Hydrologic Conditions

for the month of

May 2012

Hydrologic Data Section Data Collection Bureau



June 26, 2012

http://www.watermatters.org

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INTRODUCTION

The Hydrologic Conditions Report is generated monthly by the Hydrologic Data Section, Data Collection Bureau, of the Southwest Florida Water Management District. This report provides an end-of-month analytical summary of regional and temporal variations in the hydrologic conditions across the District's 16-county area for planning and regulatory purposes. In addition, it provides an excellent historical record for long-term local and regional hydrologic analysis.

The Hydrologic Data Section is responsible for the implementation and maintenance of a network of observation and monitoring stations used to track changes in various hydrologic parameters over time. Data collected are used by the regulatory, technical, and analytical sections of the District. Data recently collected and maintained by the section include: station and basin rainfall totals, stream and spring discharge measurements, and surface and ground water levels. Frequency of data collection ranges from hourly to monthly readings. All data collected are processed and analyzed, then uploaded into the Water Management Data Base for general access by the District. The Water Management Data Base is also periodically augmented from the United States Geological Survey's hydrologic data network.

The data presented in this report are monthly rainfall totals, streamflow, springflow, surface and ground water levels, reservoir levels and the Aquifer Resource Index. Associated maps of station locations are at the end of the report in the Appendices. Also reported herein are levels of public supply surface water reservoirs supplemented by various regional utilities. The data contained in this report was collected and analyzed in accordance with generally accepted procedures consistent with applicable scientific and technical standards of practice. The data presented are considered to be the best available at the time of publication and are subject to revision. Any questions about the significance, accuracy, or interpretation of these data should be referred to Granville Kinsman, Manager of the Hydrologic Data Section at (352) 796-7211 or (800) 423-1476, extension 4284.

The data evaluation, analyses and interpretation contained within this report have been prepared or approved by a certified Professional Geologist in accordance with Chapter 492, Florida Statutes.

Registration #PG-1704

Americans with Disabilities Act (ADA)

The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District's functions, including access to and participation in the District's programs and activities. Anyone requiring reasonable accommodation as provided for in the Americans with Disabilities Act should contact the District's Human Resources Director, 2379 Broad Street, Brooksville, Florida 34604-6899; telephone (352) 796-7211, ext. 4702 or 1-800-423-1476 (FL only), ext. 4702; TDD (FL only) 1-800-231-6103; or email to ADACoordinator@swfwmd.state.fl.us.

EXECUTIVE SUMMARY

Provisional Hydrologic Conditions as of June 20, 2012

Provisional rainfall totals are provided for the period of June 1, 2012 through June 20, 2012. The northern region has received an average of 5.48 inches, while the historic mean for the northern region for the month of June is 7.43 inches. The central region has received an average of 6.61 inches, while the historic mean for the central region for June is 6.96 inches. The southern region has received an average of 7.07 inches, while the historic mean for the southern region for June is 7.90 inches. District-wide, rainfall averaged 6.46 inches, while the historic mean for the District for June is 7.41 inches.

Provisional lake level data indicate that during the first 19 days of June, regional water levels have increased in all regions of the District. Average lake levels in the northern region increased an average of 0.39 foot and were 5.59 feet below the base of the normal range. Lake levels in the Tampa Bay region increased an average of 0.25 foot and were 0.78 foot below the base of the normal range. Lake levels in the Polk Uplands region increased 0.27 foot and were 1.90 feet below the base of the normal range. The Lake Wales Ridge region posted an average increase of 0.07 foot and was 4.46 feet below the base of the normal range.

As of June 18, 2012, provisional data indicates average streamflow increased in all three regions of the District, compared to last month's data from regional index streams. Normal streamflow is defined as flow that falls on or between the 25th and 75th percentiles. The average streamflow for the Withlacoochee River near Holder in the northern region was below-normal at the 1st percentile. The average streamflow for the Hillsborough River near Zephyrhills in the central region was at the base of the normal range at the 25th percentile, while flow in the Peace River at Arcadia in the southern region was normal at the 31st percentile.

Provisional groundwater data, as of June 18, 2012, indicate that levels in the intermediate and Floridan aquifers increased in all three regions of the District, compared to last month's data. Aquifer levels were within the normal range in all regions of the District. The normal range is defined as levels that fall on or between the 25th and 75th percentiles. The groundwater level in the northern region was at the 27th percentile, while the level in the central region was at the 38th percentile and the southern region was at the 29th percentile.

EXECUTIVE SUMMARY

Hydrologic Conditions for May 2012

In May, average rainfall totals were above-normal in the northern region of the District, while they were within the normal range in the central and southern regions. The normal range for rainfall is defined by totals that fall on or between the 25th to 75th percentiles of the historical monthly accumulation for each region and where the 50th percentile represents the historical median. The northern region received an average of 6.07 inches of rainfall, equivalent to the 87th percentile of the historical May record. The central region received an average of 3.21 inches of rainfall, equivalent to the 59th percentile, while the southern region received an average of 2.80 inches of rainfall, equivalent to the 39th percentile of the historical May record. The District-wide rainfall average of 3.86 inches was equivalent to the 65th percentile of the historical May record.

During the eight-month "dry season," the period from October 1, 2011 through May 31, 2012, rainfall totals for all three regions of the District were below-normal. The northern region received an average of 18.20 inches of rainfall, which was 5.22 inches below the historical "dry season" mean rainfall of 23.42 inches. This rainfall average was equivalent to the 24th percentile of historical "dry season" mean rainfall and is classified as "drier than normal." The central region received an average of 15.21 inches of rainfall, which was 6.53 inches below the historical mean of 21.74 inches. This rainfall average was equivalent to the 20th percentile of the historical "dry season" mean rainfall and is classified as "drier than normal." The southern region received an average rainfall accumulation of 13.68 inches, which was 7.08 inches below the historical mean of 20.76 inches. This rainfall average was equivalent to the 15th percentile of the historical "dry season" mean rainfall and is classified as "drier than normal." District-wide, the "dry season" average rainfall was 15.51 inches, which was 6.36 inches below the historical "dry season" mean rainfall of 21.87 inches. This rainfall average was equivalent to the 19th percentile of the historical "dry season" mean rainfall and is classified as "drier than normal."

During the 12-month period from June 1, 2011 through May 31, 2012, the average rainfall totals in the northern and central regions of the District were classified as "drier than normal," while the southern region was classified as "very dry." The northern region received an average of 44.03 inches of rainfall, equivalent to the 14th percentile of the historical annual record. The central region received an average of 43.93 inches of rainfall, equivalent to the 18th percentile, while the southern region received an average of 41.51 inches of rainfall, equivalent to the 9th percentile. The District-wide rainfall average of 43.12 inches was equivalent to the 10th percentile of the historical annual record.

Average lake levels in May were below the annual normal range in the Northern, Tampa Bay, Polk Uplands and Lake Wales Ridge regions of the District. Normal lake levels are defined as levels that fall between the minimum low management level and the minimum flood level. Lake levels in the Northern region decreased by an average of 0.50 foot and were 5.98 feet below the base of the annual normal range. Lake levels in the Tampa Bay region decreased an average of 0.54 foot and were 1.03 feet below the base of the annual normal range. Lake levels in the Polk Uplands region decreased 0.29 foot and were 2.17 feet below the base of the annual normal range. Average lake levels in the Lake Wales Ridge region decreased 0.32 foot and ended the month 4.53 feet below the base of the annual normal range.

Total streamflow in regional index streams, in May, was below-normal in all three regions of the District. Normal streamflow is defined as the flow that falls on or between the 25th and 75th percentiles. Streamflow measured at the Withlacoochee River near Holder station in the northern region was in the 1st percentile. Streamflow in the Hillsborough River near Zephyrhills station in the central region was in the 4th percentile, while total streamflow measured at the Peace River at Arcadia station in the southern region was in the 2nd percentile during May.

In May, groundwater data showed that levels in the intermediate and Floridan aquifers were below-normal in all three regions of the District. The normal range is defined as the level that falls on or between the 25th and 75th percentiles. The groundwater level in the northern region was in the 13th percentile, while levels in the central and southern regions were in the 22nd and 18th percentiles, respectively.

REGIONAL OVERVIEW OF HYDROLOGIC CONDITIONS

MAY 2012

Northern Region

In May, the northern region received an average of 6.07 inches of rainfall, equivalent to the 87th percentile of the historical May readings, which is considered "wetter than normal." Average lake levels decreased in the northern region and ended the month an average of 5.98 feet below the base of the annual normal range. Total streamflow measured in the Withlacoochee River near Holder station decreased and was in the 1st percentile. Regional groundwater levels indicated average surficial aquifer water levels decreased and were in the 8th percentile; while levels in the intermediate and Floridan aquifer decreased and were in the 13th percentile.

Central Region

In May, the central region received an average of 3.21 inches of rainfall, equivalent to the 59th percentile of historical May readings, which is considered "normal." Average lake levels decreased in the Tampa Bay and Polk Uplands regions, ending the month 1.03 and 2.17 feet, respectively, below the base of the annual range. Total streamflow measured at the Hillsborough River near Zephyrhills station decreased and was in the 4th percentile. Regional groundwater levels indicated average surficial aquifer water levels decreased and were in the 47th percentile; while levels in the intermediate and Floridan aquifer decreased and were in the 22nd percentile.

Southern Region

In May, the southern region received an average of 2.80 inches of rainfall, equivalent to the 39th percentile of historical May readings, which is considered "normal." Average lake levels decreased in the Lake Wales Ridge region and ended the month 4.53 feet below the base of the annual normal range. Total streamflow measured at the Peace River at Arcadia station decreased and was in the 2nd percentile. Regional groundwater levels indicated average surficial aquifer water levels decreased and were in the 15th percentile; while levels in the intermediate and Floridan aquifer decreased and were in the 18th percentile.

RAINFALL

The rainfall data used for all tabulations in this report are provided to the District under contract with an external vendor. These data are created by enhancing contractor-developed NEXRAD radar rainfall imagery with hourly rainfall data collected from the District's network of real-time gauges. This process results in highly accurate cell-based rainfall data representative of conditions over the entire District, including those portions where rainfall data collection would otherwise be limited due to gaps in the gauging network.

As defined by the United States Geological Survey (USGS), a percentile is a value on a scale of one hundred that indicates the percent of a distribution that is equal to or below it. For example, a rainfall total equivalent to the 90th percentile is equal to or greater than 90 percent of the rainfall totals recorded for this month during all years that totals have been recorded.

Percentiles for rainfall were calculated from the historical record by region, and by specific interval. The "wet season" total is the sum of the rainfall from June through September. The "dry season" total is the sum of the rainfall from October through May. The annual total characterization was calculated from a dataset of moving 12-month rainfall sum for the same period (1915 through the most recent completed year). The moving 12-month rainfall sum was used for annual statistics because it provided a much larger dataset, and therefore a better estimate of the true percentiles. The historical 12-month cumulative average is updated monthly.

Characterization ranges were established for each region, and for the whole District, with breaks at the 10th (P10), the 25th (P25), the 75th (P75) and the 90th (P90) percentiles. The rainfall in inches for each percentile break, by rainfall interval and by region and the characterization ranges are summarized in the Appendix.

In May, rainfall totals were above-normal in the northern region of the District, while they were within the normal range in the central and southern regions. The normal range for rainfall is defined by totals that fall on or between the 25th to 75th percentiles of the historical monthly average for each region and where the 50th percentile represents the historical mean. The northern region received an average of 6.07 inches of rainfall, equivalent to the 87th percentile of the historical record. The central region received an average of 3.21 inches, equivalent to the 59th percentile; while the southern region received an average of 2.80 inches, equivalent to the 39th percentile. District-wide, rainfall averaged 3.86 inches, which is equivalent to the 65th percentile of the historical May record.

During the eight-month "dry season," the period from October 1, 2011 through May 31, 2012, rainfall totals for all three regions of the District were below-normal. The northern region received an average of 18.20 inches of rainfall, which was 5.22 inches below the historical "dry season" mean rainfall of 23.42 inches. This rainfall average was equivalent to the 24th percentile of historical "dry season" mean rainfall and is classified as "drier than normal." The central region received an average of 15.21 inches of rainfall, which was 6.53 inches below the historical mean of 21.74 inches. This rainfall average was equivalent to the 20th percentile of the historical "dry season" mean rainfall and is classified as "drier than normal." The southern region received an average rainfall accumulation of 13.68 inches, which

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During the 12-month period from June 1, 2011 through May 31, 2012, the average rainfall totals in the northern and central regions were classified as "drier than normal," while rainfall totals in the southern region was classified as "very dry." The northern region received an average of 44.03 inches of rainfall, equivalent to the 14th percentile of the historical record. The central region received an average of 43.93 inches of rainfall, equivalent to the 18th percentile. The southern region received an average of 41.51 inches of rainfall, equivalent to the 9th percentile. The District-wide rainfall average was 43.12 inches, which is equivalent to the 10th percentile of the historical annual record.

Tampa Monthly Climate Summary for May 2012

According to the National Weather Service, the monthly average temperature (°F) for Tampa was 80.7 degrees, which was 2.3 degrees above normal. The highest temperature recorded during the month was 96 degrees, while the lowest temperature recorded during the month was 67 degrees. The May 2012 monthly average temperature of 80.7 degrees ranks as the 5th warmest May since records began in 1890. The warmest May had an average temperature of 81.7 degrees which occurred in 1995.

Temperature and Precipitation Outlook

The Climate Prediction Center's (CPC) three-month weather forecast, as of June 21, 2012, indicates above-normal rainfall in all three regions of the District from July through September 2012. The temperature forecast for this same time-period is for above-normal temperatures in all three regions of the District.

For more information log on to the CPC's website at:

http://www.cpc.ncep.noaa.gov/products/OUTLOOKS_index.html

RELATIONSHIP OF MAY 2012 RAINFALL TO HISTORICAL RAINFALL AVERAGES

Regional Summary:

Region	MAY 2012 Average Rainfall	Historical Average for MAY	Departure from Historical Average	Calendar Year 2012 Cumulative Rainfall JAN-MAY	Calendar Year Historical Cumulative Rainfall JAN-MAY	Departure from Historical Cumulative MAY 2012	Cumulative 12-month Rainfall JUN 2011- MAY 2012	Historical 12-month Cumulative Rainfall	Departure from Historical 12-month Cumulative
Northern Counties	6.07	3.65	2.42	12.92	16.08	-3.16	44.03	53.49	-9.46
Central Counties	3.21	3.32	-0.11	8.55	14.65	-6.10	43.93	52.29	-8.36
Southern Counties	2.80	3.61	-0.81	7.93	13.94	-6.01	41.51	52.34	-10.83
District All Counties	3.86	3.51	0.35	9.55	14.80	-5.25	43.12	52.64	-9.52
Regional Counti	es Summary:								
NORTHERN COUNTIES	MAY 2012 Average Rainfall	Historical Average for MAY	Departure from Historical Average	Calendar Year 2012 Cumulative Rainfall JAN-MAY	Calendar Year Historical Cumulative Rainfall JAN-MAY	Departure from Historical Cumulative MAY 2012	Cumulative 12-month Rainfall JUN 2011- MAY 2012	Historical 12-month Cumulative Rainfall	Departure from Historical 12-month Cumulative
Levy County Marion County Citrus County Sumter County Hernando County	4.77	3.24	1.53	11.53	16.66	-5.13	41.64	53.74	-12.10
	6.44	3.73	2.71	13.64	16.72	-3.08	43.89	54.20	-10.31
	7.26	3.57	3.69	14.77	15.99	-1.22	47.08	53.97	-6.89
	5.56	3.73	1.83	11.74	15.88	-4.14	41.06	51.98	-10.92
	6.13	3.62	2.51	12.84	16.03	-3.19	45.90	54.94	-9.04
Pasco County Pinellas County Hillsborough County Polk County SOUTHERN COUNTIES	4.32	3.59	0.73	10.74	15.64	-4.90	45.67	53.92	-8.25
	3.12	2.83	0.29	8.65	14.06	-5.41	47.97	51.61	-3.64
	2.31	3.49	-1.18	7.38	14.65	-7.27	43.29	52.50	-9.21
	3.31	4.14	-0.83	8.28	15.15	-6.87	42.81	51.98	-9.17
Manatee County Hardee County Highlands County Sarasota County DeSoto County Charlotte County	3.13	3.15	-0.02	8.06	13.83	-5.77	39.55	53.50	-13.95
	2.31	3.90	-1.59	7.29	14.18	-6.89	40.97	52.17	-11.20
	3.89	4.02	-0.13	10.34	13.96	-3.62	45.36	51.86	-6.50
	2.18	3.04	-0.86	7.45	13.29	-5.84	38.39	52.62	-14.23
	2.41	3.78	-1.37	7.60	13.49	-5.89	42.56	51.79	-9.23
	3.40	3.48	-0.08	7.69	12.74	-5.05	45.06	52.28	-7.22

MAY 2012 RAINFALL CHARACTERIZATION

Regional Characterization:

Region	MAY 2012 Average Rainfall	Historical MAY Percentile	MAY Rainfall Characterization	J	Cumulative 12-month Rainfall IUN 2011- MAY 2012	Historical 12-month Cumulative Percentile	12-month Cumulative Rainfall Characterization	
Northern Counties Central Counties Southern Counties District Counties	6.07 3.21 2.80 3.86	87 59 39 65	Wetter than normal Normal Normal Normal		44.03 43.93 41.51 43.12	14 18 9 10	Drier than normal Drier than normal Very dry Drier than normal	
Regional Counti	es Characteriz	ation:						
NORTHERN COUNTIES	MAY 2012 Average Rainfall	Historical MAY Percentile	MAY Rainfall Characterization	J	Cumulative 12-month Rainfall IUN 2011- MAY 2012	Historical 12-month Cumulative Percentile	12-month Cumulative Rainfall Characterization	
Levy County Marion County Citrus County Sumter County Hernando County CENTRAL COUNTIES	4.77 6.44 7.26 5.56 6.13	82 84 92 82 89	Wetter than normal Wetter than normal Very wet Wetter than normal Wetter than normal		41.64 43.89 47.08 41.06 45.90	8 12 23 10 17	Very dry Drier than normal Drier than normal Drier than normal Drier than normal	
Pasco County Pinellas County Hillsborough County Polk County	4.32 3.12 2.31 3.31	67 64 33 45	Normal Normal Normal Normal		45.67 47.97 43.29 42.81	20 37 16 13	Drier than normal Normal Drier than normal Drier than normal	
Manatee County Hardee County Highlands County Sarasota County DeSoto County Charlotte County	3.13 2.31 3.89 2.18 2.41 3.40	59 31 54 42 32 52	Normal Normal Normal Normal Normal Normal		39.55 40.97 45.36 38.39 42.56 45.06	5 10 23 6 17 26	Very dry Drier than normal Drier than normal Very dry Drier than normal Normal	

RELATIONSHIP OF DRY SEASON (OCT 2011 to MAY 2012) RAINFALL TO HISTORICAL DRY SEASON RAINFALL

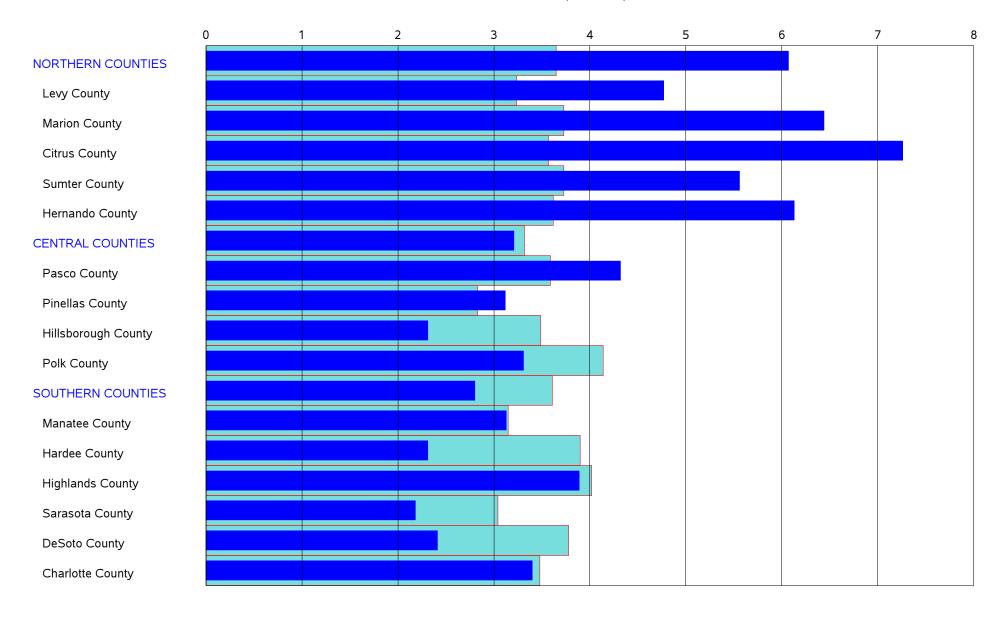
Regional Characterization:

Region	Dry Season Rainfall OCT 2011- MAY 2012	Historical Dry Season Rainfall Average	Departure from Historical Rainfall Average	Historical Dry Season Percentile	Dry Season Rainfall Characterization OCT 2011- MAY 2012
Northern Counties Cental Counties Southern Counties District Counties	18.20	23.42	-5.22	24%	Drier than normal
	15.21	21.74	-6.53	20%	Drier than normal
	13.68	20.76	-7.08	15%	Drier than normal
	15.51	21.87	-6.36	19%	Drier than normal

Regional Counties Characterization:

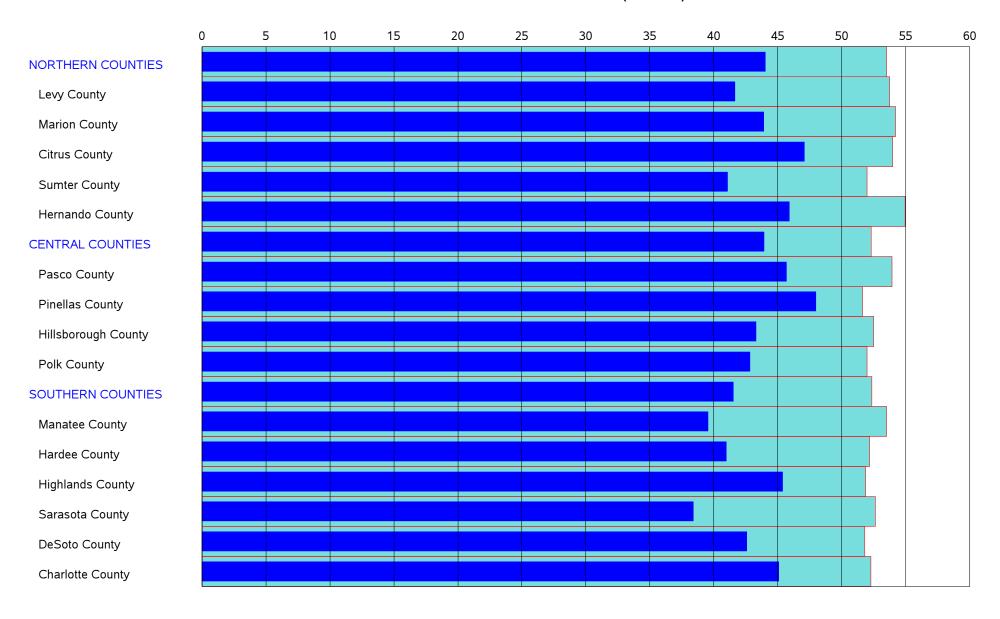
NORTHERN COUNTIES	Dry Season Rainfall OCT 2011- MAY 2012	Historical Dry Season Rainfall Average	Departure from Historical Rainfall Average	Historical Dry Season Percentile	Dry Season Rainfall Characterization OCT 2011- MAY 2012
Levy County	17.50	24.49	-6.99	19%	Drier than normal
Marion County	20.88	24.42	-3.54	39%	Normal
Citrus County	19.25	23.25	-4.00	34%	Normal
Sumter County	16.14	23.03	-6.89	19%	Drier than normal
Hernando County	17.39	23.43	-6.04	22%	Drier than normal
CENTRAL COUNTIES					
Pasco County	15.71	22.93	-7.22	18%	Drier than normal
Pinellas County	12.97	21.30	-8.33	15%	Drier than normal
Hillsborough County	13.06	21.49	-8.43	9%	Very dry
Polk County	16.83	21.89	-5.06	22%	Drier than normal
SOUTHERN COUNTIES					
Manatee County Hardee County Highlands County Sarasota County DeSoto County Charlotte County	12.17	20.79	-8.62	11%	Drier than normal
	13.67	20.75	-7.08	15%	Drier than normal
	19.53	20.82	-1.29	40%	Normal
	11.15	20.35	-9.20	9%	Very dry
	13.11	20.27	-7.16	19%	Drier than normal
	15.65	19.60	-3.95	35%	Normal

MAY 2012 RAINFALL HISTORIC AVERAGE VS HISTORICAL MAY AVERAGE (INCHES)

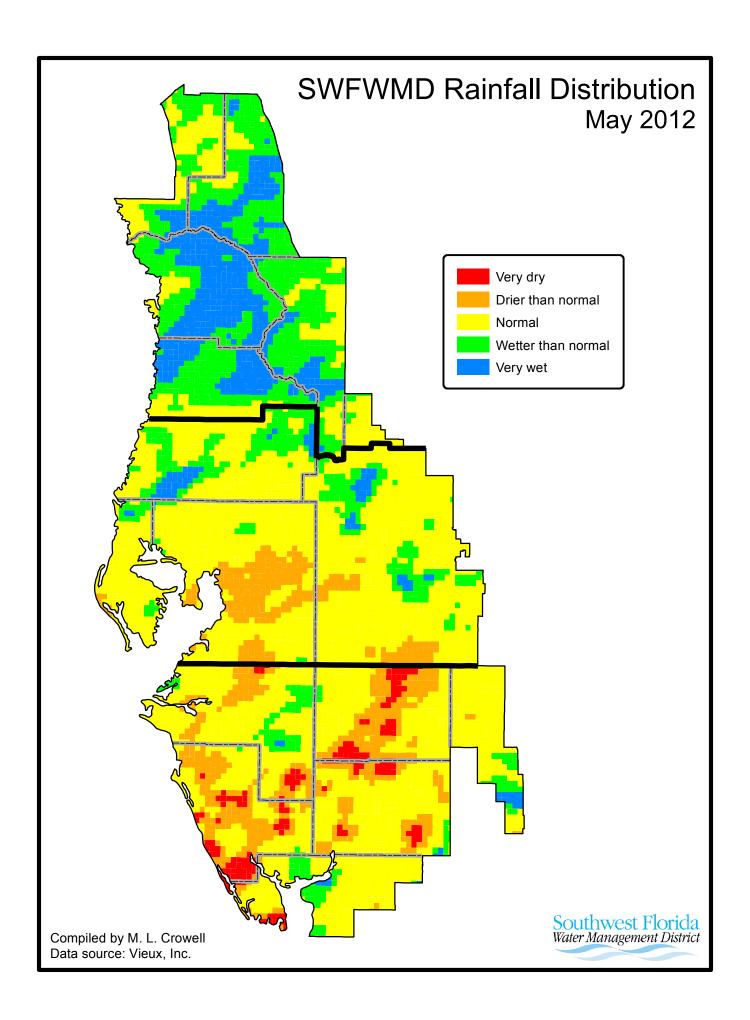


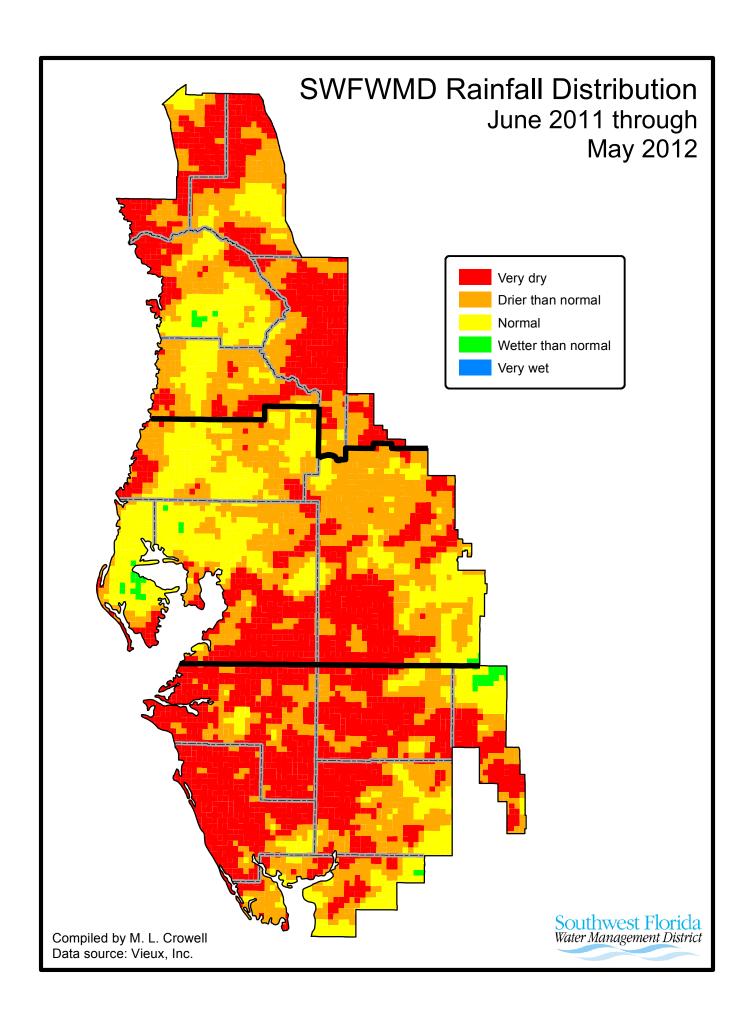


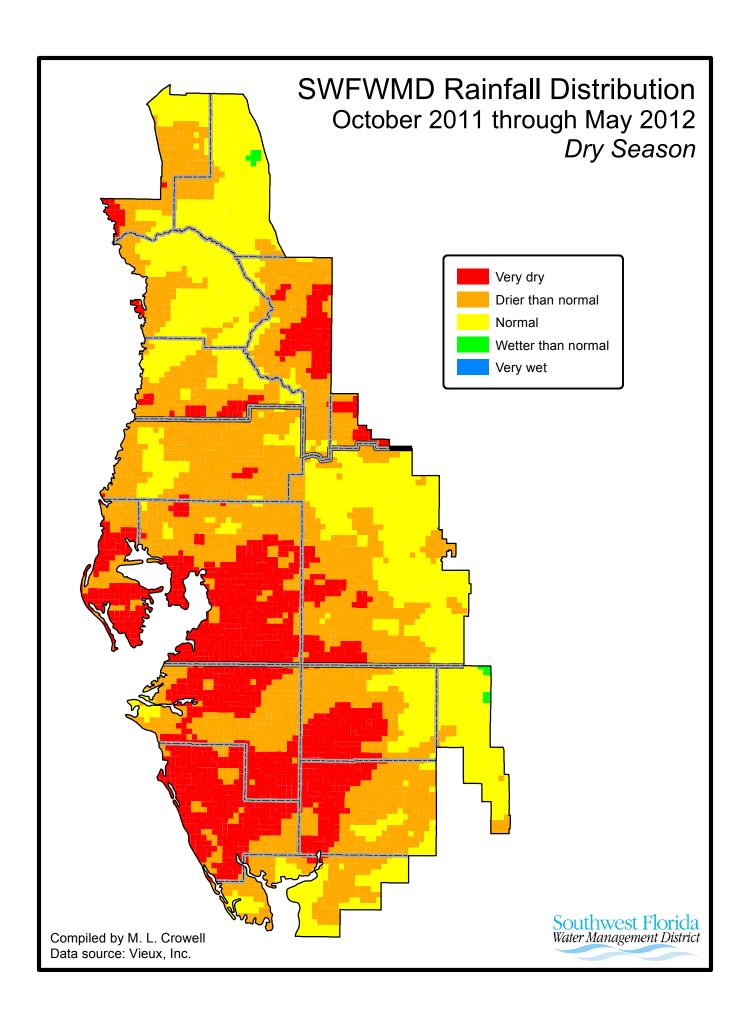
MAY 2012 12-MONTH CUMULATIVE RAINFALL VS AVERAGE ANNUAL CUMULATIVE (INCHES)











SURFACE WATER

Lakes

Across the District, 76 lakes have been selected as excellent indicators of current surface water conditions (see index map in Appendix). Water levels of these lakes are read monthly. In general, these lakes are concentrated in four regions, the northern region of Citrus, Hernando, and Sumter Counties, the Tampa Bay region of Hillsborough and Pasco Counties, the Polk Uplands region of northern Polk County, and the Lake Wales Ridge region of Polk and Highlands Counties. In this report, current monthly lake levels are tabulated and compared with previous records as well as District-established management levels. In addition, lake-level data representative of the four regions are presented in hydrographs showing a 15-year history of water levels, as a general indicator of surface-water conditions in that region.

The District's Governing Board (the Board) has established lake management levels for approximately 410 lakes within District boundaries, which are specified in Chapter 40D-8, Florida Administrative Code (F.A.C.). Management levels help protect the water resources of the District and the ecology of the lake or water-body for which it was established. In this report, the following three management levels are used to indicate normal and low lake levels: the Minimum Flood (MF) level, the Minimum Low Management (MLM) level, and the Minimum Extreme Low Management (MELM) level. In general, the MF level corresponds to the normal high level, the MLM to the normal low level, and the MELM to a drought-year low. These levels were derived from various sources, including technical publications, topographic maps, Water Resource Data Reports of the USGS, and other studies. Field investigations are also used to determine past surface levels from water marks, wetland vegetation, dry land vegetation, and to establish the elevation of septic tanks, docks, sea walls, roads and floor slabs.

During a normal year, each of the indicator lakes should reach both the designated normal high (MF) and the normal low (MLM) levels. In addition, it is generally beneficial for lakes to reach the adopted drought year low (MELM) level every four to six years for a short period of time for the biological health of the lake. In this report, hydrographs of representative lakes compare current and recent water levels against "normal ranges" defined by the adopted MF and MLM levels.

Of the 76 lakes presented in this report, 17 have water-control structures. These structures are used for water conservation and do not generally influence the water levels with regard to meteorologically wet or dry conditions. During periods of extreme high water, the structures may be operated to minimize flooding.

In May, 74 of the 76 lakes monitored for this report recorded water level decreases. Water levels decreased in the Northern, Tampa Bay, Polk Uplands and Lake Wales Ridge regions of the District by 0.50, 0.54, 0.29 and 0.32 foot, respectively. District-wide, average water levels decreased by 0.44 foot, compared to last month.

In May, average water levels were lower in 66 of the 76 lakes, compared to May 2011. In the Northern, Tampa Bay, Polk Uplands and Lake Wales Ridge regions, average lake levels were lower by 1.83 feet, 1.11 feet, 0.49 foot and 0.42 foot, respectively, compared to last year's levels. District-wide, average lake levels were lower by 0.92 foot.

Water levels in 65 of the 76 lakes were below the annual normal range. Average lake levels in the Northern, Tampa Bay, Polk Uplands, and Lake Wales Ridge regions were 5.98, 1.03, 2.17 and 4.53 feet, respectively, below the base of the annual normal range. District-wide, average lake levels were 2.70 feet below the base of the annual normal range. Water levels in 36 of the 76 lakes were below the drought-year levels.

Record Low Level

In May 2012, a period-of-record low lake level was set at Lake Iola and Lindsey, located in the Northern region; and Mud (Walden) Lake, located in the Tampa Bay region.

SUMMARY OF LAKE ELEVATIONS OF REGIONAL LAKES (feet)

NORTHERN LA	KES					Change	Change	Diff	(MELM)	(MLM)	(MF)	Period		Period	
Lake Name	County	Beginning of Record	APR 2012	MAY 2012	MAY 2011	from APR 2012	from MAY 2011	from MELM	Drought Year Low	Normal Year Low	Normal Year High	of Record Low	Record Low Date	of Record High	Record High Date
Big Fish Lake	Pasco	1980	68.74	68.05	69.23	-0.69	-1.18	-3.70	71.75	73.05	76.05	65.45	JUN 1997	77.40	SEP 2004
Crews Lake	Pasco	1981	46.29	45.34	46.70	-0.95	-1.36	-4.66	50.00	52.00	55.00	42.63	APR 2001	55.40	SEP 1982
Hancock Lake	Pasco	1978	93.80	92.98	94.53	-0.82	-1.55	-9.02	102.00	104.00	106.50	90.00	MAR 2009	108.90	MAR 1998
Hunters Lake	Hernando	1967	13.05	12.49	14.60	-0.56	-2.11	-3.51	16.00	17.50	20.50	11.70	JUN 2001	20.50	MAR 1970
Lake Iola	Pasco	1984	129.46	128.96	131.05	-0.50	-2.09	-13.54	142.50	145.00	147.50	128.96	MAY 2012	148.70	JAN 1989
Lake Lindsey	Hernando	1982	60.26	59.27	62.00	-0.99	-2.73	-5.23	64.50	66.00	69.00	59.27	MAY 2012	69.36	MAR 1998
Little Lake (Consu	Citrus	1985	33.86	33.48	34.75	-0.38	-1.27	-3.77	37.25	39.00	41.50	31.10	MAY 2001	42.84	SEP 2004
Lake Miona	Sumter	1985	48.46	47.94	49.78	-0.52	-1.84	-3.06	51.00	53.00	55.00	47.88	MAY 2002	55.18	APR 1998
Moon Lake	Pasco	1990	36.35	35.99	37.32	-0.36	-1.33	0.49	35.50	37.50	40.50	32.98	APR 2009	41.26	SEP 2004
Lake Panasoffkee	Sumter	1984	37.25	36.96	38.14	-0.29	-1.18	-1.54	38.50	39.50	42.50	36.92	JUN 2007	43.04	OCT 2004
Lake Pasadena	Pasco	1984	84.20	83.65	85.00	-0.55	-1.35	-6.35	90.00	91.50	94.50	81.56	MAY 2001	94.86	OCT 2004
Spring Lake	Hernando	1965	176.59	176.14	177.71	-0.45	-1.57	-2.11	178.25	181.25	184.25	174.75	APR 2009	183.57	OCT 1984
Floral City Pool	Citrus	1981	36.40	36.15	38.65	-0.25	-2.50	-2.10	38.25	40.25	42.50	30.35	JUN 2001	42.66	SEP 2004
Inverness Pool	Citrus	1985	34.91	35.25	36.83	0.34	-1.58	-1.00	36.25	38.25	40.50	31.46	MAY 2001	40.89	OCT 2004
Hernando Pool	Citrus	1985	32.68	32.20	35.97	-0.48	-3.77	-2.55	34.75	36.75	39.00	31.09	JUL 2001	40.17	FEB 1998

TAMPA BAY LA	AKES					Change	Change	Diff	(MELM)	(MLM)	(MF)	Period		Period	
Lake Name	County	Beginning of Record	APR 2012	MAY 2012	MAY 2011	from APR 2012	from MAY 2011	from MELM	Drought Year Low	Normal Year Low	Normal Year High	of Record Low	Record Low Date	of Record High	Record High Date
Lake Alice	Hillsborough	1981	39.40	38.78	39.90	-0.62	-1.12	1.28	37.50	40.25	42.25	33.24	MAY 2002	42.42	SEP 2004
Lake Ann-Parker	Pasco	1983	46.07	45.70	47.44	-0.37	-1.74	0.70	45.00	45.75	48.75	43.28	JUN 2001	48.59	AUG 2010
Bay Lake	Hillsborough	1982	45.11	44.73	45.10	-0.38	-0.37	2.23	42.50	44.00	46.75	41.86	APR 1985	46.46	DEC 1997
Lake Brant	Hillsborough	1981	56.57	56.07	57.11	-0.50	-1.04	1.57	54.50	56.50	58.75	51.65	JUN 1994	58.76	AUG 2003
Brooker Lake	Hillsborough	1977	61.32	60.67	62.04	-0.65	-1.37	1.67	59.00	61.00	64.25	56.49	MAY 2002	64.08	DEC 1997
Calm Lake	Hillsborough	1982	48.49	47.96	49.28	-0.53	-1.32	2.96	45.00	47.50	50.50	41.88	JUN 2002	50.73	SEP 2004
Camp Lake	Pasco	1983	61.20	60.38	62.26	-0.82	-1.88	1.38	59.00	61.75	64.00	50.82	MAY 2002	64.00	SEP 1987
Carlton Lake	Hillsborough	1976	87.63	86.84	87.47	-0.79	-0.63	-1.16	88.00	90.50	93.50	86.82	MAY 2001	94.60	FEB 1998
Lake Carroll	Hillsborough	1985	35.25	34.80	34.48	-0.45	0.32	2.30	32.50	34.50	37.00	30.87	MAY 2002	38.06	DEC 1997
Church Lake	Hillsborough	1983	34.62	34.12	35.04	-0.50	-0.92	2.62	31.50	34.00	36.25	27.94	MAY 2002	36.90	JUL 1987
Lake Cooper	Hillsborough	1980	59.32	58.86	59.68	-0.46	-0.82	1.86	57.00	59.75	61.75	55.60	JUN 2001	61.84	FEB 1998
Crescent Lake	Hillsborough	1981	40.40	39.73	41.68	-0.67	-1.95	1.23	38.50	40.00	42.50	35.34	JUN 2001	42.48	SEP 2009
Deer Lake	Hillsborough	1977	64.34	63.83	64.76	-0.51	-0.93	1.33	62.50	64.50	67.25	60.72	MAY 2002	67.42	DEC 1997
Egypt Lake	Hillsborough	1978	35.58	35.10	36.23	-0.48	-1.13	2.60	32.50	35.00	37.50	33.06	MAY 2000	38.15	SEP 1985
Gornto Lake	Hillsborough	1979	32.97	32.32	34.42	-0.65	-2.10	-1.68	34.00	36.00	38.50	29.86	MAR 1979	39.48	FEB 1998
Lake Harvey	Hillsborough	1984	59.80	59.12	60.54	-0.68	-1.42	1.12	58.00	60.25	62.50	53.94	MAY 2002	63.90	DEC 1997
Lake Hiawatha	Hillsborough	1981	48.38	47.98	49.54	-0.40	-1.56	2.98	45.00	48.00	50.50	46.14	JUN 2000	51.12	APR 2010
Horse Lake	Hillsborough	1930	44.64	44.06	43.88	-0.58	0.18	2.06	42.00	44.00	46.50	36.33	JUN 2002	50.00	AUG 1959
Lake Keene	Hillsborough	1981	60.81	60.40	61.41	-0.41	-1.01	1.40	59.00	60.50	63.00	56.12	JUN 2002	63.27	SEP 1985
Keystone Lake	Hillsborough	1984	40.71	40.32	41.21	-0.39	-0.89	1.32	39.00	39.75	42.00	37.84	JUN 2000	43.26	SEP 1988
King Lake	Pasco	1978	97.80	97.26	98.05	-0.54	-0.79	-2.74	100.00	102.50	105.25	94.20	APR 2009	104.88	SEP 1983
Lake Leclare	Hillsborough	1977	49.96	49.49	50.67	-0.47	-1.18	2.49	47.00	49.50	52.00	44.95	JUN 2001	52.34	DEC 1997
Lake Linda	Pasco	1983	63.94	63.36	65.04	-0.58	-1.68	1.36	62.00	64.00	66.75	60.07	MAY 2001	66.87	AUG 2003
Little Lake	Hillsborough	1979	44.68	44.21	45.00	-0.47	-0.79	2.21	42.00	43.50	46.50	38.06	JUN 1994	46.46	AUG 2011
Long Pond	Hillsborough	1978	43.53	42.83	43.08	-0.70	-0.25	0.83	42.00	44.00	46.50	36.33	MAY 1979	48.27	SEP 1998
Mud (Walden) Lake		1978	112.16	111.68	112.39	-0.48	-0.71	1.18	110.50	112.50	115.00	111.68	MAY 2012	114.42	MAR 1978
Lake Padgett	Pasco	1980	67.94	67.46	68.90	-0.48	-1.44	-0.04	67.50	69.00	71.25	66.27	JUN 2001	71.84	SEP 1985
Platt Lake	Hillsborough	1981	48.01	47.66	48.88	-0.35	-1.22	1.66	46.00	47.75	50.50	42.53	JUN 2001	51.36	SEP 1998
Rainbow Lake	Hillsborough	1981	37.70	36.96	37.43	-0.74	-0.47	1.96	35.00	37.50	40.50	29.82	JUN 2002	40.74	AUG 2003
Lake Stemper	Hillsborough	1983	59.27	58.87	60.35	-0.40	-1.48	0.87	58.00	59.50	62.00	53.36	JUN 2001	61.68	SEP 2004
Lake Thomas	Hillsborough	1981	61.39	60.80	62.20	-0.59	-1.40	1.55	59.25	61.25	63.50	56.48	JUN 2002	63.58	MAR 1987
Turkey Ford Lake	Hillsborough	1989	50.13	49.78	50.60	-0.35	-0.82	-0.22	50.00	51.50	54.00	48.50	JUN 2000	54.59	DEC 1997
Lake Wimauma	Hillsborough	1985	73.73	73.00	75.80	-0.73	-2.80	-8.00	81.00	83.00	86.75	70.12	MAY 2001	84.38	MAR 1998

NOTE: M='no data' or 'not determined'

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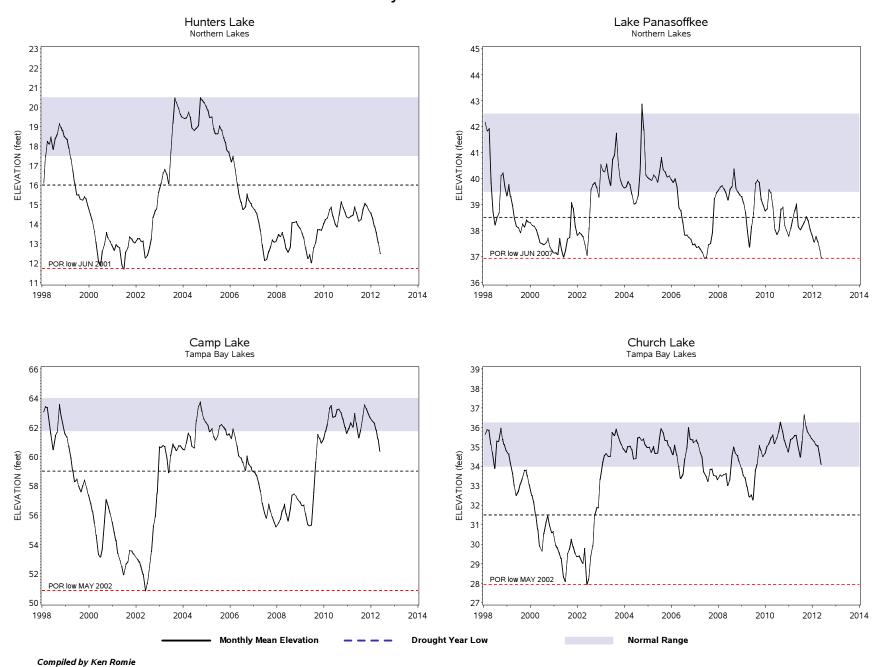
SUMMARY OF LAKE ELEVATIONS OF REGIONAL LAKES (feet)

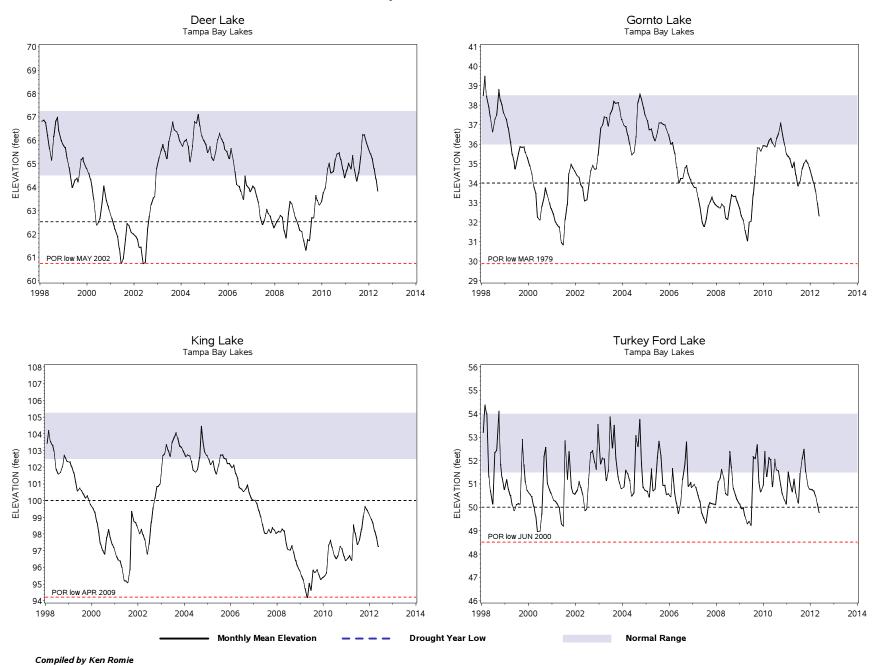
POLK UPLANI	OS LAKES					Change	Change	Diff	(MELM)	(MLM)	(MF)	Period		Period	
Lake Name	County	Beginning of Record	APR 2012	MAY 2012	MAY 2011	from APR 2012	from MAY 2011	from MELM	Drought Year Low	Normal Year Low	Normal Year High	of Record Low	Record Low Date	of Record High	Record High Date
Lake Alfred	Polk	1990	124.83	124.49	125.33	-0.34	-0.84	-1.76	126.25	128.25	130.75	124.42	APR 2009	132.76	MAR 1998
Lake Ariana	Polk	1984	133.59	133.31	133.58	-0.28	-0.27	0.81	132.50	134.50	137.00	131.80	APR 2009	136.77	MAR 2003
Lake Arietta	Polk	1984	138.51	138.23	138.24	-0.28	-0.01	0.23	138.00	141.00	144.00	137.32	JUN 2009	143.80	OCT 2004
Blue Lake South	Polk	1986	110.19	109.78	109.35	-0.41	0.43	-2.72	112.50	114.00	117.00	103.38	FEB 1991	119.19	DEC 2005
Lake Bonny	Polk	1954	128.25	127.75	129.02	-0.50	-1.27	1.75	126.00	128.00	130.50	122.34	MAY 2009	133.08	SEP 2004
Lake Buffum	Polk	1982	126.45	126.03	126.04	-0.42	-0.01	-0.72	126.75	129.25	132.25	123.90	JUN 1991	133.00	JUN 2005
Clearwater Lake	Polk	1979	140.26	139.80	140.20	-0.46	-0.40	0.80	139.00	141.00	143.50	137.93	MAY 2001	146.06	AUG 1984
Lake Conine	Polk	1989	125.20	124.93	126.31	-0.27	-1.38	0.43	124.50	126.50	128.75	123.83	NOV 2009	129.95	SEP 2004
Eagle Lake	Polk	1965	124.26	123.96	124.51	-0.30	-0.55	-2.54	126.50	128.50	130.75	120.87	MAY 1967	131.50	SEP 1996
Lake Fannie	Polk	1981	120.09	119.85	120.49	-0.24	-0.64	-0.15	120.00	123.50	125.75	119.39	JUN 2002	127.51	SEP 2004
Lake Garfield	Polk	1982	101.58	101.67	102.67	0.09	-1.00	1.67	100.00	101.00	104.75	97.38	JUN 2001	105.70	FEB 1998
Lake Hamilton	Polk	1981	118.40	118.07	119.07	-0.33	-1.00	0.82	117.25	119.00	121.50	116.61	JUN 2001	123.96	OCT 2004
Lake Helene	Polk	1979	137.57	137.20	136.83	-0.37	0.37	-1.80	139.00	141.00	144.00	134.52	JUN 2008	146.42	MAR 1998
Lake Howard	Polk	1987	128.78	128.57	129.25	-0.21	-0.68	1.57	127.00	129.50	132.00	127.69	MAY 2001	133.08	SEP 2004
Lake Juliana	Polk	1984	128.79	128.44	128.00	-0.35	0.44	0.94	127.50	130.00	132.50	127.40	NOV 2009	134.10	MAR 1998
Lake Mcleod	Polk	1983	123.40	123.20	124.00	-0.20	-0.80	-4.80	128.00	129.50	132.00	120.76	JUL 1985	131.98	SEP 1998
Lake Otis	Polk	1989	123.06	122.78	123.30	-0.28	-0.52	-0.22	123.00	125.00	128.00	120.28	JUN 2001	128.50	SEP 2004
Lake Ruby	Polk	1983	123.32	123.07	123.75	-0.25	-0.68	2.07	121.00	123.00	125.25	120.78	JUN 2001	125.98	SEP 2004
Lake Gibson	Polk	1984	141.86	141.68	142.26	-0.18	-0.58	0.18	141.50	141.50	143.50	140.21	MAY 2009	145.40	SEP 1988

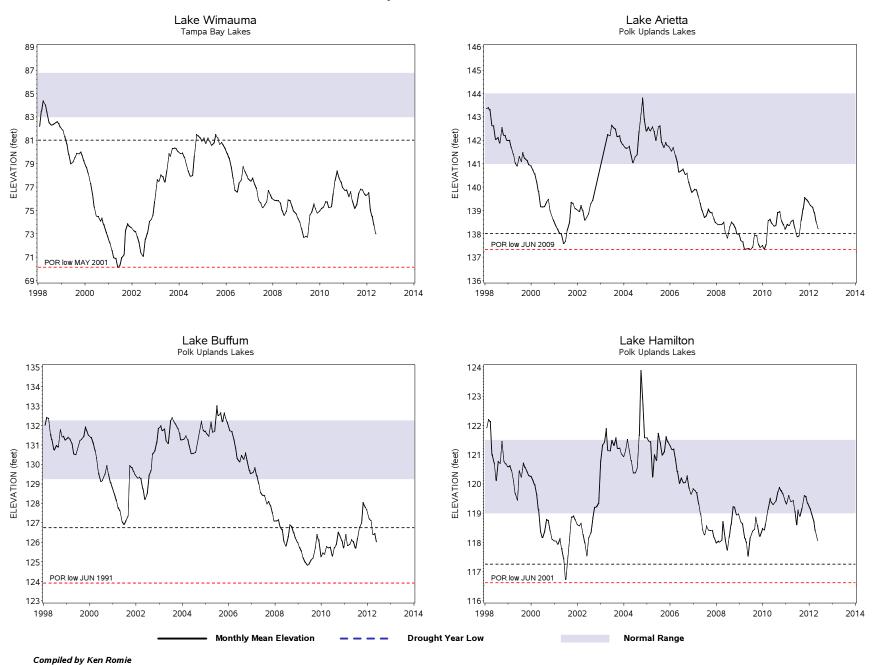
LK WALES F	RIDGE LAKES					Change	Change	Diff	(MELM)	(MLM)	(MF)	Period		Period	
Lake Name	County	Beginning of Record	APR 2012	MAY 2012	MAY 2011	from APR 2012	from MAY 2011	from MELM	Drought Year Low	Normal Year Low	Normal Year High	of Record Low	Record Low Date	of Record High	Record High Date
Lake Annie	Polk	1983	110.55	110.31	110.05	-0.24	0.26	-3.69	114.00	116.00	119.00	108.36	JUN 1990	117.56	OCT 2005
Lake Clay	Highlands	1983	75.42	75.21	76.79	-0.21	-1.58	0.21	75.00	76.00	78.75	74.34	MAY 2001	78.38	OCT 1995
Crooked Lake	Polk	1982	113.87	113.57	114.50	-0.30	-0.93	-3.43	117.00	118.50	122.00	106.28	APR 1991	123.44	AUG 2005
Lake Jackson	Highlands	1984	97.63	97.35	98.33	-0.28	-0.98	-0.65	98.00	100.00	103.00	96.37	JUN 2008	103.16	MAR 1998
Lake Letta	Highlands	1981	93.68	93.36	91.25	-0.32	2.11	-1.64	95.00	97.00	100.00	90.27	JUN 2008	100.00	MAR 1998
Lake Lotela	Highlands	1989	101.74	101.45	97.98	-0.29	3.47	-2.55	104.00	105.00	108.50	97.00	JUN 2008	108.92	MAR 1998
Lake Placid	Highlands	1984	88.17	88.12	89.60	-0.05	-1.48	-1.88	90.00	91.50	94.50	88.08	JUN 2008	94.24	SEP 2003
Starr Lake	Polk	1983	101.17	100.55	99.40	-0.62	1.15	-7.45	108.00	110.00	113.00	96.33	JUN 2001	109.80	DEC 2005
Trout Lake	Highlands	1981	91.89	91.34	89.56	-0.55	1.78	-3.66	95.00	98.00	101.00	87.15	MAY 2001	98.90	MAR 1998

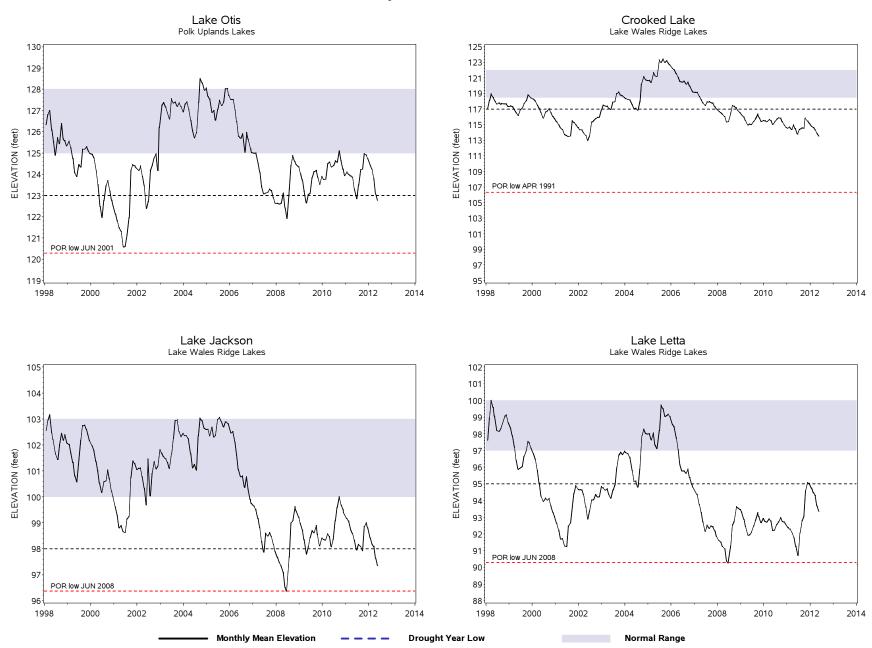
NOTE: M='no data' or 'not determined'

Compiled by Ken Romie









Streams

The District processes streamflow data collected by the U.S. Geological Survey (USGS) under a cooperatively funded program between the District and the USGS. Streamflow is recorded daily as water elevations at 12 gauging stations in three regions of the District (see index map in the Appendix). The USGS uses rating curves developed from water level elevations to calculate streamflow discharge in units of cubic feet per second (cfs). For this report, the reported streamflow values are the means of the daily discharge volumes for the current month. The period-of-record high and low values correspond to monthly means and not to peak events. Percentile values are calculated from the monthly means for the period of record, for each station. The percentile is the monthly mean statistically ranked on a scale of zero to 100 that indicates the percent of the period-of-record monthly means that are at or above the present monthly mean. The current year's data are provisional, and are subject to revision. Revised data are used for all calculations, as they become available.

Hydrographs are produced for each of the stream stations. Current monthly means for each station are compared to respective 25th and 75th percentiles of the period-of-record monthly means.

In May, seven of the twelve stations monitored for this report had decreased streamflow compared to last month. Total streamflow decreased in the northern, central and southern regions of the District by 47.6 cfs (30.7 mgd), 5.9 cfs (3.8 mgd) and 9.5 cfs (6.1 mgd), respectively. District-wide, total streamflow decreased an average of 65.6 cfs (42.4 mgd).

Ten of the twelve monitoring stations recorded lower streamflow in May 2012 than in May 2011. Streamflow was lower in the northern, central and southern regions by 337.8 cfs (218.2 mgd), 94.6 cfs (61.1 mgd) and 78.0 cfs (50.4 mgd), respectively. District-wide, total streamflow was lower, on average, by 548.4 cfs (354.3 mgd), than the May 2011 average.

Compared to historical May discharge values, Withlacoochee River streamflow, measured at the Trilby station and the Holder station averaged in the 4th and 1st percentiles, respectively. Streamflow measured at the stations on the Anclote, Pithlachascotee and Hillsborough Rivers averaged in the 26th, 33rd and 4th percentiles of respective historical May readings. Streamflow measured at the Alafia River, Little Manatee River and Peace River at Bartow stations averaged in the 2nd, 16th and 12th percentiles of respective historical May readings. Additionally, streamflow measured at the Josephine Creek, Manatee River, Myakka River and Peace River at Arcadia stations averaged in the 18th, 59th, 17th and 2nd percentiles of respective historical May readings.

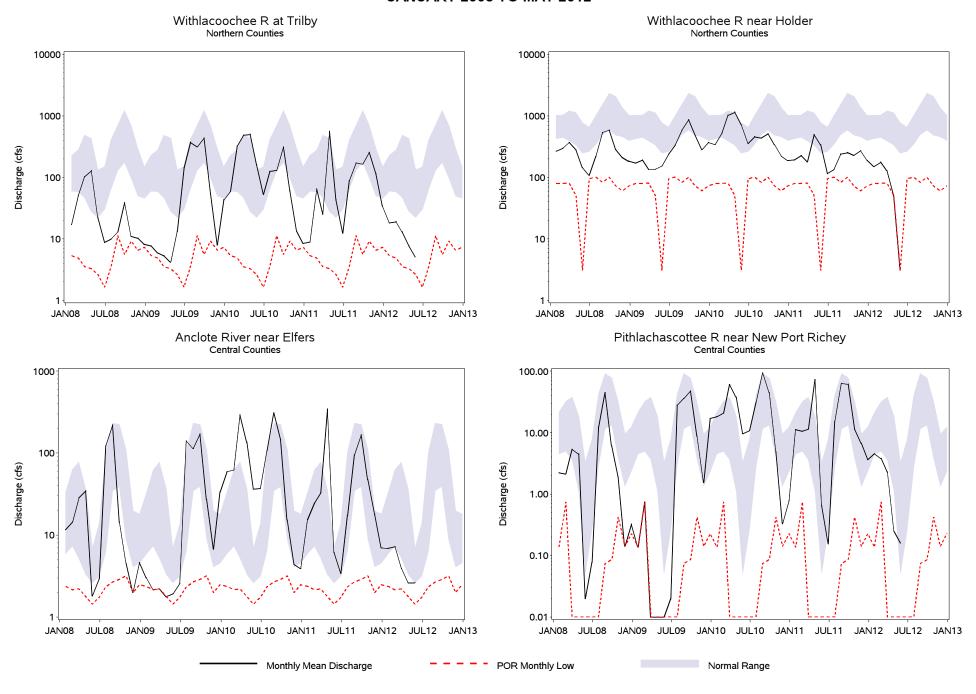
Record Low Level

In May 2012, a "period-of-record" low streamflow, and a record low "monthly mean" streamflow for the historic May readings, was set at the Withlacoochee River at Holder station, located in the northern region.

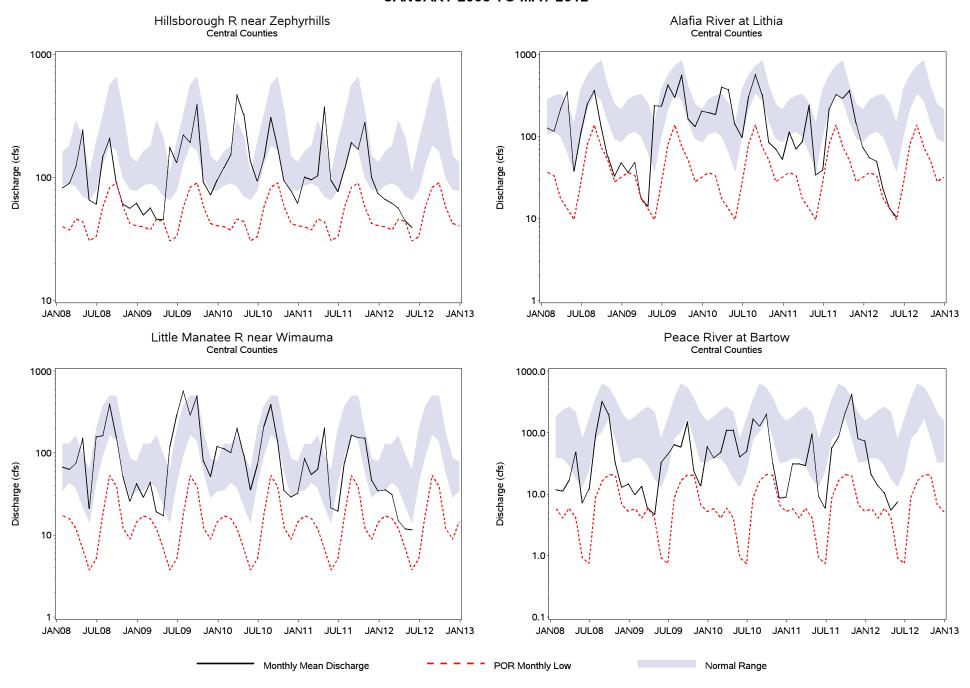
SUMMARY OF STREAM DISCHARGE FROM MAJOR STREAMS (CFS), MAY 2012

NORTHERN COUNTIES	Beginning	Mean	Mean	Mean	Change	Change	MAY 2012	Period of	Record	Period of	Record
	Year of	Discharge	Discharge	Discharge	from	from	Percentile	Record	Low	Record	High
	Record	MAY 2012	APR 2012	MAY 2011	APR 2012	MAY 2011	Rank	Low	Date	High	Date
Withlacoochee R at Trilby Withlacoochee R near Holder	1928	5.1	7.7	43.1	-2.6	-38.0	4%	0.1	JUN2000	8840	JUN1934
	1928	3.1	50.7	340.9	-47.6	-337.8	1%	0.0	MAY2012	8660	APR1960
CENTRAL COUNTIES											
Anclote River near Elfers Pithlachascottee R near New Port Ric Hillsborough R near Zephyrhills Alafia River at Lithia Little Manatee R near Wimauma Peace River at Bartow	1946	2.6	2.6	6.1	0.0	-3.5	26%	0.8	MAY1962	3710	JUL1960
	hey 1963	0.2	0.2	0.6	0.0	-0.4	33%	0.0	MAR2012	1420	SEP1988
	1939	39.3	44.3	94.8	-5.0	-55.5	4%	27.0	MAY2001	12300	MAR1960
	1932	10.5	13.1	34.1	-2.6	-23.6	2%	4.1	JUN2000	40800	SEP1933
	1939	11.7	11.9	21.4	-0.2	-9.7	16%	0.9	DEC1976	11100	SEP1960
	1939	7.4	5.5	9.3	1.9	-1.9	12%	0.0	MAY2009	4100	SEP1947
SOUTHERN COUNTIES											
Josephine Cr near DeSoto City	1946	4.9	4.8	4.5	0.1	0.4	18%	0.5	MAY1956	1680	SEP1948
Manatee River near Myakka Head	1966	8.1	2.8	3.4	5.3	4.7	59%	0.1	MAY1975	6440	JUN2003
Myakka River near Sarasota	1936	0.0	0.3	22.6	-0.3	-22.6	17%	0.0	MAY2012	10800	JUN2003
Peace River at Arcadia	1931	16.7	31.3	77.2	-14.6	-60.5	2%	5.6	MAY2000	34700	SEP1933

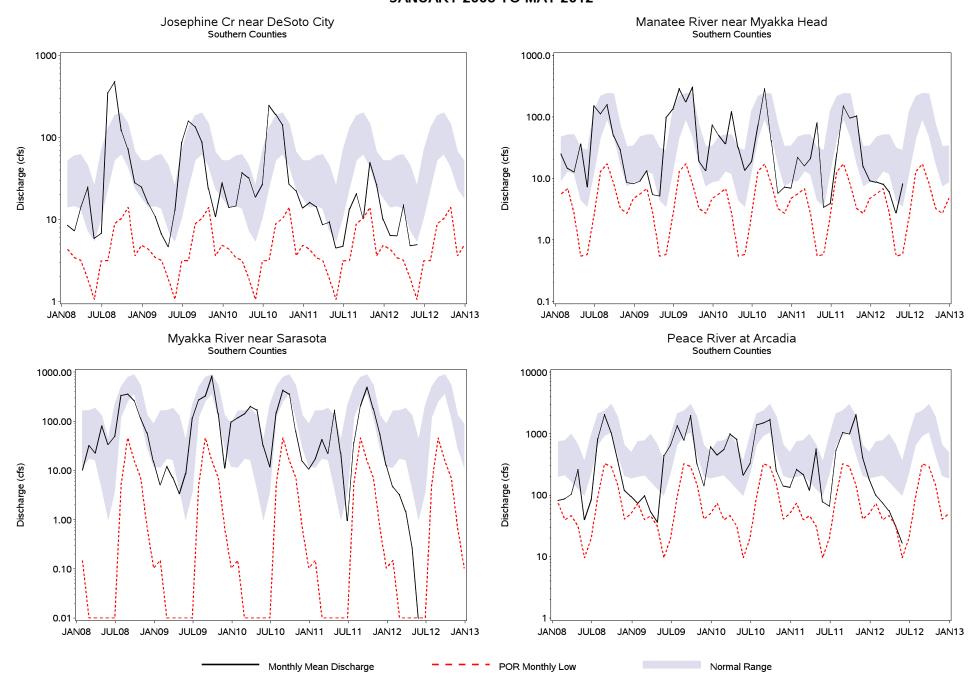
HYDROGRAPHS OF MAJOR STREAMS JANUARY 2008 TO MAY 2012



HYDROGRAPHS OF MAJOR STREAMS JANUARY 2008 TO MAY 2012



HYDROGRAPHS OF MAJOR STREAMS JANUARY 2008 TO MAY 2012



Springs

The District processes springflow data collected by Tampa Bay Water through a mutual agreement and by the U.S. Geological Survey (USGS) under a cooperatively funded program between the District and the USGS. Springflow is monitored at seven gauging stations in two regions of the District (see index map in the Appendix). Springflow data for Rainbow, Silver and Sulphur Springs are recorded as daily water levels. The USGS uses rating curves developed for these springs from historical water level elevations to calculate springflow discharge in units of cubic feet per second (cfs). Crystal and Weeki Wachee Springs discharge (cfs) is provided as an instantaneous reading calculated by the USGS. Buckhorn and Lithia Springs discharge is obtained from Tampa Bay Water biweekly and weekly, respectively. Period-of-record high and low values correspond to monthly theoretical means and not to peak events. Values are reported as percentiles calculated from an analysis of historical monthly means recorded during a given month. The percentile is the monthly mean ranked on a scale of zero to 100 that indicates the percent of period-of-record values that are above, equal to or below the median (50th percentile) for the current month. The values reported are provisional, and are subject to revision at the end of the water year. Revised USGS springflow data are loaded into the District's WMIS when they become available.

Hydrographs are produced for the seven-springflow stations, and current values are compared to respective 25th and 75th percentiles that are calculated from historical data. The 25th and 75th percentiles are calculated using the SASTM software system for data analysis using period-of-record monthly theoretical means for each springflow station analyzed.

In May, six of the seven stations reported decreased springflow, compared to the previous month. Total springflow decreased in the northern and central regions of the District by 49.9 cfs (32.3 mgd) and 4.7 cfs (3.0 mgd). District-wide, springflow decreased by 54.6 cfs (35.3 mgd).

Total springflow recorded in all seven stations was lower in May 2012 than May 2011. Total springflow for the northern and central regions was lower by 264.3 cfs (170.8 mgd) and 30.7 cfs (19.8 mgd), respectively. District-wide, springflow decreased by 295.0 cfs (190.6 mgd), compared to May 2011 rates.

Compared to historical period-of-record values for May, total springflow measured in Rainbow, Silver and Weeki Wachee Springs, in the northern region, was in the 1st, 1st and 21st percentiles of respective historical readings. Springflow measured in Crystal, Sulphur, Buckhorn and Lithia Springs in the central region was in the 41st, 1st, 24th and 22nd percentiles, respectively, of historical May readings.

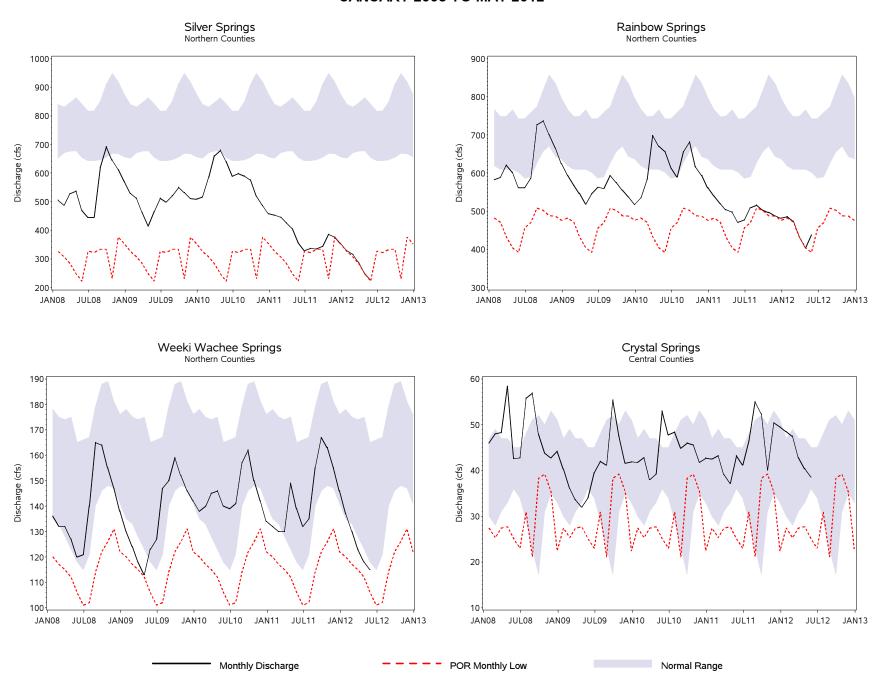
Record Low Level

In May 2012, a "period-of-record" low springflow, and a record low "monthly mean" springflow for the historic May readings, was set at the Rainbow and Silver Springs stations, located in the northern region.

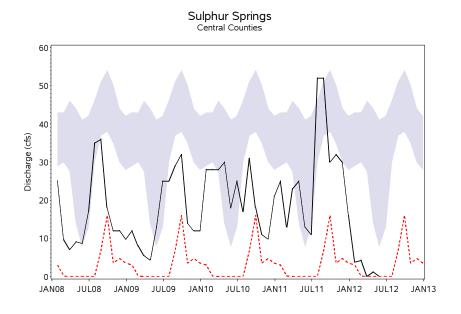
SUMMARY OF SPRINGS DISCHARGE FROM MAJOR SPRINGS (CFS), MAY 2012

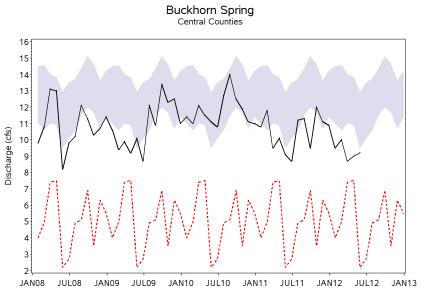
NORTHERN COUNTIES	MAY 2012 Discharge	APR 2012 Discharge	MAY 2011 Discharge	Change From APR 2012	Change From MAY 2011	MAY 2012 Percentile Rank	Period of Record Low	Record Low Date	Period of Record High	Record High Date
Rainbow Springs	401.6	416.4	487.9	-14.8	-86.3	1%	392.0	MAY2012	1060.0	SEP1988
Silver Springs	234.7	264.5	382.7	-29.8	-148.0	1%	222.0	MAY2012	1290.0	OCT1960
Weeki Wachee Springs	114.5	119.8	144.5	-5.3	-30.0	21%	101.0	JUN1994	257.0	OCT2004
CENTRAL COUNTIES										
Crystal Springs	38.6	40.4	43.2	-1.8	-4.6	41%	21.1	AUG2003	86.3	AUG1995
Sulphur Springs	0.1	1.2	14.0	-1.1	-13.9	1%	0.0	JUN1994	145.0	MAR1960
Buckhorn Springs	9.4	8.8	10.2	0.6	-0.8	24%	2.2	MAY2006	32.7	AUG2004
Lithia Springs	19.6	22.0	31.0	-2.4	-11.4	22%	9.1	MAY2000	91.5	NOV2004

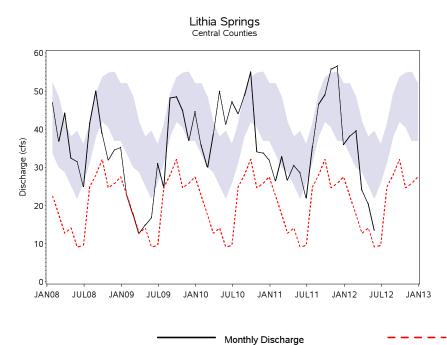
HYDROGRAPHS OF REGIONAL SPRINGS JANUARY 2008 TO MAY 2012



HYDROGRAPHS OF REGIONAL SPRINGS JANUARY 2008 TO MAY 2012







Normal Range

POR Monthly Low

GROUND WATER

The ground-water section of this report has been revised and now provides ground-water level information within the District based on geographically delineated areas (regions) within the District, and no longer uses regional delineations based on hydrogeologic characteristics. The purpose for using geographical boundaries (only) has been to eliminate past confusion that resulted when regional ground-water data pertaining to the surficial aquifer and Intermediate/Floridan aquifer were reported based on hydrogeologic boundaries, while the Aquifer Resource Index section reported ground-water data based on geographic boundaries. This change should provide consistency in the review and reporting of all ground-water information.

For this report, the District has been divided into three geographical regions that are defined by county boundaries (see index maps in the Appendix). Each regional area includes all or part of each county that is located within that region and that is also within the District's jurisdictional boundaries. The northern region includes the counties of Citrus, Hernando, Lake, Levy, Marion and Sumter, where the Floridan aquifer is generally unconfined and at or near land surface, allowing rainfall to easily recharge (replenish) the aquifer system. The central region includes the counties of Hillsborough, Pasco, Pinellas and Polk, where the Floridan aquifer can be unconfined, semi-confined or confined (overlain by thick clays). Where the Floridan aquifer is confined, recharge to the aquifer from rainfall is low. The southern region includes the counties of Charlotte, DeSoto, Hardee, Highlands, Manatee and Sarasota, where the Floridan aquifer is confined.

Twelve surficial aquifer (shallow, non-artesian) and 51 intermediate and Floridan aquifer (deep) monitor wells are measured for this report to determine the relative health of ground-water levels District-wide. Only monitor wells with an adequate and reliable period-of-record water level measurements were selected for the network. For each well, the 25th and 75th percentiles ("low normal" and "high normal," respectively) were calculated for each week of the year using the period-of-record data. The 25th and 75th percentiles are used to represent the lower and upper limits of the normal range, as they are considered a reliable and robust measure of the normal range, and are less affected by extremes in the data record. The end-of month water-level readings measured for this report are compared to their corresponding normal ranges. Trend data from 16 intermediate and Floridan aquifer wells are shown in hydrographs to compare current water levels to the low normal and high normal levels.

Data from these wells are further compiled into regional statistics for the three regions of the District. Wells in the northern counties are unconfined and non-artesian, while those in the southern counties are confined and artesian. Wells included in the central counties vary between confined and unconfined conditions due to the transitional nature of geology in this area. The potentiometric levels of representative Floridan aquifer wells are used to produce the potentiometric surface maps presented in this report.

Surficial Aquifer

During May, eight of the twelve surficial aquifer wells recorded water level decreases, compared to last month. Regionally, average surficial aquifer water levels decreased in the northern, central and southern regions of the District by 0.54, 0.04 and 0.35 foot, respectively. District-wide, average surficial aquifer water levels decreased by 0.20 foot.

In May, average water levels in eleven of the twelve surficial aquifer wells were lower than May 2011 levels. Average surficial aquifer water levels were lower in the northern, central and southern regions by 2.27, 1.01 and 1.48 feet, respectively. District-wide, average water levels in surficial wells were 1.34 feet lower than May 2011 levels.

For May, water levels were below the normal range in five of the twelve surficial wells. Average surficial aquifer water levels in the northern region were 1.42 feet below the bottom of the normal range, while the central region was 1.28 feet above the base of the normal range and the southern regions was 0.87 foot below the normal range. District-wide, the average water level in surficial wells was 0.29 foot above the bottom of the normal range.

SUMMARY OF SURFICIAL AQUIFER LEVELS IN REPRESENTATIVE WELLS, MAY 2012

NORTHERN COUNTIES	MAY 2012 Elev	APR 2012 Elev	MAY 2011 Elev	Change From APR 2012	Change From MAY 2011	MAY Historical Low Normal	MAY Historical High Normal	Departure From Low Normal	Period of Record Low	Record Low Date	Period of Record High	Record High Date
Green Swamp	84.90	85.70	88.31	-0.80	-3.41	87.18	90.43	-2.28	82.95	MAY2000	93.07	SEP1985
Lecanto 2	6.02	6.31	7.16	-0.29	-1.14	6.94	8.75	-0.92	5.76	MAY2001	13.92	SEP1974
CENTRAL COUNTIES												
Loughman Lutz-Lake Fern ROMP 50 Shallow SR 33 & Combee Road SR 577 Shallow Tarpon Road Shallow USGS P-48	88.74	89.28	90.71	-0.54	-1.97	90.22	91.96	-1.48	88.19	AUG2000	95.79	SEP2004
	55.65	56.08	57.16	-0.43	-1.51	55.36	56.73	0.29	52.64	NOV2009	61.10	SEP1986
	41.30	41.11	41.43	0.19	-0.13	40.73	41.41	0.57	38.01	OCT2010	44.05	SEP2001
	132.46	132.36	132.20	0.10	0.26	132.41	134.02	0.05	129.16	FEB2001	136.97	OCT1995
	123.60	123.44	125.60	0.16	-2.00	118.85	123.60	4.75	110.18	FEB1991	129.02	AUG2003
	10.95	10.23	12.05	0.72	-1.10	10.36	12.04	0.59	9.31	JUN1978	16.93	SEP1971
	98.92	99.42	99.57	-0.50	-0.65	97.95	99.65	0.97	96.07	JUN2001	104.79	SEP2004
SOUTHERN COUNTIES												
Edgeville 4 Shallow	63.86	64.35	66.17	-0.49	-2.31	65.91	67.37	-2.05	63.85	MAY1975	69.93	SEP1971
ROMP 26 Shallow	66.13	66.57	67.71	-0.45	-1.59	67.18	69.68	-1.05	64.32	JUN1999	75.11	JUN1982
SR 74	14.19	14.31	14.73	-0.12	-0.54	14.01	15.41	0.18	12.66	MAY2000	18.32	JUL2001

Intermediate and Floridan Aquifers

In May, 37 of the 51 intermediate and Floridan aquifer wells monitored for this report recorded water level decreases, compared to last month. Regionally, average water levels decreased in the northern and central region by 0.45 and 0.82 foot, respectively, while levels in the southern region increased by 1.11 feet. District-wide, the average water level in the intermediate and Floridan aquifer remained the same as last month.

During May, water levels in 47 of the 51 intermediate and Floridan aquifer wells were lower than those measured in May 2011. Regionally, the mean water level in the northern, central and southern regions was lower by 2.30, 2.94 and 3.36 feet, respectively, than May 2011 levels. District-wide, average water levels in intermediate and Floridan aquifer wells were 2.92 feet lower than last year.

For May, 36 of the 51 intermediate and Floridan aquifer wells had levels below the normal range, compared to historical monthly levels. The average water levels in the northern region were 2.70 feet below-normal, while levels in the central and southern regions were 0.12 foot and 2.70 feet, respectively, below the bottom of the normal range. District-wide, the average water level in intermediate and Floridan aquifer wells was 1.79 feet below the bottom of the normal range.

Record Low Level

In May 2012, a period-of-record low water level was set at the following wells: CE 14 Dunnellon Deep, ROMP 134 Ocala/Avon Park, Sumter 13 JC59 Up Fldn and Webster City Fldn, all located in the northern region.

SUMMARY OF INTERMEDIATE AND FLORIDAN AQUIFER LEVELS IN REPRESENTATIVE WELLS, MAY 2012

Regional Summary:

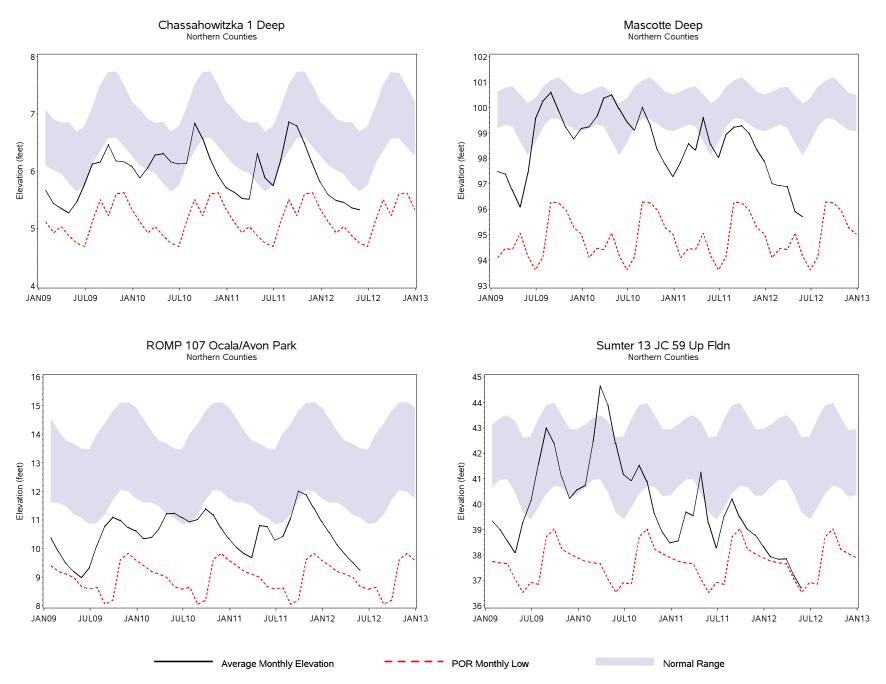
Region	MAY 2012 Mean Elevation	MAY 2012 Relation to POR Median	MAY 2012 Relation to 25th Percentile	MAY 2012 Mean Percentile Rank	APR 2012 Mean Percentile Rank	MAY 2011 Mean Percentile Rank
Northern Counties	34.75	-2.64	-1.04	13%	15%	24%
Central Counties	50.02	-3.35	-0.40	22%	25%	46%
Southern Counties	20.28	-6.12	-1.65	18%	14%	30%

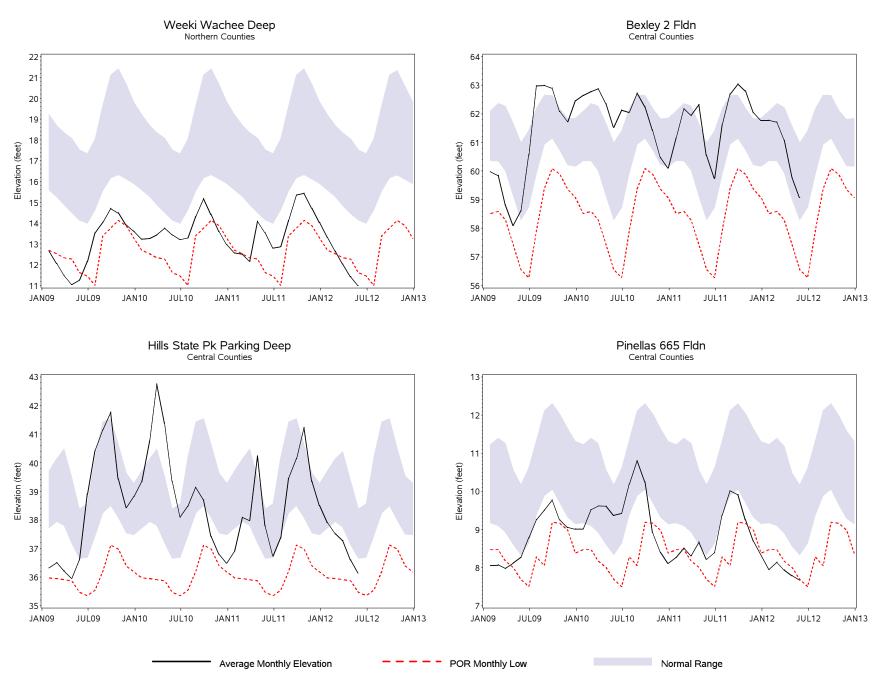
Regional Wells Summary:

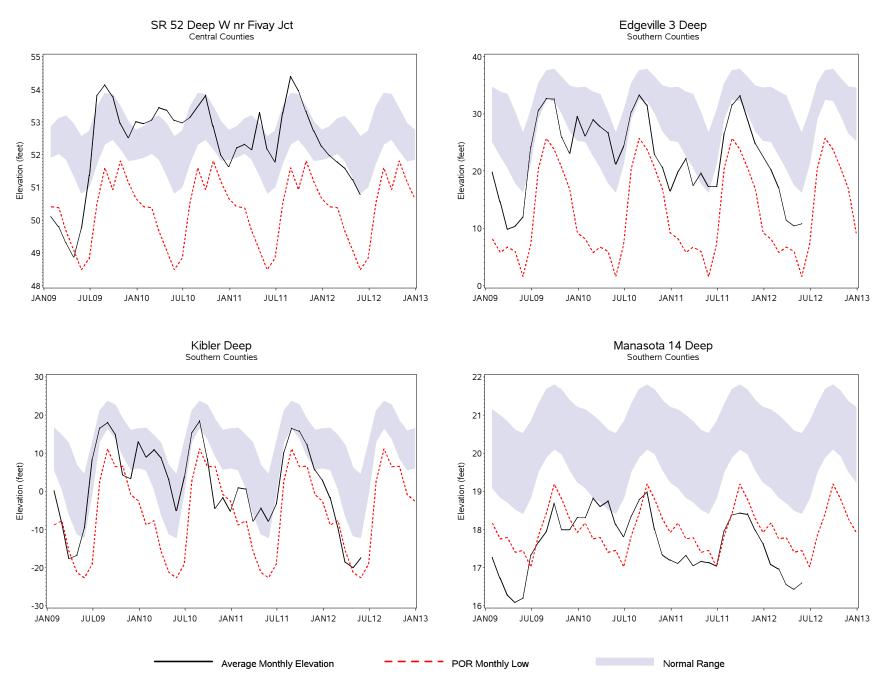
NORTHERN COUNTIES	MAY 2012 Elev	APR 2012 Elev	MAY 2011 Elev	Change From APR 2012	Change From MAY 2011	MAY Historical Low Normal	MAY Historical High Normal	Departure From Low Normal	e MAY 2012 Percentile Rank	Period of Record Low	Record Low Date	Period of Record High	Record High Date
CE 14 Dunnellon Deep	31.94	32.50	35.52	-0.56	-3.58	37.24	41.99	-5.30	1%	31.93	MAY2012	50.74	MAR1998
Chassahowitzka 1 Deep	5.65	5.60	5.76	0.05	-0.11	5.64	6.68	0.01	26%	4.68	JUN2001	9.70	SEP2004
Inverness Dot Fldn	22.80	23.45	25.64	-0.65	-2.84	27.87	30.85	-5.07	3%	21.63	JUN2001	34.79	AUG2003
Mascotte Deep	95.76	95.93	98.07	-0.17	-2.31	98.25	100.17	-2.49	5%	93.61	JUN2000	102.61	SEP2004
ROMP 103 Suwannee/Ocala	34.49	35.35	37.97	-0.86	-3.48	37.58	42.22	-3.09	4%	33.75	MAY2009	51.03	OCT2004
ROMP 107 Ocala/Avon Park	9.17	9.53	10.65	-0.36	-1.48	10.99	13.41	-1.82	9%	8.05	AUG2007	19.78	NOV1982
ROMP 134 Ocala/Avon Park	38.08	38.62	41.49	-0.54	-3.41	43.68	49.44	-5.60	1%	38.05	MAY2012	57.35	APR1998
ROMP 89 Ocala	87.05	87.27	89.35	-0.22	-2.30	87.85	91.10	-0.80	20%	82.44	JUN2000	94.93	DEC1997
ROMP 97 Avon Park	12.32	12.98	15.13	-0.66	-2.81	15.00	19.24	-2.68	3%	11.84	MAY2009	26.24	SEP2004
ROMP Tr 124 Avon Park	2.19	2.76	2.37	-0.57	-0.18	2.16	3.13	0.03	28%	0.77	SEP2004	4.96	JUL2005
ROMP Tr 21-2 Ocala/Avon Pl	k 1.98	2.39	1.64	-0.41	0.34	1.41	1.93	0.57	80%	0.03	FEB2001	3.94	OCT1996
Sumter 13 JC 59 Up Fldn	36.68	37.15	38.77	-0.47	-2.09	39.50	42.53	-2.82	1%	36.52	MAY2012	47.01	JUN2003
Webster City Fldn	74.19	74.64	79.80	-0.45	-5.61	79.90	83.61	-5.71	1%	74.16	MAY2012	88.77	SEP2005
Weeki Wachee Deep	10.96	11.44	13.24	-0.48	-2.28	14.00	17.38	-3.04	1%	11.00	JUL2007	22.54	MAR1998

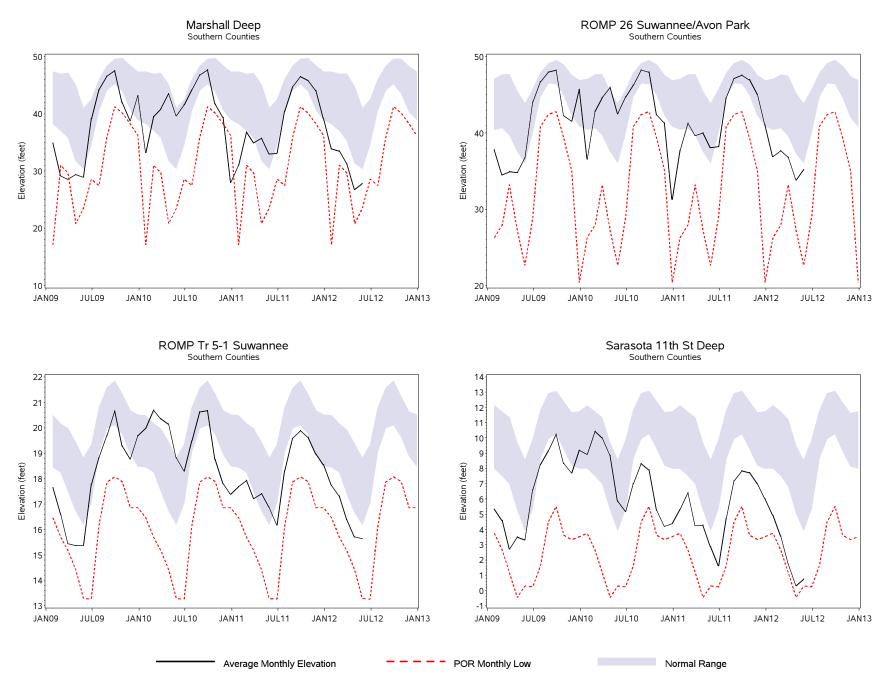
Regional Wells Summary (continued):

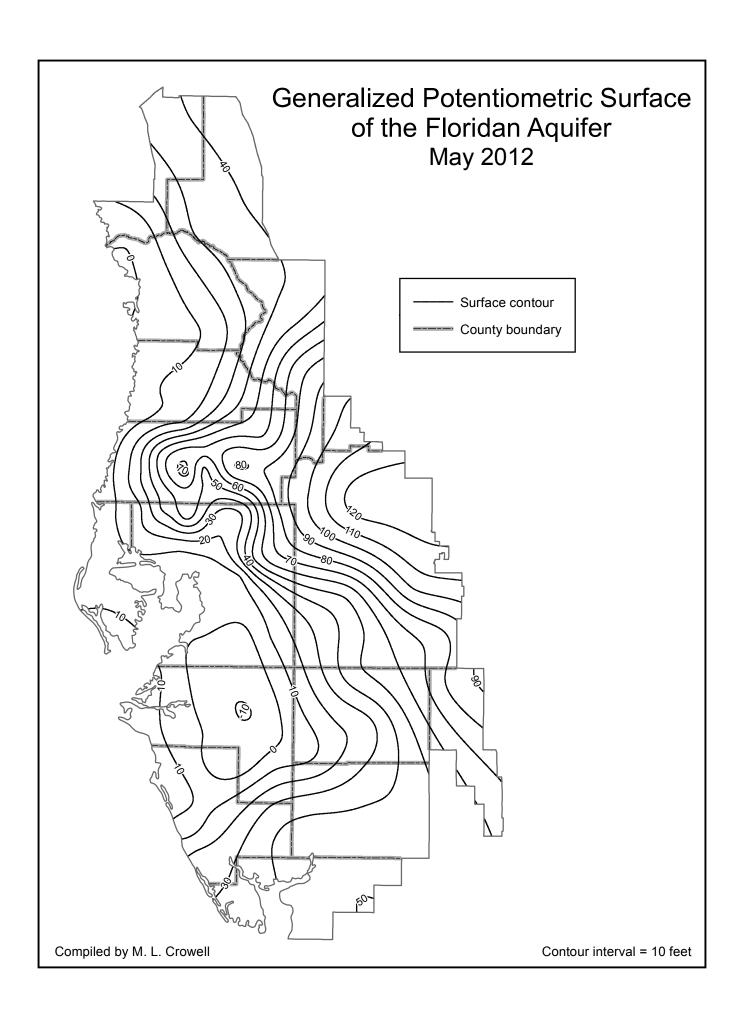
regional Weils Summa	, (COII	anaca).						_					
				Change	Change	MAY	MAY	Departure					
	MAY	APR	MAY	From	From		Historical	From	2012	Period of	Record	Period of	Record
	2012	2012	2011	APR	MAY	Low	High	Low	Percentile	Record	Low	Record	High
CENTRAL COUNTIES	Elev	Elev	Elev	2012	2011	Normal	Normal	Normal	Rank	Low	Date	High	Date
Bexley 2 Fldn	59.29	59.65	59.95	-0.36	-0.66	58.32	61.04	0.97	40%	56.27	JUN2001	63.93	AUG2003
Hills State Pk Parking Deep	36.03	36.56	37.38	-0.53	-1.35	36.58	38.25	-0.55	8%	35.35	JUN2000	47.42	DEC1997
Lk Alfred Deep nr Lake Alfre	124.02	124.62	125.08	-0.60	-1.06	124.46	127.23	-0.44	18%	120.77	JAN2001	131.08	APR1998
Lykes Pasco Fldn	61.31	62.30	64.87	-0.99	-3.56	61.27	66.98	0.04	26%	56.94	JUN2000	74.89	MAR1998
Masaryktown Deep	22.43	23.50	24.71	-1.07	-2.28	28.75	36.54	-6.32	1%	21.89	AUG1994	50.09	OCT1982
Moon Lake Deep	29.12	29.17	30.02	-0.05	-0.90	28.46	30.57	0.66	39%	26.15	JUN2000	34.02	SEP2004
Pasco Well 13 nr Drexel Fldn	69.41	69.84	71.06	-0.43	-1.65	70.91	73.03	-1.50	7%	69.21	MAY1994	76.35	MAR1998
Pinellas 665 Fldn	7.78	8.02	8.06	-0.24	-0.28	8.37	10.27	-0.59	5%	7.50	JUN1999	12.28	FEB1998
ROMP 45 Avon Park	51.71	52.95	60.30	-1.24	-8.59	47.96	61.47	3.75	35%	33.85	JUN2000	84.42	OCT2004
ROMP 50 Avon Park	-6.60	-6.26	-2.76	-0.34	-3.84	-6.75	1.54	0.15	26%	-12.03	MAY2001	13.92	FEB1998
ROMP 59 Swnn/AvPk	52.82	54.27	61.38	-1.45	-8.56	49.22	62.07	3.60	37%	37.47	JUN2000	85.76	OCT2004
ROMP 66 Tampa	14.44	15.20	16.60	-0.76	-2.16	14.72	17.48	-0.28	19%	13.02	JUN2000	23.95	DEC1997
ROMP 87 Avon Park	97.30	98.16	100.13	-0.86	-2.83	98.50	102.03	-1.20	15%	94.90	JUN2000	106.30	FEB1998
ROMP 93 Swnn/AvPk	65.22	66.42	68.09	-1.20	-2.87	64.89	71.55	0.33	28%	59.02	JUN2001	76.41	SEP2004
SR 52 Deep W nr Fivay Jct	50.75	51.40	51.85	-0.65	-1.10	50.80	52.53	-0.05	25%	48.48	MAY2000	55.72	SEP2004
SR 577 Deep	79.00	80.81	84.65	-1.81	-5.65	82.45	90.14	-3.45	11%	73.50	JUN2000	98.32	MAR1998
Sanlon Ranch Fldn	82.57	84.23	87.85	-1.61 -1.66	-5.03 -5.28	79.71	88.91	2.86	41%	73.30 74.98	JUN2000	105.27	OCT2004
	8.92	9.37	9.21	-0.45	-3.20 -0.29	9.02	10.09	-0.10	23%	74.98	MAY2000	103.27	FEB1998
Tarpon Rd Deep	0.92	9.37	9.21	-0.45	-0.29	9.02	10.09	-0.10	2370	7.20	IVIA 1 2000	12.20	FED1990
				Change	Change	MAY	MAY	Departure					
	MAY	APR	MAY	From	From	Historical	Historical	From	2012	Period of	Record	Period of	Record
	2012	2012	2011	APR	MAY	Low	High	Low	Percentile	Record	Low	Record	High
SOUTHERN COUNTIES		2012 Elev	2011 Elev	APR 2012	MAY 2011	Low Normal	High Normal	Low Normal	Percentile Rank	Record Low	Low Date	Record High	High Date
	2012 Elev	Elev	Elev	2012	2011	Normal	Normal	Normal	Rank	Low	Date	High	Date
SOUTHERN COUNTIES Big Slough Deep	2012 Elev 28.77	<i>Elev</i> 29.55	30.39	-0.78	-1.62	Normal 30.04	Normal 32.34	Normal -1.27	Rank 6%	<i>Low</i> 28.51	Date JUN2000	High 35.68	Date OCT1995
	2012 Elev	Elev	Elev	2012	-1.62 -5.43	Normal	Normal	Normal	6% 12%	Low	Date JUN2000 MAY2000	High	OCT1995 FEB1998
Big Slough Deep	2012 Elev 28.77	<i>Elev</i> 29.55	30.39	-0.78	-1.62	Normal 30.04	Normal 32.34	Normal -1.27	Rank 6%	<i>Low</i> 28.51	Date JUN2000	High 35.68	Date OCT1995
Big Slough Deep Edgeville 3 Deep	2012 Elev 28.77 11.99	29.55 9.68	30.39 17.42	-0.78 2.31	-1.62 -5.43 -0.74 -7.18	30.04 17.28	32.34 27.50	-1.27 -5.29	6% 12% 44% 2%	28.51 1.55 -0.97 -14.82	Date JUN2000 MAY2000	35.68 39.93	OCT1995 FEB1998 SEP2003 OCT1995
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep	2012 Elev 28.77 11.99 2.69	29.55 9.68 2.90	30.39 17.42 3.43	-0.78 2.31 -0.21	-1.62 -5.43 -0.74 -7.18 -4.51	30.04 17.28 1.82	32.34 27.50 4.44	-1.27 -5.29 0.87	6% 12% 44%	28.51 1.55 -0.97	Date JUN2000 MAY2000 FEB2001	35.68 39.93 10.51	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1	2012 Elev 28.77 11.99 2.69 -13.50	29.55 9.68 2.90 -8.56	30.39 17.42 3.43 -6.32	-0.78 2.31 -0.21 -4.94	-1.62 -5.43 -0.74 -7.18	30.04 17.28 1.82 -1.26	32.34 27.50 4.44 10.73	-1.27 -5.29 0.87 -12.24	6% 12% 44% 2%	28.51 1.55 -0.97 -14.82	JUN2000 MAY2000 FEB2001 MAY2006	35.68 39.93 10.51 20.30	OCT1995 FEB1998 SEP2003 OCT1995
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep	2012 Elev 28.77 11.99 2.69 -13.50 -13.51	29.55 9.68 2.90 -8.56 -18.22	30.39 17.42 3.43 -6.32 -9.00	-0.78 2.31 -0.21 -4.94 4.71	-1.62 -5.43 -0.74 -7.18 -4.51	30.04 17.28 1.82 -1.26 -9.27	32.34 27.50 4.44 10.73 6.73	-1.27 -5.29 0.87 -12.24 -4.24	6% 12% 44% 2% 16%	28.51 1.55 -0.97 -14.82 -22.69	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989	35.68 39.93 10.51 20.30 28.93	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep	2012 Elev 28.77 11.99 2.69 -13.50 -13.51 16.57	29.55 9.68 2.90 -8.56 -18.22 16.60	30.39 17.42 3.43 -6.32 -9.00 17.19	-0.78 2.31 -0.21 -4.94 4.71 -0.03	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62	30.04 17.28 1.82 -1.26 -9.27 18.49	32.34 27.50 4.44 10.73 6.73 20.60	-1.27 -5.29 0.87 -12.24 -4.24 -1.92	6% 12% 44% 2% 16% 3%	28.51 1.55 -0.97 -14.82 -22.69 17.02	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001	35.68 39.93 10.51 20.30 28.93 21.01	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala	2012 Elev 28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64	6% 12% 44% 2% 16% 3% 16% 20%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep	2012 Elev 28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38	32.34 27.50 4.44 10.73 6.73 20.60 41.04	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48	6% 12% 44% 2% 16% 3% 16%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001	35.68 39.93 10.51 20.30 28.93 21.01 51.08	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala ROMP 26 Swnn/AvPk	28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55 65.81	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37 33.86 64.65	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63 38.32 65.30	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63 1.69 1.16	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63 -2.77 0.51	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64 37.08 64.87	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42 44.28 68.14	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64 -1.53 0.94	6% 12% 44% 2% 16% 3% 16% 20% 20% 39%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94 20.41 57.24	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001 DEC2010 JAN2010	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21 50.73 74.68	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995 OCT1995 OCT1995
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala ROMP 26 Swnn/AvPk ROMP 28X Swnn/AvPk	2012 Elev 28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55 65.81 24.99	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37 33.86 64.65 23.09	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63 38.32 65.30 34.27	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63 1.69 1.16 1.90	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63 -2.77 0.51 -9.28	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64 37.08 64.87 27.05	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42 44.28 68.14 41.18	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64 -1.53 0.94 -2.06	6% 12% 44% 2% 16% 3% 16% 20% 20% 39% 20%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94 20.41 57.24 1.12	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001 DEC2010 JAN2010 JUN2000	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21 50.73 74.68 60.12	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995 OCT1995 OCT1995 FEB1998
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala ROMP 26 Swnn/AvPk ROMP 28X Swnn/AvPk ROMP 30 Swnn/AvPk	28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55 65.81 24.99 17.63	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37 33.86 64.65 23.09 15.95	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63 38.32 65.30 34.27 28.25	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63 1.69 1.16 1.90 1.68	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63 -2.77 0.51 -9.28 -10.62	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64 37.08 64.87 27.05 21.19	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42 44.28 68.14 41.18 37.09	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64 -1.53 0.94 -2.06 -3.56	6% 12% 44% 2% 16% 3% 16% 20% 20% 39% 20% 17%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94 20.41 57.24 1.12 -8.20	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001 DEC2010 JAN2010 JUN2000 JUN2000	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21 50.73 74.68 60.12 57.88	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995 OCT1995 OCT1995 FEB1998 MAR1998
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala ROMP 26 Swnn/AvPk ROMP 28X Swnn/AvPk ROMP 30 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 32 L Ocala/Avon Park	28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55 65.81 24.99 17.63 2.42	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37 33.86 64.65 23.09 15.95 -1.27	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63 38.32 65.30 34.27 28.25 11.04	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63 1.69 1.16 1.90 1.68 3.69	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63 -2.77 0.51 -9.28 -10.62 -8.62	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64 37.08 64.87 27.05 21.19 6.51	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42 44.28 68.14 41.18 37.09 22.36	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64 -1.53 0.94 -2.06 -3.56 -4.09	6% 12% 44% 2% 16% 3% 16% 20% 20% 39% 20% 17% 15%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94 20.41 57.24 1.12 -8.20 -17.54	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001 DEC2010 JAN2010 JUN2000 JUN2000 JUN2000	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21 50.73 74.68 60.12 57.88 44.72	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995 OCT1995 OCT1995 FEB1998 MAR1998 FEB1998
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala ROMP 26 Swnn/AvPk ROMP 28X Swnn/AvPk ROMP 30 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 32 L Ocala/Avon Park ROMP 43XX Avon Park	28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55 65.81 24.99 17.63 2.42 83.25	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37 33.86 64.65 23.09 15.95 -1.27 83.32	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63 38.32 65.30 34.27 28.25 11.04 82.03	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63 1.69 1.16 1.90 1.68 3.69 -0.07	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63 -2.77 0.51 -9.28 -10.62 -8.62 1.22	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64 37.08 64.87 27.05 21.19 6.51 81.15	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42 44.28 68.14 41.18 37.09 22.36 86.06	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64 -1.53 0.94 -2.06 -3.56 -4.09 2.10	6% 12% 44% 2% 16% 3% 16% 20% 20% 39% 20% 17% 15% 46%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94 20.41 57.24 1.12 -8.20 -17.54 70.93	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001 DEC2010 JAN2010 JUN2000 JUN2000 JUN2000 JAN2010	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21 50.73 74.68 60.12 57.88 44.72 94.60	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995 OCT1995 OCT1995 FEB1998 MAR1998 FEB1998 MAR1998
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala ROMP 26 Swnn/AvPk ROMP 28X Swnn/AvPk ROMP 30 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 32 L Ocala/Avon Park ROMP 43XX Avon Park ROMP Tr 5-1 Suwannee	28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55 65.81 24.99 17.63 2.42 83.25 15.83	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37 33.86 64.65 23.09 15.95 -1.27 83.32 15.94	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63 38.32 65.30 34.27 28.25 11.04 82.03 16.64	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63 1.69 1.16 1.90 1.68 3.69 -0.07 -0.11	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63 -2.77 0.51 -9.28 -10.62 -8.62 1.22 -0.81	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64 37.08 64.87 27.05 21.19 6.51 81.15 16.29	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42 44.28 68.14 41.18 37.09 22.36 86.06 18.83	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64 -1.53 0.94 -2.06 -3.56 -4.09 2.10 -0.46	Rank 6% 12% 44% 2% 16% 3% 16% 20% 20% 39% 20% 17% 15% 46% 22%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94 20.41 57.24 1.12 -8.20 -17.54 70.93 13.26	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001 DEC2010 JAN2010 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21 50.73 74.68 60.12 57.88 44.72 94.60 22.52	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995 OCT1995 OCT1995 FEB1998 MAR1998 FEB1998 MAR1998 OCT1992
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala ROMP 26 Swnn/AvPk ROMP 28X Swnn/AvPk ROMP 30 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 32 L Ocala/Avon Park ROMP 43XX Avon Park ROMP Tr 5-1 Suwannee ROMP Tr 7-1 Tampa	28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55 65.81 24.99 17.63 2.42 83.25 15.83 13.29	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37 33.86 64.65 23.09 15.95 -1.27 83.32 15.94 12.86	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63 38.32 65.30 34.27 28.25 11.04 82.03 16.64 14.43	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63 1.69 1.16 1.90 1.68 3.69 -0.07 -0.11 0.43	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63 -2.77 0.51 -9.28 -10.62 -8.62 1.22 -0.81 -1.14	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64 37.08 64.87 27.05 21.19 6.51 81.15 16.29 12.93	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42 44.28 68.14 41.18 37.09 22.36 86.06 18.83 16.57	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64 -1.53 0.94 -2.06 -3.56 -4.09 2.10 -0.46 0.36	Rank 6% 12% 44% 2% 16% 3% 16% 20% 20% 39% 20% 17% 15% 46% 22% 30%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94 20.41 57.24 1.12 -8.20 -17.54 70.93 13.26 10.08	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001 JEC2010 JJN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21 50.73 74.68 60.12 57.88 44.72 94.60 22.52 23.56	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995 OCT1995 OCT1995 FEB1998 MAR1998 FEB1998 MAR1998 OCT1992 SEP2003
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala ROMP 26 Swnn/AvPk ROMP 28X Swnn/AvPk ROMP 30 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 32 L Ocala/Avon Park ROMP 43XX Avon Park ROMP Tr 5-1 Suwannee ROMP Tr 7-1 Tampa Sarasota 11th St Deep	28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55 65.81 24.99 17.63 2.42 83.25 15.83 13.29 1.00	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37 33.86 64.65 23.09 15.95 -1.27 83.32 15.94 12.86 0.15	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63 38.32 65.30 34.27 28.25 11.04 82.03 16.64 14.43 0.70	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63 1.69 1.16 1.90 1.68 3.69 -0.07 -0.11 0.43 0.85	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63 -2.77 0.51 -9.28 -10.62 -8.62 1.22 -0.81 -1.14 0.30	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64 37.08 64.87 27.05 21.19 6.51 81.15 16.29 12.93 4.08	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42 44.28 68.14 41.18 37.09 22.36 86.06 18.83 16.57 8.82	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64 -1.53 0.94 -2.06 -3.56 -4.09 2.10 -0.46 0.36 -3.08	Rank 6% 12% 44% 2% 16% 3% 16% 20% 20% 39% 20% 17% 15% 46% 22% 30% 1%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94 20.41 57.24 1.12 -8.20 -17.54 70.93 13.26 10.08 -0.46	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001 JEC2010 JJN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 APR2012	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21 50.73 74.68 60.12 57.88 44.72 94.60 22.52 23.56 13.57	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995 OCT1995 OCT1995 FEB1998 MAR1998 FEB1998 MAR1998 OCT1992 SEP2003 SEP2003
Big Slough Deep Edgeville 3 Deep Englewood 14 Deep Florida Cities Test 1 Kibler Deep Manasota 14 Deep Marshall Deep ROMP 16 Ocala ROMP 26 Swnn/AvPk ROMP 28X Swnn/AvPk ROMP 30 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 31 Swnn/AvPk ROMP 32 L Ocala/Avon Park ROMP 43XX Avon Park ROMP Tr 5-1 Suwannee ROMP Tr 7-1 Tampa	28.77 11.99 2.69 -13.50 -13.51 16.57 28.90 43.00 35.55 65.81 24.99 17.63 2.42 83.25 15.83 13.29	29.55 9.68 2.90 -8.56 -18.22 16.60 25.69 42.37 33.86 64.65 23.09 15.95 -1.27 83.32 15.94 12.86	30.39 17.42 3.43 -6.32 -9.00 17.19 33.26 43.63 38.32 65.30 34.27 28.25 11.04 82.03 16.64 14.43	-0.78 2.31 -0.21 -4.94 4.71 -0.03 3.21 0.63 1.69 1.16 1.90 1.68 3.69 -0.07 -0.11 0.43	-1.62 -5.43 -0.74 -7.18 -4.51 -0.62 -4.36 -0.63 -2.77 0.51 -9.28 -10.62 -8.62 1.22 -0.81 -1.14	30.04 17.28 1.82 -1.26 -9.27 18.49 31.38 43.64 37.08 64.87 27.05 21.19 6.51 81.15 16.29 12.93	32.34 27.50 4.44 10.73 6.73 20.60 41.04 47.42 44.28 68.14 41.18 37.09 22.36 86.06 18.83 16.57	-1.27 -5.29 0.87 -12.24 -4.24 -1.92 -2.48 -0.64 -1.53 0.94 -2.06 -3.56 -4.09 2.10 -0.46 0.36	Rank 6% 12% 44% 2% 16% 3% 16% 20% 20% 39% 20% 17% 15% 46% 22% 30%	28.51 1.55 -0.97 -14.82 -22.69 17.02 17.11 28.94 20.41 57.24 1.12 -8.20 -17.54 70.93 13.26 10.08	JUN2000 MAY2000 FEB2001 MAY2006 MAY1989 JUN2004 JAN2001 JAN2001 JEC2010 JJN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000 JUN2000	High 35.68 39.93 10.51 20.30 28.93 21.01 51.08 51.21 50.73 74.68 60.12 57.88 44.72 94.60 22.52 23.56	OCT1995 FEB1998 SEP2003 OCT1995 FEB1998 SEP1995 MAR1998 SEP1995 OCT1995 OCT1995 FEB1998 MAR1998 FEB1998 MAR1998 OCT1992 SEP2003

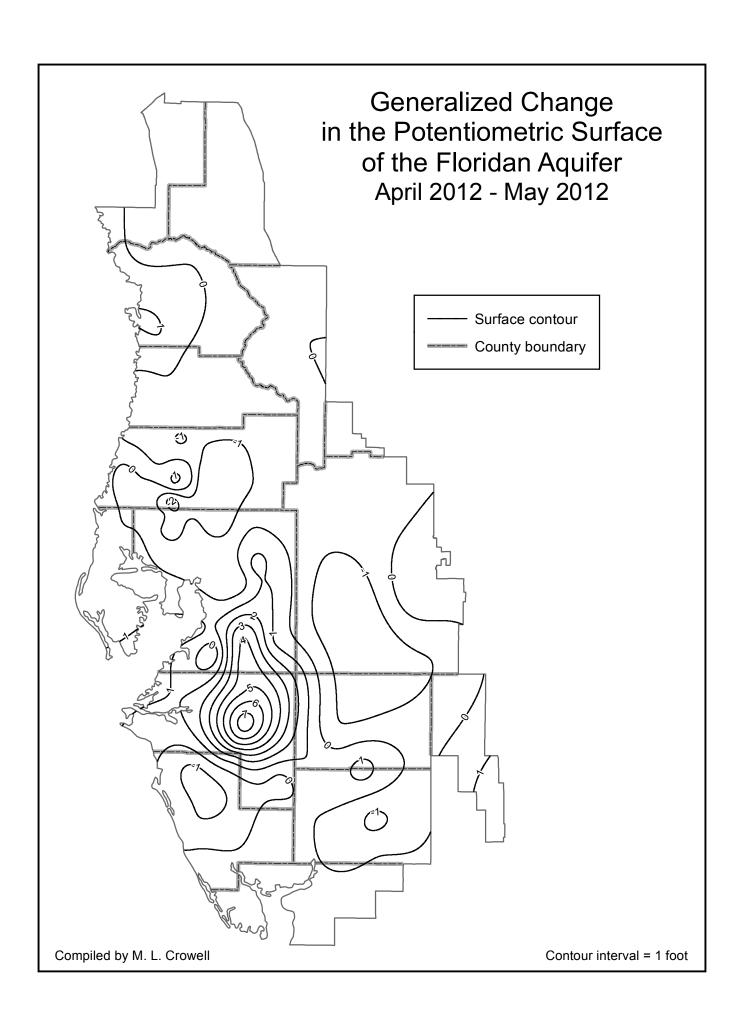


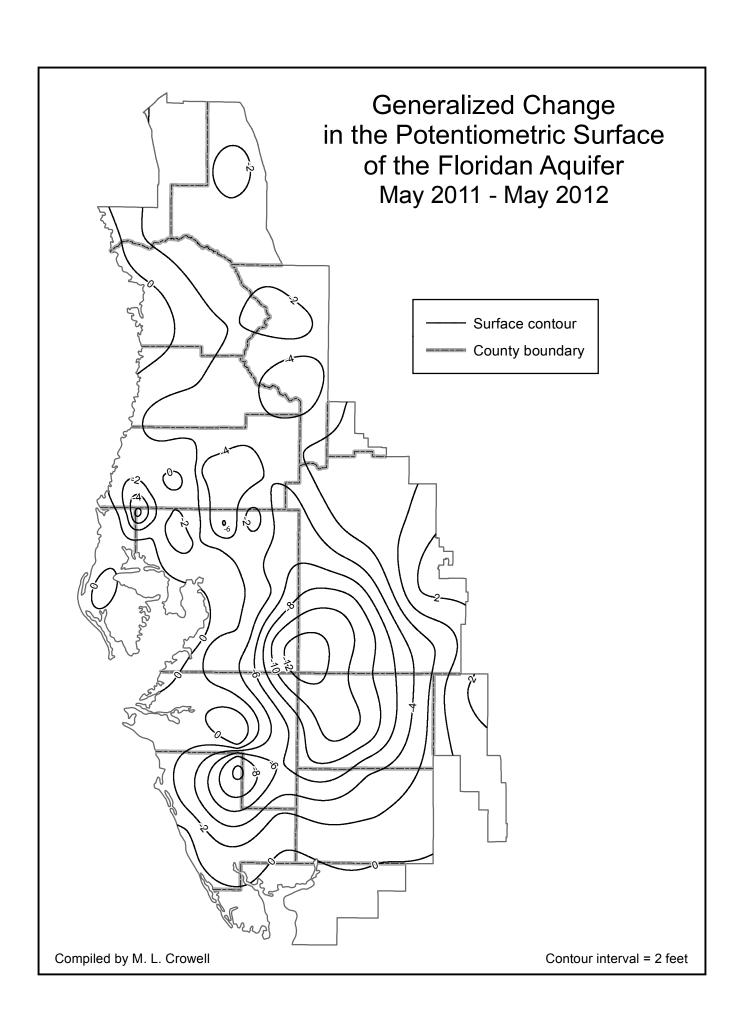












Public Supply Wellfields

Water levels are measured in 21 monitor wells (9 surficial, 12 intermediate and Floridan aquifer wells) located at nine public supply wellfields in the District. Thirteen of the 21 monitor wells have water levels measured monthly, two biweekly, and six weekly. Monthly data are tabulated to compare recent water levels to historical means.

During May, average water levels decreased in eleven of the twelve intermediate and Floridan wells and all nine surficial wells. Average water levels measured in the intermediate and Floridan wells decreased 2.16 feet, while levels measured in surficial wells decreased 1.07 feet.

In May, average water levels in all twelve intermediate and Floridan wells and all nine surficial wells were below last year's levels. Water levels measured in the intermediate and Floridan wells averaged 4.84 feet below last year's levels, while surficial water levels averaged 3.21 feet below May 2011 levels.

For May, average water levels in ten of the twelve intermediate and Floridan wells and seven of the nine surficial wells were above the low normal level, compared to historical monthly levels. Water levels measured in the intermediate and Floridan wells averaged 4.01 feet above the base of the normal range, while levels in the surficial wells averaged 2.32 feet above the base of the normal range.

SUMMARY OF GROUNDWATER LEVELS IN REPRESENTATIVE WELLFIELD WELLS, MAY 2012

INT/FLORIDAN WELLS	MAY 2012 Elev	APR 2012 Elev	MAY 2011 Elev	Change From APR 2012	Change From MAY 2011	MAY Historical Low Normal	MAY Historical High Normal	Departure From Low Normal	Period of Record Low	Record Low Date	Period of Record High	Record High Date
Cosme-Odessa Cosme No. 3 Cross Bar WRW Cypress Crk TMR-1 Deep Cypress Crk TMR-3 Deep Eldridge-Wilde 11 Deep Eldridge-Wilde 2S Morris Bridge 3A Deep Section 21 Hills 13 Deep South Pasco 42 South Pasco SR 54 Deep Starkey Regional Verna 08	22.09 39.24 51.99 49.59 13.34 15.70 22.46 37.57 44.70 47.33 31.25 -8.04	24.33 40.14 55.61 53.72 13.67 17.14 24.26 41.33 49.76 51.61 32.28 -10.68	26.16 40.58 61.49 59.40 19.42 19.21 27.85 42.17 47.05 49.36 34.36 -1.79	-2.24 -0.89 -3.62 -4.12 -0.33 -1.43 -1.80 -3.76 -5.06 -4.28 -1.03 2.64	-4.07 -1.34 -9.50 -9.81 -6.08 -3.50 -5.39 -4.60 -2.35 -2.03 -3.10 -6.25	19.49 39.22 46.65 45.10 7.10 6.24 22.76 31.49 38.34 42.00 28.33 -7.65	23.88 51.05 57.40 54.33 13.90 15.58 28.85 36.46 45.75 47.94 32.58 4.35	2.60 0.02 5.34 4.49 6.24 9.46 -0.30 6.08 6.36 5.33 2.92 -0.39	10.94 33.88 36.93 34.22 0.31 -1.16 17.91 21.88 27.98 33.49 24.97 -24.32	MAY2000 DEC1993 FEB2001 FEB2001 SEP1990 JUN2000 MAY2009 JUN2002 MAY2002 MAY2002 JUN2000 MAY1989	32.56 61.65 69.29 67.95 25.54 24.38 36.73 47.77 57.34 58.28 37.55 26.68	SEP2004 AUG1984 AUG2003 FEB1998 SEP2010 SEP2004 FEB1998 SEP2011 SEP2011 SEP2004 FEB1998
SURFICIAL WELLS												
Cosme-Odessa IC-6 Cross Bar SERW Cypress Crk TMR-1 Shallow Cypress Crk TMR-3 Shallow Eldridge-Wilde 11 Shallow Morris Bridge 3A Shallow Section 21 Hills 13 Shallow South Pasco SR 54 Shallow Starkey 707	36.04 58.22 52.53 54.43 23.31 26.97 49.12 57.33 27.77	36.48 59.02 55.73 55.54 24.27 28.13 50.02 57.88 28.26	36.83 60.35 61.69 57.02 26.32 32.39 51.05 58.52 30.41	-0.44 -0.80 -3.20 -1.11 -0.96 -1.16 -0.90 -0.55 -0.49	-0.79 -2.13 -9.16 -2.59 -3.01 -5.42 -1.93 -1.19 -2.64	35.03 57.90 54.24 54.15 14.90 27.43 39.91 56.32 24.92	36.94 66.52 59.94 58.50 21.79 32.95 49.63 58.13 29.21	1.01 0.32 -1.71 0.28 8.41 -0.46 9.21 1.01 2.85	33.03 53.09 40.07 53.55 10.77 24.02 33.81 54.43 22.70	MAR1991 JUL1994 JUN2001 MAY1997 JUN1994 MAY2009 MAY2001 OCT1980 JUN2000	42.47 72.53 69.46 64.80 29.34 38.19 53.78 60.49 33.85	DEC1997 JUL1984 FEB1977 JUN2003 SEP2004 DEC1997 SEP1979 SEP1998 MAR1998

Aquifer Resource Index

The Aquifer Resource Index (ARI) was created to provide information to the media, residents, local governments and other interested parties about current ground-water conditions and how they compare to historical records. The underlying purpose of this index is to provide the public with a gauge of ground-water levels in their area, so they can develop an understanding of the severity and cycles of drought and recovery.

The ARI is derived by comparing current ground-water levels with historical levels for 51 intermediate and Floridan aquifer (deep) monitor wells located throughout the three geographic areas of the District. Monitor wells with an adequate and reliable period-of-record to calculate weekly percentiles were selected for the network.

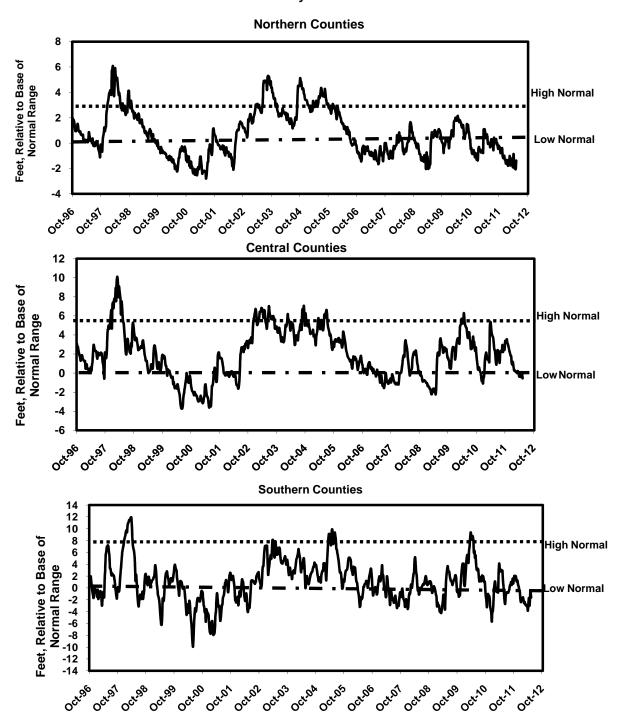
To determine the ARI value for a geographic area, each well is compared to its respective low-normal value weekly, and the difference is calculated. The weekly differences are used to determine the regional ARI value and the resulting ARI value represents how far water levels in the aquifer have to rise or fall to reach their respective low-normal value. The normal range for the northern region is approximately zero to three feet, zero to five-and-one-half feet for the central region and zero to eight feet for the southern region.

Weekly Aquifer Resource Index Level, In Feet (Relative to Bottom of the Normal Range or 25th Percentile)

Report Date	Northern Counties	Central Counties	Southern Counties
05/08/2012	-2.00	-0.41	-3.05
05/14/2012	-1.77	-0.41	-1.60
05/21/2012	-2.06	-0.12	-0.45
05/29/2012	-1.38	-0.55	-1.65
05/31/2012	-1.04	-0.40	-1.65

Note: A negative value indicates the regional average is below the "Low-Normal" level

AQUIFER RESOURCE INDEX* May 2012



^{*}Average Groundwater Level Relative to Low Normal Compiled By Pam Green

PUBLIC SUPPLY SURFACE WATER RESERVOIRS

CITY OF TAMPA RESERVOIR (Hillsborough River Basin): Constructed in 1924, it is located on the Hillsborough River in Hillsborough County. It is the fourth largest public supply surface water facility in the District. It is the main water supply for the City of Tampa and has a total storage capacity of 1.7 billion gallons (bg). The total usable volume is 1.4 bg, when the reservoir elevation is 22.5 feet NGVD. It is an in-stream reservoir with a depth that ranges between nine and 22 feet. Given this amount of water, it is estimated that a 15-day supply of water is available from this facility over an extended dry period. During periods of low water due to drought conditions, the facility is permitted to pump water from two alternate sources. The first of these two sources is the Tampa Bypass Canal. Water is pumped over the water control structure at S-161 into the Hillsborough River above the dam. The second source is Sulphur Springs, just downstream from the dam, where water is captured at the spring and pumped back behind the dam. Withdrawals from both sources are in strict accordance with pumpage schedules as outlined in the facility's water use permit. When water levels fall below 12 feet NGVD, water cannot be withdrawn because the reservoir level is below the intake pipes. The permitted average daily withdrawal for this facility is 82 mgd, with a permitted maximum daily withdrawal of 104 mgd. Currently, ground water wells are not used to augment this facility. The minimum producible level is 9.00 feet.

PEACE RIVER RESERVOIRS - PEACE RIVER/MANASOTA REGIONAL WATER

SUPPLY AUTHORITY (Peace River Basin): The Peace River reservoirs are located in southwestern DeSoto County. They are an off-stream reservoir system consisting of two reservoirs that store surface water captured from the Peace River during wet periods. The first reservoir, Reservoir 1, was built in 1980 and encompasses approximately 85 acres, has a water depth of approximately 31 feet, and has a total storage capacity of approximately 625 million gallons. The second reservoir, Reservoir 2, was built in 2009, covers about 616 acres, has a water depth of approximately 35 feet, and has a total storage capacity of about 6.0 billion gallons. The PRMRWSA facility ranks as the third largest in the District for total volume storage and supplies water to Charlotte, DeSoto, Manatee and Sarasota counties and to the City of North Port. The facility also uses an aquifer storage recovery (ASR) system for storing treated water pumped from the river. The minimum producible level at Reservoir 1 is Elevation 8.0 feet, while Reservoir 2 is Elevation 27.0 feet.

MANATEE RESERVOIR (Manasota Basin): Completed in 1967 by the damming of the Manatee River, the Manatee Reservoir is the second largest of the six surface-water public supply facilities within the District. Located in Manatee County, this in-stream facility has a storage capacity of 7.5 bg. The service area of the Manatee reservoir is the unincorporated portions of Manatee County, the City of Palmetto and Anna Maria Island, and also the Sarasota SUD#1. This reservoir provides essentially all public supply for Manatee County, with the exception of the City of Bradenton. The total size of this reservoir is 1800 acres with an average depth of 15 feet. With the reservoir full, the facility has approximately 220 days of available water supply. When the surface-water elevation drops below 21.0 feet, water cannot be withdrawn because levels are below the facility's intakes. The permitted average daily withdrawal for this facility is 34.9 mgd, with a permitted peak monthly quantity of 41.9 mgd. The minimum producible level is 21.00 feet.

EVERS RESERVOIR (Manasota Basin): Constructed in 1935 and expanded in 1985, it is located on the Braden River in Manatee County. This is the fifth largest public supply reservoir in the District. Its main service area is the City of Bradenton and approximately 500 customers outside the city. It has a total storage capacity of 1.5 bg. The total size of the facility is 300 acres with an average depth of 12 feet. Water ceases to flow over the dam when the level falls below 3.84 feet NGVD. During the 1985 drought, while expansion of the facility was taking place, the water level dropped to one foot below sea level and demand was still met. Given a completely full reservoir, with no water going over the spillway, it is estimated the facility could supply water for approximately 260 days, with no input from rainfall. The permitted average daily withdrawal for this facility is 6.95 mgd, with a permitted peak monthly quantity of 8.13 mgd. Currently, ground-water wells are not used to augment this facility.

SHELL CREEK RESERVOIR (Peace River Basin): Shell Creek Reservoir, located in Charlotte County, is the sixth largest surface water system within the District. This system was built in 1964 and services the City of Punta Gorda as well as unincorporated areas surrounding the city limits. The Shell Creek Reservoir is fed by two primary tributaries, Shell Creek from the east and Prairie Creek from the northwest. The total drainage area at Hendrickson Dam is 373 square miles. It has a surface area of 800 acres and depths of 10 to 12 feet. Total storage capacity is 765 mg. Even with this low volume of water, personnel at this facility estimate they have approximately 125 days of available supply with no input from rainfall. Water ceases to flow across the weir when surface elevations drop below 5.0 feet NGVD, and at 3.7 feet NGVD water quality becomes a major concern. When surface elevations drop below 1.75 feet NGVD, the water is below the intakes and withdrawal of water is not possible. The permitted average daily withdrawal by this facility is 5.358 mgd, with a permitted peak monthly quantity of 6.901 mgd. The minimum producible level is 1.70 feet.

C.W. BILL YOUNG REGIONAL RESERVOIR - TAMPA BAY WATER (Alafia River Basin): Constructed in early 2005, it is the largest public supply surface water facility in the District. Located in southern Hillsborough County, it is an off-stream reservoir that stores surface water skimmed from the Tampa Bypass Canal and Alafia and Hillsborough Rivers. It services the Tampa Bay region through the Tampa Bay Water regional public supply water distribution system. The reservoir has an estimated storage capacity of 15.0 bg when the water level elevation is 136.5 feet NGVD. The reservoir is approximately 45 feet deep, two miles long and one mile wide, and encompasses a land area of approximately 1,100 acres. It reportedly has the capacity to provide 25 percent of the Tampa Bay region's public supply needs for six months and can supply the Tampa Bay regional surface water treatment plant at full capacity for 227 days.

Reservoirs

Water-level data for the seven reservoirs are obtained weekly from the USGS, Manatee County Utilities Department, Peace River/Manasota Regional Water Supply Authority, or Tampa Bay Water. The weekly data are then reduced to a monthly average. The values reported are provisional and subject to revision.

In May, six of the seven reservoirs monitored for this report recorded average water-level decreases, compared to last month. The Evers, Hillsborough River, Bill Young, Peace River Nos. 1 and 2, and Shell Creek reservoirs posted average water level decreases of 0.72 foot, 0.76 foot, 4.14 feet, 0.10 foot and 2.70 feet, and 0.01 foot, respectively. The Lake Manatee reservoir posted a water level increase of 0.02 foot.

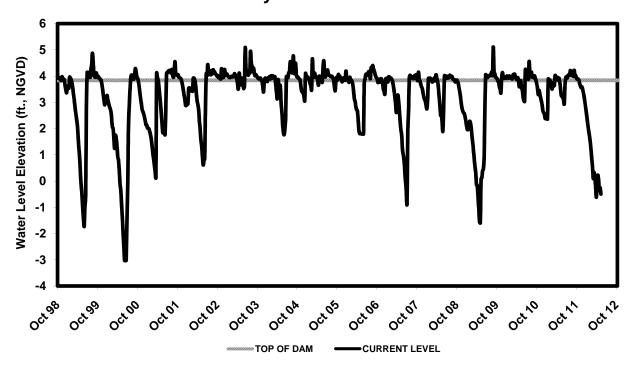
SUMMARY OF WATER LEVELS IN WATER SUPPLY RESERVOIRS (ELEVATION IN FEET, NGVD)

				Change	Change
	2012	2012	2011	from Prior	from Prior
RESERVOIR	April	May	May	Month	Year
Evers					
City of Bradenton	0.22	-0.5	3.27	-0.72	-3.77
Hillsborough					
City of Tampa	19.25	18.49	20.55	-0.76	-2.06
Lake Manatee					
Manatee County	37.12	37.14	37.22	0.02	-0.08
C.W. Bill Young Regional					
Tampa Bay Water	93.11	88.97	112.57	-4.14	-23.60
Peace River					
PRMRWSA Reservoir #1	24.9	24.8	22.8	-0.10	2.00
PRMRWSA Reservoir #2	46.4	43.7	45.9	-2.70	-2.20
Shell Creek					
City of Punta Gorda	5.02	5.01	5.19	-0.01	-0.18

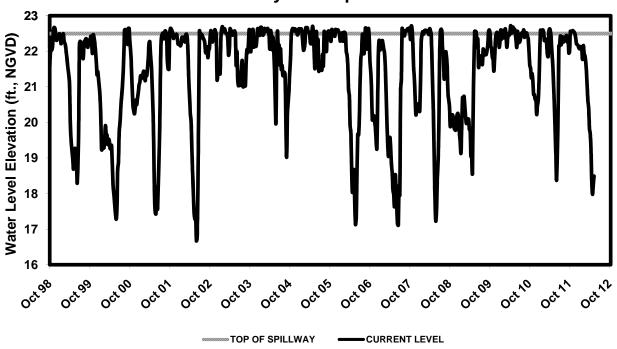
NGVD - National Geodetic Vertical Datum Reported data are provisional and subject to revision.

Compiled by Pam Green

EVERS RESERVOIR City of Bradenton

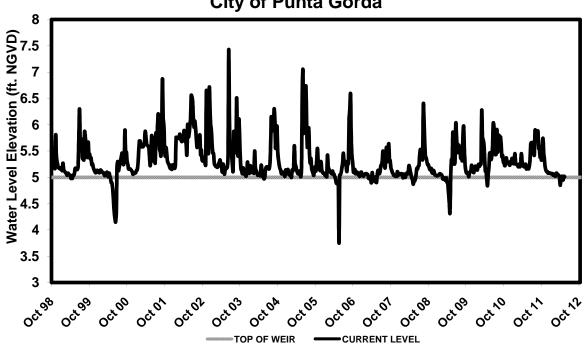


HILLSBOROUGH RESERVOIR City of Tampa

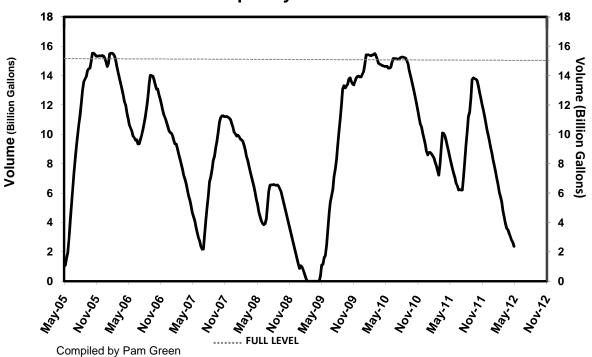


Compiled by Pam Green

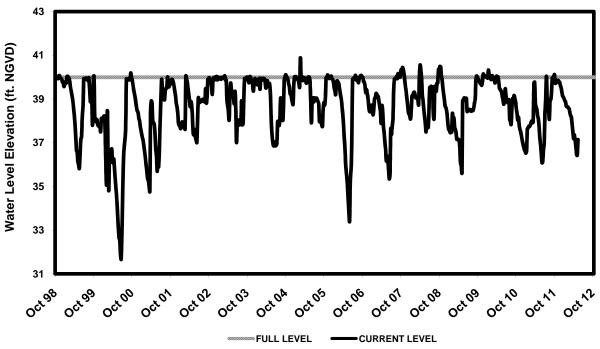
SHELL CREEK RESERVOIR City of Punta Gorda



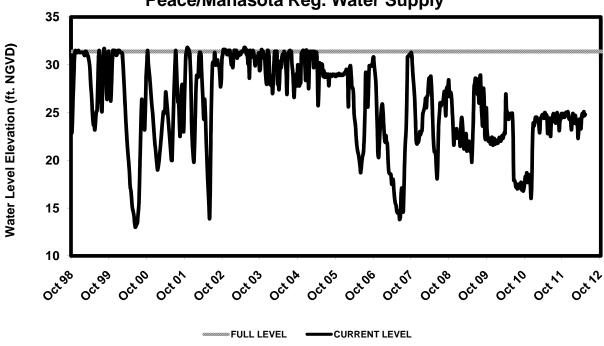
C.W. BILL YOUNG REGIONAL RESERVOIR Tampa Bay Water



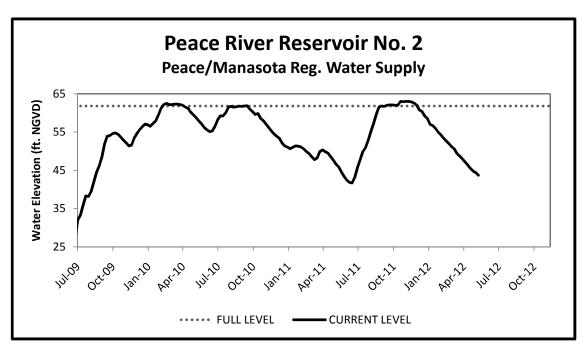
LAKE MANATEE RESERVOIR Manatee County



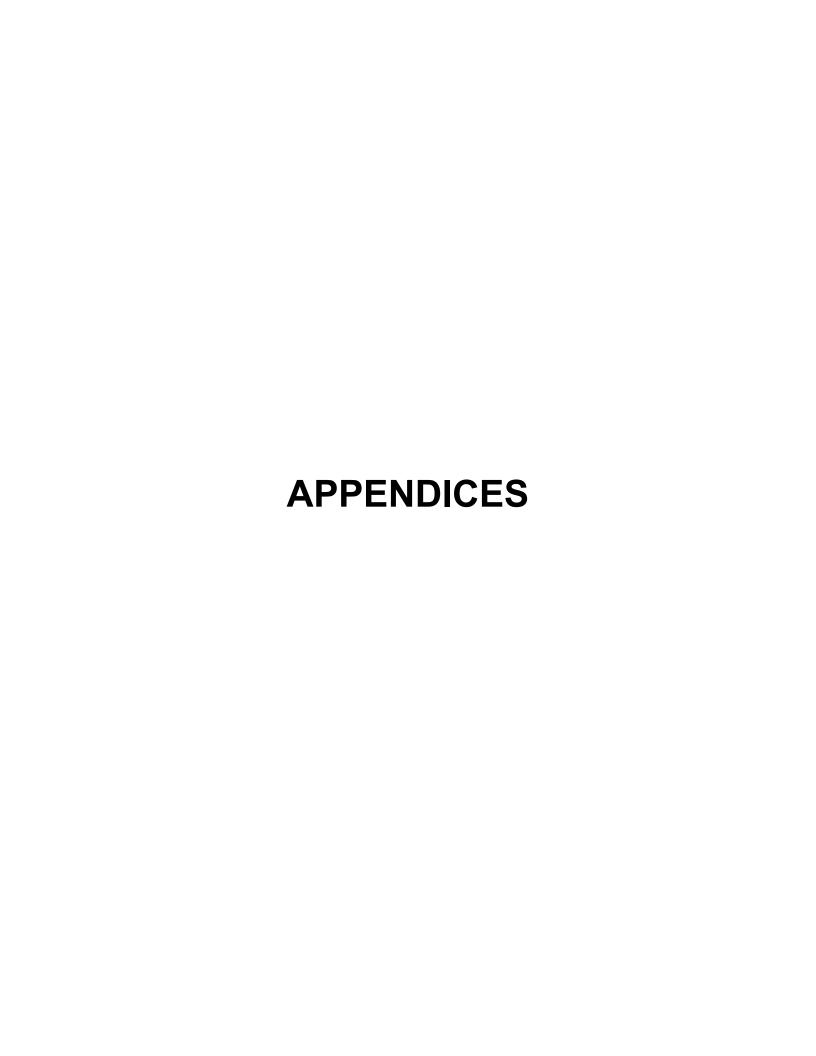
PEACE RIVER RESERVOIR No. 1 Peace/Manasota Reg. Water Supply



Compiled by Pam Green



Compiled by Pam Green



Rainfall percentiles by interval and region, inches.

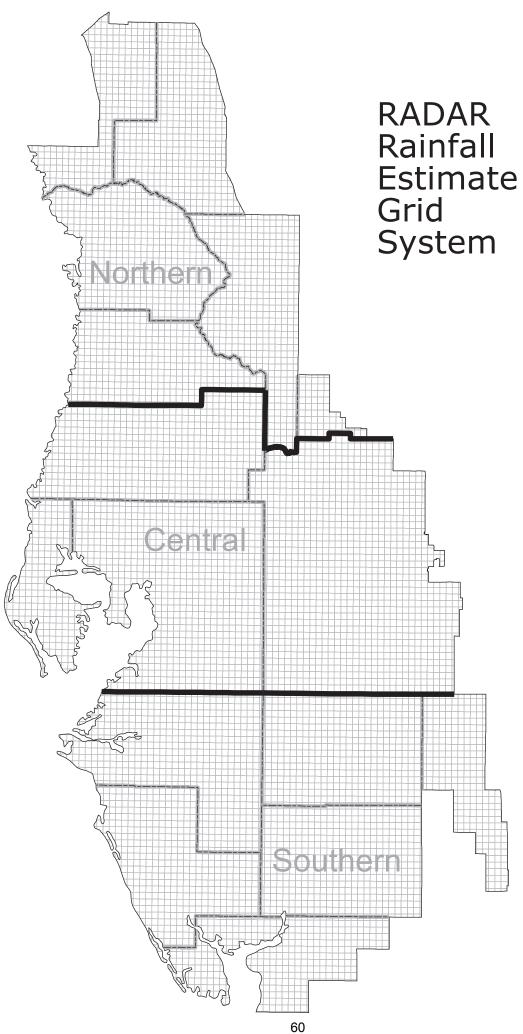
Rainfall percentiles by interval and region, inches.									
Rainfall Interval	Region	10 TH Percentile (P10)	25 th Percentile (P25)	50 th Percentile (P50)	75 th Percentile (P75)	90 th Percentile (P90)			
Annual total	Northern	43.19	48.35	54.01	58.86	63.46			
Annual total	Central	41.45	46.10	52.16	57.28	63.82			
Annual total	Southern	42.05	46.25	52.10 52.19	57.82	63.43			
Annual total	District	43.12	47.22	52.19	57.46	62.83			
	Northern			23.79	28.72	32.10			
Dry season total	Central	15.27 13.32	18.42 16.48	21.59	26.86	30.83			
Dry season total Dry season total	Southern	12.35	15.68	21.24	26.23	30.03			
Dry season total	District	13.71	16.79	22.02	27.22	29.70			
Wet season total	Northern	22.79	25.44	29.45	33.43	38.16			
Wet season total	Central	23.22	25.79	29.71	34.86	39.22			
Wet season total	Southern	24.37	27.37	30.58	35.88	41.68			
Wet season total	District	23.92	27.16	29.97	34.71	38.93			
January total	Northern	0.73	1.50	2.45	4.00	5.30			
January total	Central	0.73	1.21	2.43	3.72	4.60			
January total	Southern	0.72	0.93	1.88	3.72	4.93			
January total	District	0.65	1.17	2.10	3.55	4.90			
•	Northern	0.82	1.42	2.10	4.08	5.76			
February total	Central		1.42						
February total	Southern	0.60 0.36	1.12	2.38 2.21	4.17 3.63	5.50 4.93			
February total									
February total	District	0.73	1.32	2.38	3.94	5.12			
March total	Northern	1.00	2.06	3.15	5.43	7.21			
March total	Central	0.97	1.66	2.96	4.95	6.44			
March total	Southern	0.81	1.28	2.56	4.29	6.68			
March total	District	1.09	1.64	3.04	4.86	6.92			
April total	Northern	0.65	1.33	2.38	3.95	5.52			
April total	Central	0.51	0.96	1.87	3.44	5.59			
April total	Southern	0.48	1.19	2.04	3.75	4.66			
April total	District	0.65	1.20	2.24	3.72	5.12			
May total	Northern	1.18	1.95	3.21	4.67	6.92			
May total	Central	0.87	1.64	2.73	4.58	5.75			
May total	Southern	1.17	1.91	3.36	5.22	6.75			
May total	District	1.23	2.04	3.24	4.87	6.29			
June total	Northern	4.60	5.47	7.27	8.63	10.16			
June total	Central	3.65	4.79	6.46	8.27	9.48			
June total	Southern	4.22	5.63	7.44	9.06	12.06			
June total	District	4.55	5.46	7.24	8.60	10.99			
July total	Northern	5.36	6.75	8.29	9.16	11.52			
July total	Central	4.89	5.98	8.35	10.05	11.44			
July total	Southern	5.68	6.94	8.11	9.50	10.99			
July total	District	5.60	6.83	8.19	9.57	10.58			
August total	Northern	5.44	6.30	7.31	9.72	11.33			
August total	Central	5.52	6.55	7.90	9.62	12.03			
August total	Southern	5.55	6.22	7.70	8.97	10.49			
August total	District	5.65	6.52	7.70	9.37	10.67			
September total	Northern	2.79	4.18	5.84	8.04	11.35			
September total	Central	3.19	5.11	6.46	8.50	11.69			
September total	Southern	4.30	5.46	6.94	9.33	11.85			
September total	District	3.85	5.21	6.53	8.62	11.65			
October total	Northern	0.63	1.27	2.46	4.40	6.15			
October total	Central	0.69	1.39	2.61	4.03	6.13			
October total	Southern	0.92	1.78	2.73	4.27	6.04			
October total	District	1.06	1.57	2.80	4.15	5.79			

Rainfall percentiles by interval and region, inches (continued).

Rainfall Interval	Region	10 TH Percentile (P10)	25 th Percentile (P25)	50 th Percentile (P50)	75 th Percentile (P75)	90 th Percentile (P90)
November total	Northern	0.38	0.71	1.63	2.88	4.56
November total	Central	0.25	0.47	1.42	2.82	4.33
November total	Southern	0.40	0.64	1.46	2.56	3.82
November total	District	0.37	0.63	1.53	2.73	4.39
December total	Northern	0.54	1.06	2.06	3.71	5.19
December total	Central	0.48	0.84	1.89	3.03	4.87
December total	Southern	0.45	0.77	1.56	2.63	4.18
December total	District	0.54	0.89	1.86	2.92	4.34

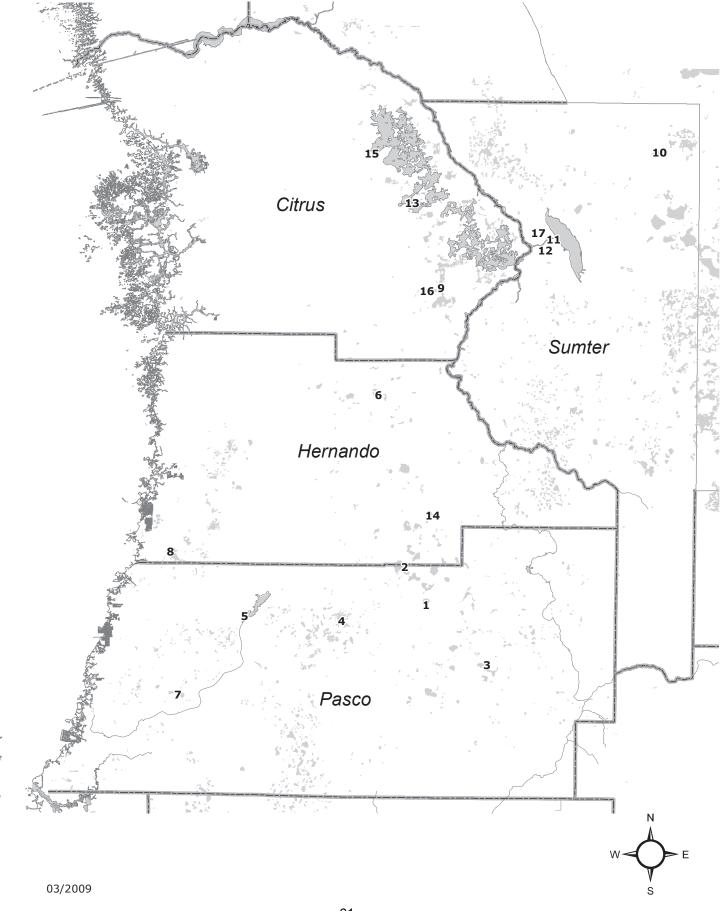
Rainfall characterization ranges

Characterization	Range	Corresponding Rainfall Percent of Normal (approximate)
Very dry	Less than the P10 rainfall	Less than 80 percent of normal
Drier than normal	P10 to P24 rainfal	80 to 90 percent of normal
Normal	P25 to P75 rainfall	90 to 110 percent of normal
Wetter than normal	P76 to P90 rainfal	110 to 120 percent of normal
Very Wet	Greater than the P90 rainfall	Greater than 120 percent of normal

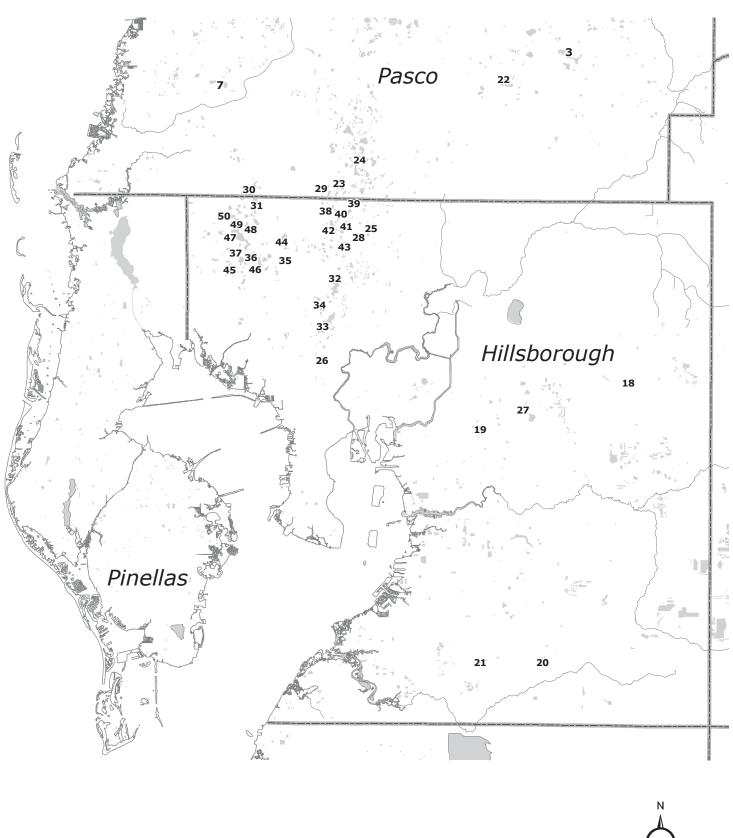




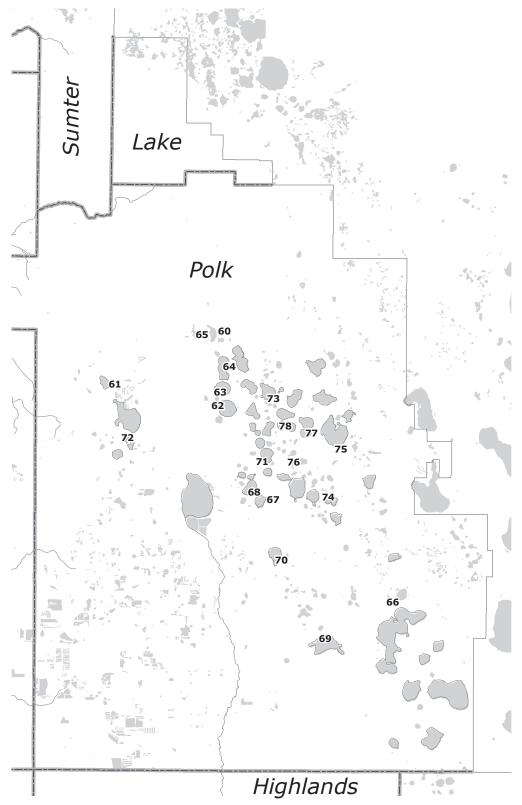
Selected Lake Monitoring Stations Northern Region



Selected Lake Monitoring Stations Tampa Bay Region

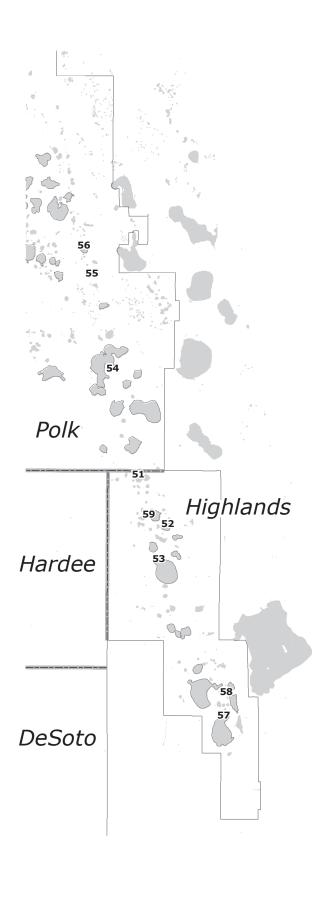


Selected Lake Monitoring Stations Polk Uplands Region





Selected Lake Monitoring Stations Lake Wales Ridge Region





Selected Lake Monitoring Stations

Northern Region

<u>Map ID</u>	Site Name
1	Lake Iola
2	Hancock Lake
3	Lake Pasadena
4	Big Fish Lake
5	Crews Lake
6	Lake Lindsey
7	Moon Lake
8	Hunters Lake
9	Tsala Apopka at Floral City
10	Lake Miona
11	Pana Vista Outlet River
12	Outlet River at Panacoochee
13	Tsala Apopka at Inverness
14	Spring Lake
15	Tsala Apopka at Hernando
16	Little Lake (Consuella)
17	Lake Panasoffkee

Tampa Bay Region

Map ID	Site Name	<u>Map ID</u>	Site Name
18	Mud (Walden) Lake	40	Lake Brooker
19	Gornto Lake	41	Cooper Lake
20	Carlton Lake	42	Lake Thomas
21	Lake Wimauma	43	Brant Lake
22	King Lake near San Antonio	44	Turkey Ford Lake
23	Lake Linda	45	Church Lake
24	Lake Padgett	46	Horse Lake
25	Keene Lake	47	Lake Alice
26	Egypt Lake	48	Lake Calm
27	Long Pond	49	Keystone Lake
28	Lake Stemper	50	Crescent Lake
29	Camp Lake		
30	Lake Ann (Parker)		
31	Lake Hiawatha		
32	Platt Lake		
33	Lake Carroll		
34	Bay Lake		
35	Lake LeClare		
36	Little Lake		
37	Rainbow Lake		
38	Lake Harvey		
39	Deer Lake		

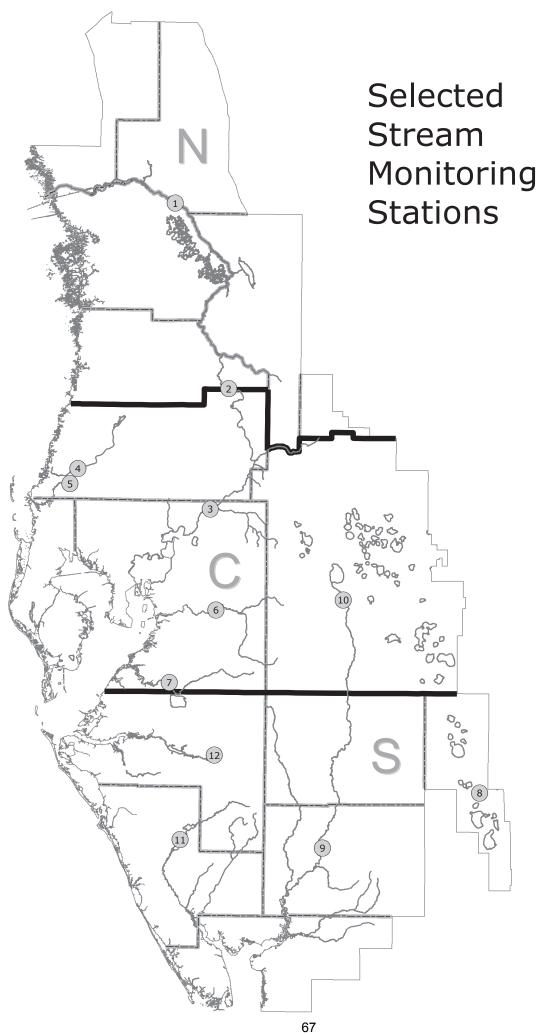
Selected Lake Monitoring Stations

Lake Wales Ridge Region

<u>Map ID</u>	Site Name
51	Trout Lake
52	Lake Letta
53	Lake Jackson at Sebring
54	Crooked Lake near Babson Park
55	Lake Starr
56	Lake Annie
57	Lake Placid
58	Lake Clay
59	Lake Lotela

Polk Uplands Region

Map ID	Site Name
60	Lake Helene
61	Lake Gibson
62	Lake Ariana
63	Lake Arietta
64	Lake Juliana
65	Clearwater Lake
66	Blue Lake South
67	Lake McLeod
68	Eagle Lake
69	Lake Buffum
70	Lake Garfield
71	Lake Howard
72	Lake Bonny
73	Lake Alfred
74	Lake Ruby
75	Lake Hamilton
76	Lake Otis
77	Lake Fannie
78	Lake Conine





Selected Stream Monitoring Stations

Map ID	<u>Site Name</u>
1	Withlacoochee River near Holder
2	Withlacoochee River at Trilby
3	Hillsborough River near Zephyrhills
4	Pithlachascotee River near New Port Richey
5	Anclote River near Elfers
6	Alafia River at Lithia
7	Little Manatee River near Wimauma
8	Josephine Creek near DeSoto City
9	Peace River at Arcadia
10	Peace River at Bartow
11	Myakka River near Sarasota
12	Manatee River near Myakka Head

STREAM MONITORING STATIONS

WITHLACOOCHEE RIVER (Northern Region)

Total length: 157 miles

Headwaters: NW Polk and southern Sumter Counties

Elevation: 135 feet

Tributaries: Little Withlacoochee, Big Gant Canal, Jumper Creek, Shady

Brook, Outlet River of Lake Panasoffkee, Leslie Heifner Canal, Orange State Canal, Tsala Apopka Outfall Canal and Rainbow

Springs.

Mouth: Gulf of Mexico, Citrus County

Average fall: 0.9 feet/mile Drainage area: 2000 square miles

Holder Station

County: Marion Period-of-record: 1928

Location: 38 miles upstream from mouth

Avg daily discharge: 1036.3 cfs Runoff per year: 10.36 inches

Max of monthly avg discharge: 7096.3 cfs in 04/1960
Min of monthly avg discharge: 111.8 cfs in 07/1992
Drainage area: 1825 square miles

Trilby Station

County: Hernando Period-of-record: 1928

Location: 93 miles upstream from mouth

Avg daily discharge: 336.3 cfs Runoff per year: 6.73 inches

Max of monthly avg discharge: 4254.7 cfs in 09/1933
Min of monthly avg discharge: 6.1 cfs in 07/1992
Drainage area: 570 square miles

ANCLOTE RIVER (Central Region)

Total length: 27.5 miles

Headwaters: South-central Pasco County, west of Land O Lakes

Elevation: 65 feet

Tributaries: South Branch and Hollin Creek Mouth: South Branch and Hollin Creek Gulf of Mexico, Pasco County

Average fall: 2.4 feet/mile Drainage area: 113 square miles

Elfers Station

County: Pasco Period-of-record: 1946

Location: 16 miles upstream from mouth

Avg daily discharge: 65.1 cfs
Runoff per year: 12.20 inches

Max of monthly avg discharge: 633.8 cfs in 09/1988
Min of monthly avg discharge: 1.4 cfs in 05/1981
Drainage area: 72.5 square miles

HILLSBOROUGH RIVER (Central Region)

Total length: 55 miles

Headwaters: Southeast Pasco County

Elevation: 77 feet

Tributaries: Crystal Springs, Blackwater Creek, Flint Creek, Trout Creek,

Cypress Creek, Curiosity Creek and Sulphur Springs

Mouth: Hillsborough Bay Average fall: 1.4 feet/mile Drainage area: 690 square miles

Zephyrhills Station

County: Hillsborough

Period-of-record: 1939

Location: 40 miles upstream from mouth

Avg daily discharge: 244.2 cfs Runoff per year: 15.05 inches

Max of monthly avg discharge: 2284.5 cfs in 12/1997 Min of monthly avg discharge: 47.1 cfs in 05/1994 Drainage area: 200 square miles

PITHLACHASCOTEE RIVER (Central Region)

Total length: 41 miles

Headwaters: Crews Lake and Masaryktown area in central Pasco and

southern Hernando Counties

Elevation: 120 feet

Mouth: Gulf of Mexico

Average fall: 2.9 feet/mile

Drainage area: 191 square miles

New Port Richey Station:

County: Pasco Period-of-record: 1963

Location: 10.5 miles upstream from mouth

Avg daily discharge: 27.9 cfs Runoff per year: 27.11 inches

Max of monthly avg discharge: 329.4 cfs in 09/1988

Min of monthly avg discharge: 0.0 cfs

Drainage area: 180 square miles

ALAFIA RIVER (Central Region)

Total length: 24 miles

Headwaters: Western Polk and eastern Hillsborough Counties

Tributaries: North and South Prongs, Lithia Springs, and Buckhorn Creek.

Elevation: 30 feet

Mouth: Tampa Bay

Average fall: 1.5 feet/mile

Drainage area: 420 square miles

Lithia Station:

County: Hillsborough

Period-of-record: 1932

Location: 16 miles upstream from mouth

Avg daily discharge: 339.7 cfs Runoff per year: 13.59 inches

Max of monthly avg discharge: 4185.4 cfs in 09/1933 Min of monthly avg discharge: 13.0 cfs in 05/1945 Drainage area: 335 square miles

LITTLE MANATEE RIVER (Central Region)

Total length: 39 miles

Headwaters: Southeast Hillsborough County

Tributaries: Carlton Branch, the South Fork, Dug Creek and Cypress Creek.

Elevation: 130 feet

Mouth: Tampa Bay

Average fall: 3.4 feet/mile

Drainage area: 225 square miles

Wimauma Station:

County: Hillsborough

Period-of-record: 1939

Location: 15 miles upstream from mouth

Avg daily discharge: 171.4 cfs Runoff per year: 15.68 inches

Max of monthly avg discharge: 1443.7 cfs in 07/1945 Min of monthly avg discharge: 3.8 cfs in 05/45

Drainage area: 149 square miles

JOSEPHINE CREEK (Southern Region)

Total length: 12 miles

Headwaters: Lake Josephine in central Highlands County

Elevation: 80 feet

Mouth: Lake Istokpoga in Highlands County

Average fall: 3.5 feet/mile
Drainage area: 143 square miles

DeSoto City Station:

County: Highlands Period-of-record: 1946

Location: 4.9 miles upstream of mouth

Avg daily discharge: 74.2 cfs Runoff per year: 8.90 inches

Max of monthly avg discharge: 769.9 cfs in 09/1960 Min of monthly avg discharge: 1.1 cfs in 05/56 Drainage area: 109 square miles

MANATEE RIVER (Southern Region)

Total length: 45 miles

Headwaters: Four corners area Hillsborough, Polk, Hardee and manatee Counties.

Elevation: 130 feet
Mouth: Tampa Bay
Average fall: 2.9 feet/mile
Drainage area: 330 square miles

Myakka Head Station:

County: Manatee Period-of-record: 1966

Location: 36 miles upstream from mouth

Avg daily discharge: 69.6 cfs Runoff per year: 14.62 inches

Max of monthly avg discharge: 529.7 cfs in 09/1994 Min of monthly avg discharge: 0.5 cfs in 04/75 Drainage area: 65.3 square miles

MYAKKA RIVER (Southern Region)

Total length: 54.1 miles

Headwaters: Western Hardee and Eastern Manatee Counties
Tributaries: Howard Creek, Deer Prairie, and Big Slough Canal

Elevation: 105 feet

Mouth: Charlotte Harbor Average fall: 1.9 feet/mile Drainage area: 540 square miles

Sarasota Station:

County: Sarasota Period-of-record: 1936

Location: 36 miles upstream from mouth

Avg daily discharge: 250.5 cfs Runoff per year: 15.03 inches

Max of monthly avg discharge: 2467.2 cfs in 09/1947 Min of monthly avg discharge: 0.0 cfs numerous times

Drainage area: 229 square miles

PEACE RIVER (Central and Southern Region)

Total length: 120 miles

Headwaters: Green Swamp in northern Polk County through Lake Hancock, Winter Haven

chain of lakes, and Lake Hamilton.

Tributaries: Peace Creek Canal, Saddle Creek, Charlie Creek, Prairie Creek, Horse Creek,

Joshua Creek and Shell Creek. Elevation: 110 feet

Mouth: Charlotte Harbor Average fall: 1 feet/mile

Drainage area: 2300 square miles

Arcadia Station (Southern Region):

County: Desoto Period-of-record: 1931

Location: 36 miles upstream from mouth

Avg daily discharge: 1078.9 cfs Runoff per year: 10.79 inches

Max of monthly avg discharge: 9876.0 cfs in 09/1933

Min of monthly avg discharge: 51.6 cfs 05/85
Drainage area: 1367 square miles

Bartow Station (Central Region):

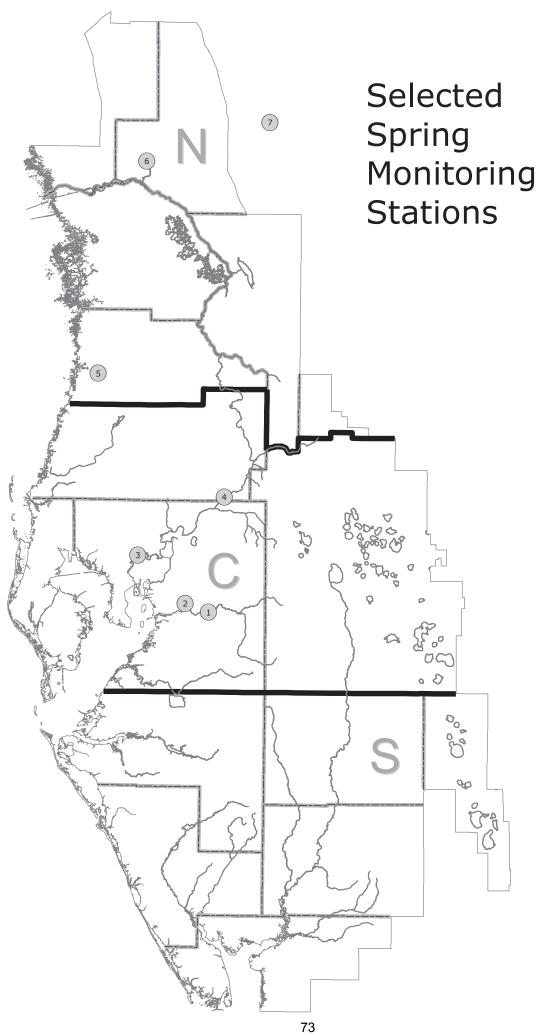
County: Polk Period-of-record: 1939

Location: 105 miles upstream from mouth

Avg daily discharge: 224.1 cfs Runoff per year: 6.72 inches

Max of monthly avg discharge: 2261.5 cfs in 09/1960

Min of monthly avg discharge: 6.4 cfs 05/90 Drainage area: 390 square miles





Selected Spring Monitoring Stations

Map ID	<u>Site Name</u>
1	Lithia Main Spring
2	Buckhorn Main Spring
3	Sulphur Springs at Sulphur Springs
4	Crystal Springs near Zephyrhills
5	Weeki Wachee River near Brooksville
6	Rainbow Springs near Dunnellon
7	Silver Springs near Ocala

SPRINGS MONITORING STATIONS

RAINBOW SPRINGS (Northern Region)

County: Marion

Basin: Withlacoochee River

1st Magnitude:

Discharge measurement location: 5 mi downstream from head of springs Discharge contributes to: Rainbow River, Withlacoochee River

Public Access: Yes Period-of-record: 1965

Non-recording gage Gage: Maximum daily mean: 1061 cfs in 09/1988 Minimum daily mean: 489 cfs in 06/2000

SILVER SPRINGS (Northern Region)

County: Marion

Basin: Ocklawaha River

Magnitude:

4 to 5 mi downstream from head of springs Discharge measurement location: Discharge contributes to:

Silver Springs River, Ocklawaha River,

St. Johns River

Public Access: Yes 1932 Period-of-record:

Gage: Water-stage recorder Maximum daily mean: 1290 cfs in 10/1960 Minimum daily mean: 432 cfs in 07/2000

WEEKI WACHEE SPRINGS (Northern Region)

County: Hernando Basin: **Coastal Rivers**

1st Magnitude:

1 mi downstream from head of springs Discharge measurement location:

Discharge contributes to: Weeki Wachee River

Public Access: Yes Period-of-record: 1993

Gage: Water-stage

229 cfs in 03/1998 Maximum daily mean: Minimum daily mean: 101 cfs in 06/1994

CRYSTAL SPRINGS (Central Region)

County: Pasco

Basin: Hillsborough River

Magnitude:

Difference between discharge measurements Discharge measurement location:

> of Hillsborough River made upstream from and downstream from Crystal Springs

Hillsborough River Discharge contributes to:

Public Access: Nο 1923 Period-of-record:

Gage: Non-recording gage Maximum daily mean: 147 cfs in 07/1941 Minimum daily mean: 22 cfs in 08/1986

SULPHUR SPRINGS (Central Region)

County: Hillsborough
Basin: Hillsborough River

Magnitude: 2nd

Discharge measurement location: 300 ft downstream from gage

Discharge contributes to: Hillsborough River

Public Access: Yes Period-of-record: 1956

Gage: Water-stage recorder Maximum daily mean: 145 cfs in 03/1960

Minimum daily mean: 0 cfs for various days throughout the

period-of-record

BUCKHORN SPRINGS (Central Region)

County: Hillsborough Basin: Alafia River

Magnitude: 2nd

Discharge measurement location: Difference between discharge measurements

of Buckhorn Creek made 25 ft upstream from and 100 ft downstream from Buckhorn Springs

Discharge contributes to: Buckhorn Creek, Alafia River

Public Access: No Period-of-record: 1987

Gage: Water-stage recorder
Maximum daily mean: 21.9 cfs in 02/1989
Minimum daily mean: 2.7 cfs in 06/1987

LITHIA SPRINGS: (Central Region)

County: Hillsborough Basin: Alafia River

Magnitude: 2nd

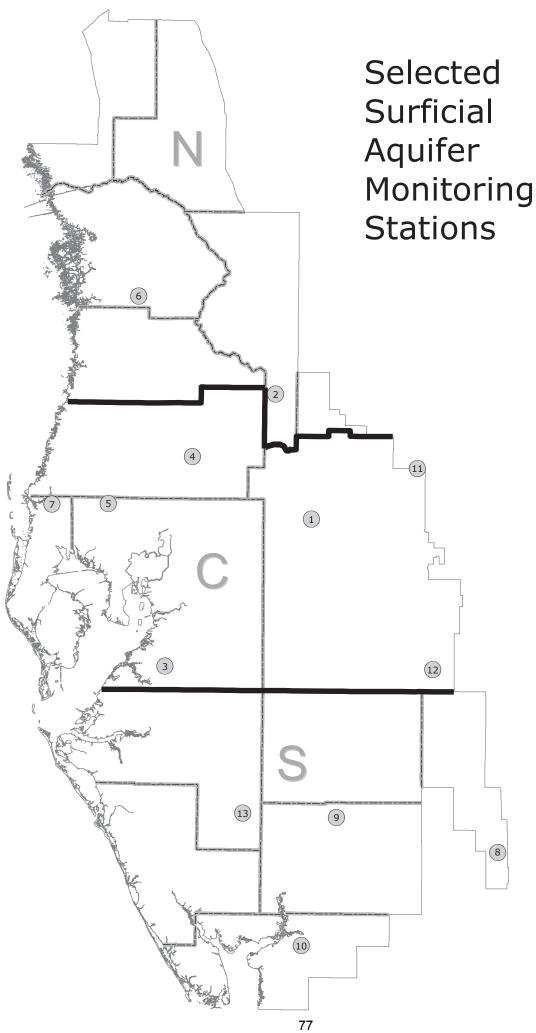
Discharge measurement location: 50 feet downstream from main pool

Discharge contributes to:

Alafia River

Public Access: Yes Period-of-record: 1934

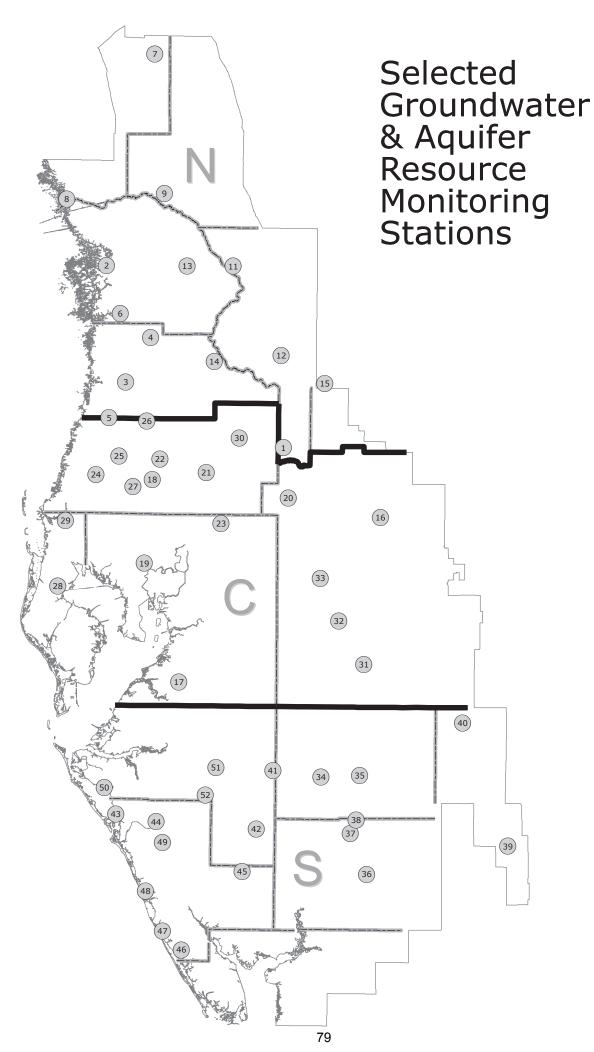
Gage: Water-stage recorder
Maximum daily mean: 83.4 cfs in 10/1967
Minimum daily mean: 6.3 cfs in 02/1989





Selected Surficial Aquifer Monitoring Stations

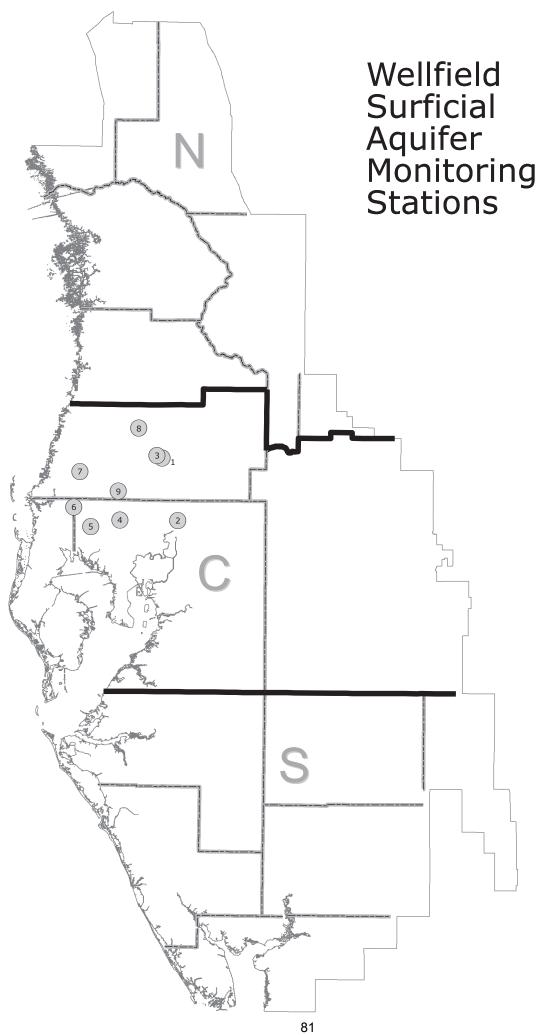
Map ID	<u>Site Name</u>
1	State Road 33/Combee Road Shallow
2	Green Swamp L12B Shallow
3	ROMP 50 Surficial
4	State Road 577 Shallow
5	Lutz-Lake Fern Shallow
6	Lecanto 2 Shallow
7	Tarpon Road Shallow
8	Bairs Den Surficial
9	ROMP 26 Surficial
10	State Road 74 (77-Foot) Shallow
11	Loughman Shallow
12	USGS P-48 Shallow
13	Edgeville 4 Shallow



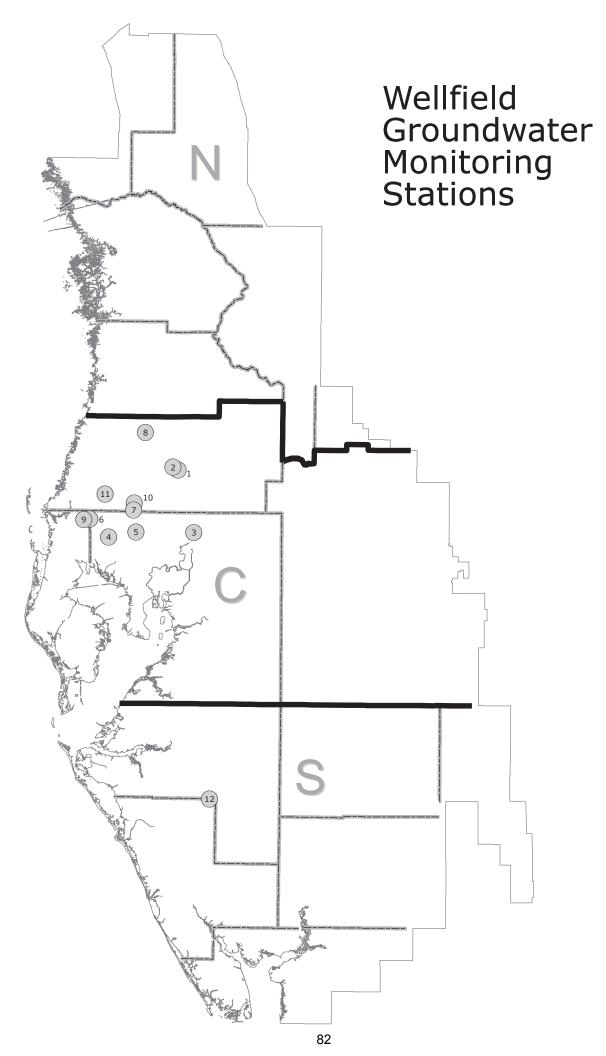


Selected Groundwater & Aquifer Resource Monitoring Stations

Map ID	Site Name	Map ID	Site Name
1	ROMP 89 Ocala	43	Sarasota 11 th Street Deep
2	ROMP TR 21-2 Ocala/Avon Park	44	Sarasota 9 Deep
3	Weeki Wachee Deep	45	Big Slough Deep
4	ROMP 107 Ocala/Avon Park	46	Englewood 14 Deep
5	ROMP 97 Avon Park	47	Manasota 14 Deep
6	Chassahowitzka 1 Deep	48	ROMP TR 5-1 Suwannee
7	ROMP 134 Ocala/Avon Park	49	Florida Cities Test 1
8	ROMP TR 124 Avon Park	50	ROMP TR 7-1 Tampa
9	CE 14 Dunnellon Deep	51	Kibler Deep
10	Verna Test 0-1		
11	Sumter 13 JC 59 Upper Floridan		
12	Webster City Floridan		
13	Inverness DOT Floridan		
14	ROMP 103 Suwannee/Ocala		
15	Mascotte Deep		
16	Lake Alfred Deep near Lake		
	Alfred		
17	ROMP 50 Avon Park		
18	Pasco 13 Floridan near Drexel		
19	ROMP 66 Tampa		
20	ROMP 87 Avon Park		
21	State Road 577 Deep		
22	ROMP 93 Suwannee/Avon Park		
23	Hillsborough River State Park		
	Parking Lot Deep		
24	Moon Lake Deep		
25	State Road 52 Deep West near		
	Fivay Junction .		
26	Masaryktown Deep		
27	Bexley 2 Floridan		
28	Pinellas 665 Floridan		
29	Tarpon Road Deep		
30	Lykes Pasco Floridan		
31	ROMP 45 Avon Park		
32	ROMP 59 Suwannee/Avon Park		
33	Sanlon Ranch Floridan		
34	ROMP 31 Suwannee/Avon Park		
35	ROMP 30 Suwannee/Avon Park		
36	ROMP 16 Ocala		
37	ROMP 26 Suwannee/Avon Park		
38	Marshall Deep		
39	ROMP 28X Suwannee/Avon		
07	Park		
40	ROMP 43XX Avon Park		
41	ROMP 32 Lower Ocala/Avon		
	Park		
42	Edgeville 3 Deep		
	3-1 o poob		









Wellfield Groundwater Monitoring Stations

<u>Map ID</u>	<u>Site Name</u>
1	Cypress Creek TMR-1 Deep
2	Cypress Creek TMR-3 Deep
3	Morris Bridge 3A Floridan
4	Cosme 3 Floridan
5	St. Pete Hillsboro 13 Deep
6	Eldridge-Wilde 11 Floridan
7	St. Pete 42 Deep
8	Cross Bar WRW Floridan
9	Eldridge-Wilde 2S Deep
10	State Road 54 Deep
11	Starkey Regional Floridan
12	Verna 08 Deep

Wellfield Surficial Aquifer Monitoring Stations

Map ID	Site Name
1	Cypress Creek TMR-1 Shallow
2	Morris Bridge 3A Surficial
3	Cypress Creek TMR-3 Shallow
4	St. Pete Hillsboro 13 Shallow
5	St. Pete IC-6 Shallow
6	Eldridge-Wilde 11 Surficial
7	Starkey 707 Shallow
8	Cross Bar SERW Shallow
9	State Road 54 Shallow

