan												365	2	365							
C-0579	aquifer 320-656 Ft BLS	Floridan												365	2	365			2				
C-0583	YELLOW WATER CK NR MIDDLEBURG FL	Floridan												12	1	12			2				
C-1009	Camp Blanding at SR21 & CR 315 - 15-20 Ft	Surficial												12		12							
C-1010	Camp Blanding at SR21 & CR 315 - 140-150 Ft	Intermediate												12		12							
C-1011	Camp Blanding at SR21 & CR 315 - 290-340 Ft	Floridan												12		12		4	2				
C-1012	Camp Blanding at SR16 55-65 ft	Surficial			-		+				-			12		12							
C-1013 C-1014	Camp Blanding at SR16 130-145 ft Camp Blanding at SR16 210-430 ft	Intermediate Floridan			-		+		-		-		-	12	4	12		-	2				
C-1014 C-1015	Camp Blanding at SR16 210-430 ft Camp Blanding Northern Perimeter - 25-30 Ft	Surficial	_		_		_		_				_	12	4	12							_
C-1015	Camp Blanding Northern Perimeter - 25-30 Ft  Camp Blanding Northern Perimeter - 64-74 Ft	Intermediate			1	<del>                                     </del>	+		+				1	12	4	12		-					
C-1010	Camp Blanding Northern Perimeter - 54-74 Pt  Camp Blanding Northern Perimeter - 500-550 Ft	Floridan							_					12	4	12			2				_
C-1020	Camp Blanding at SR21 & CR 315 - 55-65 Ft	Intermediate												12	4	12							
C-1026	Clarks Creek Near Leno 330-380 Ft	Floridan													4	12			2				
C-1030	Bayard Point Wildlife MA nr Green Cove Springs	Surficial																					
C-1031	Bayard Point Wildlife MA nr Green Cove Springs	Surficial																					
C-1032	Bayard Point Wildlife MA nr Green Cove Springs	Surficial																					
C-1033	Bayard Point Wildlife MA nr Green Cove Springs	Surficial																					
C-1034	Bayard Point Wildlife MA nr Green Cove Springs	Surficial			-										-								-
C-1035	Bayard Point Wildlife MA nr Green Cove Springs	Surficial			-				-	-	-	-	-	-	-	-							-
C-1036	Bayard Point Wildlife MA nr Green Cove Springs	Surficial			-		+		-		-		+		-			-					
C-1037 C-1038	Bayard Point Wildlife MA nr Green Cove Springs  Bayard Point Wildlife MA nr Green Cove Springs	Surficial Surficial	_		_		+								_								_
C-1038 C-1039	Bayard Point Wildlife MA nr Green Cove Springs  Bayard Point Wildlife MA nr Green Cove Springs	Surficial			-		_		_				_		_								
C-1039	Bayard Point Wildlife MA nr Green Cove Springs  Bayard Point Wildlife MA nr Green Cove Springs	Surficial					_		_				_										
C-1042	Bayard Point Wildlife MA nr Green Cove Springs	Surficial																					
C-1043	Bayard Point Wildlife MA nr Green Cove Springs	Surficial																					
C-1044	Bayard Point Wildlife MA nr Green Cove Springs	Surficial																					
C-1045	Bayard Point Wildlife MA nr Green Cove Springs	Surficial																					
	land the second	Floridan														12		4	2				
C-1056 C-1060	BLS Lake Asbury 29-39 ft	Surficial														12		4					

			Central Florida	Central Florida	Central Florida	Consent C	JP Legislative	Legislative Mandate	Natural Baseline	Natural Baseline	Natural Baseline	NC Florida	NE Florida	NE Florida	NE Florida	Regional	Regional	Regional	Regional Semiannual	Volusia	Volusia	Volusia	WSM - Toth -
SN	Site Name	Aquifer	Discharge	Level	Quality	Agreement LvI Le	vel Mandate Lv	l Quality	Level	Quality	Quality	Level	Discharge	Level	Quality	Level	Quality	Quality	Level	Discharge	Level	Quality	Quality
C-1063 CO0005		Floridan Floridan														12		4	2				
D-0009		Surficial												365		365							
D-0010		Intermediate												365		365							
D-0048	USGS 3450 SUNNY	Floridan																	2				
D-0085		Floridan																	2				
D-0160		Floridan												12		12			2				
D-0164 D-0221		Floridan							-		_	_	-			12		4	2				
D-0254		Floridan														12			2				
D-0259		Floridan														12		4	2				
D-0326	USGS Pot Map well owner unknown	Floridan																	2				
D-0348		Floridan																	2				
D-0401		Floridan																	2				
D-0424 D-0545	FT. CAROLINE NATIONAL P SOUTHSIDE FIRETOWER (GS# DS-520)	Floridan Surficial							-		_	_	-	365		12 365			2				
D-0546		Intermediate												365		365							
D-0547		Floridan												365		365		1	2				
D-0667	Panama Park	Floridan												12		12			2				
D-0673		Floridan												12		12		2	2				
D-1021		Floridan																	2				$\Box$
D-1154		Intermediate			-		_		-				-	12		12							
D-1156 D-1157		Intermediate Surficial		-	-				-				_	12 12		12 12	-	-					
D-1197 D-1292		Floridan				<del></del>			1					12		12		4					
D-1301		Floridan				3	35											4					
D-1307		Floridan														12		4	2				
D-1309		Floridan														12		4	2				
D-1312	GREENLAND PINES ELEMENTARY NR FRUIT COVE FL													12		12							
D-1313 D-1342	GREENLAND PINES ELEMENTARY NR FRUIT COVE FL													12	2	12			2				
D-1342 D-1344		Floridan Lower Floridan					_							365	4	365		1					
D-1393		Intermediate												365	-	365							
D-1394		Floridan												365	4	365							
D-1405	Dewey Park NAS JAX Surficial DSMW-38	Surficial												365		365							
D-1406		Surficial												365		365							
D-1411	Julington Creek SF 24-34 Ft	Surficial														365		4					
D-2386 D-2847		Lower Floridan Floridan					_		12					12		12			2				
D-3060		Lower Floridan							12		2					12		2					
D-4610		Lower Floridan													2	12							
F-0087	USGS FLAGLER TRIB 14	Floridan														12			2				
F-0158		Floridan														365			2				
F-0164		Intermediate														365			2				
F-0165 F-0174		Floridan Intermediate														365 12		1	2				
F-0174		Floridan														365		2	2				
F-0177		Surficial														365							
F-0191		Surficial														365							
F-0200		Floridan														365		1	2				
F-0206		Floridan			-				-									1					
F-0225 F-0240		Floridan	_						-	_	_	_	_					2	2				
F-0240 F-0251		Floridan							365		2					365		2	2				
F-0252		Surficial							12							12							
F-0286		Floridan														12			2				
F-0293	DINNER ISLAND	Intermediate														12							
F-0294		Floridan			-				-		-	-	-			12		2	2				
F-0295	DINNER ISLAND	Surficial							-				_			12							
F-0351 F-0352		Intermediate Surficial				<del></del>			-				_			365 365							
F-0353		Floridan													1	365			2				-
IR0040		Floridan																	2				
IR0114		Surficial														365							
IR0189		Floridan			-				-							12			2				
IR0312		Floridan			-				-				-			365		2	2				
IR0365 IR0366		Floridan Floridan		-	-				-				_	-			-	-	2				
IR0379		Floridan							1										2				
IR0383		Floridan																	2				
IR0900		Surficial														12							
IR0902	SJWCD NR SOUTH VERO BEACH FL	Surficial														365							
IR0921		Floridan			-				-							12		2					
IR0944 IR0946		Surficial Intermediate			-		_		-				-			12 12							
1170940	CORRIGAN RANCH NR WABASSO FL	miermediate	1					1	1		1	1	1			12							

			Central	Central	Central				Legislative	Natural	Natural	Natural							Regional				WSM -
SN	Site Name	Aquifer	Florida Discharge	Florida Level	Florida Quality	Consent Agreement Lvl		Legislative Mandate Lvl	Mandate Quality	Baseline Level	Baseline Quality	Baseline Quality	NC Florida Level	NE Florida NE Florid Discharge Level		Level	Regional Quality	Regional Quality	Semiannual Level	Volusia Discharge	Volusia Level	Volusia Quality	Toth - Quality
IR0947	SJWCD NR SOUTH VERO BEACH FL	Intermediate														365							
IR0954	SJWCD NR SOUTH VERO BEACH FL	Floridan														365			2				2
IR0955	DELTA FARMS NR FELLSMERE FL	Floridan														12		2	2				
IR0956 IR0963	DELTA FARMS NR FELLSMERE FL	Intermediate					-									12							2
IR0968	CORRIGAN RANCH NR WABASSO FL	Floridan														12 365		_	2				
IR0992	BLUE CYPRESS NR FELLSMERE FL	Floridan														365		2	2				
	DODGER STADIUM	Intermediate																					
IR0993 IR0999	DODGER STADIUM	Surficial Floridan													_	365			2				
IR1000	IR0342	Floridan														12 12							2
IR1006	DODGER STADIUM	Floridan	_												_	365			2				2
IR1008	VERO BEACH POWER PLANT	Floridan	_												_	365			2				
I-0001	CLERMONT DEEP REPLACEMENT AT CLERMONT FL		_												_	365			2				
L-0001	BLACK WATER CREEK 125	Floridan	_												_	303		2					$\overline{}$
L-0032	BLACK WATER CREEK 125 BLACK WATER CREEK 360	Floridan													_			2					$\overline{}$
L-0037	BLACK WATER CREEK 97	Floridan													_			2					
L-0038	NR ALEXANDER SPRINGS	Floridan								12		1			_	12		1	2				$\overline{}$
L-0040	MASCOTTE SHALLOW	Surficial								12		- '			_	12							
L-0043	LAKE YALE GROVES	Floridan													_	12			2				$\overline{}$
L-0050	HORSEHEAD POND (Unconfined aquifer)	Surficial													_	12							$\overline{}$
L-0051	HORSEHEAD POND (Floridan aquifer)	Floridan	+			-								<del>                                     </del>	_	12			2				$\overline{}$
L-0052	JOHNS LAKE	Floridan		12											_	12							$\overline{}$
L-0052	LAKE LOUISA STATE PARK	Floridan		12											_			1					$\overline{}$
L-0054	COLLEGE STREET AT LEESBU	Floridan													_	365							$\overline{}$
L-0056	ROMP # 101	Floridan													_	000			2				
L-0057	Eva Deep nr Clermont	Floridan								12					_	12			-				$\overline{}$
L-0059	NFS CROWS BLUFF	Floridan													_	12		2					
L-0062	MASCOTTE DEEP	Floridan														365		1	2				
L-0066	ALEXANDER SPRINGS	Floridan		365												000		1			365		
L-0095	GROVELAND TOWER	Floridan		000						365		1				365		1	2		000		
L-0096	GROVELAND TOWER - DE	Surficial								365						365							
L-0146	USGS 83213902 22S26E25	Floridan																	2				
L-0199	Turnpike well (Floridan) near Apopka Spring	Floridan		365														1					
L-0289	and Dam	Surficial		365																			
L-0290	Lock and Dam	Floridan		365														1	2				
1-0322	Juniper Hunt Club	Floridan																	2				
L-0339	LAKE 847-132-1 SORRENTO	Floridan																	2				
L-0373	852143121 18S26E32 J EIC (USGS)	Floridan																	2				
L-0380	USGS 855140 18S26E14	Floridan																	2				
L-0390	USGS 85813301 17S28E31	Floridan																	2				
L-0441	USFS WELL NR ASTOR	Floridan								12						12			2				
L-0455	ASTOR 150ft	Floridan														12		2	2				
L-0456	NR ALEXANDER SPRINGS	Surficial														12							
L-0460	ASTOR 30ft	Surficial														12							
L-0555	Green Swamp Test Well	Floridan																	2				
L-0591	HOWEY IN THE HILLS	Floridan																1					
L-0592	CITY OF LEESBURG	Floridan																1					
L-0593	CITY OF EUSTIS	Floridan																1					
L-0594	CITY OF LADY LAKE	Floridan																1					
L-0595	CITY OF UMATILLA	Floridan																1					
L-0596	CITY OF CLERMONT	Floridan																1					
L-0600	WOLF BRANCH SINK	Floridan																	2				
L-0620	CARROT BARN NR GRIFFIN FLOWWAY	Floridan								365		4				365		4	2				
L-0658	MONTVERDE	Floridan														6		1	2				
L-0663	Altoona - McTureous Park	Surficial		365																			
L-0664	DIXIE STREET BALLFIELD	Surficial														12							
L-0672	Eva Deep at Eva (Duplicate of L-0057) reuse	Floridan																	2				
L-0677	LAKE LOUISA STATE PARK NR CLERMONT FL	Floridan								365						365							
L-0693	TUSCANOOGA RD NR MASCOTTE	Surficial		365																			
L-0695	LAKE MACK NR DELAND FL	Surficial		365																			
L-0696	WELL NR CARLTON VILLAGE	Surficial		365																			
L-0697	SR33 NR GROVELAND	Surficial		365																			
L-0699	SR 452 & EMERALDA ISLAND RD	Surficial		365																			
L-0700	SR 466A NR FRUITLAND PARK	Surficial		365																			
L-0701	CARDINAL LANE NR MOUNT PLYMOUTH FL	Surficial		365																			
L-0702	BUNCH GROUND POND NR ALEXANDER SPRINGS FL			365																			
L-0703	CARROT BARN NR GRIFFIN FLOWWAY	Surficial								365						365							
L-0709	SMOKEHOUSE LAKE NR CLERMONT FL	Floridan								365		1				365		1					
L-0710	SMOKEHOUSE LAKE NR CLERMONT FL	Surficial								365						365							
L-0715	SEMINOLE STATE FOREST NR MT PLYMOUTH FL	Surficial		12																			
L-0716	SEMINOLE STATE FOREST NR MT PLYMOUTH FL	Surficial		12																			
L-0729	KEENE LAKE WELLS	Lower Floridan			1					365		1				365							
L-0730	KEENE LAKE WELLS	Floridan								365		1				365		1					
L-0799	SR 452 & Emeralda Rd	Surficial		365																			
L-0814	Seminole SF 33-38	Surficial		365																			

SN	Site Name	Aquifer	Central Florida Discharge	Central Florida Level	Central Florida Quality	Consent CUP Agreement LvI Leve		Legislative Mandate Quality	Natural Baseline Level	Natural Baseline Quality	Natural Baseline Quality		NE Florida Discharge		NE Florida Quality	Regional Level	Regional Quality	Regional Quality	Regional Semiannual Level	Volusia Discharge	Volusia Level	Volusia Quality	WSM - Toth - Quality
L-0815		Intermediate		365																			
L-0816	Seminole State Forest - Brantly Branch Road - 120-220 Ft				4		-							365		365			2				
L-0817 L-0829		Lower Floridan Surficial			4		-		-				-	365									_
L-0830	Lake Dorr T 1 nr Umatilla	Surficial																					
L-0831	Lake Dorr T 1 nr Umatilla	Surficial																					
L-0832	Lake Dorr T 1 nr Umatilla	Surficial																					
L-0833	Lake Dorr T 2 nr Umatilla	Surficial																					
L-0834	Lake Dorr T 2 nr Umatilla	Surficial					-																
L-0835 L-0836	Lake Dorr T 2 nr Umatilla  Lake Dorr T 2 nr Umatilla	Surficial Surficial			_		-		-				-										_
I -0837		Surficial					_																
L-0838	Lake Dorr T 3 nr Umatilla	Surficial																					
L-0839	Lake Dorr T 3 nr Umatilla	Surficial																					
L-0840		Surficial																					
L-0841	Boyscout Camp at Lake Norris	Surficial																					
L-0842	Boyscout Camp at Lake Norris	Surficial					-																
L-0843 L-0844	Boyscout Camp at Lake Norris	Surficial Surficial																					
L-0644 L-0845		Surficial																					_
L-0846	Boyscout Camp at Lake Norris	Surficial																					
L-0847	Boyscout Camp at Lake Norris	Surficial																					
L-0848	SW Shore on Lake Norris	Surficial																					
L-0849	SW Shore on Lake Norris	Surficial																					
L-0850	SW Shore on Lake Norris	Surficial																					
L-0851	SW Shore on Lake Norris	Surficial																					
L-0852 L-0853	SW Shore on Lake Norris SW Shore on Lake Norris	Surficial Surficial																					
L-0854	SW Shore on Lake Norris SW Shore on Lake Norris	Surficial																					_
L-0855	SW Shore on Lake Norris	Surficial																					
L-0856		Surficial																					
L-0857	SW Shore on Lake Norris	Surficial																					
L-0858	SW Shore on Lake Norris	Surficial																					
LE0001		Floridan							12										2				
M-0013		Floridan		12			-		12		1					12		1	2				
M-0021 M-0024		Floridan Floridan							12		1					12 12		1	2				
M-0024 M-0025		Floridan							365		-					365		- '	2				_
M-0026		Floridan							303							365		1	2				
M-0031		Floridan														12		1	2				
M-0036	CE55 SR314	Floridan																1					
M-0037		Floridan																1					
M-0038		Floridan														12			2				
M-0039		Floridan					-					12											
M-0040 M-0041		Floridan Floridan										12				12		1					
M-0044		Floridan							12		1					12		1	2				
M-0045	REDWATER LAKE	Surficial							12							12							
M-0049	SR19 & 40	Floridan							12		1							1					
M-0052		Floridan							365		1					365		1	2				
M-0059		Floridan																	2				
M-0061		Floridan					-												2				-
M-0062 M-0063		Floridan Floridan	_		-		-		-				-			12	-	1	2				-
M-0063 M-0112		Floridan					-		_				_			12		1	2				
M-0239		Floridan																1					
M-0306		Floridan																	2				
M-0321		Floridan														12			2				
M-0322		Floridan																1					
M-0360		Floridan																	2				-
M-0367		Floridan	-		-		-		12				-		-	12							-
M-0375 M-0411		Floridan Surficial	_	365	-		-		-				-				-	1					-
M-0411 M-0412	FSR 595 AND 579 NR SILVER SPRINGS SHORES FL BOMBING RANGE NR ASTOR FI	Surficial		365			-		_				_										
M-0413	Forest Service Rd 90 west of SR 19	Floridan		365																			
M-0414		Floridan		365																			
M-0419	SHERIFFS OFFICE AT OCALA FL	Floridan Unconfined														12		1	2				
M-0440	Samples from 0 to 143 Ft BLS are from a test hole 10 ft	Surficial							365							365							
M-0441		Floridan							365		1					365		1	2				
M-0443		Floridan							12		1					12		1	2				
M-0445		Floridan	-	365	1		-		1				-		-								
M-0463	Ft McCoy Elementary 130-180 Ft.  Belleview Elementary 64-115 Ft	Floridan	-		_		-		12		4	-	-			12		4	2				-
		Floridan	1		1	1 1	1						1		1	12		4	2	1			
M-0465 M-0467		Floridan														365		4	2				

SN	Site Name	Aquifer	Central Florida Discharge	Central Florida Level	Central Florida Quality	Consent CU		Legislative Mandate Quality	Natural Baseline Level	Natural Baseline Quality	Natural Baseline Quality	NC Florida Level	NE Florida	NE Florida Level	NE Florida Quality	Regional Level	Regional Quality	Regional Quality	Regional Semiannual Level	Volusia Discharge	Volusia Level	Volusia Quality	WSM - Toth - Quality
M-0472	Well #1 at Hopkins Prairie	Surficial													,								
M-0473	Well #2 at Hopkins Prairie	Surficial																					
M-0474	Well #3 at Hopkins Prairie	Surficial																					
M-0475 M-0476	Well #4 at Hopkins Prairie	Surficial Surficial						-															-
M-0476 M-0477	Well at Hopkins Prairie Well at Hopkins Prairie	Surficial		_					-			_	-		_								-
M-0477	Well at Hopkins Prairie Well at Hopkins Prairie	Surficial																					
M-0481	Blue House surficial well at Starkes Ferry	Surficial														12		4				$\overline{}$	
M-0483	Blue House Floridan well at Starkes Ferry	Floridan														12		4					
N-0003	FT CLINCH STATE PARK	Floridan														12							
N-0007	Mr Whitfield FI 107N Black Rock Rd	Floridan																	2				
N-0012	USGS N-50	Floridan																	2				
N-0046	AMELIA ISLAND	Floridan												4									
N-0116	Ralph Simmons WMA 379-389 ft IM	Intermediate							365		4			365		365		4					
N-0118	N-119 CHARLES ALLEN WEL	Floridan																	2				
N-0121	BECKER OIL	Floridan														12		1	2				
N-0190	FERNANDINA BEACH ITT#8	Floridan												365		365		2	2				
N-0199	TOWN OF HILLIARD	Floridan																1					
N-0220	CALLAHAN 650ft	Floridan							365		1			365		365		1	2				
N-0221	Ralph Simmions WMA 540-812ft UFA	Floridan			-	-			365		1		-	365		365		1	2				-
N-0222 N-0224	Ralph Simmons WMA 1760-1956 ft LFA	Lower Floridan Intermediate					_		365 365				_	365 365		365 365							-
N-0224 N-0225	Ralph Simmons WMA 380-390 ft IM	Intermediate		-			+		365				1	365		365							$\vdash$
N-0226	Ralph Simmons WMA 25-35 ft SF	Surficial							365					365		365						$\overline{}$	-
N-0227	CALLAHAN 27ft	Surficial							365					365		365							
N-0229	CAREY ST FOREST	Surficial							12					12		12							
N-0236	Callahan 1405ft	Lower Floridan									1			365	1	365		1					
N-0237	CAREY STATE FOREST NR BALDWIN FL	Floridan							12		1			12		12		1	2				
N-0239	CAREY STATE FOREST NR BALDWIN FL	Intermediate							12					12		12							
N-0284	USGS N-103 At Amelia City (McCranie)	Floridan												12		12			2				
N-0285	St Marys River SF nr Folkston	Surficial																					
N-0286	St Marys River SF nr Folkston	Surficial																					
N-0287	St Marys River SF nr Folkston	Surficial																					
N-0288	St Marys River SF nr Folkston	Surficial																					
N-0289	St Marys River SF nr Folkston	Surficial																					
N-0290	St Marys River SF nr Folkston	Surficial							-				-		_								-
N-0291	St Marys River SF nr Folkston	Surficial					-	-	-				-										-
N-0292 N-0293	St Marys River SF nr Folkston	Surficial Surficial					-	-															-
N-0293 N-0294	St Marys River SF nr Folkston St Marys River SF nr Folkston	Surficial																					
N-0295	St Marys River SF nr Folkston	Surficial																					
N-0296	St Marys River SF nr Folkston	Surficial																					
N-0297	St Marys River SF nr Folkston	Surficial																					
N-0298	St Marys River SF nr Folkston	Surficial																					
N-0299	St Marys River SF nr Folkston	Surficial																					
N-0300	St Marys River SF nr Folkston	Surficial																					
N-0301	St Marys River SF nr Folkston	Surficial																					
OK0001	FT DRUM	Floridan							12		1					12		1	2				
OK0018	727100 35S33E02 BASS (USGS)	Floridan																	2				$\square$
OK0019	727105 USGS thinks Floridan	Floridan																	2				
OK0037	OKF-40 EXP WELL S65C	Floridan			-			-	-				-						2				-
OK0043 OK0046	JONES WELL S DARK HAMMOCK 73704701 LATT MAXCY J-1	Floridan			-	-			-				-						2				-
OR0046 OR0003	73704701 LATT MAXCY J-1 Cocoa H Nr Bithlo	Floridan			4				-	_	_	_	-	_	_	12	_	_	2				-
OR0003 OR0007	BITHLO #1	Floridan		365	2		_		_				_			12			2				$\vdash$
OR0007 OR0009	LAKE ADAIR 9 AT ORLANDO	Floridan		- 555	-		_									12			-			-	-
OR0029	SE ORANGE COUNTY SR520	Floridan														12							
OR0030	BOGGY CREEK ROAD AT COUNTY LINE	Floridan														12			2				
OR0046	LAKE ADAIR 10 AT ORLANDO	Floridan														12							
OR0047	USGS OR47 AT ORLOVISTA C	Floridan		365														1	2				
OR0064	LAKE OLIVER DEEP	Floridan														12			2				
OR0082	Cocoa D nr Union Park	Floridan														12			2				
OR0104	Lake Mann Drainage Well	Floridan																	2				
OR0106	PLYMOUTH TOWER - DEEP	Floridan														12		1	2				
OR0107	PLYMOUTH TOWER - SH	Surficial														12							$\square$
OR0121	82112401 24S29E34 TELY (USGS)	Floridan																	2				$\square$
OR0265	COCOA OBS	Floridan			2											12			2				$\square$
OR0465	LAKE IVANHOE 2089ft	Lower Floridan														12		2					-
OR0467	LAKE IVANHOE 1350ft	Lower Floridan			-		_					_			-	12							-
OR0468	LAKE IVANHOE 450ft	Floridan			-				-				-			12			2				-
OR0508	82805402 23S34E15	Floridan		-	-		+		-			-	-		-	205			2				-
OR0546	Wekiwa Springs State Park IM	Intermediate		-	-	-	+	-	-			-	-		-	365							-
OR0547 OR0548	Wekiwa Springs State Park FL WEKIVA SPRINGS STATE PARK	Floridan Floridan	_				_		_				_			365 365		2	2				-
OR0546 OR0555	WINTER PARK PS WELL #8	Floridan					_		_				_			500		1				$\overline{}$	$\overline{}$
	FOR THE POPULATION OF THE	Tortuali							1				1										

			Central Florida	Central Florida	Central Florida	Consent	CUP Leg		Legislative Mandate	Natural Baseline	Natural Baseline	Natural Baseline	NC Florida	NE Florida	NE Florida	NE Florida	Regional	Regional	Regional	Regional Semiannual	Volusia	Volusia	Volusia	WSM - Toth -
SN	Site Name	Aquifer	Discharge	Level	Quality	Agreement Lvl			Quality	Level	Quality	Quality	Level	Discharge	Level	Quality	Level	Quality	Quality	Level	Discharge	Level	Quality	Quality
OR0563 OR0613	83111802 22S30E34 ENGLEWOOD SUBDIVISION WELL Cocoa S Lower Floridan	Lower Floridan		365													365			2				
OR0614		Lower Floridan		365													303							
OR0615		Floridan		365																				
OR0617		Floridan		12	2												12							
OR0618		Lower Floridan		12	2												12							
OR0648		Surficial		12													12							$\vdash$
OR0649 OR0650		Surficial Surficial		12 365													12							_
OR0651		Intermediate		365																				$\overline{}$
OR0652		Floridan		365															2					
OR0661		Surficial															12							
OR0662	ROCK SPRINGS 180FT AT ROCK SPRINGS SP	Floridan		365															2					
OR0664		Surficial		365													365							
OR0665		Surficial		365													365							$\perp$
OR0668	ALAFAYA TRAIL WTP NR UNION PARK	Lower Floridan		365	2		365										365							$\vdash$
OR0669 OR0673		Floridan		365 365	4	-														2				-
OR0675		Floridan		365	4			_						_				_					_	_
OR0676	ALAFAYA TRAIL WTP NR UNION PARK	Lower Floridan		365	2		365										365							-
OR0678		Floridan		365	2		365										365			2				
OR0740		Floridan					1.22										12			2				
OR0794	Plymouth Tower Deep 1050-1407 Ft	Lower Floridan															12		4					
OR0796		Floridan															12			2				
OS0001		Floridan																		2				
OS0004		Floridan															12		2	2				$\perp$
OS0022		Floridan		365																				$\vdash$
OS0023		Floridan		365		-																		-
OS0024 OS0025		Surficial Lower Floridan		365	2												365							-
OS0025		Floridan			2												303							$\vdash$
OS0028		Floridan			2																			
OS0031		Floridan			2																			
OS0033	816051 25S34E36 DSR38 USGS thinks Floridan	Floridan																		2				
OS0038		Floridan																		2				
OS0047		Floridan																		2				$\perp$
OS0050		Floridan																		2				$\vdash$
OS0051 OS0052		Floridan				-														2				-
OS0052 OS0069		Floridan								12							12			2				$\vdash$
OS0009		Floridan								12							12			2				-
OS0171	USGS 0S171 DESERET AT SR	Surficial		12						12														
OS0179		Surficial		365						365														
OS0227	ADAMS RANCH	Surficial		365																				
OS0228		Surficial		12						12							12							
OS0229		Intermediate		365																				$\vdash$
OS0230		Floridan		365															_					$\vdash$
OS0231 OS0232		Floridan Intermediate								12 12		2					12 12		2	2				
OS0232 OS0238		Floridan								12							12							-
OSF-4		Floridan								12							12			2				-
P-0001		Floridan													365				1					
P-0123		Floridan															365		1	2				
P-0143		Intermediate					365								365									
P-0146		Intermediate					365								365									
P-0148	1-11-1-11	Surficial															365							$\vdash$
P-0172		Floridan				40									365		365		2	2				$\vdash$
P-0246 P-0270		Floridan	_			12											12		2	2				-
P-0270 P-0306		Floridan		-						12		1					12	-	1	2			-	$\vdash$
P-0408		Floridan					365			12					365		12		1					
P-0409		Surficial					365								365									
P-0410		Floridan																	1					
P-0418		Floridan																	2					
P-0427		Floridan								12		1					12		1	2				$\vdash$
P-0450		Floridan											-	-	12	2								$\vdash$
P-0464		Floridan			-								-	-	-		12		1	2	-			$\vdash$
P-0469 P-0472		Floridan Floridan								12		1					12		1	2				$\vdash$
P-0472 P-0473		Surficial	_							12		- 1					12		-					-
P-0473		Floridan	_	-						12			-	-	12		12	-	2	2			-	$\vdash$
P-0475		Surficial													12		12							$\overline{}$
P-0493		Floridan																		2				
P-0495	CLIFTON ROAD	Floridan																	1					
P-0510	HOLLISTER WORK CENTER C	Floridan													12		12		1	2				

SN	Site Name	Aquifer	Central Florida Discharge	Central Florida Level	Central Florida Quality	Consent (	CUP Legislativ		Natural Baseline Level	Natural Baseline Quality	Natural Baseline Quality	NC Florida	a NE Florida Discharge		NE Florida Quality		Regional Quality	Regional Quality	Regional Semiannual Level	Volusia Discharge	Volusia Level	Volusia Quality	WSM - Toth - Quality
P-0511	HOLLISTER WORK CENTER U	Surficial						, , , ,						12	,	12	,	,					
P-0696	SILVER POND	Floridan					365							365									
P-0705	NILES ROAD	Floridan					365							365									$\perp$
P-0724	SILVER POND	Surficial					365		_			_	_	365		005						-	
P-0734 P-0735	MIDDLE ROAD - SH MIDDLE ROAD L-CF	Surficial Floridan	_					_	+				-			365 365						2	
P-0736	MIDDLE ROAD U-CF	Floridan						_	+			-	-			365			2			2	-
P-0737	MIDDLE ROAD - DEEP	Surficial							+			_	+			365							
P-0738	ROAD 77-B	Surficial							12							12							
P-0742	NILES ROAD	Surficial					365							365									
P-0772	LAKE GRANDIN	Floridan												12				1					
P-0773	LAKE GRANDIN	Intermediate												12									
P-0774	LAKE GRANDIN	Surficial												12									
P-0776	MARVIN JONES ROAD	Floridan											_	365									
P-0777	MARVIN JONES ROAD MARVIN JONES ROAD	Intermediate							+		-	-	-	365	_		_			_			
P-0778 P-0817	Nr Lk Broward Floridan (P-0413 Replace)	Surficial Floridan	_			12	12	_	+				-	365				1	2			H	
P-0817 P-0818	Nr Lake Broward Surficial	Surficial					12	_	+			-	-					1	2				-
P-0819	CARAVELLE RANCH	Surficial				12	12	+	_			+	_										_
P-0820	FRONTIER DANCE HALL	Surficial							365							365							
P-0821	FOREST ROAD 77	Surficial							1														
P-0822	FLORIDA ROCK MW-1	Floridan														12			2				
P-0830	BARGE PORT	Floridan												12									
P-0831	WELAKA STATE FOREST 15ft	Surficial																					
P-0832	WELAKA STATE FOREST 36ft	Surficial																					
P-0833	WELAKA STATE FOREST 15ft	Surficial																					
P-0879	E H MILLERHOOL	Surficial						-						12		12							
P-0883 P-0891	E H MILLERHOOL  E.H. Miller School	Intermediate Floridan	_					_	+				-	12 12	2	12			2			<u> </u>	
P-2035	LAKE STELLA NR CRESCENT CITY FL	Surficial						_				-	_	12		365							-
P-2036	LAKE STELLA NR CRESCENT CITY FL	Intermediate							+			_	+			365							
P-2037	LAKE STELLA NR CRESCENT CITY FL	Floridan														365		1	2				
P-4043	Murphy Island WTP	Floridan																					4
P-4044	Welaka State Forest nr Welaka	Surficial																					
P-4045	Welaka State Forest nr Welaka	Surficial																					
P-4046	Welaka State Forest nr Welaka	Surficial																					
P-4047	Welaka State Forest nr Welaka	Surficial																					
P-4048	Welaka State Forest nr Welaka	Surficial											_										
P-4049 P-4050	Welaka State Forest nr Welaka SJRWMD HQ Trail nr Palatka UC	Surficial Surficial						_	-				-									<u> </u>	
P-4051	SJRWMD HQ Trail nr Palatka UC	Surficial						_				-	_										-
P-4052	Caravelle Wildlife MA nr Welaka	Surficial						+	_			+	_										_
P-4053	Caravelle Wildlife MA nr Welaka	Surficial																					
P-4054	Ocala NF Road 77 East nr Welaka	Surficial																					
P-4055	Caravell Wildlife MA nr Welaka	Surficial																					
P-4056	Caravell Wildlife MA nr Welaka	Surficial																					
P-4057	Caravell Wildlife MA nr Welaka	Surficial																					
P-4058	Caravell Wildlife MA nr Welaka	Surficial																					
P-4059	Lake George Wildlife MA nr Crescent City	Surficial																					
P-4060	Lake George Wildlife MA nr Crescent City	Surficial											_										
P-4061 P-4062	Lake George Wildlife MA nr Crescent City  Lake George Wildlife MA nr Crescent City	Surficial Surficial						_															
P-4062 P-4063	Lake George Wildlife MA nr Crescent City	Surficial						-															
P-4064	Lake George Wildlife MA nr Crescent City	Surficial																					
P-4065	Lake George Wildlife MA nr Crescent City	Surficial																					
P-4066	Lake George Wildlife MA nr Crescent City	Surficial																					
P-4067	Lake George Wildlife MA nr Crescent City	Surficial																					
P-4068	Lake George Wildlife MA nr Crescent City	Surficial																					
P-4069	Lake George Wildlife MA nr Crescent City	Surficial																					
P-4070	Lake George Wildlife MA nr Crescent City	Surficial																					
P-4071	Lake George Wildlife MA nr Crescent City	Surficial						-	-			-	-									<u> </u>	$\vdash$
P-4072	Lake George Wildlife MA nr Crescent City	Surficial			-			+	-	-	-	-	-	-	-		-			-			$\vdash$
P-4073	Lake George Wildlife MA nr Crescent City	Odriioldi							+		-	-	-		_		_			_			
P-4074 P-4075	Lake George Wildlife MA nr Crescent City  Lake George Wildlife MA nr Crescent City	Surficial Surficial	_			-		+	+		-	_	_										$\vdash$
P-4075 P-4076	Welaka State Forest nr Welaka	Surficial							+			_	+										$\vdash$
P-4076 P-4077	Welaka State Forest nr Welaka Welaka State Forest nr Welaka	Surficial		-				+	+		+	_	+								-		$\vdash$
P-4077	Welaka State Forest nr Welaka	Surficial							_			_											
P-4079	Ocala NF Road 77 East nr Welaka	Surficial																					
P-4081	Buck Springs Road - 15-20 Ft BLS Unconfined aquifer	Surficial													4								
P-4083	aquifer	Floridan												365	4	365			2				
P-4084	Etoniah East V Rd nr Baywood (SF)	Surficial												365	4	365							
P-4085	Etoniah East V Rd nr Baywood (IM)	Intermediate												365		365							
P-4086	Etoniah East V Rd nr Baywood (FL)	Floridan												365	4	365			2				
PO0001	Thornhill Ranch Deep (Floridan aquifer) Nr Davenport FL	Floridan							12							12			2				

Solidar   Soli	Ш			Central	Central	Central			Legislative	Natural	Natural	Natural	 		 			Regional				WSM -
PROMONE   LAW CATTERING FOR ALAPINE   Profession	Ų.			Florida Discharge	Florida Level	Florida Quality	Consent CUP Agreement LvI Level	Legislative Mandate Lvl	Mandate Quality		Baseline Quality	Baseline Quality				Regional Quality	Regional Quality	Semiannual Level	Volusia Discharge	Volusia Level	Volusia Quality	Toth - Quality
MACHINESTICATE AND ALTONO   MACHINESTICATE AND ALTONO   Machinesticate										12					.=			2				
Medical Mile   Medical Mile															12			2				
								365	2								2	2				$\overline{}$
BOOK   STATE					2		000		12		2			12			2					
Section	С	COCHRAN FOREST EAST	Floridan						2								2					
	W	WINONA DRIVE	Floridan						2								2					
MODIFIC STATES AND ADDRESS   Postage   Mode   Mod	С	COCHRAN FOREST WEST							1													
Section   Sect			Floridan					365	2	365		2										
SECON   SOCIALA JAMENIL 60   Immeridate     366   2   366   2   366   3   366   3   366   3   366   3   3																	2					
SCORED   SOCIOLAL AMERILL IN   SOCIOLAL IN   SOCIO															365							
Section   Sect									2			2					2					
Seption   Sept								365														
Sept										365								2				
S-1914   ON-MOTTER STREET 300   Surficial				_	_						_			_	12			2				-
S-1015   OMENOTE STREET 70   Finds				_	_						_			_	205			2				-
S-1016																						
S-1077						2																
S-1023																						
S-1024   Character 195								365							000							
S-1098						2									365							
S-1078   OVEDOWTH AT OVEDO   Fordriden   2					12										- 30		2					
S-1198						2									12							
S-1193																						
S-1200   CHALUDAT COP FL   Floridan   12   2																		2				
S-1211			Floridan		12	2																
S-1224	С	CHULUOTA CDP FL	Floridan		12	2																
S-1225   VANKEE LAKE STPN RSANCORD   Lower Floridan   2	0	OVIEDO WTP	Surficial												12							
S-1230   VANCEL LACK STP NR SAMP   Floridam   2   2	G	GENEVA FS 540FT NR GENEVA						365	2													
S-1244																						
Selection   Sele						2									12			2				
S-1257   CITRUS ROAD WELL NR CASSELBERRY   Floridan   12   2																		2				
S.1275   Webnis Spring Elementary   Sufficial   385								365	2									2				
S-1276   Sear-Law Elementary						2																
S-1277   Lake Orienta Elementary   Surficial   365																						
S-1278   English Estates Elementary   Surficial   385																						
S-129																						
S-1280   Red Bug Lake Elementary   Surficial   385																						_
S-1281																						
S-1283   Greenwood Middelhood   Surficial   365																						
S-1284   Wilson Elementary   Surficial   365																						$\overline{}$
S-1286   Jackson Heights Elementary   Surficial   365																						$\overline{}$
S-1287	+		Surficial																			
S-1288   GENEVA FIRE STATION WELL NR GENEVA F.   Surficial   365																						
S-1291   Caselberry dementary   Surficial   365								365														
S-1294   Sabal Point Elementary   Surficial   365	С	Casselberry elementary	Surficial		365																	
S-1296   Seminole County Transportation Services   Surficial   365	K	Keeth Elementary																				
S-1297   Rook Late Middlehool   Surficial   365																						
S-1300   CHULUOTA COP FL   Surficial   12																						
S-1301 CHULUTA COP FL Surficial 12 Surficial 1365 Surficial 12 Surficial 1365	100																					
S-1310   YANKEE LAKE STP NR LAKE MARY FL   Surficial   12																						
S-1328																						
S-1329   CITRUS ROAD WELL NR CASSELBERRY   Lower Floridan   12   2					12										12							
S-1337 CITRUS ROAD WELL NR CASSELBERRY Surficial 12	-				- 10			365	2													
S-1351						2																
\$-1385						_					_			_								
S-1386 SANFORD ZOO NE SANFORD FL Surficial 385 S.1397 Sanford Zoo Ne Sanford Zoo				_																		
\$-1397   Sanford Zoo № Sanford - FL - 120-180 Ft   Floridan   365   4				_									_									
S-1398 Sanford Zoo Nr Sanford - FL - 330-370 Ft   Floridan   365 4	÷			_		4																-
																						-
																						-
S-1407 LAKE MARY DISPOSAL Floridan 12						<u> </u>																-
5-1408 LAKE MARY DISPOSAL Floridan 12																	1					-
S-1477 Seninole Env Ontr Surficial 12																	<u> </u>					-
S-1511 1289 which was abandoned Surficial 365																						-
															12			2				
\$J0025 USGS 8J-150 PONTE VEDRA TEST Lower Floridan 12 12 2			Lower Floridan											12	12		2					
	В	BAKERSVILLE TOWER	Floridan											365	365		2	2				
\$J0028 BAKERSVILLE TOWER Surficial 12 12																						
\$J0029   DURBIN FIRE TOWER   Floridan   365   365   1														365	365		1	2				
\$J0030   DURBIN FIRE TOWER   Intermediate       365   365																						
SJ0032         DURBIN FIRE TOWER         Surficial         365         365	D	DURBIN FIRE TOWER	Surficial											365	365							

011			Central Florida	Central Florida	Central Florida	Consent CU		Legislative Mandate	Natural Baseline	Natural Baseline	Natural Baseline		NE Florida			Regional	Regional	Regional	Regional Semiannual	Volusia	Volusia	Volusia	WSM - Toth -
SN SJ0092	Site Name  ANASTASIA STATE PARK	Aquifer	Discharge	Level	Quality	Agreement LvI Lev	el Mandate Lvi	Quality	Level	Quality	Quality	Level	Discharge	Level	Quality	Level	Quality	Quality	Level 2	Discharge	Level	Volusia Quality  1 1 2 2 2 1 1 4 4 2 2 2 2 1 1 1 4 4 2 2 2 1 1 1 4 4 2 2 2 1 1 1 1	Quality
SJ0115	OLD BRICK RD - 142-609 Ft	Floridan							365		1			365		365		1	2				
SJ0119	NR BAKERSVILLE	Floridan																2					
SJ0133	WILSON	Floridan																	2				
SJ0152	TILTON	Floridan												12									
SJ0263	DICK REID	Floridan						-						205		365		2	2				
SJ0317 SJ0329	SYKES Woodlawn Rd. nr St. Augustine 105-120 ft	Floridan Intermediate					_							365 365	4	365		2	2				
SJ0329	Woodlawn Rd. near St. Augustine 105-120 ft. Woodlawn Rd. near St. Augustine, 20-30 ft.	Surficial												365	4	365							
SJ0331	Woodlawn Rd. near St. Augustine. 275-527 Ft	Floridan												365	4	365		4	2				
SJ0333	Fort Matanzas SJRWMD observation well 75-175 Ft	Floridan												12	4	12		4	2				
SJ0412	ST AUGUSTINE AIRPORT (GS# SJ89)	Floridan												12				1					
SJ0508	Greenbrier Rd	Floridan														365		4	2				
SJ0516	DUPONT CENTER NR ST AUGUSTINE FL	Floridan												12		12		1	2				
SJ0517	DUPONT CENTER	Surficial												12		12							
SJ0602	RS 195 AT SR206	Floridan							12		1					12		1	2				$\overline{}$
SJ0754 SJ0822	PONTE VEDRA WTP WELL #1	Floridan Surficial							-				-	12		12		2				$\vdash$	
SJ0822 SJ0824	Treaty Park 18-28 ft Treaty Park 235-255 Ft	Floridan					_							12		12		4	2				
SJ2551	12 Mile Swamp 760-1500 ft	Lower Floridan					_							365	4	365		4				-	-
SJ2552	12 Mile Swamp 60-70 ft	Intermediate	_				-							365	4	303							
SJ2553	12 Mile Swamp 20-25 ft	Surficial												365	4								
SJ2556	12 Mile Swamp 275-680 ft	Floridan												365	4								
SJ2559	Stokes Landing nr Villano Beach	Surficial																					
SJ2560	Stokes Landing nr Villano Beach	Surficial																					
SJ2561	Stokes Landing nr Villano Beach	Surficial																					
SJ2562	Stokes Landing nr Villano Beach	Surficial																					
SJ2563	Stokes Landing nr Villano Beach	Surficial																					
SJ2564	Stokes Landing nr Villano Beach	Surficial																					$\overline{}$
SJ2565 SJ2570	Stokes Landing nr Villano Beach	Surficial Surficial						-															-
SJ2570 SJ2571	Stokes Landing nr Villano Beach Stokes Landing nr Villano Beach	Surficial					_															-	-
SJ2571	Stokes Landing nr Villano Beach	Surficial																				-	
SJ2573	Stokes Landing nr Villano Beach	Surficial																					
SJ2574	Guana State Park - Upper Floridan	Floridan												365	4	365			2				
SLF-27	BLUE TWO GROVES	Floridan																	2				
SLF-4	ORANGE CO OF FLA	Floridan																	2				
SLF-9	ADAMS RANCH	Floridan																	2				
SU0002	COMPRESSCO RANCH NR TARRY	Floridan																	2				
SU0003	84620301 ROMP DP WELL 111	Floridan																	2				$\overline{}$
U-0001	LAKE BUTLER	Floridan						-											2				
U-0004 V-0012	USGS NR LAKE BUTLER	Floridan Floridan		12			_												2		12		
V-0012 V-0028	USGS 05 DEEP HORSESHOE LAKE	Floridan		12			_														12	1	
V-0062	BARBERVILLE 200ft	Floridan	_				-														365		
V-0063	BARBERVILLE 25ft	Surficial																			12		
V-0064	COWARTS ROAD	Floridan																1			12		
V-0068	WEST PIERSON	Floridan														365			2				
V-0080	USGS NR DAYTONA 6IN	Floridan																2			12		
V-0081	USGS NR DELAND 6FT	Floridan														12							
V-0083	BLUE SPRINGS	Floridan														365			2				$\Box$
V-0086	TIGER BAY 222ft	Floridan			-			-	-				-						2		12	2	-
V-0087	TIGER BAY 20ft	Surficial	_		-				-		-		-			005					12		$\overline{}$
V-0088 V-0089	Union Camp Surficial JONES NR PIERSON	Surficial Floridan	_		-	36	5		-				_			365		-					$\vdash$
V-0089 V-0090	JONES NR PIERSON Union Camp Floridan	Floridan	_			36			+				_			365							
V-0090 V-0096	R. NOLAN NR SEVILLE	Floridan	+				+		+				1			12		-	2	$\vdash$			$\overline{}$
V-0099	I-95 & US92	Floridan																4			12		$\overline{}$
V-0100	NR DELAND 6FT - DEEP	Lower Floridan		12																	12		
V-0101	USGS OB AT ALAMANA FL C	Floridan														12			2		12	1	
V-0110	Samsula	Floridan																	2		12	2	
V-0113	ASHBY LAKE NR GLENCOE FL	Floridan																1					
V-0115	SR44 & Ridgewood at DeLand - FL	Floridan																	2		12	4	
V-0117	TW 9 N. SAMSULA	Floridan														12		1	2				
V-0118	DELAND	Floridan	_		-		_		-			_						<u> </u>	2		12		
V-0120	I-4 DP E. DELAND	Floridan	_						-				_					1					
V-0127 V-0129	DAYTONA JONES ISLAND	Floridan Floridan	_		-		_		+				_					1				-	
V-0129 V-0130	JONES ISLAND SR40 West Ormond Beach	Floridan	_				_		+				_								12		
V-0130 V-0142	SHELL HARBOR ROAD 8IN	Surficial	_				_														6	-	
V-0147	USGS FRANKLIN STREET	Floridan				36	5														-	1	
V-0156	GLENWOOD 4FT	Floridan				- 50	-														12	1	
V-0162	Port Orange OBS 2	Floridan														12		4					
V-0165	TOOK FARM	Floridan		12														2			12		
V-0166	TOOK FARM 4FT	Surficial		12																	12		

sn	Site Name	Aquifer	Central Florida Discharge	Central Florida Level	Central Florida Quality	Consent Agreement LvI	CUP Legisla		Natural Baseline Level	Natural Baseline Quality	Natural Baseline Quality		a NE Florida Discharge		NE Florida Quality	Regional Level	Regional Quality	Regional Quality	Regional Semiannual Level	Volusia Discharge	Volusia Level	Volusia Quality	WSM - Toth - Quality
V-0167	TOOK FARM 2FT	Surficial		12																	12		
V-0183 V-0184	TOMOKA TOWER AVON PK SEVILLE FIRETOWER	Floridan Floridan					365	-	_							365		1					
V-0185		Intermediate					12		_														_
V-0187	DAYTONA BEACH AIRPORT C	Floridan																2			12		
V-0188	TOMOKA TOWER	Floridan														365		4	2				
V-0192		Intermediate														12							
V-0193	TOMOKA TOWER	Surficial														12							
V-0196 V-0197	Orange City Firetower - FL Orange City Firetower - SF	Floridan Surficial							_							12 12		1	2				
V-0197		Floridan							12		1					12		1	2				_
V-0199	LAKE ASHBY TOWER	Surficial							12		<u> </u>					12							
V-0200	DAYTONA BEACH SHORES	Floridan																1	2		12		
V-0213		Floridan																				1	
V-0240		Floridan																				1	
V-0253		Floridan																1					
V-0381 V-0388	SR44 & 195 CHEVRON NEW SMYRNA BEACH	Floridan Floridan							_												12	4	
V-0388		Floridan																	2		12		
V-0435	GLENCOE ROAD SANDMINE C	Floridan																2	_		12		
V-0443	BELLMEADE CORPORATION C	Floridan																4					
V-0446	PINE TREE DRIVE	Floridan																4					
V-0449		Floridan				<u> </u>												4			12		
V-0501	1=	Intermediate					365														365		
V-0508	SMITH STREET & US1	Floridan					365									365		2	2		365		
V-0510 V-0524	J.C. Mew Replacement WEST PIERSON - DEEP	Floridan Intermediate	_				303		_			-				365					305		_
V-0525	WEST PIERSON - SH	Surficial														365							
V-0526	SHELL HARBOR ROAD	Intermediate														000					12		
V-0528	PIERSON AIRPORT	Surficial														365							
V-0530		Lower Floridan														365		1					
V-0531		Floridan														365		1	2				
V-0535	KALOTA NR PIERSON FL	Surficial																			6		
V-0536	KALOTA NR PIERSON FL CROSBY REALITY NR PIERSON FL	Intermediate							_												6		
V-0537 V-0538		Surficial Intermediate																			6		
V-0539	Tall Oaks drive (Replaces V-1058)	Surficial																			6		
V-0541	NOLAN RD NR PIERSON FL	Surficial																			6		
V-0542		Intermediate																			6		
V-0557	PIERSON AIRPORT	Intermediate														365							
V-0565	SEVILLE FIRETOWER	Surficial					365																
V-0566 V-0577	SEVILLE FIRETOWER	Intermediate Floridan					365		_												12		
V-0578	SHELL HARBOR ROAD SHELL HARBOR ROAD 30	Surficial																			12		
V-0700	ORMOND BEACH AT DAN FORD	Floridan																	2			1	
V-0742		Floridan														365		1	2			1	
V-0743		Intermediate														365							
V-0744	Lee Airport - SF	Surficial														365							
V-0769	SR40 & 11 - FL	Floridan					365											1			365	1	
V-0770 V-0772	SR40 & 11 - SF  Galaxy Middle School Nr Deltona FL	Surficial Floridan					365		_							365			2		365	2	
V-0774	GALAXY MIDDLEHOOL NR DELTONA FL	Lower Floridan							_							365						2	_
V-0776	Lake Helen Cemetery - Deep FL	Floridan		12																	12	2	
V-0777	Lake Helen Cemetery - Shallow FI	Floridan		12																	12	2	
V-0780	Orange City Firetower - LF	Lower Floridan														12						1	
V-0788		Floridan																				1	
V-0801	OSTEEN 317FT AT OSTEEN FL	Floridan														12						2	
V-0802 V-0808	CLARK BAY AT DAYTONA BEACH FL LAKE DAUGHARTY NR DELAND FL	Lower Floridan				205			_									1				2	
V-0810	SNOOK ROAD NR OSTEEN FL - FL	Floridan		365		365												- '			365	2	
V-0812	LAKE DAUGHRTY 25 FT NR DELAND FL	Surficial		505		365															505		
V-0813	LAKE DAUGHARTY 56 FT NR DELAND FL	Intermediate				365																	
V-0814	SNOOK ROAD NR OSTEEN FL	Surficial		365																	365		
V-0818	OSTEEN 188FT AT OSTEEN FL	Floridan														12			2			2	
V-0819	TIGER BAY NR SAMSULA FL	Lower Floridan			-		_				-	-			-							4	-
V-0821	OSTEEN AT OSTEEN FL	Surficial			-			-				-			-	12							-
V-0822 V-0836	OSTEEN AT OSTEEN FL MIGOR SHILOH RD NR OAKHILL FL - SF	Intermediate Surficial		-	+	-	-	-	_			-		-	-	12 12						-	
V-0837	Galaxy Middle School NR Deltona FL - SF	Surficial		365	+	+		_	+		-	1		-	1	365					365	-	
V-0838	Galaxy Middle School NR Deltona FL - SF	Surficial		365					_							365					365		
V-0840		Floridan														12			2			1	
		Intermediate										T				12							
V-0841	MIGOR SHILOH RD NR OAK HILL FL - IM																						
V-0841 V-0867 V-1028	MIGOR SHILOH RD NR OAK HILL FL - IM Holiday Hills City of DeLand DELEON SPRINGS 50ft	Floridan Surficial														365					365		

			Central Florida	Central Florida	Central Florida	Consent	CUP	Legislative	Legislative Mandate	Natural Baseline	Natural Baseline	Natural Baseline	NC Florida	NE Florida	NE Florido	NE Florido	Regional	Regional	Regional	Regional Semiannual	Volusia	Volusia	Volusia	WSM - Toth -
SN	Site Name	Aquifer	Discharge	Level		Agreement Lvi			Quality	Level	Quality	Quality		Discharge		Quality	Level	Quality	Quality	Level	Discharge	Level	Quality	Quality
V-1030	DELEON SPRINGS 200ft	Floridan										4.00					365		2	2		20101	2	
V-1034	LAKE HARNEY ROAD	Surficial																				6		
V-1035	OAK HILL 2FT - SH	Surficial																				6		
V-1036	OAK HILL 2FT - DEEP	Intermediate																				6		
V-1040	MULLER NR DELTONA	Surficial																				6		
V-1041	BOSTER PARK	Intermediate																				6		
V-1043	CANAVERAL SEASHORE PARK	Surficial																				6		
V-1045	COLEMANHOOL	Surficial																				6		
V-1049	DAVIS FERNERY	Surficial																				6		
V-1051	S.W. MIDDLEHOOL	Surficial																				6		
V-1052	S.W. MIDDLEHOOL	Intermediate																				6		
V-1056	GRAND AVENUE	Surficial																				6		
V-1059	TALL OAKS DR	Intermediate																				6		
V-1060	HORSESHOE LAKE	Surficial																				6		
V-1061	WOLF NR DELAND	Surficial																				6		
V-1062	LAWRENCE FARMS	Surficial																				6		
V-1063	LAWRENCE FARMS	Intermediate																				6		
V-1064	LAKE WOODRUFF	Surficial																				6		
V-1065	US92 NR DAYTONA	Surficial																				6		
V-1066	DELEON SPRINGS FIRETOWE	Surficial																				6		
V-1068	DEEP CREEK	Surficial																				6		
V-1071	HENDRIX 2IN	Surficial																				6		
V-1072	HENDRIX 2IN	Intermediate																				6		
V-1074	Shaw Lake Nr Pierson FL (Jones Fernery)	Surficial																				6		
V-1075	DEEP CREEK	Intermediate																				6		
V-1077	ORANGE CITY FIRETWR NR ORANGE CITY	Intermediate															12					6		
V-1082	NATIONAL GARDENS	Intermediate																				6		
V-1085	NATIONAL GARDENS 65ft	Surficial																				6		
V-1086	NATIONAL GARDENS 15ft	Surficial																				6		
V-1088	BULOW CREEK NORTH	Surficial																				6		
V-1089	TIGER BAY MILE WEST	Surficial																				6		
V-1091	South of Blue Spring (V-0082 replacement)	Floridan															365		2	2				
V-1092	I-95 Rest Stop Nr Ormond Beach FL - SF	Surficial															12							
V-1094	I-95 Rest Stop Nr Ormond Beach FL - FL	Floridan															12		2	2				
V-1096	SHUNZ ROAD NR SPRUCE CREEK	Surficial																				365		
V-1098	SHUNZ ROAD NR SPRUCE CREEK	Floridan																				365	2	
V-4024	Shunz Road near Spruce Creek	Surficial																				365		
V-4029	Lake George Wildlife MA nr Crescent City	Surficial																						
V-4030	Lake George Wildlife MA nr Crescent City	Surficial																						
V-4031	Lake George Wildlife MA nr Crescent City	Surficial																						
V-4033	Pine Island Replacement - FL	Floridan																	4					
V-4034	Old Bubby Road - Replaces V-0065	Floridan																				12	4	
X-22		Floridan																		2				