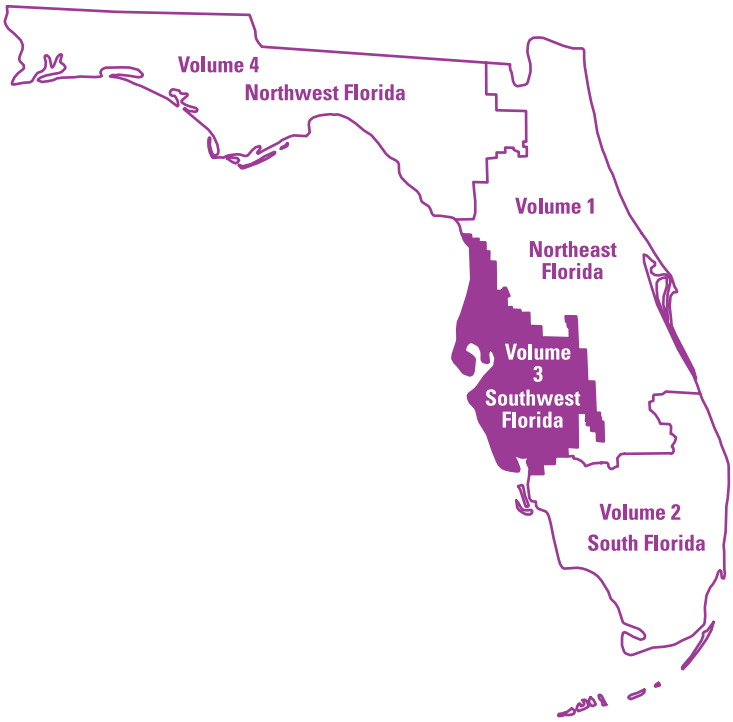
Prepared in cooperation with the State of Florida and with other agencies

Water Resources Data
Florida
Water Year 2004

Volume 3B. Southwest Florida Ground Water



Water-Data Report FL-04-3B

U.S. Department of the Interior
U.S. Geological Survey

Calendar for Water Year 2004

2003

October

S	M	T	W	T	F	S
			1	2	3	4
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2004

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August

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29	30	31				

September

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19	20	21	22	23	24	25
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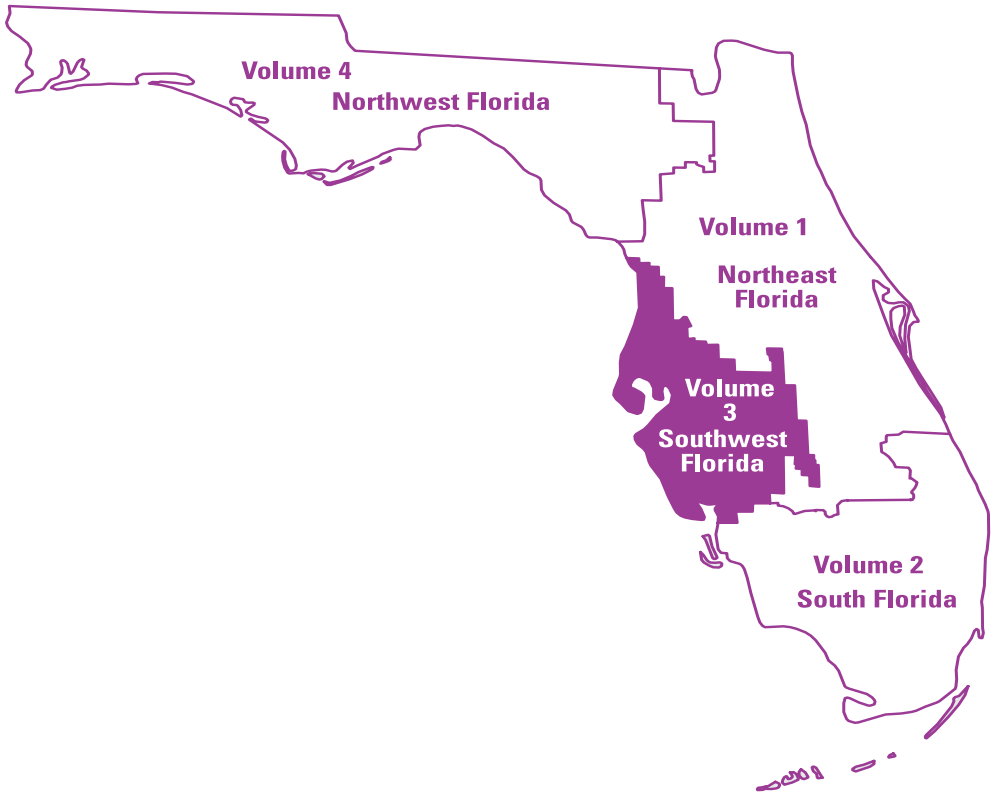
Water Resources Data
Florida
Water Year 2004

Volume 3B. Southwest Florida Ground Water

By Richard L. Kane

Water-Data Report FL-04-3B



Prepared in cooperation with the State of Florida and with other agencies

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U.S. Geological Survey

U.S. Department of the Interior
Gale A. Norton, Secretary

U.S. Geological Survey
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2005

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PREFACE

This volume of the annual hydrologic data report of Florida is one of a series of annual reports that document hydrologic data gathered for the U.S. Geological Survey's surface- and ground-water data collection networks in each state, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Florida are contained in four volumes.

Volume 1. Northeast Florida
Volume 2. South Florida
Volume 3. Southwest Florida
Volume 4. Northwest Florida

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data. This report was prepared for publication by J. M. Todd, and the Summary of Hydrologic Conditions was prepared by D. L. Fulcher under the supervision of R. L. Kane. The following individuals contributed significantly to the collection, processing, and tabulation of the data:

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This report was prepared in cooperation with the State of Florida and with other agencies listed on page 1.

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY *(Leave blank)*	2. REPORT DATE	3. REPORT TYPE AND DATES COVERED
	March 10, 2005	Annual- October 1, 2003 to September 30, 2004

4. TITLE AND SUBTITLE

Water Resources Data - Florida, Water year 2004
Volume 3B: Southwest Florida Ground Water

5. FUNDING NUMBERS

6. AUTHOR(S)

R. L. Kane

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

U.S. Geological Survey
10500 University Center Dr., Suite 215
Tampa, FL 33612

8. PERFORMING ORGANIZATION REPORT NUMBER

USGS-WDR-FL-04-3B

9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)

U.S. Geological Survey
10500 University Center Dr., Suite 215
Tampa, FL 33612

10. SPONSORING / MONITORING AGENCY REPORT NUMBER

USGS-WDR-FL-04-3B

11. SUPPLEMENTARY NOTES

Prepared in cooperation with the state of Florida and other agencies.

12a. DISTRIBUTION / AVAILABILITY STATEMENT

No restriction on distribution. This report may be purchased from:
National Technical Information Center
Springfield, Va 22161

12b. DISTRIBUTION CODE

13. ABSTRACT *(Maximum 200 words)*

Water resources data for the 2004 water year in Florida consist of continuous or daily discharges for 405 streams, periodic discharge for 12 streams, continuous or daily stage for 159 streams, periodic stage for 19 streams, peak stage for 30 streams and peak discharge for 30 streams, continuous or daily elevations for 14 lakes, periodic elevations for 23 lakes; continuous ground-water levels for 408 wells, periodic ground-water levels for 1,188 wells, and quality-of-water data for 140 surface-water sites and 240 wells.

The data for Southwest Florida include records of stage, discharge, and water quality of streams; stage, contents, water quality of lakes and reservoirs, and water levels and water quality of ground-water wells. Volume 3B contains records for continuous ground-water elevations for 98 wells; periodic ground-water elevations at 56 wells; miscellaneous ground-water elevations at 374 wells; and water quality at 25 ground-water sites.

These data represent the national Water Data System records collected by the U.S. Geological Survey and cooperating local, state, and federal agencies in Florida.

14. SUBJECT TERMS

*Florida, *Hydrologic data, *Surface Water, *Ground Water, *Water Quality, Flow-rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water Temperatures, Sampling sites, Water Levels, Water analyses, Elevations, Water wells.

15. NUMBER OF PAGES

215

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
UNCLASSIFIED			UNCLASSIFIED

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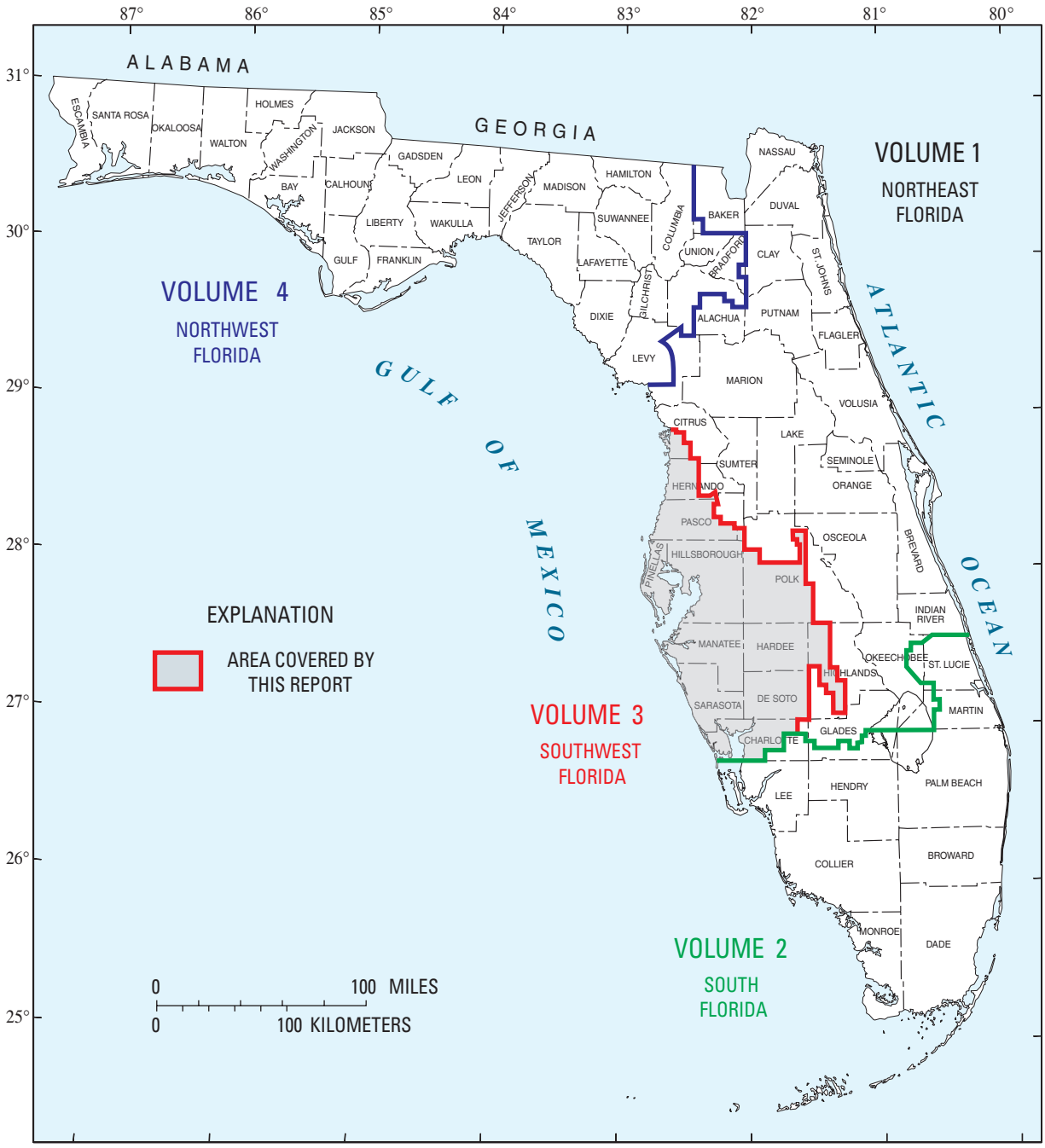


Figure 1.--Geographic area covered by this report.

WATER RESOURCES DATA FOR FLORIDA, 2004
Volume 3B: Southwest Florida Ground Water

INTRODUCTION

The U.S. Geological Survey, in cooperation with local, State, and Federal agencies, obtains a large amount of data pertaining to the water resources of Florida each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Florida."

This report series includes records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. Volume 3B contains records for continuous ground-water elevations at 98 wells; periodic ground-water elevations at 56 wells; miscellaneous ground-water elevations at 374 wells; and water-quality at 25 ground-water sites. Locations of these sites are shown on figure 1. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Florida.

This series of annual reports for Florida began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the l975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Florida were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage, and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from U.S. Geological Survey, Branch of Information Services, Box 25286, Federal Center, Denver, CO 80225.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report FL-04-3B." For archiving and general distribution, the reports for l971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the Office at the address given on the back of the title page or by telephone (813) 975-8620.

COOPERATION

The U.S. Geological Survey and agencies of the State of Florida have had cooperative agreements for the collection of water-resource records since 1930. Organizations that assisted in collecting the data in this report through cooperative agreement with the Survey are:

City of Bradenton
City of Sarasota
City of Tampa
County of Hillsborough
County of Manatee
County of Pinellas
Peace/Manasota Regional Water Supply Authority
Florida Department of Environmental Protection
City of North Port
Tampa Bay Water
Southwest Florida Water Management District
Federal Program

SUMMARY OF HYDROLOGIC CONDITIONS

During the 2004 water year, precipitation at 12 National Oceanic and Atmospheric Administration (NOAA) sites in southwest Florida (fig. 2) ranged from 43.40 inches at Venice in Sarasota County (site 18) to 67.44 inches at Bartow in Polk County (site 13). The 2004 water year total rainfall was higher at 11 of 12 long-term sites than the respective 30-year (1961-90) averages (normal rainfall). At Venice in Sarasota County, total rainfall was 5.37 inches lower than the 30-year average. Total rainfall at the 12 sites ranged from 5.37 inches below normal at Venice in Sarasota County (site 18) to 16.68 inches above normal at Bartow in Polk County (site 13). Two of the NOAA rainfall sites, Punta Gorda in Charlotte County (site 19) and Wauchula in Hardee County (site 15) had incomplete data due to hurricanes in August and September. Rainfall data from USGS and Southwest Florida Water Management District (SWFWMD) rainfall sites in the vicinity of the two NOAA sites were used to augment missing days. For Punta Gorda (site 19), rainfall data from ROMP TR 1-2 (SWFWMD) were used during the period of August 13 – 15, 2004, and rainfall data from Shell Creek near Punta Gorda (USGS) were used during the period September 3 – 6, 2004. At Wauchula (site 15), rainfall data from Hickory Creek (SWFWMD) were used for the periods of August 14-30, and September 25-27, 2004.

The ground-water system in southwest Florida is a multiaquifer system consisting of a thick sequence of carbonate rock overlain by clastic deposits. The aquifer systems lie atop each other. For example, the surficial aquifer system overlies the intermediate aquifer system, which overlies the Floridan aquifer system. The surficial aquifer system is present over much of southwest Florida and consists of a thin, widespread layer of unconsolidated sand, shelly sand, and shell, with some minor limestone beds. In places, clay beds are sufficiently thick and continuous to divide the system into two or three aquifers; mostly, however, the system is undivided. The thickness of the aquifer system is generally less than 50 feet, but its thickness in ridge areas can be much greater. Thicknesses of 200 feet or more are common in Highlands, Polk, and Pasco Counties. This aquifer system generally yields small volumes of water, and is primarily used for domestic supplies.

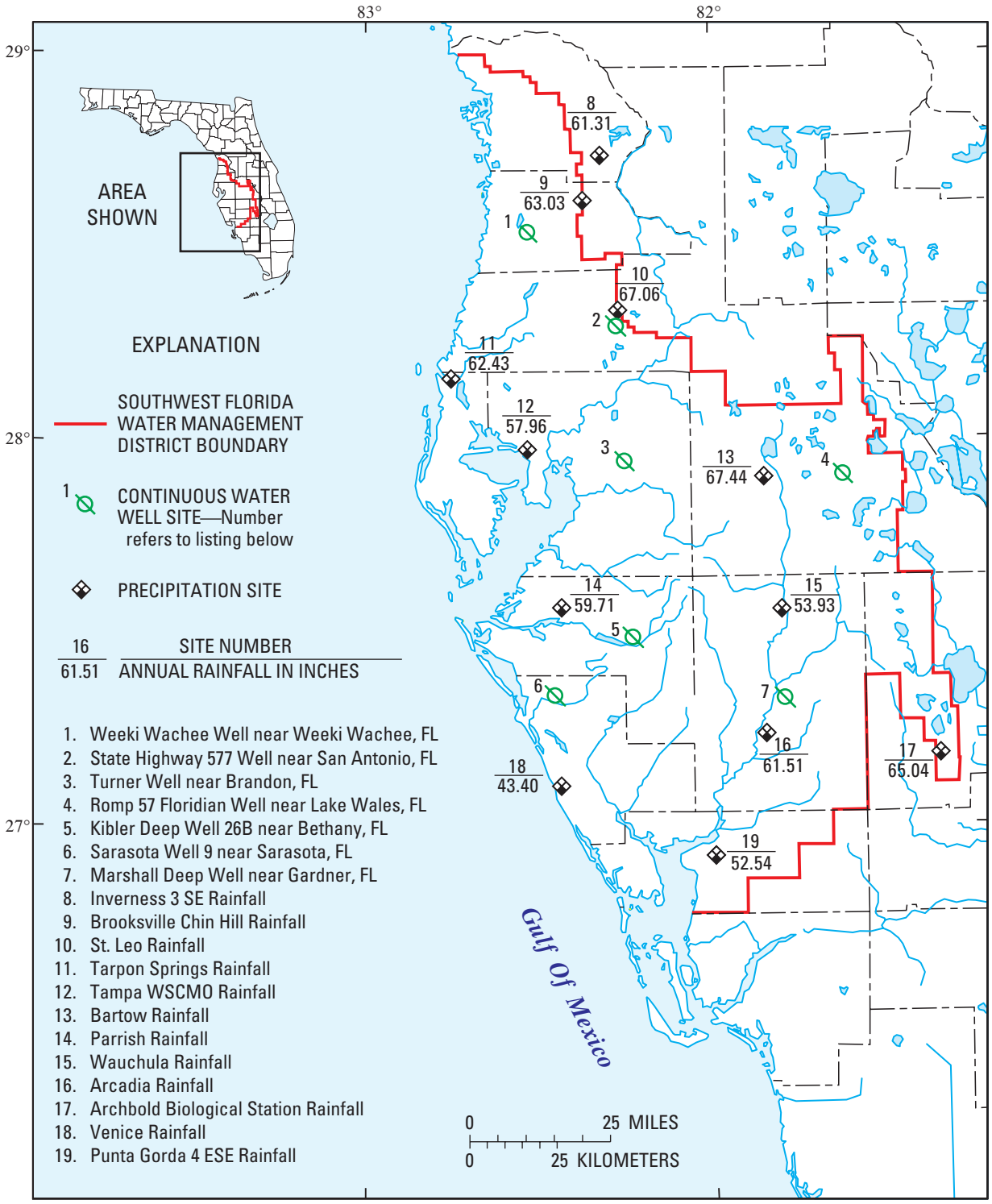
The intermediate aquifer system underlies the surficial aquifer system and overlies the Floridan aquifer system. The intermediate aquifer system consists of as many as three water-bearing units that are composed of clastic sediments interbedded with carbonate rocks. In areas where the aquifer system is thin or absent, including a large area of Citrus, Hernando, Sumter, and Pasco Counties, the Floridan aquifer system is unconfined. Clay confining units isolate the aquifers in the system from the Floridan and surficial aquifer systems. This aquifer system contains water under confined, or artesian, conditions, but does not yield as much water as the underlying Floridan aquifer system. The intermediate aquifer system is an important source of municipal supply in Sarasota and Charlotte Counties, where the underlying Floridan aquifer system is deeply buried and contains brackish or saltwater. Elsewhere, it primarily is used for domestic supplies.

The Floridan aquifer system consists of a thick sequence of carbonate rocks and is the most productive aquifer in southwest Florida. The Floridan underlies the intermediate aquifer system where the latter is present; it also underlies the surficial aquifer system, but is separated from them practically everywhere by a thick, clayey confining unit. Where the surficial aquifer system overlies the Floridan, the clayey confining unit between the systems is thick in some places and thin or absent in other places. The Floridan aquifer system consists of the Upper and Lower Floridan aquifers that are separated by a middle confining unit. The middle confining unit and the Lower Floridan aquifer is brackish to saline and is not used as a water supply in southwest Florida. Thickness of the Floridan aquifer system ranges from less than 600 feet in Citrus County to more than1,800 feet in Charlotte County. The Floridan aquifer system provides water for several large cities and for hundreds of thousands of people in smaller communities and rural areas. Locally, the Floridan is intensively pumped for industrial and irrigation supplies.

Generally, water levels are lowest in May at the height of the spring dry season. Ground-water levels generally are highest in September at the end of the wet season when ground-water withdrawals for agricultural use are low.

Figures 3 through 9 show representative hydrographs for wells in the Upper Floridan aquifer and the relation between the monthly mean water levels in the 2004 water year and maximum, median, and minimum monthly water levels for 10 years of record. Wells at sites 1 and 2 (fig. 2) are representative of wells in the northern part of the area (figs. 3 and 4). Wells at sites 3 and 4 (fig. 2) are representative of wells in the central part of the area (figs. 5 and 6). Wells at sites 5, 6, and 7 (fig. 2) are representative of wells in the southern part of the area (figs. 7-9).

Ground-water levels in some coastal areas in southwest Florida are affected by tidal fluctuations in the Gulf of Mexico. Water levels fluctuate several feet in some wells in response to tidal fluctuations.



Base from U.S. Geological Survey digital data, 1:2,000,000, 1972
Albers Equal-Area Conic projection
Standard Parallels 29°30′ and 45°30′, central meridian –83°00′

Figure 2.--Hydrologic conditions index map.

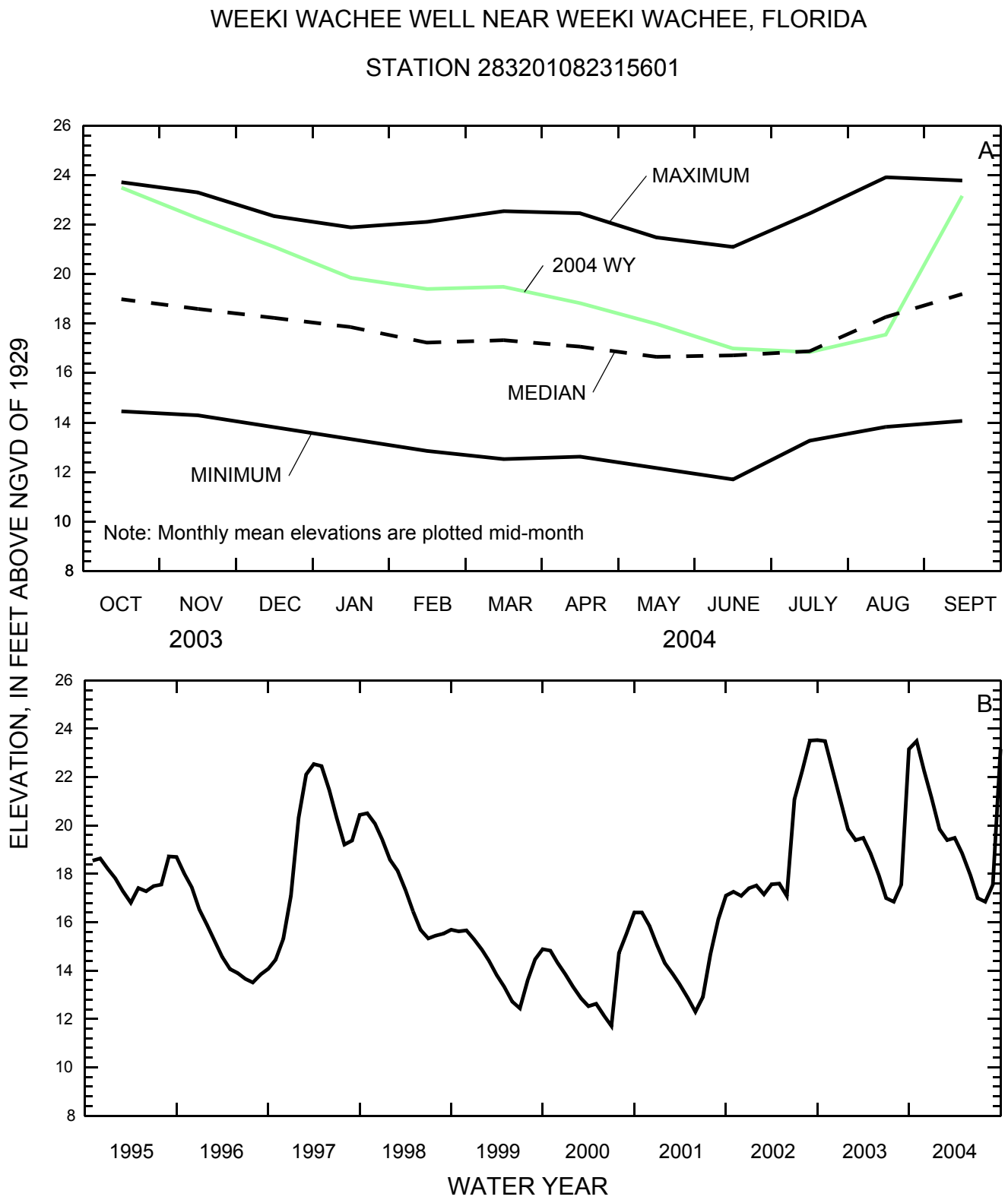


Figure 3.--Weeki Wachee well near Weeki Wachee, Upper Floridan aquifer, (A) 2004 monthly mean elevation compared to the maximum, median, and minimum monthly mean elevation for the period of record, and (B) the monthly mean elevation for the period 1995-2004.

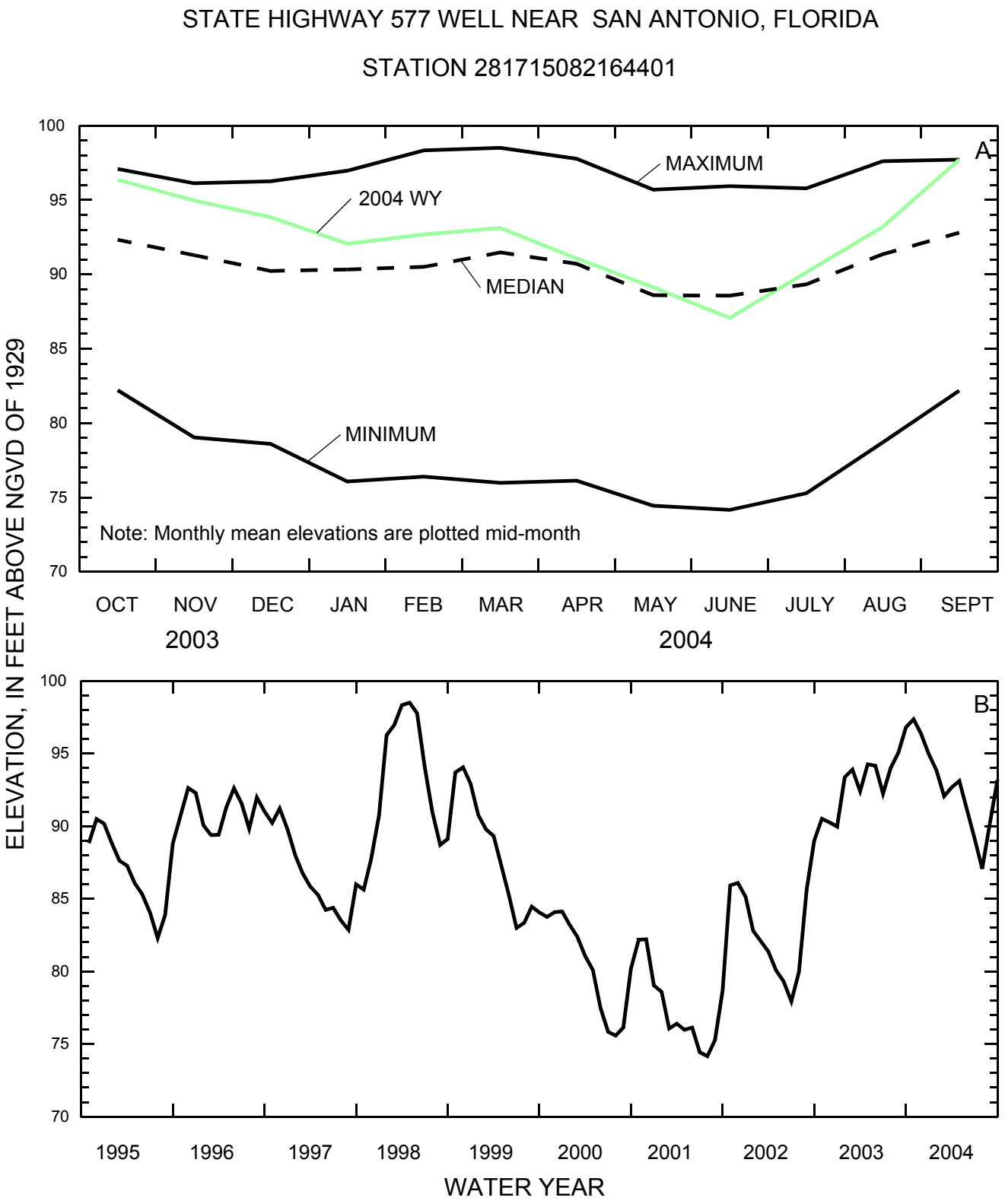


Figure 4.--State Highway 577 well near San Antonio, Upper Floridan aquifer, (A) 2004 monthly mean elevation compared to the maximum, median, and minimum monthly mean elevation for the period of record, and (B) the monthly mean elevation for the period 1995-2004.

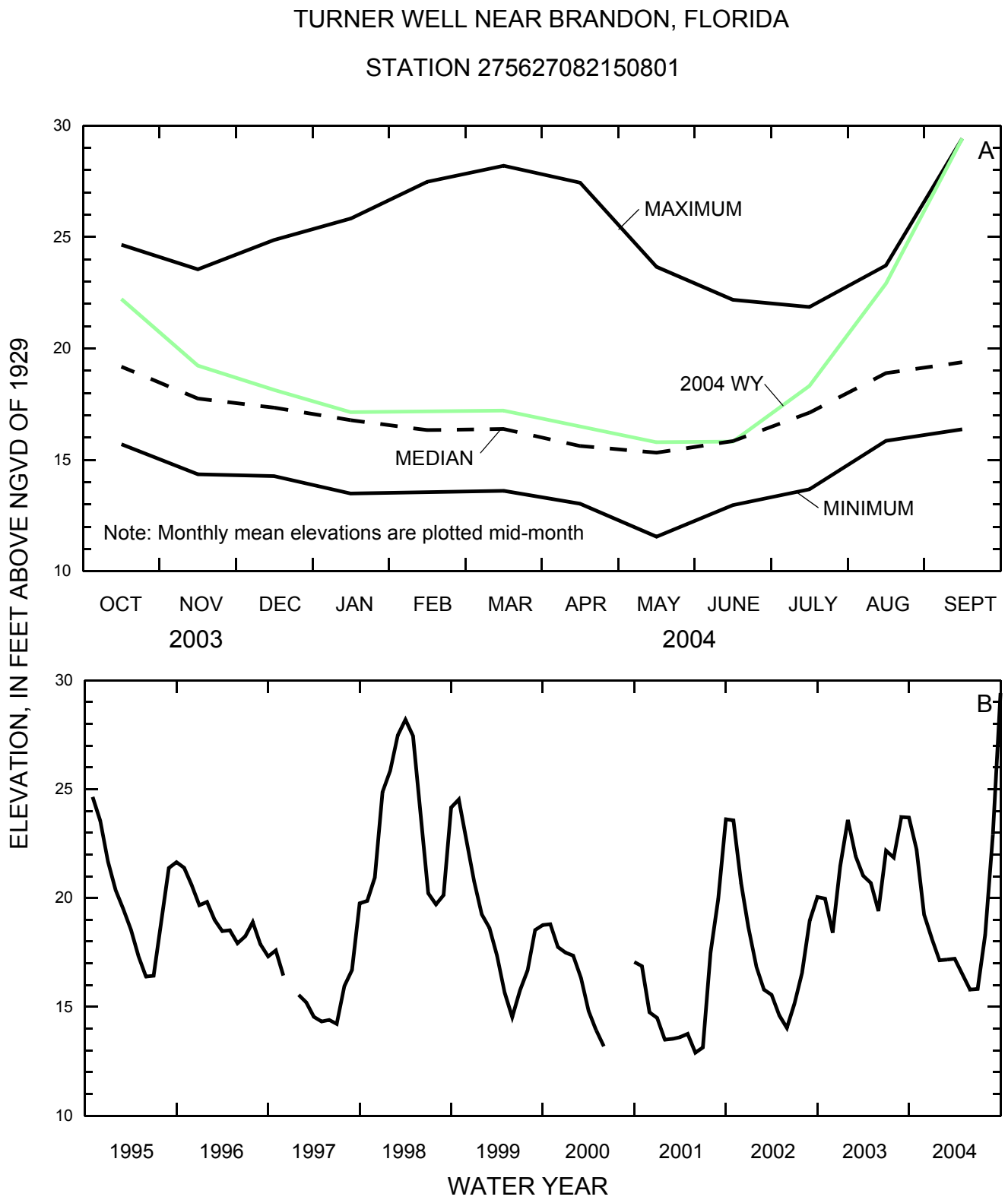


Figure 5.--Turner well near Brandon, Upper Floridan aquifer, (A) 2004 monthly mean elevation compared to the maximum, median, and minimum monthly mean elevation for the period of record, and (B) the monthly mean elevation for the period 1995-2004.

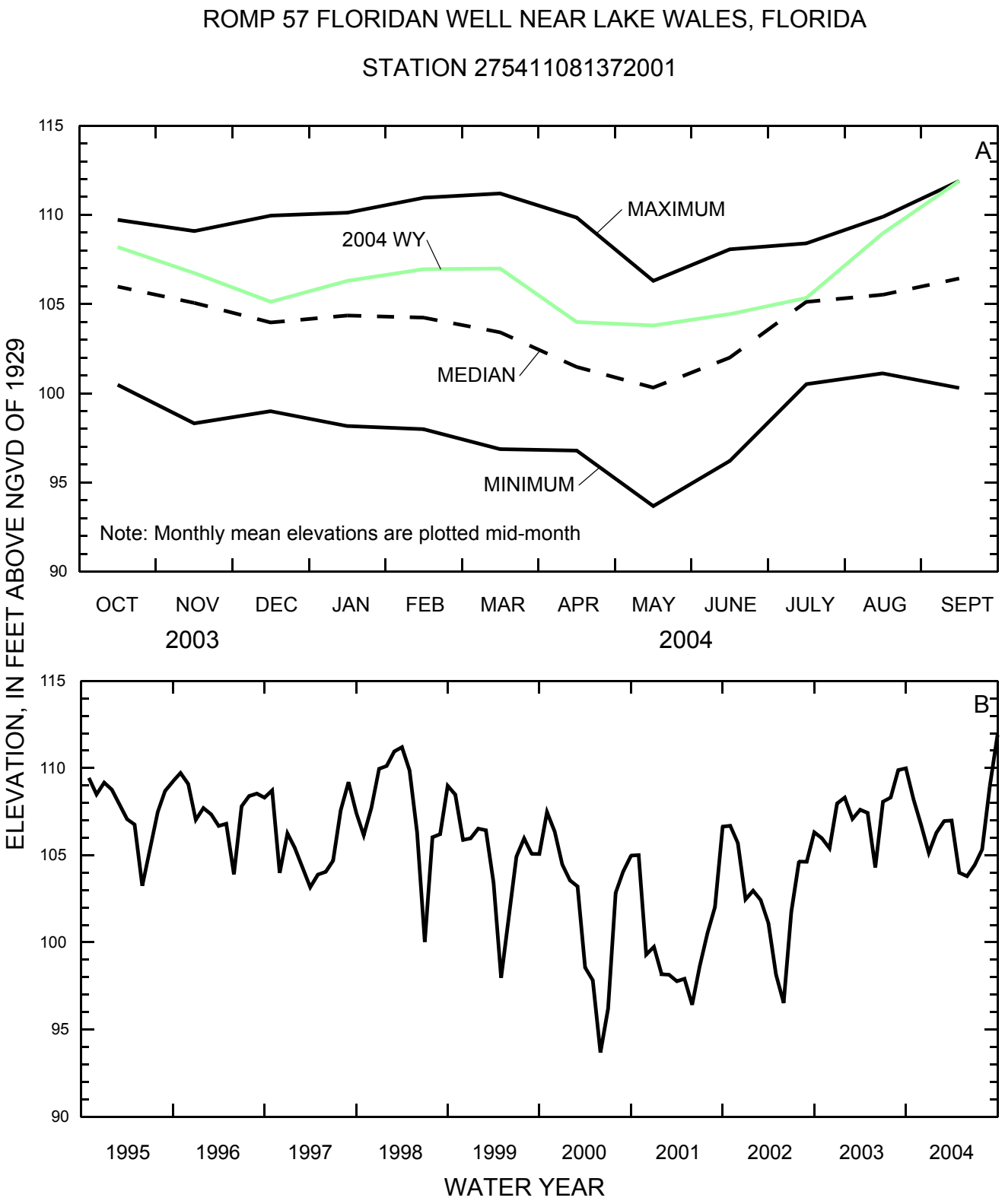


Figure 6.--ROMP 57 Floridan well near Lake Wales, Upper Floridan aquifer, (A) 2004 monthly mean elevation compared to the maximum, median, and minimum monthly mean elevation for the period of record, and (B) the monthly mean elevation for the period 1995-2004.

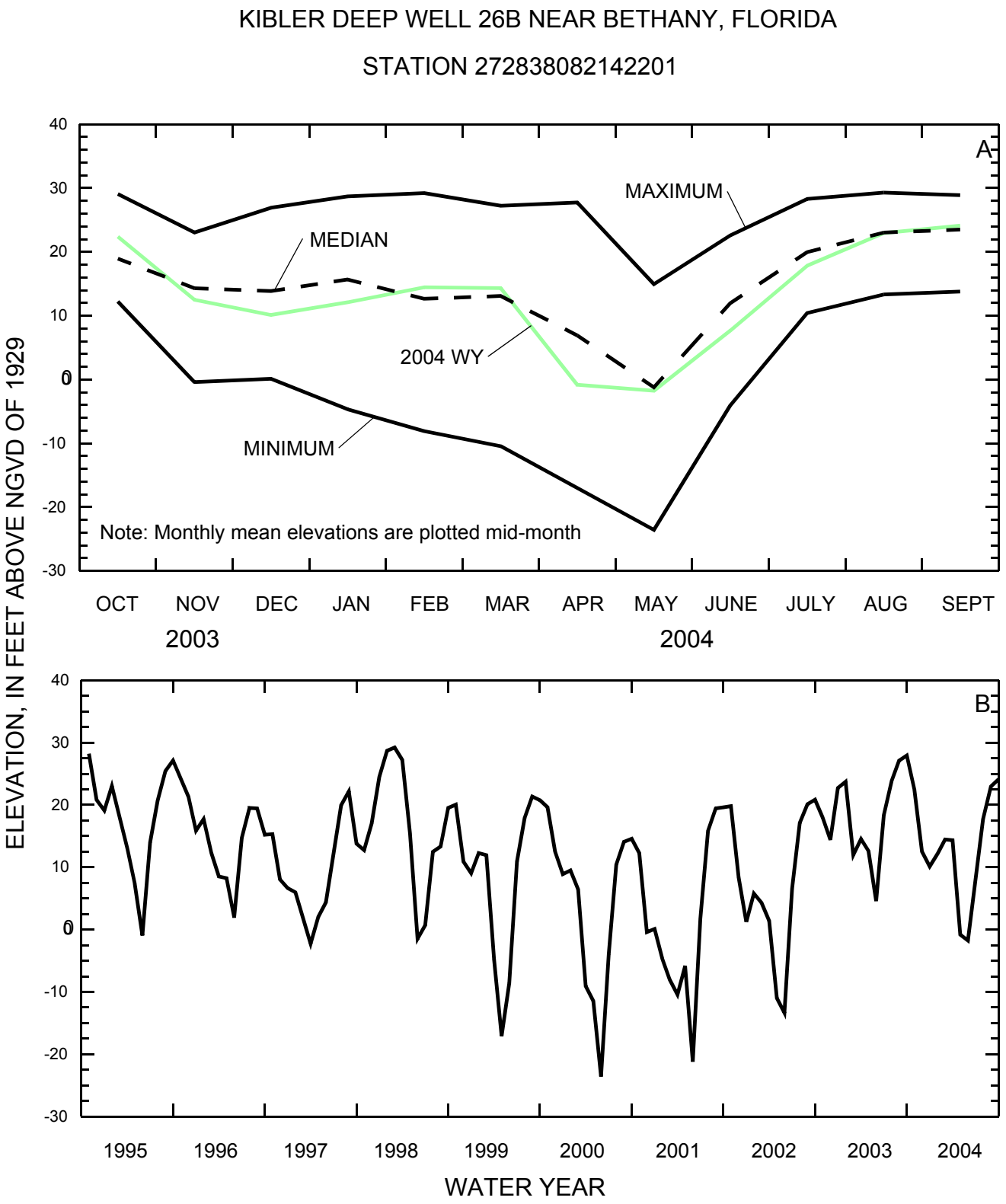


Figure 7.--Kibler deep well 26B near Bethany, Upper Floridan Aquifer, (A) 2004 monthly mean elevation compared to the maximum, median, and minimum monthly mean elevation for the period of record, and (B) the monthly mean elevation for the period 1995-2004.

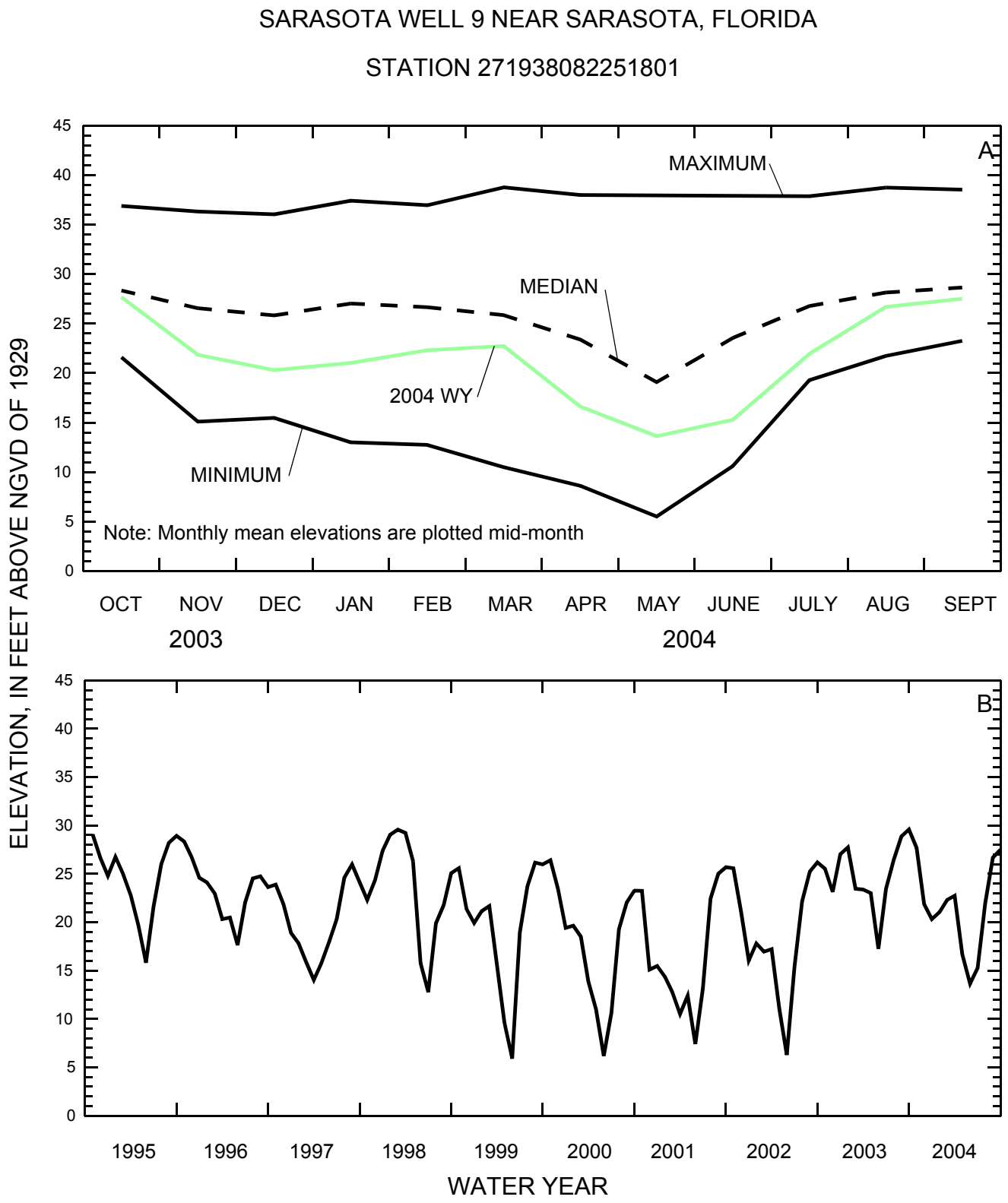


Figure 8.--Sarasota well 9 near Sarasota, Upper Floridan aquifer, (A) 2004 monthly mean elevation compared to the maximum, median, and minimum monthly mean elevation for the period of record, and (B) the monthly mean elevation for the period 1995-2004.

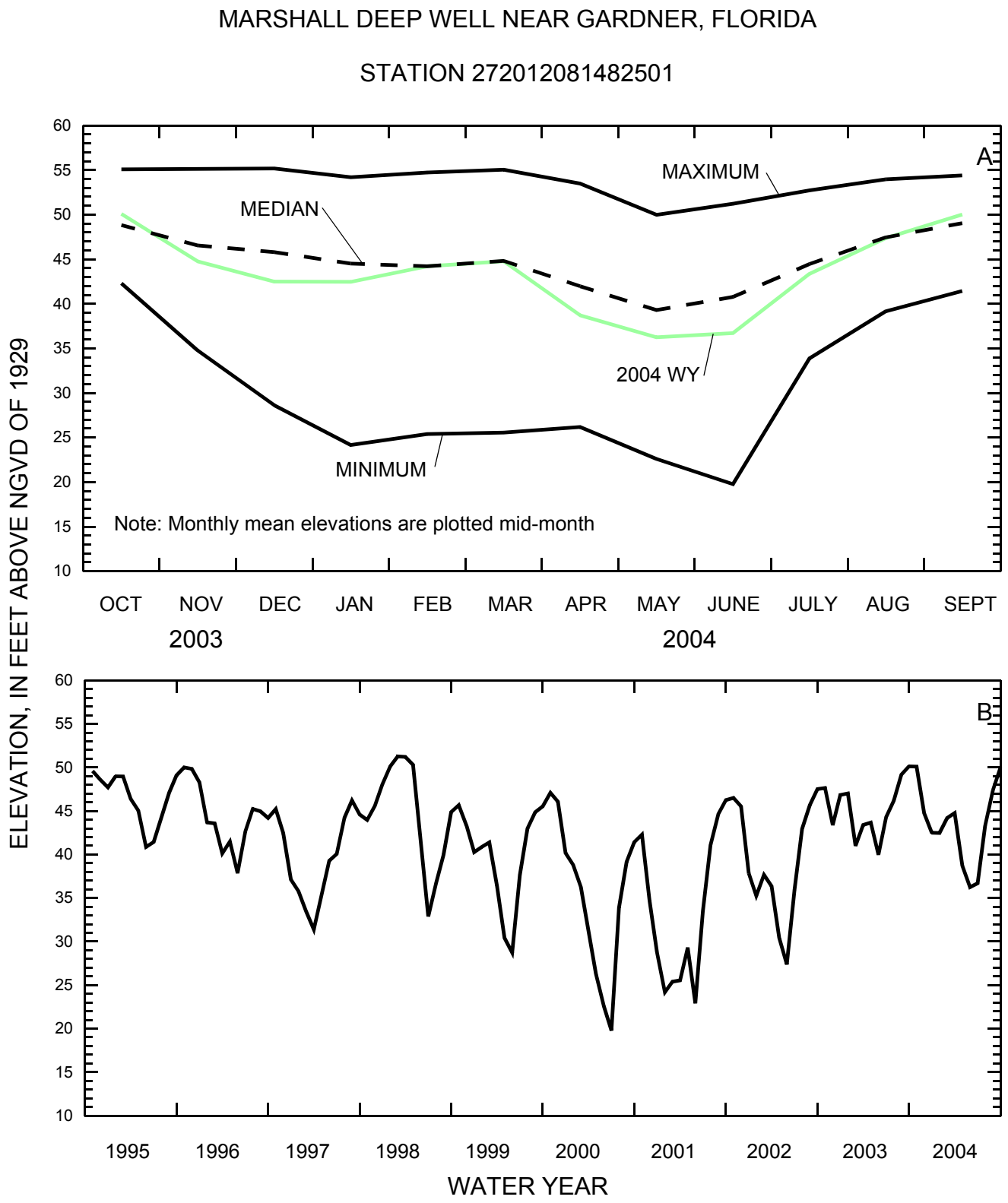


Figure 9.--Marshall deep well near Gardner, Upper Floridan aquifer, (A) 2004 monthly mean elevation compared to the maximum, median, and minimum monthly mean elevation for the period of record, and (B) the monthly mean elevation for the period 1995-2004.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Generally, only ground-water-level data from selected wells with continuous recorders from a basic network of observation wells are published in this report. This basic network contains observation wells located so that the most significant data are obtained from the fewest wells in the most important aquifers.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as “01,” “02,” and so forth, would be assigned as one would for wells (see fig.10). The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Most methods for collecting and analyzing water samples are described in the TWRIs referred to in the On-site Measurements and Sample Collection and the Laboratory Measurements sections in this report. In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The TWRI publications may be accessed from *http://water.usgs.gov/pubs/twri/*. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long enough to ensure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (EOM).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth of water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

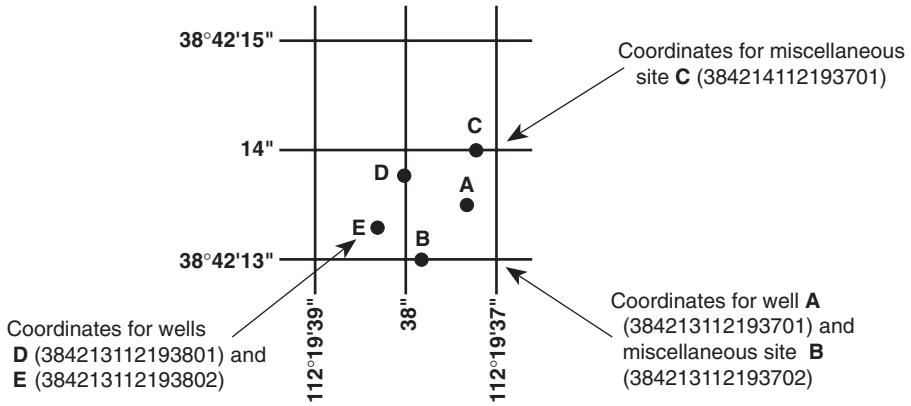


Figure 10. System for numbering wells and miscellaneous sites (latitude and longitude).

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification number is the local or county well number. Well locations are shown in figures 11-22; each well is identified on the map by its local well or county well number.

Each well record consists of three parts: the well description, the data table of water levels observed during the water year, and, for most wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.

INSTRUMENTATION.—This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on continuous, monthly, or some other frequency of measurement.

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above National Geodetic Vertical Datum of 1929 (NGVD 29); it is reported with a precision depending on the method of determination.

REMARKS.—This entry describes factors that may influence the water level in a well or the measurement of the water level, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsd). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder’s float mechanism to water-level fluctuations in a well.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide.

Most methods for collecting and analyzing water samples are described in the “Techniques of Water-Resources Investigations of the United States Geological Survey” (TWRI), which may be accessed from http://water.usgs.gov/

pubs/twri/. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS District office (see address shown on back of title page in this report).

Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed on site. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4, which may be accessed from http://water.usgs.gov/pubs/twri/.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

Printed Output	Remark
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a non-detection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte was either not detected or did not pass identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of “E.” These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by this District office are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. These data are not presented in this report but are available from the District office.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this district are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the World Wide Web (WWW). These data may be accessed from *http://water.usgs.gov*.

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each Water Discipline District Office (See address that is shown on the back of the title page of this report.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, may be accessed from *http://water.usgs.gov/ADR_Defs_2004.pdf*. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from *http://water.usgs.gov/glossaries.html*.

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WELL DESCRIPTIONS AND GROUND-WATER DATA

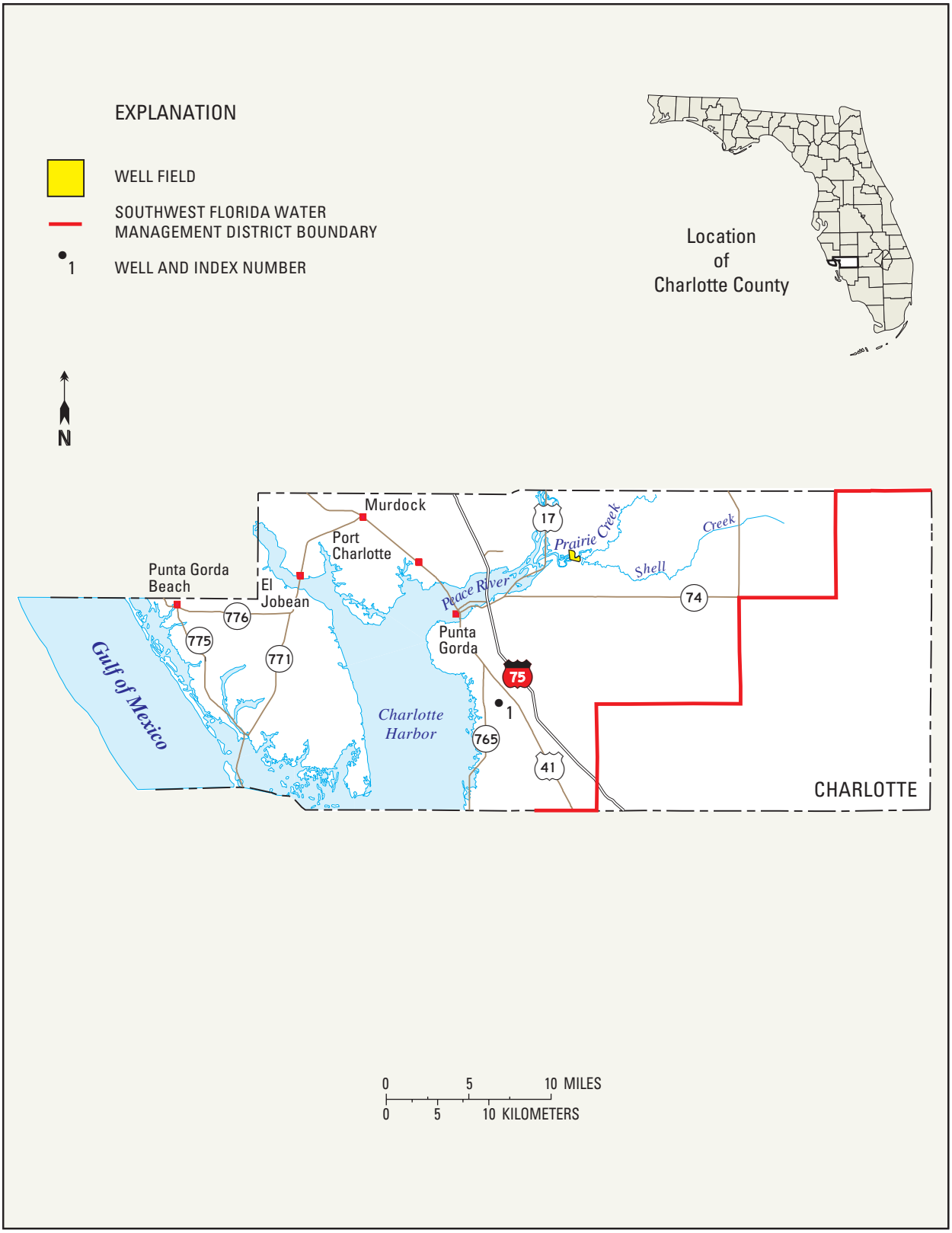


Figure 11.-- Location of wells in Charlotte County.

KEY TO SITE LOCATIONS ON FIGURE 11

CHARLOTTE COUNTY

INDEX NUMBER	SITE NUMBER
1	265138082002201

CHARLOTTE COUNTY

WELL NUMBER.--265138082002201. Punta Gorda Heights Well near Punta Gorda, FL.

LOCATION.--Lat 26° 51'38", long 82° 00'22" (1927 North American datum), in SW1/4 SW1/4 sec.34, T.41 S., R.23 E., Hydrologic Unit 03100103, 1.5 mi west of U. S. Highway 41, and 4.0 mi southeast of Punta Gorda.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 125 ft, cased to 84 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 21.41 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 1.63 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby wells.

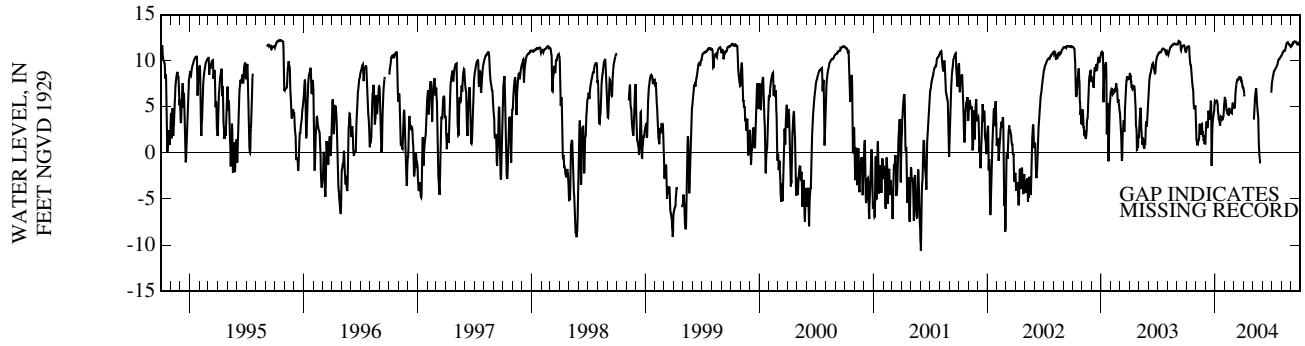
PERIOD OF RECORD.--April 1967 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.28 ft NGVD, Oct. 31, 1967; lowest, 10.89 ft below NGVD, Dec. 7, 1990.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.21	2.65	1.14	5.53	5.97	4.97	7.05	---	---	7.59	10.57	11.64
2	11.35	1.44	1.94	5.51	5.95	4.79	6.72	---	---	7.82	10.64	11.60
3	11.45	1.38	2.86	5.57	5.75	5.11	6.45	---	---	8.04	10.73	11.62
4	11.50	0.84	3.22	5.59	5.65	4.86	6.13	3.61	---	8.27	10.82	11.67
5	11.51	1.15	3.19	5.58	5.20	5.77	---	4.40	---	8.44	10.90	11.79
6	11.54	1.18	3.39	5.67	4.85	6.44	---	5.06	---	8.61	10.92	11.95
7	11.56	1.10	2.68	5.65	4.54	6.87	---	5.57	---	8.74	11.02	11.96
8	11.57	1.33	2.92	5.39	4.69	7.15	---	5.98	---	8.84	11.03	11.92
9	11.57	1.38	3.14	5.25	4.48	7.42	---	6.34	---	8.91	11.12	12.04
10	11.38	1.54	4.28	4.56	4.18	7.58	---	6.63	---	8.95	11.12	12.06
11	10.55	1.57	4.57	4.36	4.49	7.82	---	6.92	---	9.03	11.11	12.04
12	10.11	2.94	3.60	3.97	4.27	7.91	---	7.01	---	9.13	11.11	12.08
13	9.74	3.17	3.73	3.56	4.14	7.97	---	6.39	---	9.17	11.29	12.09
14	9.56	2.63	3.60	3.80	4.14	7.96	---	5.58	---	9.22	11.45	12.09
15	9.51	2.63	4.02	3.36	4.88	7.93	---	5.04	---	9.29	11.58	12.08
16	9.16	1.97	4.19	3.19	4.80	7.96	---	4.57	---	9.37	11.68	12.03
17	8.64	2.13	4.92	2.94	4.38	8.08	---	4.24	---	9.44	11.88	12.00
18	8.19	2.28	5.66	3.50	4.73	8.20	---	3.97	---	9.51	11.92	11.94
19	7.78	3.12	5.28	3.85	4.44	8.18	---	2.33	---	9.63	11.97	11.88
20	7.37	3.15	2.10	3.78	4.42	8.20	---	0.95	---	9.86	12.00	11.82
21	7.09	2.20	-1.42	4.01	4.24	8.18	---	0.31	---	9.96	12.03	11.85
22	6.89	2.35	0.61	3.70	4.53	8.18	---	-0.38	---	10.08	11.96	11.84
23	6.77	1.74	2.35	3.70	4.33	7.96	---	-0.64	---	10.14	11.81	11.79
24	5.59	1.97	3.19	3.55	4.30	7.86	---	-1.14	---	10.16	11.78	11.78
25	5.02	1.30	3.57	3.94	4.97	7.93	---	---	---	10.18	11.78	11.81
26	4.74	1.48	3.87	3.78	5.37	7.79	---	---	---	10.22	11.77	11.91
27	4.96	1.28	4.15	3.86	5.37	7.58	---	---	---	10.28	11.73	11.80
28	4.77	0.98	4.38	4.28	5.02	7.37	---	---	---	10.36	11.72	11.80
29	5.17	1.14	4.58	4.83	5.17	7.15	---	---	6.54	10.45	11.57	11.79
30	5.07	0.92	5.25	5.14	---	7.11	---	---	7.17	10.48	11.52	11.76
31	3.59	---	5.59	5.50	---	7.11	---	---	---	10.52	11.58	---
MAX	11.57	3.17	5.66	5.67	5.97	8.20	---	---	---	10.52	12.03	12.09

CAL YR 2003 MAX 12.14



CHARLOTTE COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
265004081581901	42S23E12 HERRIN NVR 1 FL	20040518	25.07	NGVD29
		20040921	27.33	NGVD29
265017082153701	42S20E12 65021501241 FL	20040517	15.60	NGVD29
		20040920	17.60	NGVD29
265026081585401	ROMP TR1-2 SUWANNEE WELL NEAR PUNTA GORDA FL	20040527	43.42	NGVD29
		20040922	46.10	NGVD29
265026081585403	ROMP TR1-2 ARCADIA WELL NEAR PUNTA GORDA FL	20040527	20.63	NGVD29
		20040922	24.47	NGVD29
265257081444101	BABCOCK 5 NEAR PUNTA GORDA FL	20040518	34.21	NGVD29
		20040921	37.01	NGVD29
265504082000601	41S23E10 USGS C3 343 FL	20040518	6.58	NGVD29
		20040921	13.10	NGVD29
265531082194803	ROMP TR3-3 SUWANNEE WELL NEAR ENGLEWOOD FL	20040527	17.23	NGVD29
		20040920	20.81	NGVD29
265531082194805	ROMP TR3-3 ARCADIA 175-FT WELL NR ENGLEWOOD FL	20040527	19.35	NGVD29
		20040920	14.33	NGVD29
265633082015201	BROWNS DEEP WELL AT PUNTA GORDA FL	20040519	40.40	NGVD29
		20040921	42.10	NGVD29
265638082130702	ROMP TR3-1 TAMIAMI WELL NEAR PORT CHARLOTTE FL	20040517	3.58	NGVD29
		20040920	5.92	NGVD29
265638082130703	ROMP TR3-1 PEACE RIV 160FT W NR PORT CHARLOTTE FL	20040517	12.24	NGVD29
		20040920	13.64	NGVD29
265638082130705	ROMP TR 3-1 PEACE RIVER 400FT WELL NR EL JOBEAN FL	20040517	29.88	NGVD29
		20040920	31.98	NGVD29
265638082130706	ROMP TR3-1 SUWANNEE WELL NR EL JOBEAN FL	20040517	32.28	NGVD29
		20040920	34.28	NGVD29
265644081483301	ROMP 5 CECIL WEBB AVON PARK WELL NR PUNTA GORDA FL	20040526	48.90	NGVD29
		20040922	51.88	NGVD29
265644081483303	ROMP 5 CECIL WEBB ARCADIA WELL NR PUNTA GORDA FL	20040526	48.90	NGVD29
		20040922	51.90	NGVD29
265644081483304	ROMP 5-MW2 WELL NEAR BERMONT FL	20040526	30.36	NGVD29
		20040922	36.41	NGVD29
265644081483305	ROMP 5 CECIL WEBB NRSD 4IN WELL NR PUNTA GORDA FL	20040526	34.85	NGVD29
		20040922	39.20	NGVD29
265646081554501	ST HWY 74 DEEP NEAR PUNTA GORDA FL	20040518	24.18	NGVD29
		20040921	25.11	NGVD29
265837081561101	ROMP 11 HAWTHORN WELL NEAR PUNTA GORDA FL	20040519	20.01	NGVD29
		20040921	23.92	NGVD29
270152082002806	ROMP 10 TAMPA WELL NEAR PORT CHARLOTTE FL	20040527	44.26	NGVD29
		20040921	48.58	NGVD29

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 2003 TO SEPTEMBER 2004

CHARLOTTE COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
270152082002807	ROMP 10 ARCADIA WELL NEAR PORT CHARLOTTE FL	20040527	15.00	NGVD29
		20040921	21.69	NGVD29

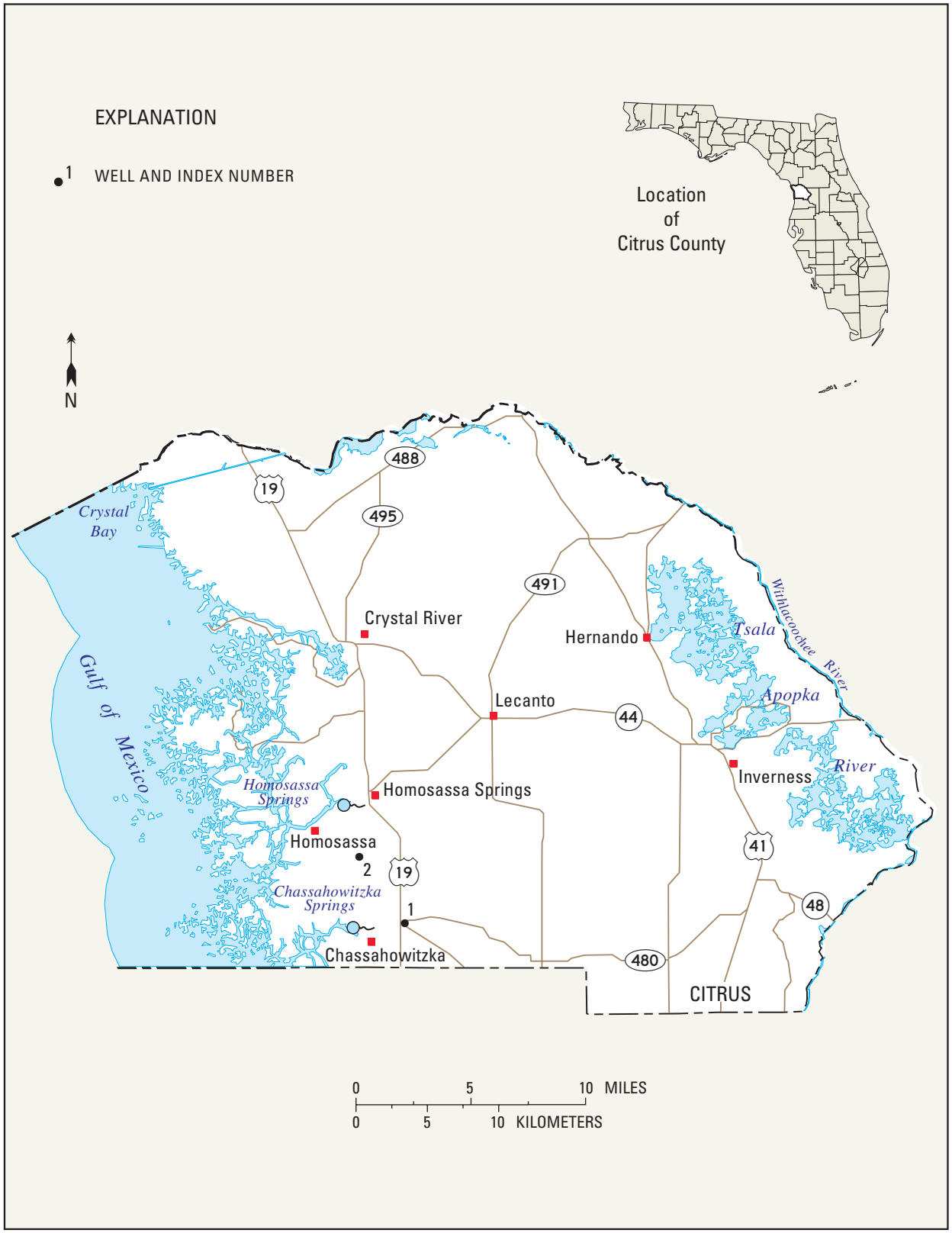


Figure 12.-- Location of wells in Citrus County.

KEY TO SITE LOCATIONS ON FIGURE 12

CITRUS COUNTY

INDEX NUMBER	SITE NUMBER
1	284317082330601
2	284551082345301

CITRUS COUNTY

WELL NUMBER.--284317082330601. Chassahowitzka Well 1 near Chassahowitzka, FL.

LOCATION.--Lat 28° 43'17", long 82° 33'06" (1927 North American datum), in NE 1/4 NE 1/4 sec.25, T.20 S., R.17 E., Hydrologic Unit 03100207, 0.1 mi southeast of intersection U. S. Highway 19 and U. S. Highway 98, and 1.2 mi east of Chassahowitzka.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 176 ft, cased to 166 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 9.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.72 ft above land-surface datum.

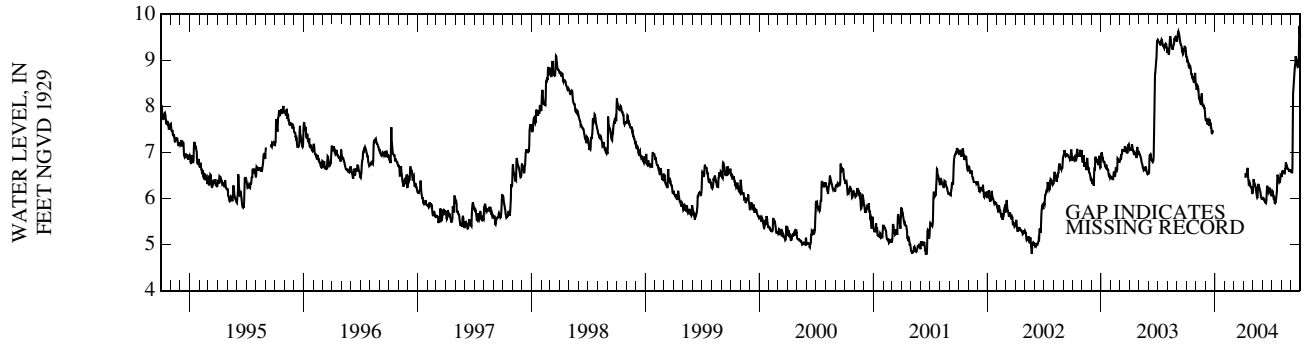
REMARKS.--Water level affected by tidal fluctuations. Some records were provided by Southwest Florida Water Management District and reviewed by Geological Survey.

PERIOD OF RECORD.--October 1965 to March 1971; January 1973 to September 2004 (discontinued). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.75 ft NGVD, Sept. 27, 2004; lowest, 4.80 ft NGVD, June 17-20, 2001, May 23, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.09	8.46	7.75	---	---	---	---	6.14	6.02	6.14	6.49	6.62
2	9.07	8.41	7.71	---	---	---	---	6.20	6.02	6.17	6.49	6.62
3	9.01	8.36	7.68	---	---	---	---	6.42	6.01	6.16	6.59	6.60
4	9.02	8.43	7.71	---	---	---	---	6.37	5.99	6.12	6.59	6.55
5	8.99	8.41	7.74	---	---	---	---	6.36	6.00	6.07	6.58	6.67
6	8.97	8.44	7.70	---	---	---	---	6.34	5.98	6.04	6.61	7.87
7	8.96	8.42	7.61	---	---	---	6.45	6.32	5.97	5.98	6.58	8.28
8	8.89	8.38	7.63	---	---	---	6.55	6.30	5.94	6.00	6.53	8.38
9	8.85	8.29	7.63	---	---	---	6.50	6.28	5.92	5.97	6.57	8.51
10	8.84	8.18	7.70	---	---	---	6.48	6.26	5.92	5.91	6.57	8.61
11	8.84	8.17	7.71	---	---	---	6.53	6.23	5.92	5.90	6.56	8.70
12	8.89	8.19	7.61	---	---	---	6.58	6.13	5.91	5.93	6.64	8.81
13	8.88	8.21	7.58	---	---	---	6.65	6.10	5.95	5.97	6.64	8.89
14	8.84	8.12	7.72	---	---	---	6.65	6.05	6.10	5.96	6.75	8.92
15	8.80	8.09	7.66	---	---	---	6.51	6.02	6.25	6.02	6.79	9.09
16	8.71	8.10	7.59	---	---	---	6.42	6.03	6.28	6.09	6.76	9.06
17	8.70	8.04	7.65	---	---	---	6.37	6.20	6.25	6.16	6.74	9.04
18	8.70	8.06	7.55	---	---	---	6.33	6.32	6.22	6.42	6.71	9.01
19	8.63	8.28	7.55	---	---	---	6.34	6.30	6.18	6.52	6.68	8.96
20	8.61	8.17	7.51	---	---	---	6.32	6.29	6.16	6.49	6.66	8.90
21	8.61	8.03	7.43	---	---	---	6.34	6.25	6.13	6.46	6.65	8.87
22	8.62	8.02	7.42	---	---	---	6.31	6.23	6.15	6.44	6.65	8.88
23	8.60	8.02	7.43	---	---	---	6.28	6.20	6.22	6.38	6.64	8.88
24	8.54	8.03	7.48	---	---	---	6.26	6.17	6.22	6.36	6.62	8.87
25	8.53	8.02	7.43	---	---	---	6.25	6.14	6.19	6.38	6.59	8.87
26	8.53	7.99	---	---	---	---	6.24	6.08	6.15	6.34	6.62	9.49
27	8.54	7.97	---	---	---	---	6.24	6.03	6.13	6.37	6.62	9.75
28	8.70	7.97	---	---	---	---	6.16	6.02	6.08	6.42	6.61	9.61
29	8.73	7.89	---	---	---	---	6.10	6.00	6.07	6.51	6.60	9.56
30	8.58	7.78	---	---	---	---	6.12	6.00	6.05	6.50	6.60	9.52
31	8.49	---	---	---	---	---	---	6.01	---	6.49	6.57	---
MAX	9.09	8.46	---	---	---	---	---	6.42	6.28	6.52	6.79	9.75



WELL NUMBER.--284551082345301. Homosassa Well 3 near Homosassa, FL.

LOCATION.--Lat 28° 45'51", long 82° 34'53" (1927 North American datum), in NW 1/4 NW 1/4 sec.11, T.20 S., R.17 E., Hydrologic Unit 03100207, on Burnt Bridge Road, 1.5 mi east of Homosassa, and 2.2 mi northwest of U.S. Highway 19.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in., depth 99 ft, cased to 82 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 5.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

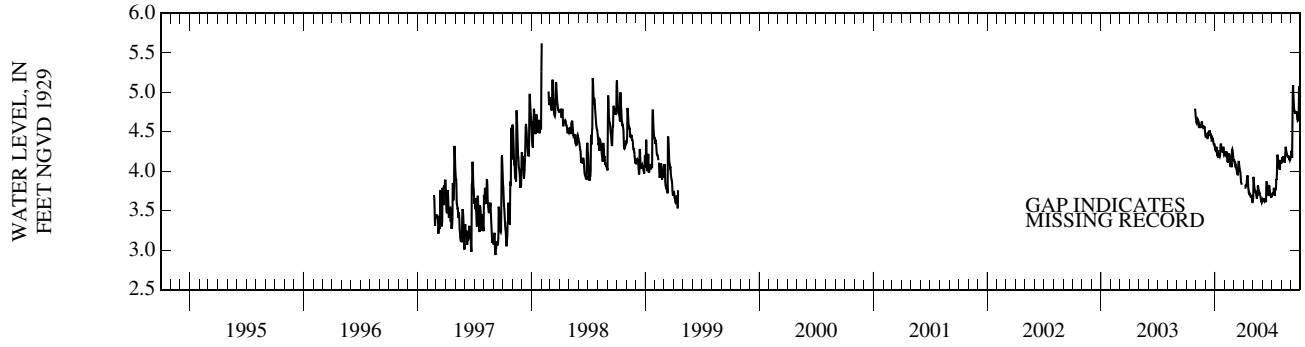
REMARKS.--Water level affected by tidal fluctuations.

PERIOD OF RECORD.--May 1966 to September 1990, January 1997 (periodic); February 1997 to September 1998; October 2003 to September 2004. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.62 ft NGVD, Feb. 2, 1998; lowest measured, 2.75 ft NGVD, May 16, 1979.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.65	4.45	4.28	4.24	4.14	---	3.63	3.62	3.71	4.11	4.26
2	---	4.62	4.44	4.27	4.24	4.14	---	3.66	3.64	3.71	4.14	4.25
3	---	4.61	4.43	4.28	4.24	4.11	---	3.93	3.63	3.71	4.18	4.24
4	---	4.63	4.46	4.28	4.21	4.10	---	3.88	3.62	3.72	4.16	4.17
5	---	4.64	4.47	4.30	4.20	4.08	---	3.81	3.65	3.72	4.16	4.37
6	---	4.66	4.47	4.30	4.21	4.09	---	3.78	3.65	3.71	4.19	5.00
7	---	4.65	4.42	4.22	4.25	4.07	3.78	3.76	3.65	3.78	4.17	5.09
8	---	4.64	4.42	4.19	4.17	4.05	3.83	3.75	3.63	3.79	4.12	5.00
9	---	4.62	4.43	4.24	4.13	4.04	3.82	3.75	3.64	3.74	4.13	4.88
10	---	4.56	4.48	4.27	4.13	4.02	3.81	3.73	3.64	3.69	4.13	4.81
11	---	4.56	4.50	4.19	4.12	3.98	3.84	3.73	3.62	3.75	4.11	4.76
12	---	4.58	4.46	4.17	4.12	3.97	3.90	3.70	3.61	3.78	4.17	4.76
13	---	4.60	4.45	4.19	4.11	3.96	3.94	3.68	3.86	3.78	4.25	4.75
14	---	4.55	4.52	4.20	4.22	3.96	3.94	3.65	3.86	3.76	4.31	4.73
15	---	4.57	4.48	4.20	4.22	4.03	3.86	3.70	3.86	3.90	4.29	4.76
16	---	4.57	4.46	4.19	4.21	4.12	3.79	3.70	3.82	3.89	4.26	4.75
17	---	4.56	4.48	4.21	4.14	4.12	3.76	3.82	3.78	3.96	4.24	4.75
18	---	4.56	4.44	4.32	4.10	4.08	3.73	3.80	3.74	4.18	4.22	4.75
19	---	4.63	4.44	4.34	4.06	4.05	3.71	3.77	3.72	4.21	4.21	4.72
20	---	4.61	4.42	4.34	4.09	4.02	3.71	3.76	3.70	4.18	4.19	4.68
21	---	4.57	4.39	4.29	4.09	4.00	3.72	3.74	3.69	4.14	4.19	4.65
22	---	4.57	4.39	4.29	4.09	3.98	3.71	3.72	3.81	4.10	4.19	4.66
23	---	4.56	4.40	4.27	4.05	3.92	3.70	3.72	3.81	4.06	4.18	4.67
24	---	4.57	4.42	4.25	4.27	3.86	3.67	3.70	3.77	4.05	4.18	4.66
25	---	4.57	4.41	4.25	4.28	3.85	3.68	3.68	3.73	4.06	4.15	4.67
26	---	4.57	4.38	4.25	4.26	3.83	3.69	3.66	3.71	4.03	4.15	5.02
27	---	4.56	4.35	4.31	4.23	---	3.69	3.62	3.69	4.03	4.16	5.08
28	4.78	4.56	4.34	4.28	4.18	---	3.64	3.62	3.68	4.13	4.14	5.02
29	4.79	4.52	4.34	4.21	4.13	---	3.61	3.63	3.68	4.14	4.15	4.96
30	4.73	4.47	4.34	4.20	---	---	3.61	3.60	3.67	4.11	4.20	4.94
31	4.68	---	4.30	4.21	---	---	---	3.61	---	4.11	4.19	---
MAX	---	4.66	4.52	4.34	4.28	---	---	3.93	3.86	4.21	4.31	5.09



CITRUS COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
284339082270401	LECANTO WELL 1 NEAR LECANTO FL	20040519	8.17	NGVD29
		20040920	11.74	NGVD29
284532082371001	HOMOSASSA WELL 1 AT HOMOSASSA FL	20040519	1.79	NGVD29
		20040920	1.72	NGVD29
284803082351701	NORRIS CATTLE CO WELL AT HOMOSASSA SPRINGS FL	20040519	1.80	NGVD29
		20040920	2.14	NGVD29
285020082365301	OZELLO WELL 3 NEAR CRYSTAL RIVER FL	20040519	0.94	NGVD29
		20040920	1.61	NGVD29
285102082361001	OZELLO WELL 4 NEAR CRYSTAL RIVER FL	20040519	1.86	NGVD29
		20040920	2.96	NGVD29
285112082354401	ROMP TR 21-2 DEEP WELL NR HOMOSASSA SPRINGS FL	20040519	1.09	NGVD29
		20040920	2.52	NGVD29
285234082341901	ROMP TR 21-3 DEEP WELL NR HOMOSASSA SPRINGS FL	20040519	2.57	NGVD29
		20040920	4.15	NGVD29
285254082323001	LECANTO WELL 7 NEAR LECANTO FL	20040519	3.54	NGVD29
		20040920	5.83	NGVD29
285421082361602	CRYSTAL RIVER DEEP WELL AT CRYSTAL RIVER FL	20040519	0.83	NGVD29
		20040920	1.39	NGVD29
285737082400601	FPC (FLORIDA POWER CORP) CR3 NEAR CRYSTAL RIVER FL	20040519	2.22	NGVD29
		20040920	5.67	NGVD29

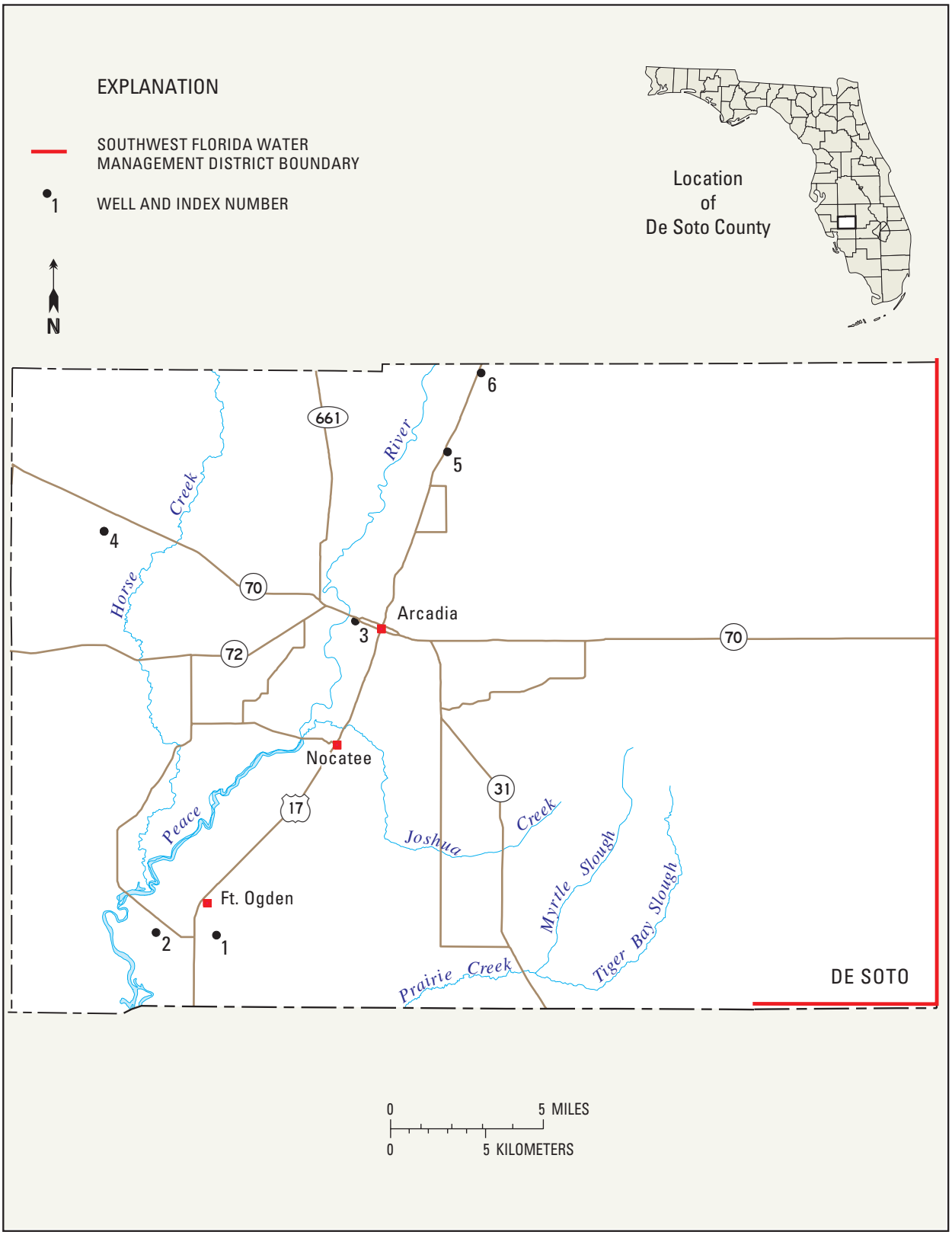


Figure 13.-- Location of wells in De Soto County.

KEY TO SITE LOCATIONS ON FIGURE 13

DE SOTO COUNTY

INDEX NUMBER	SITE NUMBER
1	270410081565201
2	270414081584701
3	271308081522601
4	271538082002301
5	271757081493001
5	271757081493002
5	271757081493003
5	271757081493004
6	272012081482501

DE SOTO COUNTY

WELL NUMBER.--270410081565201. Morgan Deep Well near Fort Ogden, FL.

LOCATION.--Lat 27° 04'10", long 81° 56'52" (1927 North American datum), in NW 1/4 SE 1/4 sec.19, T.39 S., R.24 E., Hydrologic Unit 03100101, 0.6 mi east of U. S. Highway 17, and 1.8 mi southeast of Fort Ogden.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 6 in., depth 1,010 ft, cased to 208 ft.

INSTRUMENTATION.--Periodic measurement with pressure gage or chalked tape by USGS personnel.

DATUM.--Land-surface datum is 38.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of welded cover plate, 2.25 ft above land-surface datum.

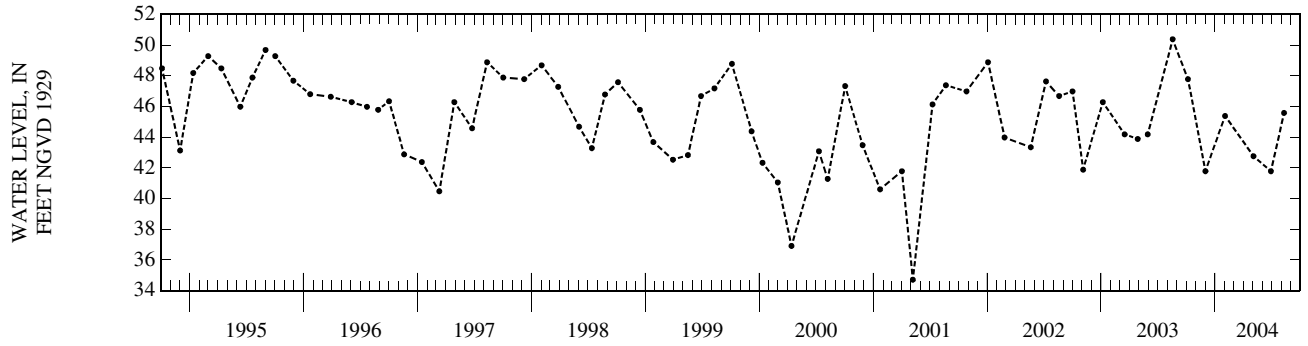
PERIOD OF RECORD.--March 1970 to current year (periodic). Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1982, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +5.53 ft.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.12 ft NGVD, Sept. 27, 1978; lowest measured, 29.66 ft NGVD, Jan. 28, 1988.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	47.78	DEC 01	41.78	FEB 02	45.38	MAY 03	42.76	JUN 28	41.78	AUG 09	45.58

WATER YEAR 2004 LOWEST 41.78 DEC 01, 2003 JUN 28, 2004 HIGHEST 47.78 OCT 06, 2003



WELL NUMBER.--270414081584701. Lettuce Lake Well near Fort Ogden, FL.

LOCATION.--Lat 27° 04'14", long 81° 58'47" (1927 North American datum), in NW 1/4 SE 1/4 sec.23, T.39 S., R.23 E., Hydrologic Unit 03100101, 300 ft west of Lettuce Lake Road, 0.4 mi south of State Highway 761, and 2.0 mi southwest of Fort Ogden.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 16 in., depth 1,190 ft, cased to 105 ft.

INSTRUMENTATION.--Periodic measurement with pressure gage by USGS personnel.

DATUM.--Elevation of land-surface datum is 21 ft, from topographic map. Measuring point: Top of flange, 3.0 ft above land-surface datum.

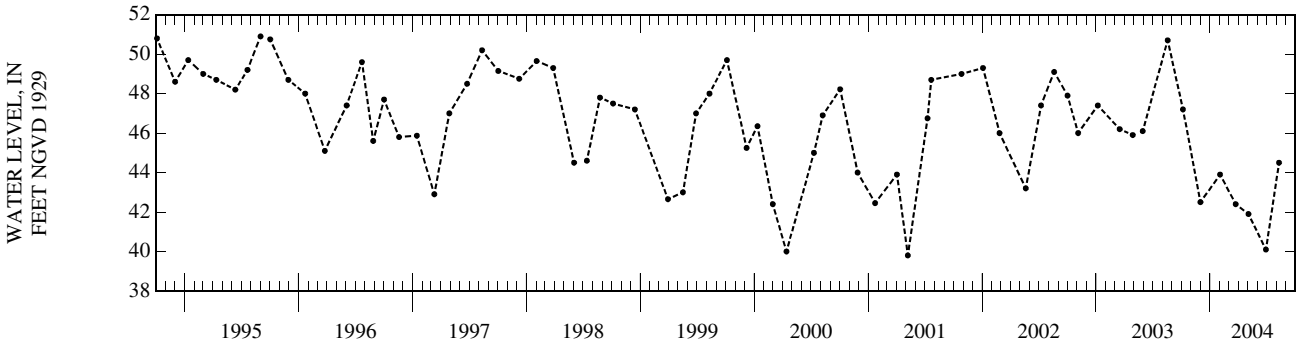
PERIOD OF RECORD.--January 1975 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.11 ft NGVD, Sept. 27, 1978; lowest measured, 39.80 ft NGVD, May 7, 2001.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	47.20	FEB 02	43.90	MAY 03	41.90	AUG 09	44.50
DEC 01	42.50	MAR 23	42.40	JUN 28	40.10		

WATER YEAR 2004 LOWEST 40.10 JUN 28, 2004 HIGHEST 47.20 OCT 06, 2003



WELL NUMBER.--271308081522601. Arcadia Well 2 at Arcadia, FL.

LOCATION.--Lat 27° 13'08", long 81° 52'26" (1927 North American datum), in NW 1/4 NW 1/4 sec.36, T.37 S., R.24 E., Hydrologic Unit 03100101, 900 ft south of intersection State Highway 70 and Baldwin Avenue, and 0.9 mi west of U. S. Highway 17 in Arcadia.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, unused municipal, artesian well, diameter 8 in., depth 372 ft, cased to 263 ft.

INSTRUMENTATION.--Periodic measurement with pressure gage by USGS personnel.

DATUM.--Land-surface datum is 29.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in. valve, 3.10 ft above land-surface datum.

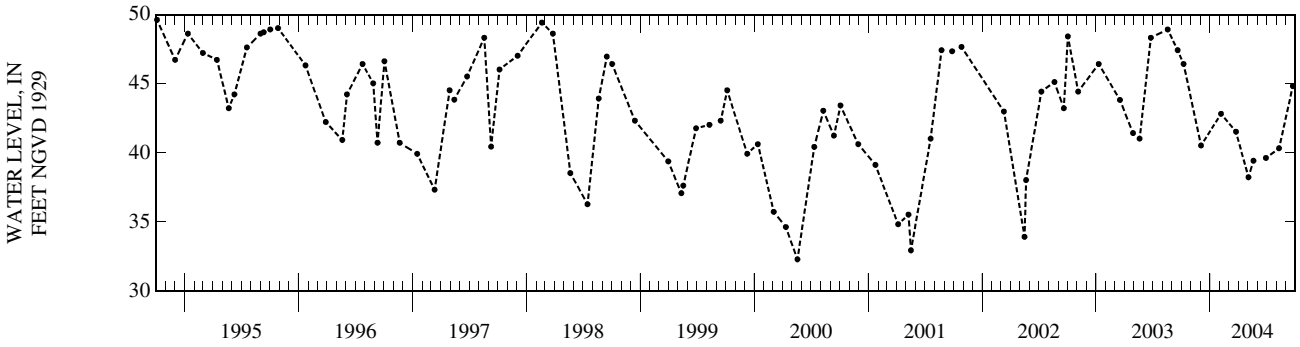
PERIOD OF RECORD.--November 1970 to current year (periodic). Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +1.33 ft.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.45 ft NGVD, Sept. 27, 1978; lowest measured, 32.29 ft NGVD, May 18, 2000.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	46.43	FEB 05	42.83	MAY 03	38.23	JUN 28	39.63	SEP 22	44.83
DEC 03	40.53	MAR 24	41.53	19	39.43	AUG 09	40.33		

WATER YEAR 2004 LOWEST 38.23 MAY 03, 2004 HIGHEST 46.43 OCT 08, 2003



WELL NUMBER.--271538082002301. AMAX No. 3 Well near Pine Level, FL.

LOCATION.--Lat 27° 15'38", long 82° 00'23" (1927 North American datum), in SW 1/4 NW 1/4 sec.15, T.37 S., R.23 E., Hydrologic Unit 03100101, 0.7 mi south of State Highway 70, and 1.7 mi north of Pine Level.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in., depth 1,547 ft, cased to 340 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Elevation of land-surface datum is 58 ft, from topographic map. Measuring point: Top of recorder shelter floor, 2.00 ft above land-surface datum.

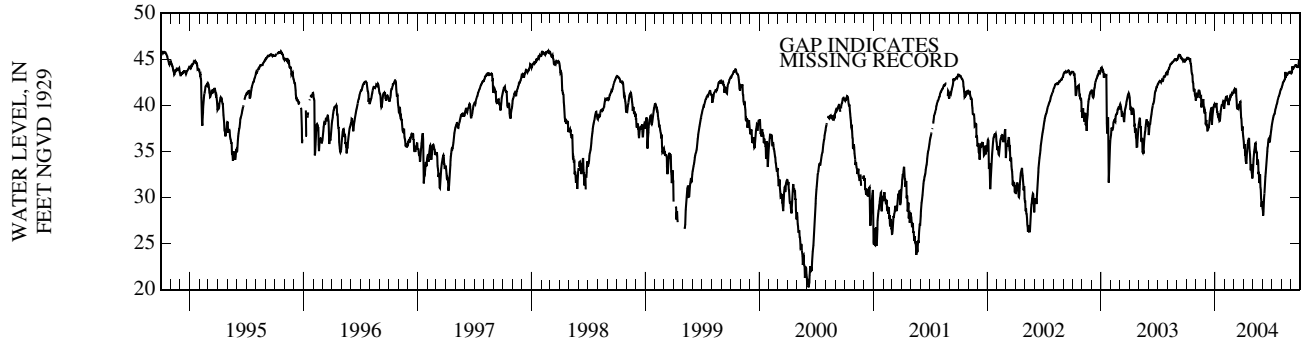
PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 45.92 ft NGVD, Feb. 23, 1998; lowest, 20.24 ft NGVD, June 6, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45.02	40.73	39.31	39.99	40.23	41.64	36.35	32.80	28.80	37.93	41.86	43.47
2	45.07	40.98	37.93	40.10	40.42	41.69	36.05	33.58	28.65	38.13	42.04	43.54
3	45.14	41.15	38.28	39.95	40.64	41.72	35.35	34.20	28.04	38.33	42.12	43.60
4	45.12	41.08	38.42	40.14	40.80	41.82	35.64	34.64	28.47	38.53	42.21	43.85
5	45.15	40.83	37.75	40.28	40.92	41.79	35.80	34.99	29.20	38.70	42.42	44.26
6	45.17	41.05	37.98	39.83	40.94	41.31	34.67	35.23	30.07	38.84	42.54	44.03
7	45.14	41.26	37.29	39.33	40.95	41.55	34.61	35.50	30.45	38.89	42.58	43.99
8	45.13	41.46	37.29	39.31	40.75	41.60	33.99	35.69	31.03	38.97	42.59	44.03
9	45.13	41.61	37.35	39.04	40.81	41.04	33.81	35.90	31.68	39.06	42.65	44.08
10	45.08	41.71	37.46	38.96	40.70	40.60	33.67	35.94	32.28	39.09	42.76	44.15
11	44.99	41.58	37.61	39.04	40.51	39.84	34.40	35.30	32.69	39.34	42.83	44.21
12	45.03	41.57	37.64	39.13	40.30	39.80	34.97	34.84	33.25	39.53	42.93	44.28
13	45.03	41.39	38.00	38.71	40.04	39.56	35.34	34.93	33.76	39.64	43.64	44.32
14	44.59	41.18	38.38	38.77	40.32	39.68	35.71	34.81	34.24	39.77	43.10	44.37
15	44.51	40.79	38.70	38.32	40.53	39.80	36.01	33.53	34.64	39.95	43.12	44.40
16	44.24	40.91	39.14	38.35	40.65	39.72	36.18	33.96	35.02	40.07	43.16	44.39
17	43.76	40.94	39.33	38.54	40.79	39.96	36.18	34.12	35.37	40.16	43.27	44.34
18	43.49	39.79	39.50	39.03	40.93	40.09	36.39	33.81	35.48	40.33	43.31	44.25
19	43.42	40.10	39.69	39.39	40.88	40.11	36.47	32.53	35.93	40.50	43.32	44.18
20	43.34	40.30	39.70	39.62	41.05	40.10	35.47	32.79	36.27	40.62	43.36	44.18
21	42.56	40.34	38.57	39.88	41.09	40.38	35.00	31.58	36.40	40.76	43.44	44.17
22	42.48	40.37	37.91	40.04	41.14	40.42	34.67	31.85	36.45	40.90	43.50	44.17
23	42.38	40.55	38.61	40.03	41.23	39.48	33.96	32.36	35.98	41.01	43.56	44.23
24	41.82	40.69	38.97	39.91	41.10	38.71	32.97	32.51	36.08	41.06	43.60	44.32
25	41.53	40.07	39.30	40.16	41.28	38.57	33.49	31.11	36.25	41.16	43.62	44.51
26	41.67	39.72	39.57	40.38	41.33	38.04	33.63	30.90	36.54	41.28	43.61	44.96
27	41.81	39.44	39.78	40.48	41.33	37.30	32.78	29.93	36.85	41.42	43.60	44.53
28	41.24	39.52	39.96	40.46	41.39	37.67	32.59	29.79	37.15	41.57	43.65	44.45
29	41.08	39.24	40.03	40.15	41.55	37.75	32.07	28.98	37.40	41.67	43.60	44.48
30	41.00	39.26	40.14	39.64	---	37.08	32.32	29.45	37.69	41.76	43.56	44.48
31	40.53	---	40.05	39.98	---	36.68	---	29.55	---	41.78	43.49	---
MAX	45.17	41.71	40.14	40.48	41.55	41.82	36.47	35.94	37.69	41.78	43.65	44.96

CAL YR 2003 MAX 45.51
WTR YR 2004 MAX 45.17



WELL NUMBER.--271757081493001. ROMP 26 Shallow Well near Gardner, FL.

LOCATION.--Lat 27° 17'57", long 81° 49'30" (1927 North American datum), in SW 1/4 SW 1/4 sec.33, T.36 S., R.25 E., Hydrologic Unit 03100101, 235 ft east of U. S. Highway 17, and 3.8 mi south of Gardner.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 15 ft, cased to 10 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

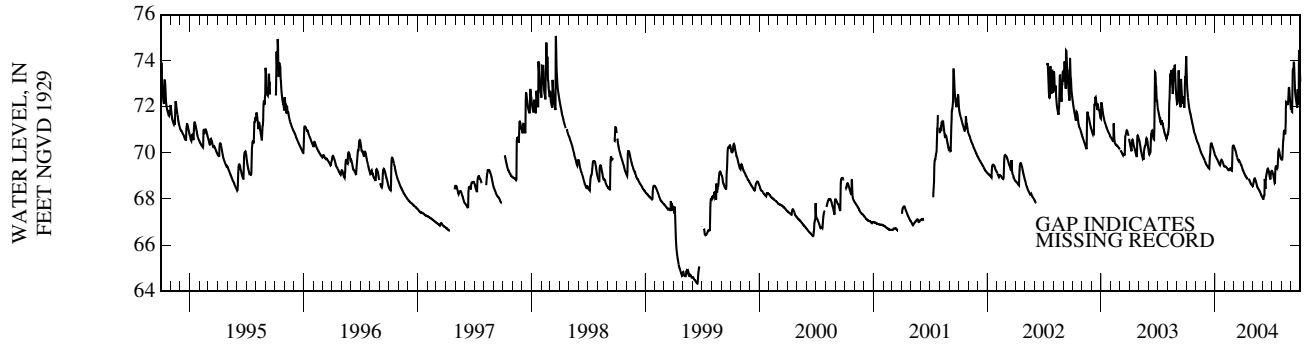
DATUM.--Land-surface datum is 75.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--August 1976 to February 1978 (periodic); March 1978 to current year. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1983, are in error. Correct elevations for data published prior to this date may be obtained by using datum corrections of -2.08 ft August 1976 to Sept. 30, 1980, and +1.00 ft Oct. 1, 1980, to Sept. 30, 1983. Revised records are in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 75.11 ft NGVD, June 20, 1982; lowest, 64.32 ft NGVD, June 16, 1999.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73.72	70.64	69.59	69.90	69.40	70.31	69.20	68.57	68.06	69.22	69.71	71.95
2	73.28	70.59	69.56	69.86	69.41	70.28	69.17	68.62	68.03	69.19	69.71	71.89
3	73.00	70.56	69.52	69.84	69.41	70.23	69.13	68.71	68.00	69.16	69.71	71.79
4	72.74	70.51	69.50	69.81	69.41	70.19	69.11	68.79	68.00	69.12	69.87	71.78
5	72.56	70.48	69.47	69.79	69.39	70.15	69.07	68.85	68.11	69.05	70.25	72.93
6	72.40	70.44	69.45	69.76	69.38	70.11	69.04	68.88	68.14	68.98	70.52	73.57
7	72.27	70.42	69.43	69.72	69.36	70.06	69.01	68.89	68.15	68.92	70.60	73.67
8	72.15	70.39	69.41	69.70	69.34	70.01	68.99	68.87	68.87	68.88	70.90	73.49
9	72.04	70.35	69.38	69.68	69.32	69.96	68.95	68.85	68.70	68.78	70.96	73.92
10	71.94	70.31	69.36	69.66	69.30	69.91	68.93	68.79	68.43	68.69	70.96	73.92
11	71.86	70.27	69.34	69.62	69.28	69.85	68.91	68.76	68.79	68.71	70.88	73.49
12	71.78	70.23	69.33	69.59	69.27	69.80	68.89	68.71	68.96	69.27	70.81	73.05
13	71.74	70.19	69.31	69.56	69.25	69.76	68.91	68.65	69.03	69.40	70.86	72.74
14	71.68	70.15	69.58	69.53	69.24	69.72	68.90	68.58	69.10	69.42	71.34	72.56
15	71.62	70.10	69.85	69.51	69.25	69.68	---	68.53	69.18	69.42	71.98	72.43
16	71.54	70.05	69.94	69.48	69.28	69.65	---	68.50	69.26	69.39	72.19	72.32
17	71.47	70.02	70.24	69.46	69.31	69.69	---	68.48	69.30	69.37	72.17	72.24
18	71.41	69.99	70.38	69.51	69.33	69.69	68.88	68.45	69.32	69.33	72.24	72.13
19	71.33	69.95	70.41	69.64	69.32	69.65	68.84	68.43	69.31	69.36	72.17	72.04
20	71.27	69.93	70.41	69.68	69.31	69.61	68.81	68.40	69.27	69.58	72.08	71.97
21	71.21	69.90	70.38	69.70	69.28	69.59	68.78	68.38	69.22	70.00	72.14	72.72
22	71.15	69.87	70.35	69.69	69.25	69.55	68.75	68.36	69.14	70.10	72.22	72.75
23	71.10	69.84	70.32	69.67	69.23	69.52	68.72	68.33	69.06	70.13	72.43	72.53
24	71.04	69.81	70.28	69.64	69.22	69.48	68.69	68.30	68.96	70.09	72.80	72.30
25	70.96	69.78	70.23	69.61	69.73	69.45	68.66	68.26	68.90	70.01	72.86	72.11
26	70.91	69.75	70.19	69.57	70.22	69.42	68.64	68.23	68.85	69.92	72.70	74.43
27	70.87	69.73	70.14	69.53	70.31	69.38	68.61	68.20	68.98	69.89	72.47	74.44
28	70.83	69.70	70.09	69.48	70.32	69.34	68.59	68.16	69.12	69.84	72.31	74.10
29	70.80	69.65	70.04	69.43	70.32	69.29	68.57	68.14	69.19	69.79	72.14	73.52
30	70.75	69.62	69.99	69.42	---	69.26	68.55	68.11	69.22	69.76	71.99	73.11
31	70.70	---	69.94	69.41	---	69.23	---	68.09	---	69.73	71.87	---
MAX	73.72	70.64	70.41	69.90	70.32	70.31	---	68.89	69.32	70.13	72.86	74.44



WELL NUMBER.--271757081493002. ROMP 26 Avon Park Well near Gardner, FL.

LOCATION.--Lat 27° 17'57", long 81° 49'30" (1927 North American datum), in SW 1/4 SW 1/4 sec.33, T.36 S., R.25 E., Hydrologic Unit 03100101, 235 ft east of U. S. Highway 17, and 3.8 mi south of Gardner.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 12 in., depth 1,320 ft, cased to 580 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

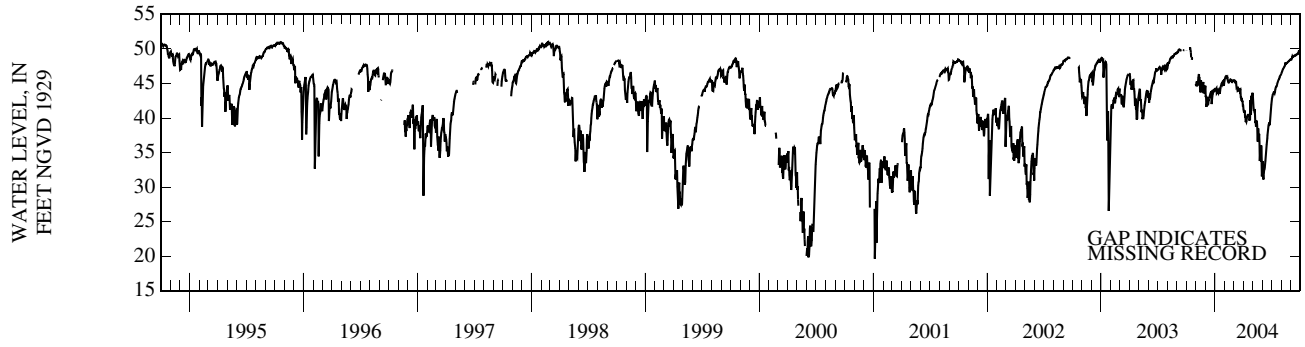
DATUM.--Land-surface datum is 75.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.59 ft above land-surface datum.

PERIOD OF RECORD.--March 1978 to current year. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1980, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -2.03 ft. Revised records are in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 51.28 ft NGVD, Oct. 5, 1979; lowest, 19.62 ft NGVD, Jan. 5, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	44.62	44.68	44.05	45.55	45.46	41.26	43.07	33.77	42.78	46.52	48.45
2	---	44.93	43.00	44.09	45.72	45.46	41.01	42.17	32.07	43.03	46.59	48.53
3	---	45.27	43.19	44.08	45.87	45.45	40.73	41.44	31.32	43.21	46.74	48.61
4	---	44.91	41.60	44.27	46.02	45.41	41.00	41.04	31.11	43.37	46.86	48.76
5	---	44.74	41.91	44.32	46.07	45.37	41.00	41.24	31.89	43.53	47.02	48.95
6	---	44.80	42.05	43.59	46.04	45.01	40.11	40.98	32.42	43.59	47.13	48.84
7	---	45.30	42.74	43.67	45.91	45.12	40.22	41.02	32.52	43.67	47.20	48.84
8	---	45.78	43.06	43.68	45.83	45.15	39.42	40.41	32.76	43.75	47.27	48.89
9	---	46.19	41.86	43.71	45.91	44.80	39.61	39.29	33.28	43.75	47.35	48.93
10	50.07	46.34	42.08	43.74	45.61	44.37	39.50	39.50	33.78	43.63	47.45	48.96
11	50.08	45.82	42.50	44.00	45.38	44.43	39.80	38.77	34.45	43.83	47.52	49.00
12	50.13	45.80	42.60	44.08	45.23	44.34	40.08	39.01	35.05	44.14	47.62	49.04
13	50.12	45.40	42.79	43.64	45.14	43.95	40.26	39.52	35.63	44.32	48.03	49.04
14	49.87	43.73	43.09	43.72	45.14	44.00	40.42	39.48	36.16	44.46	47.76	49.09
15	49.52	44.75	43.18	43.65	45.31	44.12	40.47	38.72	36.60	44.53	47.83	49.10
16	48.77	45.30	43.41	43.49	45.40	43.89	40.46	36.81	37.08	44.56	47.87	49.08
17	---	45.45	43.59	43.92	45.46	44.02	40.29	36.54	37.52	44.69	47.92	49.11
18	48.41	43.73	43.65	44.28	45.53	44.10	40.30	38.50	37.96	44.89	47.97	49.19
19	48.69	44.17	43.78	44.54	45.52	44.14	40.32	37.52	38.35	45.05	47.99	49.23
20	48.69	44.38	43.82	44.68	45.54	43.93	39.62	37.13	38.81	45.21	48.03	49.25
21	---	44.40	42.02	44.89	45.43	44.08	39.87	37.70	39.04	45.35	48.09	49.29
22	---	44.33	42.56	44.99	45.39	44.12	39.71	36.53	39.24	45.49	48.14	49.30
23	---	44.93	43.07	45.00	45.43	43.02	42.60	33.76	39.26	45.58	48.19	49.31
24	---	45.21	43.37	44.90	45.07	42.96	41.80	34.80	38.95	45.65	48.24	49.39
25	---	43.57	43.60	45.27	45.29	42.69	40.48	33.83	39.52	45.77	48.28	49.54
26	---	43.80	43.77	45.36	45.35	42.71	43.23	35.85	40.28	45.93	48.31	49.78
27	---	44.05	43.92	45.37	45.36	42.34	42.61	33.69	40.89	46.03	48.35	49.57
28	---	44.29	44.07	45.41	45.40	42.46	43.16	36.01	41.42	46.11	48.43	49.58
29	---	44.13	44.12	44.70	45.44	42.53	43.46	33.98	41.93	46.21	48.45	49.62
30	---	44.61	43.93	45.00	---	41.81	43.66	31.54	42.35	46.28	48.45	49.62
31	44.94	---	43.99	45.34	---	41.80	---	32.40	---	46.39	48.44	---
MAX	---	46.34	44.68	45.41	46.07	45.46	43.66	43.07	42.35	46.39	48.45	49.78



WELL NUMBER.--271757081493003. ROMP 26 Hawthorn Well near Gardner, FL.

LOCATION.--Lat 27° 17'57", long 81° 49'30" (1927 North American datum), in SW 1/4 SW 1/4 sec.33, T.36 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of U. S. Highway 17, and 3.8 mi south of Gardner.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 12 in., depth 180 ft, cased to 140 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 75.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.58 ft above land-surface datum.

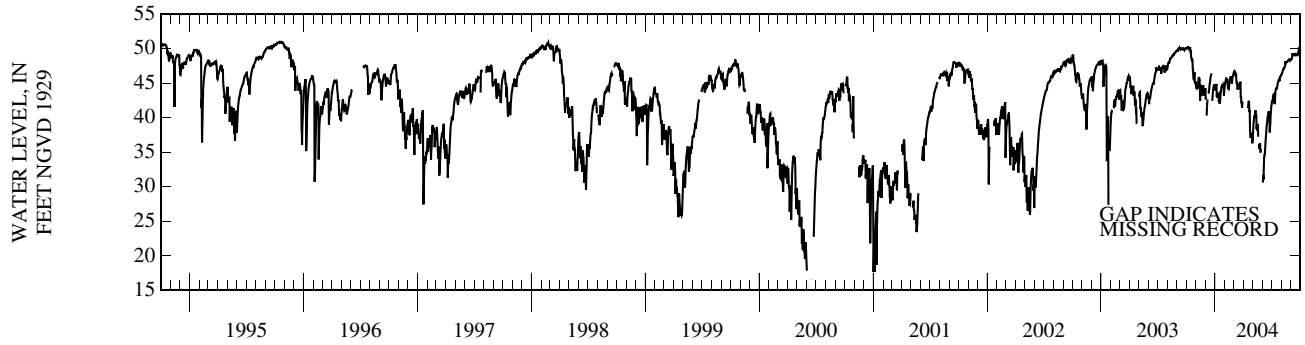
REMARKS.--Water level affected by pumping of nearby well.

PERIOD OF RECORD.--March 1978 to current year. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1980, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -1.98 ft. Revised records are in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 51.17 ft NGVD, Oct. 1, 1979; lowest measured, 15.49 ft NGVD, June 6, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.05	44.47	44.25	44.17	44.62	46.58	---	37.36	---	42.27	46.26	48.47
2	50.10	44.51	42.63	44.50	44.92	46.67	---	38.24	30.60	42.52	46.35	48.47
3	50.12	44.48	42.91	43.99	45.16	46.75	---	39.20	31.69	42.16	46.46	48.62
4	50.14	44.32	---	44.63	45.40	46.70	---	39.68	31.03	42.92	46.63	48.89
5	50.15	44.47	40.30	44.87	45.62	46.42	---	39.98	33.03	43.19	46.79	49.35
6	50.14	44.20	41.59	43.02	45.80	46.01	---	40.32	34.22	43.32	46.99	49.10
7	50.15	44.76	42.31	43.32	45.44	46.27	---	40.13	34.56	43.37	47.07	49.04
8	50.00	45.29	42.63	42.86	45.35	46.47	---	40.70	34.66	43.40	47.08	49.11
9	50.09	45.71	---	43.16	45.60	45.48	---	40.90	35.26	43.03	47.14	49.15
10	50.01	45.89	---	43.05	44.87	45.06	---	41.05	36.19	41.95	47.21	49.13
11	50.02	45.42	43.47	43.35	44.32	45.07	---	40.12	36.84	42.59	47.34	49.07
12	50.03	45.45	43.84	43.41	44.24	44.58	---	40.43	37.51	43.59	47.43	49.09
13	50.04	44.68	44.12	42.29	44.35	44.09	---	38.34	38.19	43.94	48.17	49.05
14	49.56	42.47	44.80	42.59	44.27	44.29	---	38.74	38.82	44.19	47.75	49.16
15	49.59	44.11	44.99	42.21	44.80	44.59	41.36	38.14	39.21	44.28	47.93	49.22
16	48.76	44.55	45.44	42.00	45.09	44.14	41.84	38.77	39.56	44.27	47.94	49.15
17	48.57	44.75	45.83	42.35	45.34	44.50	42.17	39.08	39.87	44.26	48.02	49.09
18	48.38	43.21	46.00	43.19	45.59	44.80	42.44	37.23	40.23	44.54	48.07	49.05
19	48.42	43.79	46.23	43.71	45.78	44.96	42.09	---	40.41	44.85	48.10	49.07
20	48.51	44.05	46.44	43.95	45.96	44.52	40.80	35.94	40.74	45.07	48.12	49.07
21	46.98	43.60	---	44.36	45.79	44.96	41.09	36.16	40.91	45.19	48.20	49.06
22	46.98	43.94	---	44.57	45.44	45.21	38.10	35.47	40.47	45.39	48.31	49.25
23	46.20	44.45	42.44	44.53	45.72	42.86	37.67	36.16	39.81	45.51	48.36	49.37
24	45.61	44.69	43.17	44.32	44.95	43.08	37.08	36.30	37.86	45.54	48.39	49.39
25	45.56	43.22	43.72	44.68	45.59	42.11	37.77	34.94	38.49	45.27	48.41	49.56
26	46.29	43.39	44.13	44.79	45.83	42.25	37.66	35.48	39.21	45.66	48.43	50.19
27	46.56	43.46	44.39	44.59	46.00	41.44	37.13	---	40.45	45.87	48.40	49.75
28	45.13	43.78	44.64	44.78	46.20	42.01	37.44	---	41.11	45.90	48.25	49.66
29	44.88	43.55	44.79	43.20	46.40	42.32	36.28	---	41.63	45.98	48.34	49.73
30	45.13	44.07	44.37	43.62	---	---	36.69	---	41.95	46.09	48.37	49.78
31	45.13	---	43.97	44.25	---	---	---	---	---	46.11	48.40	---
MAX	50.15	45.89	---	44.87	46.40	---	---	---	---	46.11	48.43	50.19



WELL NUMBER.--271757081493004. ROMP 26 Tampa Well near Gardner, FL.

LOCATION.--Lat 27° 17'57", long 81° 49'30" (1983 North American datum), in SW 1/4 SW 1/4 sec.33, T.36 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of U. S. Highway 17, and 3.8 mi south of Gardner.

AQUIFER.--Tampa member Arcadia formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 430 ft, cased to 255 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 75 ft, from topographic map. Measuring point: Top of recorder shelter floor, 3.46 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby well.

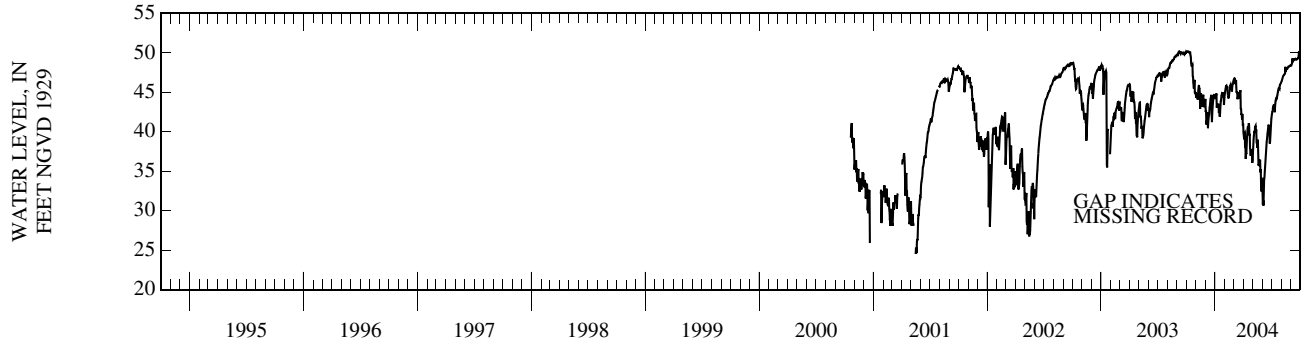
PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 50.21 ft NGVD, Sept. 26, 2004; lowest, 24.53 ft NGVD, May 16, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.09	44.31	44.17	44.34	44.75	46.59	39.85	37.14	32.16	42.28	46.38	48.40
2	50.12	44.48	42.51	44.52	45.06	46.68	39.58	38.15	30.77	42.48	46.47	48.49
3	50.15	44.80	42.73	44.23	45.32	46.75	39.06	38.98	31.32	42.57	46.60	48.60
4	50.15	44.40	40.93	44.66	45.56	46.73	39.85	39.48	30.64	42.98	46.74	48.90
5	50.19	44.38	41.29	44.85	45.80	46.58	39.91	39.86	32.63	43.23	46.93	49.29
6	50.19	44.09	41.46	43.04	45.84	46.02	37.95	40.12	33.89	43.34	47.06	49.05
7	50.16	44.74	42.17	43.27	45.56	46.35	38.24	39.92	34.20	43.33	47.13	48.94
8	50.12	45.34	42.48	43.08	45.52	46.51	36.56	40.51	34.89	43.36	47.16	49.00
9	50.12	45.74	40.46	43.21	45.75	45.66	37.31	40.66	35.41	43.33	47.20	49.12
10	50.05	45.93	41.26	43.05	45.04	44.95	37.16	40.73	36.04	42.48	47.31	49.13
11	49.99	45.47	41.78	43.42	44.56	45.09	38.43	40.08	36.79	42.99	47.35	49.19
12	50.01	45.47	42.08	43.55	44.32	44.89	39.29	40.30	37.49	43.61	47.39	49.20
13	50.02	44.95	42.36	42.41	44.32	44.12	39.89	38.67	38.16	43.95	48.23	49.20
14	49.67	42.88	42.99	42.61	44.41	44.37	40.44	38.68	38.72	44.17	47.65	49.20
15	49.48	44.18	43.27	42.24	44.91	44.63	40.67	37.96	39.10	44.25	47.81	49.24
16	48.68	44.67	43.70	41.92	45.20	44.23	40.46	38.70	39.49	44.17	47.81	49.18
17	48.44	44.85	44.16	42.47	45.47	44.56	40.76	38.99	39.74	44.26	47.91	49.15
18	48.27	43.18	44.29	43.29	45.71	44.82	41.09	37.31	40.09	44.56	47.95	49.19
19	48.44	43.75	44.55	43.82	45.86	45.03	40.88	35.71	40.41	44.78	47.97	49.22
20	48.50	43.96	44.68	44.05	45.97	44.68	39.54	35.87	40.76	45.03	48.00	49.21
21	47.03	43.85	42.15	44.48	45.81	45.09	39.74	35.96	40.91	45.23	48.10	49.26
22	46.94	43.87	41.23	44.69	45.69	45.27	37.90	35.66	40.49	45.42	48.18	49.31
23	46.27	44.42	42.37	44.60	45.89	42.87	37.70	36.20	40.15	45.50	48.26	49.34
24	45.94	44.69	43.12	44.34	45.12	42.94	36.96	36.46	38.51	45.53	48.26	49.37
25	45.49	43.11	43.64	44.85	45.75	42.13	37.61	34.87	38.63	45.46	48.29	49.64
26	46.27	43.26	44.06	45.01	45.99	42.27	37.63	35.26	39.66	45.79	48.30	50.21
27	46.58	43.50	44.39	44.79	46.10	41.56	36.97	33.17	40.45	45.94	48.31	49.70
28	44.96	43.78	44.65	44.90	46.32	42.04	37.20	33.57	41.10	46.01	48.39	49.67
29	44.79	43.59	44.77	43.40	46.50	42.24	36.06	32.43	41.61	46.12	48.43	49.71
30	45.04	44.08	44.28	43.67	---	40.78	36.43	33.77	41.94	46.18	48.44	49.69
31	44.84	---	44.27	44.34	---	41.03	---	34.18	---	46.25	48.40	---
MAX	50.19	45.93	44.77	45.01	46.50	46.75	41.09	40.73	41.94	46.25	48.44	50.21

WTR YR 2004 MAX 50.21



WELL NUMBER.--272012081482501. Marshall Deep Well near Gardner, FL.

LOCATION.--Lat 27° 20'12", long 81° 48'25" (1927 North American datum), in NW 1/4 NW 1/4 sec.22, T.36 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of U. S. Highway 17, and 1.0 mi south of Gardner.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 5 in., depth 478 ft, cased to 137 ft.

INSTRUMENTATION.--Water-stage and tipping bucket raingage recorders--60-minute interval.

DATUM.--Land-surface datum is 62.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.12 ft above land-surface datum.

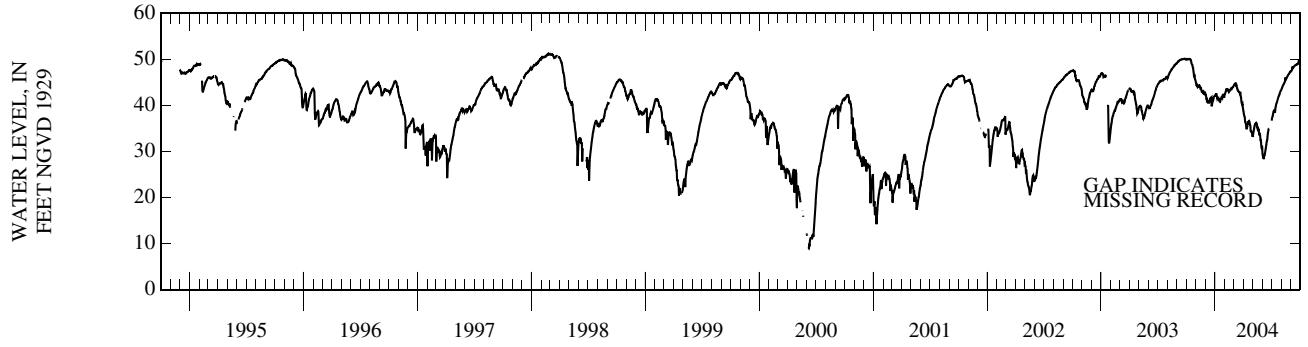
REMARKS.--Collection, computation and publication of precipitation data do not necessarily conform to standards used by the National Weather Service.

PERIOD OF RECORD.--November 1962 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 55.24 ft NGVD, Mar. 5, 1964; lowest, 8.96 ft NGVD, June 7, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.00	44.76	42.50	42.21	42.29	44.33	38.72	33.55	29.43	37.11	43.49	47.44
2	50.04	44.47	42.21	42.28	42.49	44.46	38.25	33.92	29.18	37.32	43.73	47.58
3	50.07	44.52	42.10	42.22	42.72	44.61	37.90	34.37	28.61	37.67	43.86	47.70
4	50.05	44.23	41.51	42.46	42.95	44.73	37.71	34.69	28.55	38.00	44.01	48.01
5	50.05	44.20	41.50	42.47	43.28	44.77	37.55	35.15	28.54	38.33	44.25	48.43
6	50.08	44.01	40.82	42.04	43.55	44.55	36.54	35.48	28.90	38.65	44.44	48.23
7	50.04	44.08	40.84	41.82	43.55	44.64	36.47	35.66	29.05	38.73	44.54	48.18
8	50.06	44.20	41.01	41.41	43.41	44.69	36.13	35.94	29.35	38.92	44.62	48.27
9	50.08	44.30	40.75	41.53	43.51	44.39	35.78	36.04	29.77	39.00	44.75	48.37
10	50.10	44.38	40.85	41.46	43.53	44.31	35.22	36.13	30.20	38.93	44.92	48.48
11	50.08	44.34	40.70	41.41	43.48	43.85	34.81	36.21	30.60	38.45	45.06	48.58
12	50.05	44.35	40.71	41.54	43.34	43.78	35.20	36.25	31.07	39.18	45.22	48.65
13	50.04	44.24	40.65	41.25	43.12	43.36	35.50	36.05	31.57	39.65	46.07	48.69
14	49.99	43.98	40.95	41.29	42.97	43.29	35.90	35.97	32.12	40.02	45.49	48.73
15	49.91	43.63	41.05	41.02	43.09	43.13	36.21	35.29	32.38	40.27	45.64	48.75
16	49.55	43.63	41.41	40.82	43.12	43.05	36.37	34.99	32.66	40.42	45.75	48.81
17	49.21	43.67	41.56	40.79	43.21	43.00	36.42	35.13	33.18	40.64	45.92	48.84
18	49.02	43.31	41.47	41.09	43.43	42.94	36.61	34.95	33.81	40.86	46.04	48.89
19	48.94	43.06	41.61	41.33	43.22	42.85	36.66	34.58	34.23	41.16	46.15	48.91
20	48.80	43.07	41.72	41.46	43.59	42.65	36.54	34.62	34.69	41.37	46.30	48.96
21	48.27	43.06	39.82	41.71	43.70	42.77	36.12	33.76	34.92	41.61	46.46	49.03
22	48.18	42.92	40.11	41.88	43.70	42.78	35.79	33.77	34.97	41.85	46.59	49.02
23	47.81	43.05	40.55	41.88	43.74	41.96	35.64	33.82	---	42.05	46.73	49.08
24	47.31	43.08	40.78	41.74	43.67	41.67	34.43	33.59	---	42.20	46.84	49.17
25	46.66	42.79	40.95	42.23	43.90	40.87	34.41	32.54	---	42.34	46.93	49.47
26	46.42	42.49	41.20	42.34	43.95	40.53	34.38	32.51	---	42.55	47.01	50.03
27	46.49	42.51	41.50	42.36	43.96	40.32	34.18	31.91	---	42.75	47.10	49.47
28	45.92	42.62	41.75	42.37	44.09	40.19	34.12	31.32	---	42.96	47.28	49.48
29	45.73	42.44	41.98	41.99	44.21	40.24	33.64	30.77	---	43.15	47.33	49.59
30	45.43	42.43	42.04	41.71	---	39.50	33.18	30.65	36.71	43.27	47.33	49.62
31	45.17	---	42.12	42.04	---	39.09	---	30.76	---	43.37	47.38	---
MAX	50.10	44.76	42.50	42.47	44.21	44.77	38.72	36.25	---	43.37	47.38	50.03
*PREC	0.29	0.84	3.23	1.11	3.15	0.37	1.29	0.65	---	---	9.47	13.62



DE SOTO COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
270225081443303	ROMP 12 PRAIRIE CREEK NOCATEE WELL NR ARCADIA FL	20040526	44.67	NGVD29
		20040922	49.59	NGVD29
270225081443304	ROMP 12 PRAIRIE CREEK ARCADIA WELL NR ARCADIA FL	20040526	45.13	NGVD29
		20040922	49.60	NGVD29
270225081443305	ROMP 12 PRAIRIE CREEK TAMIAMI WELL NR ARCADIA FL	20040526	38.40	NGVD29
		20040922	48.92	NGVD29
270325081484701	NAT WOLF CORP IRRIGATION WELL NEAR ARCADIA FL	20040519	44.49	NGVD29
		20040922	47.52	NGVD29
270417081575601	ROB LANE DESOTO 36 WELL (RUSSELL) NEAR ARCADIA FL	20040520	37.82	NGVD29
		20040922	44.05	NGVD29
270418081365802	ROMP 13 TIPPEN BAY SUWANNEE WELL NEAR ARCADIA FL	20040526	44.45	NGVD29
		20040922	50.38	NGVD29
270418081365803	ROMP 13 TIPPEN BAY LOWER ARCADIA NR ARCADIA FL	20040526	44.64	NGVD29
		20040922	50.48	NGVD29
270418081365804	ROMP 13 TIPPEN BAY UPPER ARCADIAN NR ARCADIA FL	20040526	44.95	NGVD29
		20040922	50.49	NGVD29
270418081365805	ROMP 13 TIPPEN BAY NRSD WELL NR ARCADIA FL	20040526	57.82	NGVD29
		20040922	61.06	NGVD29
270540082001101	GDU WELL M-2 NEAR FORT OGDEN FL	20040519	39.60	NGVD29
		20040922	49.80	NGVD29
270540082001102	GDU WELL T-2 NEAR FORT OGDEN FL	20040519	35.19	NGVD29
		20040922	48.47	NGVD29
270737082025101	ROMP 9.5 SUWANNEE WELL (MW1) NEAR FT OGDEN FL	20040527	40.33	NGVD29
		20040922	47.23	NGVD29
270737082025102	ROMP 9.5 LOWER ARCADIA WELL (MW2) NEAR FT OGDEN FL	20040527	37.09	NGVD29
		20040922	45.85	NGVD29
270737082025104	ROMP 9.5 NRSD WELL (MW3) NEAR FT OGDEN FL	20040527	31.32	NGVD29
		20040922	34.84	NGVD29
270858081582201	NUNEZ RED HAWK RANCH WELL NEAR NOCATEE FL	20040519	38.10	NGVD29
		20040922	44.80	NGVD29
271026081583601	ROMP 17 AVON PARK WELL NEAR NOCATEE FL	20040526	39.90	NGVD29
		20040920	48.39	NGVD29
271026081583603	ROMP 17 TAMPA-SUWANNEE WELL NEAR NOCATEE FL	20040526	16.46	NGVD29
		20040920	19.88	NGVD29
271026081583604	ROMP 17 TAMPA WELL NEAR NOCATEE FL	20040526	35.31	NGVD29
		20040920	44.30	NGVD29
271026081583605	ROMP 17-NRSD WELL NEAR NOCATEE FL	20040526	39.49	NGVD29
		20040920	48.44	NGVD29

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 2003 TO SEPTEMBER 2004

DE SOTO COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
271115081462701	ROMP 16 OCALA WELL NEAR ARCADIA FL	20040519	42.48	NGVD29
		20040922	49.88	NGVD29
271115081462702	ROMP 16 JOSHUA CREEK TAMPA WELL NEAR ARCADIA FL	20040519	42.34	NGVD29
		20040922	50.06	NGVD29
271228081482801	TOWNSEN RIVER HAWTHORN WELL NEAR ARCADIA FL	20040520	40.75	NGVD29
		20040922	51.09	NGVD29
271232081392201	ROMP 15 AVON PARK WELL NEAR ARCADIA FL	20040519	42.08	NGVD29
		20040923	50.15	NGVD29
271405081453201	BEVIS DEEP IRRIGATION WELL NEAR ARCADIA FL	20040520	42.22	NGVD29
		20040923	50.21	NGVD29
271610081565401	CUNNINGHAM WELL NEAR ARCADIA FL	20040521	35.24	NGVD29
		20040923	47.39	NGVD29
271623081520101	CAMP CHANYATAH WELL 49 NEAR ARCADIA F	20040521	32.26	NGVD29
		20040923	43.90	NGVD29
271720081521501	SORRELLS BROS WELL 8 NEAR ARCADIA FL	20040923	46.53	NGVD29
271746081404301	SOUTH TOMATO GROWERS WELL NEAR ARCADIA FL	20040519	38.50	NGVD29
		20040923	50.03	NGVD29
271746081453501	FLA POWER & LIGHT WELL NEAR ARCADIA FL	20040520	38.45	NGVD29
		20040923	48.73	NGVD29
271748081345101	TRG WELL J36 NEAR ARCADIA FL	20040519	39.10	NGVD29
		20040923	49.26	NGVD29
272015081392701	AMOCO 2 OIL TEST WELL NEAR ARCADIA FL	20040519	46.48	NGVD29
		20040921	58.80	NGVD29

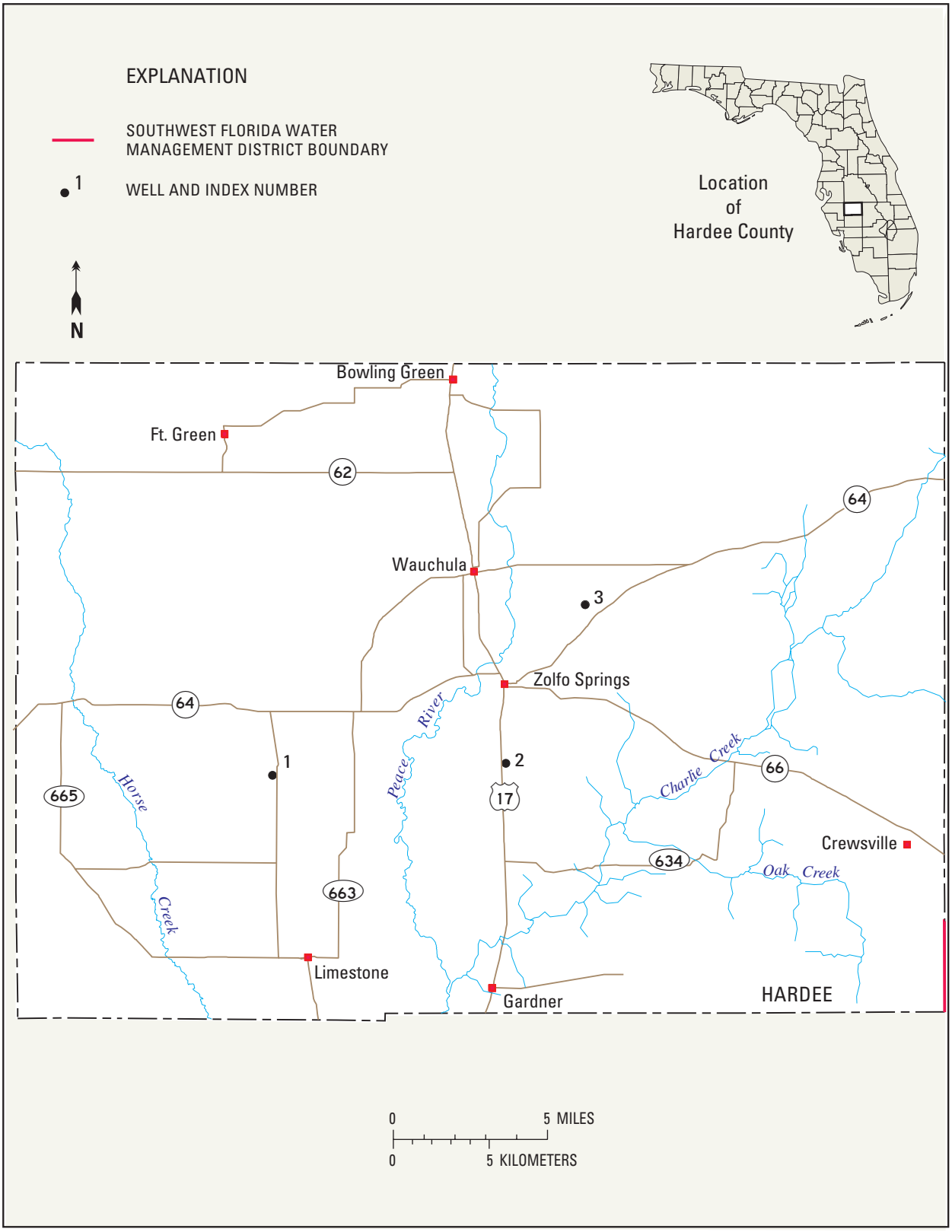


Figure 14.-- Location of wells in Hardee County.

KEY TO SITE LOCATIONS ON FIGURE 14

HARDEE COUNTY

INDEX NUMBER	SITE NUMBER
1	272714081545901
1	272714081545902
1	272714081545903
2	272728081474701
2	272728081474702
2	272728081474703
2	272728081474704
3	273156081451401

HARDEE COUNTY

WELL NUMBER.--272714081545901. ROMP 31 Avon Park Well near Ona, FL.

LOCATION.--Lat 27° 27'14", long 81° 54'59" (1927 North American datum), in NE 1/4 NW 1/4 sec.9, T.35 S., R.24 E., Hydrologic Unit 03100101, 80 ft west of State Highway 663, and 1.4 mi south of Ona.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 1,152 ft, cased to 460 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 78.09 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby irrigation wells.

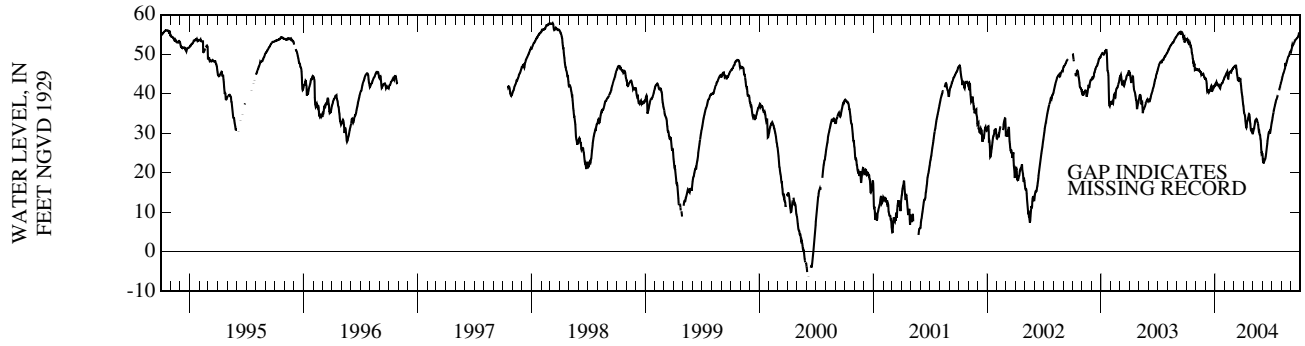
PERIOD OF RECORD.--November 1977 to October 1996; October 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 57.92 ft NGVD, Mar. 9, 1998; lowest, 6.25 ft below NGVD, June 6, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53.70	46.04	43.78	42.28	44.22	46.76	36.86	29.94	24.77	32.95	43.24	50.99
2	53.76	46.08	43.80	42.42	44.33	46.76	35.88	30.39	23.29	33.36	43.61	51.32
3	53.76	46.22	43.60	42.35	44.50	46.89	35.11	30.80	22.51	33.92	43.92	51.54
4	53.52	46.20	43.31	42.71	44.68	47.03	34.97	31.02	22.71	34.43	44.24	51.93
5	53.69	46.06	42.58	42.91	44.92	47.06	34.68	31.42	22.32	34.90	44.62	52.45
6	53.45	45.95	41.15	42.60	45.19	46.83	34.28	31.85	22.80	35.24	44.93	52.24
7	53.14	46.00	40.54	42.46	45.26	46.94	33.09	32.31	23.02	35.66	45.14	52.37
8	52.75	45.95	40.66	42.20	45.36	46.99	32.52	32.82	23.25	36.04	45.30	52.48
9	52.60	46.07	40.91	42.15	45.50	46.45	31.57	33.20	23.36	36.34	45.59	52.61
10	52.32	46.14	40.85	42.18	44.80	46.13	31.41	33.34	23.65	36.59	45.88	52.75
11	52.64	45.89	40.58	42.22	43.86	45.20	31.77	33.44	24.06	37.11	46.16	52.93
12	52.93	45.85	40.27	42.27	43.82	44.66	32.64	33.55	24.65	37.47	46.43	53.22
13	52.67	45.79	40.41	41.95	44.41	44.04	32.86	33.41	25.38	37.78	47.77	53.42
14	51.96	45.46	40.68	42.00	44.92	43.45	33.13	33.39	26.10	38.20	46.97	53.59
15	52.01	45.40	40.74	42.01	45.16	43.36	33.60	33.09	26.75	38.42	47.23	53.72
16	51.69	45.43	40.99	41.48	45.28	43.68	33.87	32.67	27.32	38.53	47.47	53.78
17	51.44	45.43	41.19	41.36	45.53	43.82	34.25	32.51	27.96	38.80	47.79	53.85
18	50.38	44.80	41.59	41.73	45.61	43.84	34.64	32.12	28.51	39.12	48.14	53.96
19	50.10	44.90	41.83	42.02	45.62	43.31	34.81	31.22	29.07	39.47	48.32	54.02
20	49.85	44.73	42.01	42.13	45.39	43.27	34.68	30.53	29.65	39.64	48.59	54.14
21	48.88	44.74	41.88	42.38	45.36	43.58	34.00	30.57	30.14	---	48.95	54.23
22	48.60	44.78	40.49	42.61	45.67	43.63	32.83	29.87	30.33	---	49.22	54.32
23	47.97	44.94	40.70	42.69	45.76	42.53	32.29	29.53	30.42	---	49.46	54.46
24	47.98	45.04	40.87	42.70	45.92	41.95	31.24	29.47	30.13	40.86	49.54	54.54
25	46.89	44.75	41.04	42.79	46.26	40.97	30.67	28.56	29.88	41.22	49.67	54.80
26	47.36	44.49	41.31	43.11	46.33	40.29	30.55	28.19	30.35	41.36	49.99	55.43
27	47.61	44.14	41.63	43.29	46.33	39.73	30.88	26.83	30.88	41.72	50.22	54.94
28	46.03	44.09	41.94	43.45	46.46	39.17	30.93	25.95	31.48	42.05	50.52	54.97
29	46.13	43.94	42.03	43.63	46.66	38.69	30.27	24.92	32.06	42.29	50.66	55.11
30	46.25	43.53	41.83	43.84	---	38.02	29.95	25.09	32.57	42.59	50.73	55.18
31	46.27	---	41.96	44.04	---	37.20	---	24.90	---	42.87	50.63	---
MAX	53.76	46.22	43.80	44.04	46.66	47.06	36.86	33.55	32.57	---	50.73	55.43

CAL YR 2003 MAX 55.62



WELL NUMBER.--272714081545902. ROMP 31 Hawthorn Well near Ona, FL.

LOCATION.--Lat 27° 27'14", long 81° 54'59" (1927 North American datum), in NE 1/4 NW 1/4 sec.9, T.35 S., R.24 E., Hydrologic Unit 03100101, 80 ft west of State Highway 663, and 1.4 mi south of Ona.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 350 ft, cased to 130 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 78.41 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.04 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby irrigation wells.

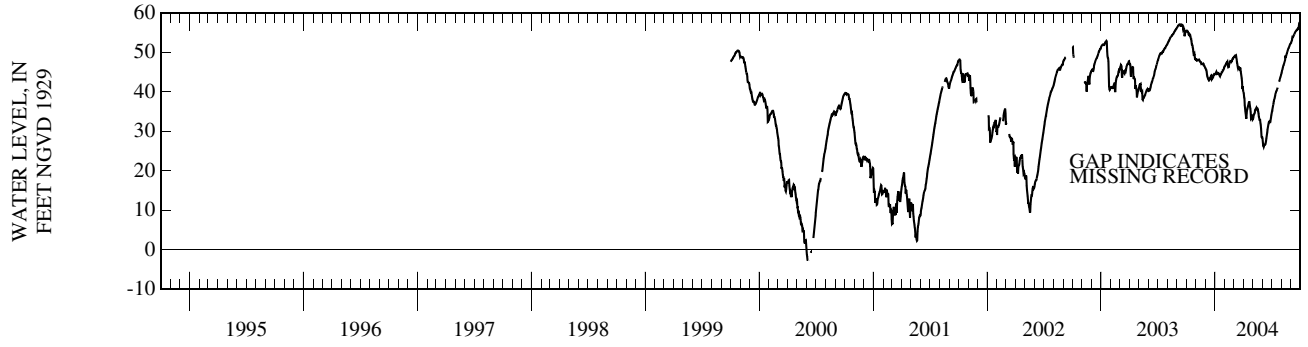
PERIOD OF RECORD.--November 1977 to September 1991; October 1991 to September 1992 (periodic); October 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 58.37 ft NGVD, Oct. 15, 16, 1982; lowest, 2.70 ft below NGVD, June 6, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55.46	48.11	46.06	44.51	46.50	48.85	40.02	33.12	28.22	34.98	44.79	52.63
2	55.52	48.04	45.93	44.60	46.63	48.86	39.62	33.47	27.41	35.41	45.15	52.86
3	55.54	48.19	45.74	44.55	46.76	49.04	38.73	33.83	26.48	35.84	45.45	53.08
4	55.47	48.21	45.57	44.91	46.90	49.18	38.40	34.10	26.35	36.31	45.79	53.43
5	55.31	48.00	45.07	45.11	47.09	49.21	36.64	34.35	26.09	36.78	46.15	53.92
6	55.28	48.02	44.39	44.87	47.35	48.93	35.86	34.51	26.34	37.18	46.45	53.87
7	55.05	48.12	43.99	44.71	47.46	48.98	34.99	34.86	26.54	37.53	46.72	53.97
8	54.65	48.13	43.77	44.64	47.56	49.08	34.51	35.28	26.59	37.88	46.89	54.09
9	54.65	48.12	43.46	44.71	47.68	48.68	33.57	35.54	26.65	38.13	47.17	54.27
10	54.38	48.19	43.35	44.73	47.05	48.45	33.26	35.67	26.77	38.45	47.45	54.46
11	54.32	48.11	43.19	44.73	46.58	47.63	34.56	35.77	27.13	38.89	47.71	54.62
12	54.56	48.03	42.88	44.76	46.26	47.23	35.36	35.88	27.59	39.27	47.99	54.82
13	54.46	47.94	42.95	44.50	46.30	46.67	35.70	36.03	28.22	39.59	49.23	55.02
14	53.93	47.74	43.17	44.49	46.72	46.20	36.04	35.83	28.79	39.92	48.62	55.20
15	53.70	47.56	43.25	44.44	47.10	45.87	36.37	35.40	29.35	40.11	48.85	55.35
16	53.34	47.53	43.57	44.05	47.30	46.00	36.64	35.32	29.84	40.25	49.10	55.47
17	52.91	47.53	43.65	43.90	47.55	46.15	36.92	35.45	30.40	40.47	49.39	55.58
18	52.13	47.12	43.93	44.20	47.75	46.19	37.25	35.08	30.89	40.75	49.76	55.71
19	51.96	47.14	44.14	44.41	47.72	45.84	37.46	34.55	31.37	41.11	49.97	55.79
20	51.84	47.09	44.27	44.52	47.65	45.75	37.47	33.79	31.81	---	50.22	55.75
21	51.27	47.04	44.22	44.68	47.55	45.97	36.86	33.49	32.24	---	50.50	55.87
22	50.92	47.02	43.28	44.89	47.76	45.99	36.22	32.96	32.46	---	50.77	56.00
23	50.32	47.12	43.40	45.06	47.74	45.17	35.75	32.95	32.55	---	51.03	56.13
24	49.90	47.21	43.51	45.12	47.82	44.60	34.97	32.94	32.42	42.60	51.18	56.11
25	49.14	47.06	43.62	45.25	48.28	44.02	33.30	32.13	32.14	42.83	51.36	56.36
26	49.39	46.82	43.82	45.47	48.43	43.47	33.40	31.62	32.47	43.03	51.56	56.96
27	49.56	46.61	44.08	45.62	48.45	42.59	33.87	30.71	32.98	43.32	51.79	56.80
28	48.76	46.56	44.37	45.70	48.59	40.76	33.94	29.84	33.51	43.60	52.06	56.86
29	48.14	46.36	44.53	45.91	48.76	41.43	33.33	28.60	34.09	43.83	52.24	56.90
30	48.31	46.15	44.54	46.13	---	41.06	33.01	28.56	34.53	44.11	52.31	56.95
31	48.34	---	44.49	46.33	---	40.29	---	28.53	---	44.41	52.41	---
MAX	55.54	48.21	46.06	46.33	48.76	49.21	40.02	36.03	34.53	---	52.41	56.96

CAL YR 2003 MAX 57.13



WELL NUMBER.--272714081545903. ROMP 31 Shallow Well near Ona, FL.

LOCATION.--Lat 27° 27'14", long 81° 54'59" (1927 North American datum), in NE 1/4 NW 1/4 sec.9, T.35 S., R.24 E., Hydrologic Unit 03100101, 80 ft west of State Highway 663, and 1.4 mi south of Ona.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 15 ft, cased to 5 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

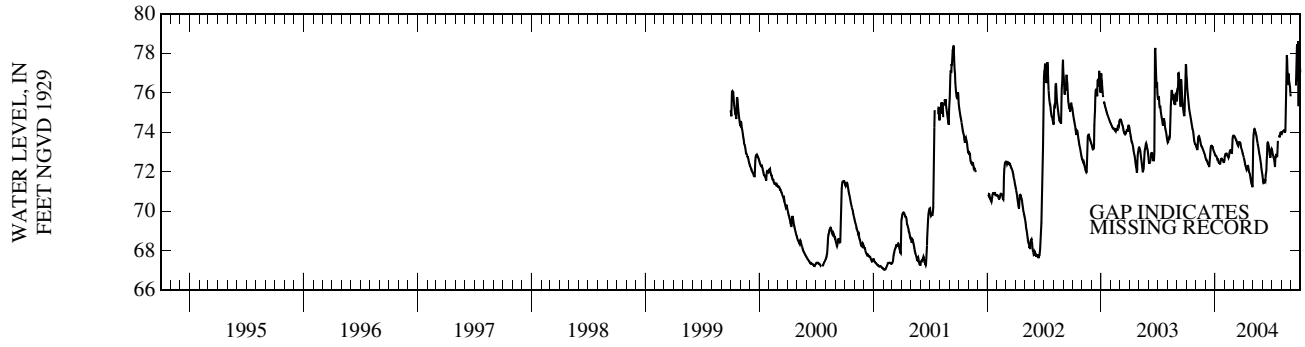
DATUM.--Land-surface datum is 78.76 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 1.10 ft above land-surface datum.

PERIOD OF RECORD.--November 1977 to September 1992; October 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 78.63 ft NGVD, Sept. 23, 2004; lowest, 67.05 ft NGVD, Feb. 6, 7, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76.82	73.31	72.75	72.84	72.76	73.84	72.81	72.75	71.80	73.13	73.92	---
2	76.71	73.25	72.70	72.83	72.85	73.83	72.73	73.57	71.64	73.02	73.99	---
3	76.51	73.22	72.64	72.83	72.90	73.80	72.66	73.87	71.50	72.94	73.99	---
4	76.19	73.16	72.60	72.81	72.91	73.77	72.58	74.00	71.43	72.85	74.02	---
5	75.99	73.11	72.58	72.79	72.93	73.75	72.51	74.16	71.44	72.79	74.05	---
6	75.78	73.29	72.57	72.76	72.93	73.71	72.40	74.18	71.54	72.76	74.07	---
7	75.60	73.67	72.51	72.70	72.93	73.65	72.33	74.15	71.59	72.70	74.09	---
8	75.44	73.78	72.46	72.63	72.87	73.64	72.29	74.11	71.59	72.67	74.10	---
9	75.30	73.81	72.41	72.65	72.82	73.60	72.24	74.06	71.59	72.55	74.11	---
10	75.17	73.82	72.42	72.65	72.81	73.57	72.17	73.98	71.56	72.39	74.10	---
11	75.08	73.81	72.41	72.59	72.79	73.48	72.10	73.94	71.83	72.25	74.04	---
12	74.99	73.75	72.31	72.51	72.76	73.44	72.14	73.87	71.96	72.66	73.99	---
13	74.90	73.68	72.25	72.48	72.71	73.41	72.27	73.77	72.05	72.79	74.08	---
14	74.80	73.60	72.42	72.47	72.76	73.34	72.29	73.65	72.55	72.83	75.14	---
15	74.71	73.51	72.62	72.47	72.91	73.31	72.30	73.56	72.83	72.81	75.77	---
16	74.60	73.43	72.83	72.44	72.99	73.40	72.24	73.46	73.35	72.85	76.43	76.38
17	74.48	73.36	73.10	72.38	73.05	73.50	72.18	73.38	73.48	72.85	77.00	77.15
18	74.39	73.30	73.26	72.48	73.07	73.51	72.08	73.29	73.50	72.83	77.91	77.76
19	74.29	73.28	73.31	72.62	73.09	73.51	72.01	73.19	73.47	73.15	77.70	78.33
20	74.18	73.28	73.32	72.63	73.10	73.51	71.98	73.08	73.39	73.57	77.07	78.48
21	74.15	73.24	73.30	72.66	73.09	73.49	71.93	72.96	73.30	---	76.93	76.64
22	74.09	73.19	73.28	72.67	73.02	73.46	71.84	72.88	73.20	---	76.66	78.07
23	74.01	73.15	73.29	72.66	72.96	73.35	71.73	72.80	73.03	---	76.41	78.63
24	73.88	73.10	73.28	72.62	72.96	73.25	71.63	72.69	72.90	73.86	76.98	77.35
25	73.72	73.06	73.21	72.61	73.37	73.20	71.52	72.58	72.80	73.81	76.61	75.33
26	73.58	73.01	73.15	72.57	73.68	73.15	71.44	72.47	72.72	73.75	76.53	78.22
27	73.53	72.96	73.09	72.53	73.79	73.09	71.38	72.36	72.92	73.86	76.39	77.28
28	73.44	72.92	73.05	72.50	73.83	73.04	71.37	72.23	73.08	73.96	76.29	77.76
29	73.42	72.87	73.01	72.46	73.84	72.98	71.23	72.12	73.13	73.99	75.98	77.32
30	73.41	72.78	72.97	72.52	---	72.91	71.31	72.01	73.17	74.00	75.83	77.04
31	73.37	---	72.90	72.59	---	72.86	---	71.92	---	73.93	---	---
MAX	76.82	73.82	73.32	72.84	73.84	73.84	72.81	74.18	73.50	---	---	---



WELL NUMBER.--272728081474701. ROMP 30 Avon Park Well near Zolfo Springs, FL.

LOCATION.--Lat 27° 27'28", long 81° 47'47" (1927 North American datum), in SW 1/4 SE 1/4 sec.3, T.35 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of State Highway 17, 0.25 mi north of State Highway 684, and 2.4 mi south of Zolfo Springs.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 8 in., depth 1,266 ft, cased to 380 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 66.73 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 4.50 ft above land-surface datum.

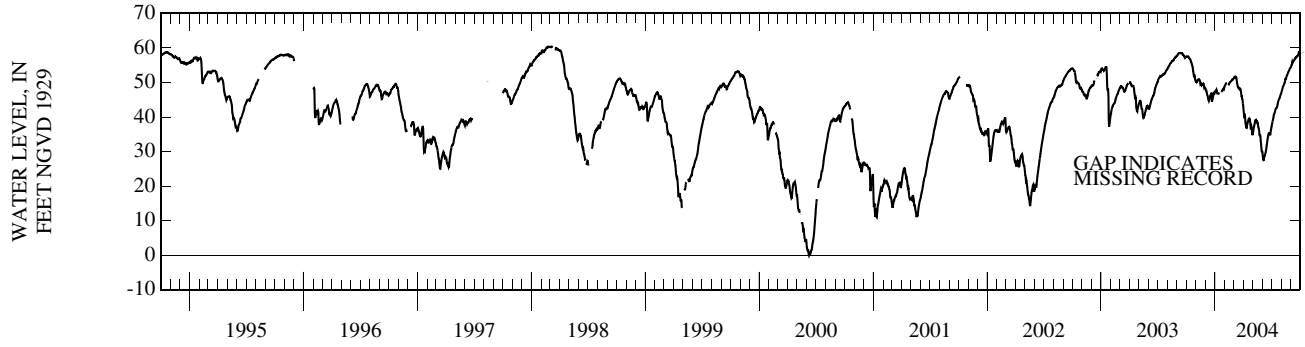
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 60.52 ft NGVD, Mar. 9, 1998; lowest, 0.20 ft below NGVD, June 10, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57.54	49.91	48.36	47.25	48.97	51.28	42.16	35.25	29.52	37.84	47.16	54.72
2	57.58	50.32	48.05	47.52	49.16	51.40	41.23	35.84	28.47	38.27	47.56	54.97
3	57.58	50.66	47.67	47.48	49.37	51.56	40.38	36.54	27.79	38.73	47.84	55.17
4	57.55	50.22	47.58	47.63	49.49	51.63	40.57	37.11	27.48	39.18	48.17	55.56
5	57.57	50.36	47.16	47.83	49.70	51.66	40.58	37.49	27.55	39.60	48.53	56.09
6	57.58	50.64	46.74	47.43	49.93	51.53	39.81	37.91	28.14	40.06	48.84	55.85
7	57.55	50.81	46.43	47.09	50.02	51.59	38.58	38.32	28.45	40.44	49.00	56.01
8	57.42	50.89	46.17	46.54	---	51.54	37.87	38.73	28.69	40.78	49.20	56.16
9	57.20	50.93	45.67	---	---	51.33	37.15	38.91	29.06	40.91	49.47	56.31
10	57.10	50.91	45.16	46.84	---	51.01	36.88	39.14	29.34	41.17	49.73	56.42
11	56.93	50.71	44.93	46.87	---	50.08	36.84	39.16	29.81	41.49	49.98	56.56
12	56.82	50.71	44.63	46.86	49.25	49.65	37.52	38.76	30.39	41.91	50.25	56.68
13	56.74	50.53	44.93	46.83	49.31	49.04	37.98	38.82	30.95	42.24	51.17	56.83
14	56.56	50.35	45.34	46.55	49.54	48.81	38.43	38.79	31.73	42.46	50.82	56.98
15	56.18	49.60	45.62	---	49.69	48.73	38.60	38.29	32.35	42.58	51.13	57.06
16	55.94	49.72	46.09	---	49.78	48.44	38.91	38.34	32.93	42.62	51.37	57.23
17	55.76	49.68	46.31	---	50.05	48.45	39.12	38.28	33.54	42.77	51.64	57.27
18	55.29	49.34	46.51	---	50.16	48.20	39.40	37.23	33.94	43.16	51.88	57.45
19	55.00	49.16	46.75	---	50.21	48.01	39.55	36.98	34.48	43.59	52.10	57.50
20	54.83	49.32	46.80	47.15	50.24	48.02	39.30	36.54	34.94	44.01	52.28	57.64
21	54.23	49.37	46.11	---	50.34	48.26	39.34	36.20	35.26	44.37	52.57	57.71
22	53.39	49.39	44.41	47.26	50.41	48.17	38.78	34.77	35.37	44.72	52.81	57.74
23	53.28	49.53	44.92	47.59	50.52	47.63	38.02	34.73	35.38	44.94	53.01	57.87
24	52.52	49.67	45.30	47.61	50.61	47.06	36.91	34.93	35.09	45.19	53.22	57.97
25	51.94	49.56	45.69	47.75	50.84	46.12	37.00	34.24	34.72	45.42	53.42	58.30
26	51.79	49.06	46.04	48.06	50.90	46.08	37.16	33.00	35.09	45.46	53.59	59.00
27	51.89	48.41	46.48	48.22	50.90	45.43	36.44	32.14	35.69	45.73	53.85	58.43
28	51.39	48.58	46.89	48.27	50.89	45.28	36.11	31.50	36.24	46.10	54.14	58.51
29	50.98	48.43	47.15	48.15	51.17	45.16	34.98	30.37	36.84	46.38	54.28	58.59
30	50.47	48.37	47.11	48.34	---	43.93	34.72	29.83	37.36	46.58	54.37	58.61
31	50.32	---	47.00	48.70	---	43.24	---	30.14	---	46.85	54.44	---
MAX	57.58	50.93	48.36	---	---	51.66	42.16	39.16	37.36	46.85	54.44	59.00



WELL NUMBER.--272728081474702. ROMP 30 Tampa Well near Zolfo Springs, FL.

LOCATION.--Lat 27° 27'28", long 81° 47'47" (1927 North American datum), in SW 1/4 SE 1/4 sec.3, T.35 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of State Highway 17, 0.25 mi north of State Highway 684, and 2.4 mi south of Zolfo Springs.

AQUIFER.--Tampa limestone formation of Miocene Age, Geologic Unit 122TAMP.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 8 in., depth 316 ft, cased to 280 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 66.73 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 4.11 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby irrigation wells.

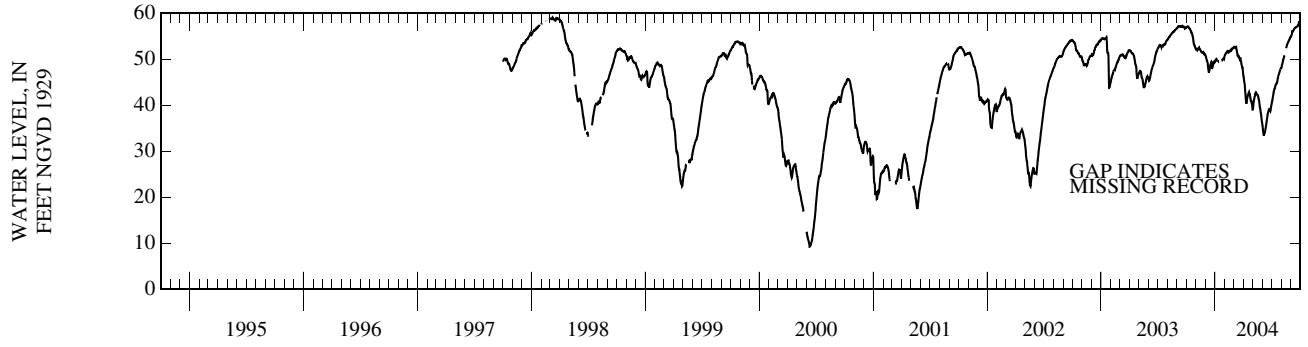
PERIOD OF RECORD.--October 1981 to September 1989; October 1989 to September 1990, October 1991 to September 1997 (periodic); October 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 58.98 ft NGVD, Mar. 9, 1998; lowest, 9.27 ft NGVD, June 10, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56.93	52.08	50.89	49.46	50.72	52.61	46.23	39.09	35.58	40.65	48.24	55.05
2	56.99	52.08	50.71	49.70	50.87	52.58	45.97	39.84	34.87	40.99	48.49	55.25
3	57.03	52.20	50.40	49.84	51.02	52.68	45.22	40.49	34.30	41.45	48.73	55.41
4	57.01	52.12	50.18	49.88	51.14	52.68	44.84	40.96	33.87	41.87	49.10	55.77
5	57.07	51.95	49.89	49.98	51.32	52.61	44.48	41.33	33.40	42.24	49.51	56.21
6	57.11	52.06	49.61	49.86	51.43	52.49	43.24	41.63	33.74	42.64	49.81	56.00
7	57.05	52.26	49.48	49.60	51.42	52.61	42.58	41.88	33.86	42.90	49.99	56.14
8	56.96	52.37	49.27	49.48	51.51	52.63	41.51	42.19	33.96	43.18	50.21	56.24
9	56.85	52.45	48.48	---	51.71	52.33	40.73	42.54	34.20	43.35	50.48	56.35
10	56.75	52.54	47.86	49.35	51.73	52.12	40.33	42.70	34.72	43.51	50.71	56.42
11	56.67	52.35	47.47	49.39	51.77	51.59	40.62	42.80	35.13	43.84	50.78	56.55
12	56.52	52.28	47.06	49.48	51.75	51.34	41.22	42.75	35.51	44.12	---	56.69
13	56.48	52.23	47.30	49.47	51.47	50.84	41.61	42.49	35.99	44.34	---	56.76
14	56.24	52.09	47.78	---	51.54	50.64	42.02	42.40	36.50	44.50	---	56.81
15	56.13	51.91	48.12	---	51.63	50.68	42.16	42.26	36.94	44.62	---	56.85
16	55.86	51.79	48.57	---	51.62	50.58	42.31	42.13	37.37	44.65	52.36	56.91
17	55.84	51.74	48.78	---	51.72	50.57	42.53	42.13	37.79	44.82	52.61	56.94
18	55.64	51.56	49.06	---	51.78	50.30	42.65	41.94	38.14	45.14	52.90	56.99
19	55.47	51.46	49.27	---	51.94	50.11	42.82	41.51	38.34	45.50	53.05	57.07
20	55.26	51.40	49.42	49.44	52.01	49.97	42.39	41.20	38.71	45.89	53.27	57.16
21	54.84	51.41	49.34	---	51.92	50.19	42.39	40.91	38.91	46.16	53.50	57.21
22	54.64	51.42	48.09	49.64	51.89	50.20	42.14	40.27	39.07	46.42	53.70	57.22
23	54.20	51.42	48.05	49.69	51.97	49.75	41.59	39.66	39.00	46.66	53.83	57.29
24	53.68	51.54	48.24	49.71	52.13	49.46	41.15	39.36	39.00	46.82	53.88	57.35
25	53.25	51.41	48.46	49.86	52.33	48.96	40.80	38.98	38.97	47.07	54.06	57.61
26	53.13	51.27	48.72	50.03	52.37	48.73	41.00	38.28	38.81	47.26	54.21	58.23
27	53.07	51.08	48.97	50.13	52.33	48.35	40.49	37.92	39.16	47.53	54.38	57.78
28	52.79	51.10	49.28	50.17	52.43	48.18	40.28	37.70	39.49	47.73	54.58	57.86
29	52.57	50.97	49.47	50.20	52.50	48.18	39.63	36.97	39.94	47.91	54.71	57.91
30	52.36	50.90	49.47	50.15	---	47.51	39.04	36.46	40.30	47.97	54.74	57.93
31	52.21	---	49.37	50.47	---	46.78	---	35.98	---	48.06	54.88	---
MAX	57.11	52.54	50.89	---	52.50	52.68	46.23	42.80	40.30	48.06	---	58.23

CAL YR 2003 MAX 57.23



WELL NUMBER.--272728081474703. ROMP 30 Shallow Well near Zolfo Springs, FL.

LOCATION.--Lat 27° 27'28", long 81° 47'47" (1927 North American datum), in SW 1/4 SE 1/4 sec.3, T.35 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of State Highway 17, 0.25 mi north of State Highway 684, and 2.4 mi south of Zolfo Springs.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 8 in., depth 15 ft, cased to 5 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 66.73 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 4.12 ft above land-surface datum.

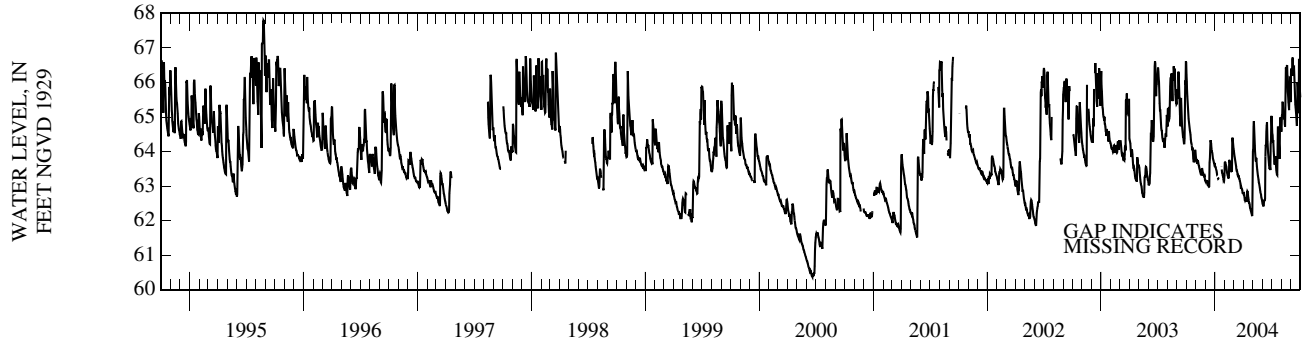
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 67.80 ft NGVD, Aug. 25, 1995; lowest, 60.37 ft NGVD, June 19, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66.22	63.79	63.14	63.57	63.68	64.02	62.78	64.00	62.49	64.78	64.63	66.37
2	66.02	63.75	63.13	63.56	63.69	63.94	62.79	64.07	62.48	64.52	65.04	66.41
3	65.81	63.75	63.11	63.52	63.68	63.86	62.75	64.72	62.44	64.49	65.05	66.26
4	65.60	63.64	63.14	63.49	63.63	63.81	62.68	64.88	62.41	64.27	65.42	66.40
5	65.46	63.68	63.17	63.46	63.60	63.75	62.61	64.62	62.47	64.33	65.44	66.70
6	65.27	63.73	63.12	63.40	63.56	63.69	62.58	64.36	62.57	64.11	65.23	66.70
7	65.11	63.72	63.09	63.33	63.48	63.63	62.61	64.17	62.59	64.01	64.97	66.47
8	64.95	63.66	63.04	63.34	63.39	63.57	62.64	64.02	62.59	63.88	64.98	66.19
9	64.85	63.60	63.04	---	63.36	63.51	62.67	63.89	62.62	63.72	65.13	66.43
10	64.76	63.58	63.06	63.24	63.32	63.45	62.60	63.76	63.85	63.62	65.15	66.44
11	64.68	63.55	62.99	63.21	63.28	63.45	62.54	63.71	64.20	63.77	64.80	66.04
12	64.61	63.51	62.98	63.22	63.24	63.41	62.81	63.82	64.16	63.86	64.72	65.76
13	64.55	63.47	62.99	63.21	63.24	63.34	62.85	63.69	64.57	63.76	65.65	65.55
14	64.48	63.42	63.68	---	63.30	63.30	62.83	63.57	64.75	63.60	66.13	65.36
15	64.35	63.39	63.79	---	63.76	63.28	62.76	63.47	64.84	63.46	66.43	65.27
16	64.27	63.35	64.08	---	63.73	63.30	62.67	63.39	64.55	63.40	66.35	65.14
17	64.23	63.33	64.33	---	63.70	63.28	62.61	63.31	64.29	63.33	66.22	65.03
18	64.17	63.33	64.29	---	63.64	63.22	62.54	63.25	64.12	63.32	66.48	64.88
19	64.08	63.44	64.22	---	63.62	63.21	62.52	63.19	63.96	63.82	66.50	64.74
20	64.06	63.52	64.09	63.57	63.56	63.15	62.51	63.11	63.84	64.70	66.04	65.58
21	64.07	63.47	64.00	---	63.50	63.13	62.45	63.07	63.73	64.70	65.73	65.99
22	63.89	63.42	64.00	63.48	63.43	63.07	62.37	63.01	63.60	64.53	65.61	65.88
23	63.80	63.37	63.97	63.40	63.43	62.98	62.35	62.95	63.53	64.29	65.43	65.46
24	63.72	63.34	63.89	63.38	63.41	62.99	62.31	62.88	63.49	64.07	65.33	65.21
25	63.69	63.29	63.80	63.32	64.36	62.95	62.27	62.82	63.54	63.91	65.20	65.11
26	63.74	63.32	63.77	63.28	64.40	62.93	62.24	62.79	63.46	63.79	65.62	66.68
27	63.73	63.29	63.73	63.24	64.28	62.91	62.20	62.74	64.22	64.73	66.13	66.37
28	63.77	63.30	63.68	63.16	64.17	62.87	62.15	62.69	64.32	64.95	66.12	66.00
29	64.05	63.19	63.66	63.18	64.08	62.82	62.13	62.65	64.99	64.99	65.72	65.74
30	63.96	63.18	63.61	63.17	---	62.78	62.66	62.61	65.03	64.73	65.43	65.57
31	63.88	---	63.62	63.30	---	62.82	---	62.56	---	64.57	66.31	---
MAX	66.22	63.79	64.33	---	64.40	64.02	62.85	64.88	65.03	64.99	66.50	66.70



WELL NUMBER.--272728081474704. ROMP 30 Arcadia Well near Zolfo Springs, FL.

LOCATION.--Lat 27° 27'28", long 81° 47'47" (1983 North American datum), in SW 1/4 SE 1/4 sec.3, T.35 S., R.25 E., Hydrologic Unit 03100101, 200 ft east of State Highway 17, 0.25 mi north of State Highway 684, and 2.4 mi south of Zolfo Springs.

AQUIFER.--Arcadia formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 8 in., depth 180 ft, cased to 55 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 66.37 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 3.49 ft above land-surface datum.

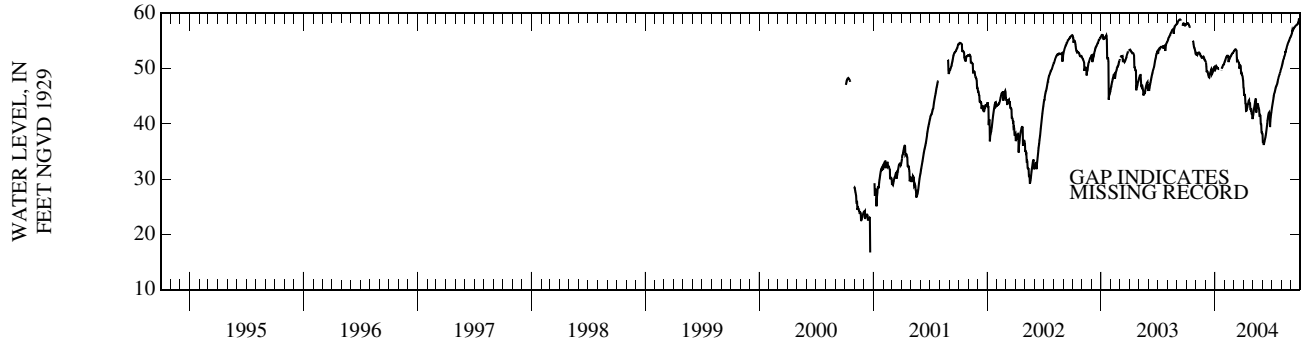
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 59.06 ft NGVD, Sept. 26, 2004; lowest, 16.71 ft NGVD, Dec. 21, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58.14	52.56	51.45	49.82	51.25	53.14	46.61	41.25	38.25	42.92	50.19	56.00
2	58.21	52.57	51.31	50.03	51.40	53.20	46.39	41.62	36.74	43.31	50.46	56.19
3	58.23	52.69	51.09	50.14	51.57	53.31	45.12	42.10	36.76	43.68	50.69	56.36
4	58.19	52.58	50.37	50.26	51.74	53.40	45.26	42.52	36.70	44.03	50.96	56.65
5	58.19	52.49	49.39	50.40	51.92	53.44	45.26	42.92	36.17	44.37	51.23	57.04
6	58.21	52.69	49.54	50.27	52.13	53.40	45.00	43.28	36.54	44.73	51.47	56.89
7	58.16	52.82	49.53	50.14	52.18	53.44	43.75	43.64	36.80	45.04	51.63	56.99
8	58.07	52.86	49.43	49.85	52.21	53.43	43.64	43.98	37.01	45.30	51.78	57.11
9	57.89	52.92	49.14	---	52.34	53.36	42.34	44.25	37.23	45.48	52.01	57.27
10	57.79	52.93	48.85	49.92	52.34	53.25	42.38	44.47	37.61	45.70	52.21	57.33
11	57.70	52.86	48.68	49.94	52.33	51.56	42.46	44.58	37.90	45.97	52.35	57.43
12	57.54	52.86	48.45	50.02	52.29	51.63	42.79	42.05	38.27	46.24	52.54	57.54
13	57.41	52.72	48.39	50.02	51.19	51.52	43.05	43.20	38.72	46.49	53.15	57.62
14	---	52.66	48.66	---	51.52	51.38	43.33	43.48	39.22	46.73	52.95	57.70
15	---	52.39	48.83	---	51.65	51.31	43.53	43.50	39.68	46.87	53.20	57.75
16	---	52.28	49.19	---	51.71	51.17	43.80	43.58	40.13	46.94	53.41	57.82
17	---	52.26	49.37	---	51.90	51.08	44.00	43.59	40.59	47.08	53.65	57.86
18	---	52.17	49.59	---	52.03	50.87	44.22	43.34	40.97	47.30	53.91	57.91
19	---	51.99	49.82	---	52.16	49.99	44.32	42.91	41.35	47.57	54.08	57.94
20	---	51.98	49.95	49.67	52.24	50.31	43.48	42.81	41.70	47.86	54.25	58.00
21	55.06	52.01	49.88	---	52.33	50.56	43.70	42.62	41.97	48.05	54.45	58.09
22	54.96	52.03	48.97	49.96	52.39	50.55	43.67	41.50	42.06	48.30	54.63	58.14
23	54.92	52.10	49.11	50.13	52.50	50.30	42.66	41.54	41.35	48.52	54.79	58.25
24	54.43	52.20	49.25	50.24	52.62	49.14	42.61	41.60	41.37	48.70	54.90	58.35
25	54.06	52.16	49.39	50.39	52.78	49.11	42.49	41.50	39.42	48.87	55.05	58.57
26	53.81	51.99	49.58	50.57	52.83	49.14	42.56	40.01	40.51	49.00	55.16	59.06
27	53.74	51.70	49.83	50.68	52.84	48.88	41.86	39.97	41.15	49.12	55.35	58.66
28	53.49	51.64	50.10	50.73	52.90	48.77	41.85	39.76	41.60	49.33	55.54	58.74
29	53.23	51.54	50.28	50.74	53.07	48.69	41.51	38.44	42.09	49.55	55.68	58.84
30	52.82	51.47	50.33	50.89	---	48.20	40.86	38.36	42.50	49.77	55.75	58.88
31	52.69	---	49.52	51.10	---	47.75	---	38.37	---	49.96	55.86	---
MAX	---	52.93	51.45	---	53.07	53.44	46.61	44.58	42.50	49.96	55.86	59.06



WELL NUMBER.--273156081451401. Rowell Deep Well near Wauchula, FL.

LOCATION.--Lat 27° 31'56", long 81° 45'14" (1927 North American datum), in SE 1/4 SW 1/4 sec.7, T.34 S., R.26 S., Hydrologic Unit 03100101, 0.5 mi south of State Highway 652, and 4.0 mi east of Wauchula.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 6 in., depth 267 ft, cased to 39 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 98.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.87 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby industrial and irrigation wells.

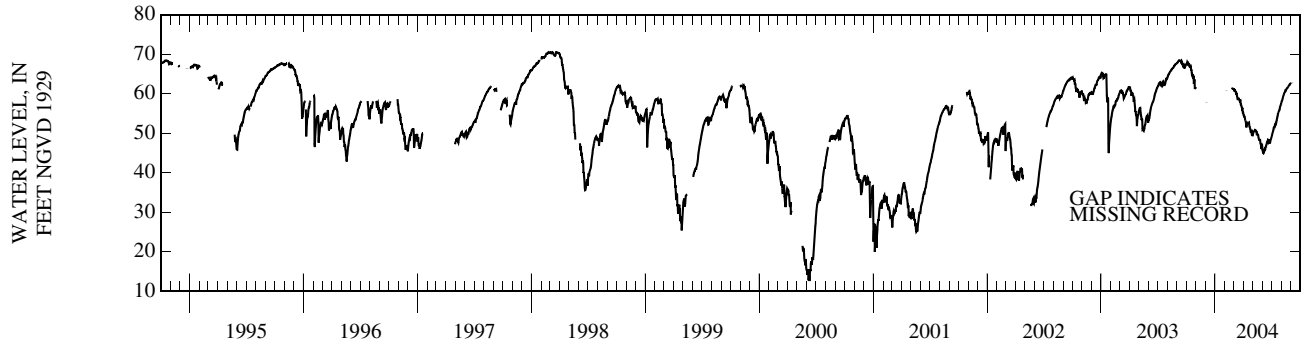
PERIOD OF RECORD.--September 1962 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

REVISED RECORDS.--WDR FL-76-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 73.44 ft NGVD, Oct. 18, 1962; lowest, 12.54 ft NGVD, June 9, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67.53	61.29	---	---	---	61.20	54.64	49.78	45.68	49.40	57.83	62.80
2	67.60	---	---	---	---	60.90	54.54	50.00	45.35	49.72	58.08	---
3	67.69	---	57.79	---	---	60.99	54.23	50.23	44.95	50.01	58.32	---
4	68.02	---	---	---	---	60.83	54.27	50.41	44.90	50.27	58.62	---
5	67.87	---	---	---	60.81	60.79	54.10	50.52	45.09	50.69	58.94	---
6	67.78	---	---	---	---	60.66	53.45	50.60	45.65	51.01	59.20	---
7	67.63	---	---	---	---	60.38	53.25	50.73	45.80	51.30	59.46	---
8	67.00	---	---	---	---	60.38	53.01	50.79	45.44	51.52	59.69	---
9	67.39	---	---	---	---	59.96	52.35	50.78	45.76	51.61	59.95	---
10	67.17	---	---	---	---	59.97	51.44	50.72	46.10	51.59	60.20	---
11	67.29	---	---	---	---	59.61	52.01	50.63	46.34	52.14	60.35	---
12	67.12	---	---	---	---	59.19	52.28	50.43	46.71	52.37	60.48	---
13	66.73	---	---	---	---	58.64	52.48	49.95	46.97	52.51	60.83	---
14	66.64	---	---	---	---	58.61	52.65	50.08	47.32	52.37	60.78	---
15	66.77	---	---	---	---	58.67	52.67	49.82	47.60	52.72	60.91	---
16	65.93	---	---	---	---	58.66	52.67	49.70	47.81	53.17	60.99	---
17	66.12	---	---	---	---	58.71	52.15	49.64	47.91	53.55	61.14	---
18	65.08	---	---	---	---	58.51	52.38	49.45	48.10	53.95	61.29	---
19	64.57	---	---	---	---	58.40	52.49	48.87	47.88	54.31	61.39	---
20	64.43	---	---	---	---	58.13	51.70	48.59	48.30	54.67	61.50	---
21	64.75	---	---	---	---	58.24	51.56	48.27	48.25	54.95	61.60	---
22	64.62	---	---	---	---	58.25	51.32	48.28	48.17	55.27	61.75	---
23	63.87	---	---	---	---	57.24	50.98	48.34	47.81	55.51	61.88	---
24	64.53	---	---	---	61.11	57.22	50.36	48.25	47.54	55.70	61.99	---
25	62.49	---	---	---	61.31	56.88	50.37	47.44	47.57	55.81	62.10	---
26	63.40	---	---	---	61.32	56.62	50.42	47.30	47.87	56.11	62.21	---
27	63.67	---	---	---	61.28	56.18	49.96	46.56	48.18	56.44	62.32	---
28	61.19	---	---	---	61.22	56.30	50.13	46.60	48.46	56.74	62.47	---
29	61.35	---	---	---	61.17	56.29	49.50	45.94	48.73	57.03	62.56	---
30	61.41	---	---	---	---	55.21	49.45	46.43	49.04	57.26	62.62	---
31	61.42	---	---	---	---	55.21	---	46.58	---	57.50	62.71	---
MAX	68.02	---	---	---	---	61.20	54.64	50.79	49.04	57.50	62.71	---



MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 2003 TO SEPTEMBER 2004

HARDEE COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
272038081530701	LIMESTONE LAND 622 WELL NEAR LIMESTONE FL	20040520	28.53	NGVD29
		20040920	48.27	NGVD29
272108081582601	HOLLINGSWORTH WELL 620 NEAR LIMESTONE FL	20040520	17.40	NGVD29
272442082015201	STEPHENS DEEP WELL NO 724201132344 NEAR ONA FL	20040520	9.00	NGVD29
		20040920	40.36	NGVD29
272509081410401	MARRLS DEEP WELL NO 411 NEAR GARDNER FL	20040519	40.10	NGVD29
		20040921	60.50	NGVD29
272715081401601	WILBUR ROBERTSON WELL NO 124 NR ZOLFO SPRINGS FL	20040519	51.39	NGVD29
		20040921	66.47	NGVD29
272855081400701	PEACE RIVER RANCH NO 231 NR CREWSVILLE FL	20040519	53.88	NGVD29
		20040921	71.51	NGVD29
272917081453901	ANDERSON WELL (HARDEE 601) NO 442 ZOLFO SPRINGS FL	20040519	48.54	NGVD29
		20040921	70.03	NGVD29
272944081474001	CITY ZOLFO SPGS DEEP WELL NO 242 ZOLFO SPRINGS FL	20040517	46.06	NGVD29
		20040920	65.67	NGVD29
273108081461301	W.D. BOND WELL HA-89 NO. 323 NEAR WAUCHULA FL	20040517	46.62	NGVD29
		20040920	67.43	NGVD29
273423081582901	CF INDUSTRIES UF-3 WELL NEAR WAUCHULA FL	20040517	96.10	NGVD29
		20040916	98.26	NGVD29
273424081582501	CF INDUSTRIES DEEP WELL LF1 NEAR FORT GREEN FL	20040517	44.96	NGVD29
		20040916	65.46	NGVD29
273426081513401	CF INDUSTRIES DEEP WELL LF6 NEAR FORT GREEN FL	20040517	59.20	NGVD29
		20040916	76.78	NGVD29
273427081513401	CF INDUSTRIES WELL UF-6 NEAR WAUCHULA FL	20040517	74.24	NGVD29
		20040916	86.58	NGVD29
273435081444001	W.B. GEIGER WELL NEAR WAUCHULA FL	20040517	53.72	NGVD29
		20040920	75.02	NGVD29
273555081403001	JOHN WHITE WELL 627 NEAR WAUCHULA FL	20040517	88.09	NGVD29
		20040920	98.42	NGVD29
273714081483101	ST OF FLORIDA PAYNES CREEK HISTORIC SITE FL	20040517	62.44	NGVD29

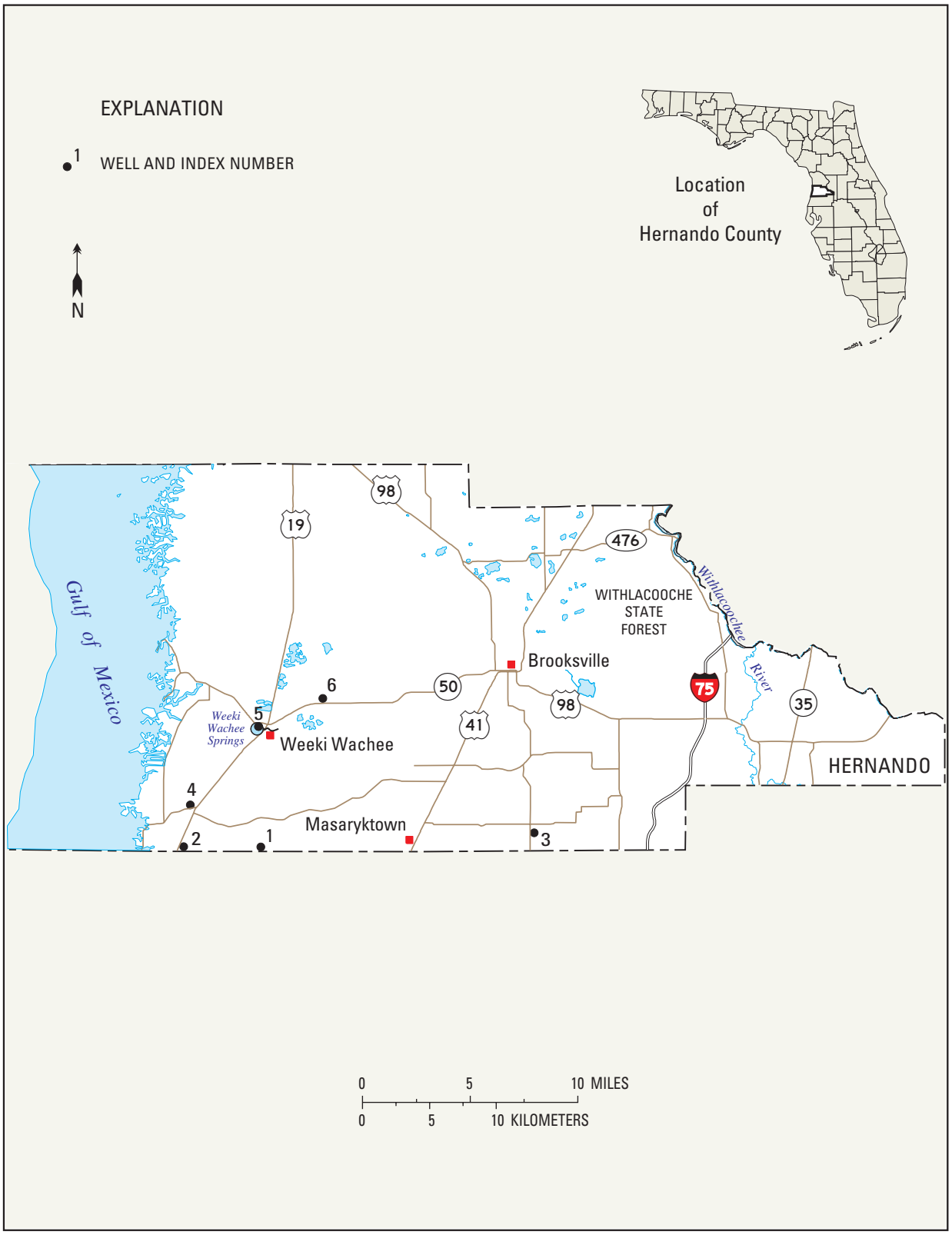


Figure 15.-- Location of wells in Hernando County.

KEY TO SITE LOCATIONS ON FIGURE 15

HERNANDO COUNTY

INDEX NUMBER	SITE NUMBER
1	282605082345801
2	282613082381701
2	282613082381702
2	282613082381703
3	282636082221401
4	282742082375901
5	283201082315601
6	283650082313301

HERNANDO COUNTY

WELL NUMBER.--282605082345801. ROMP 97 Deep Well near Aripeka, FL.

LOCATION.--Lat 28° 26'05", long 82° 34'58" (1927 North American datum), in SW 1/4 SW 1/4 sec.35, T.23 S., R.17 E., Hydrologic Unit 03100207, 300 ft north of State Highway 578, 3.5 mi east of U. S. Highway 19, and 5.0 mi east of Aripeka.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 355 ft, cased to 310 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 32.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.74 ft above land-surface datum.

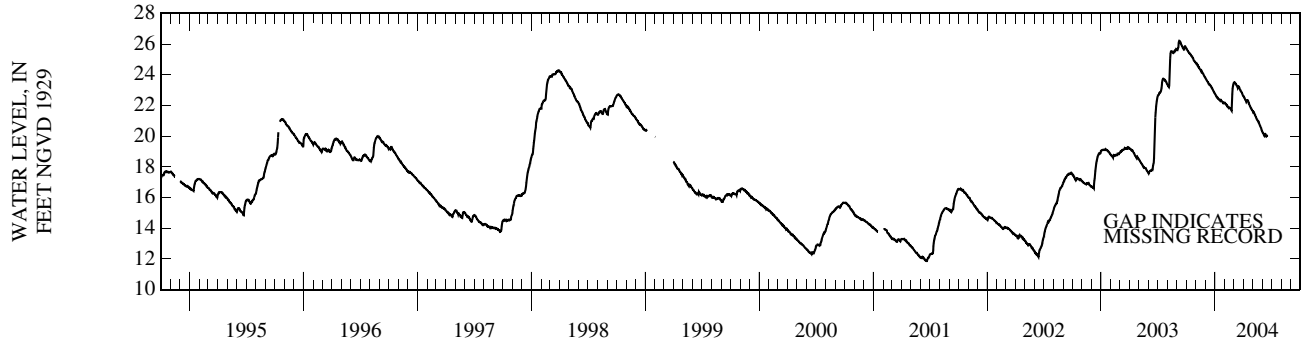
PERIOD OF RECORD.--June 1979 to June 2004 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 26.21 ft NGVD, Sept. 8, 2003; lowest, 11.88 ft NGVD, June 21, 2001.

ELEVATION ABOVE NGVD 1929, FEET
PERIOD OCTOBER 2003 TO JUNE 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.70	24.75	23.80	22.74	22.18	23.48	22.60	21.62	20.28	---	---	---
2	25.68	24.72	23.76	22.71	22.15	23.50	22.59	21.56	20.22	---	---	---
3	25.64	24.73	23.72	22.68	22.13	23.48	22.54	21.58	20.21	---	---	---
4	25.61	24.68	23.69	22.64	22.09	23.49	22.50	21.55	20.18	---	---	---
5	25.58	24.63	23.66	22.61	22.07	23.48	22.47	21.51	20.10	---	---	---
6	25.55	24.64	23.61	22.56	22.06	23.44	22.40	21.47	20.04	---	---	---
7	25.50	24.61	23.57	22.52	22.03	23.40	22.36	21.42	20.01	---	---	---
8	25.48	24.54	23.54	22.52	21.97	23.39	22.34	21.37	20.05	---	---	---
9	25.45	24.49	23.51	22.51	21.98	23.36	22.28	21.34	20.12	---	---	---
10	25.43	24.49	23.50	22.49	21.95	23.32	22.22	21.28	20.13	---	---	---
11	25.39	24.44	23.44	22.43	21.91	23.28	22.25	21.26	20.09	---	---	---
12	25.38	24.41	23.40	22.43	21.87	23.25	22.34	21.19	20.03	---	---	---
13	25.36	24.38	23.37	22.41	21.84	23.22	22.34	21.15	19.99	---	---	---
14	25.34	24.35	23.38	22.38	21.88	23.14	22.34	21.10	20.01	---	---	---
15	25.29	24.32	23.35	22.36	21.88	23.18	22.32	21.05	20.02	---	---	---
16	25.25	24.29	23.32	22.34	21.84	23.24	22.28	21.02	19.98	---	---	---
17	25.24	24.24	23.30	22.31	21.82	23.23	22.22	21.00	19.97	---	---	---
18	25.22	24.20	23.26	22.38	21.81	23.18	22.13	20.99	---	---	---	---
19	25.18	24.24	23.24	22.38	21.80	23.14	22.11	20.91	---	---	---	---
20	25.13	24.19	23.20	22.34	21.78	23.08	22.07	20.90	---	---	---	---
21	25.12	24.16	23.16	22.31	21.75	23.03	22.00	20.85	---	---	---	---
22	25.10	24.12	23.13	22.29	21.69	22.99	21.96	20.78	---	---	---	---
23	25.06	24.08	23.10	22.27	21.66	22.94	21.93	20.72	---	---	---	---
24	24.99	24.05	23.06	22.24	22.22	22.91	21.88	20.69	---	---	---	---
25	24.93	24.02	23.02	22.21	22.74	22.89	21.82	20.65	---	---	---	---
26	24.90	23.95	22.98	22.17	23.08	22.86	21.80	20.57	---	---	---	---
27	24.88	23.92	22.93	22.18	23.24	22.82	21.76	20.54	---	---	---	---
28	24.86	23.89	22.90	22.15	23.34	22.76	21.70	20.50	---	---	---	---
29	24.85	23.85	22.86	22.16	23.43	22.73	21.68	20.42	---	---	---	---
30	24.80	23.82	22.83	22.16	---	22.68	21.66	20.36	---	---	---	---
31	24.77	---	22.78	22.16	---	22.63	---	20.33	---	---	---	---
MAX	25.70	24.75	23.80	22.74	23.43	23.50	22.60	21.62	---	---	---	---

CAL YR 2003 MAX 26.21



WELL NUMBER.--282613082381701. ROMP TR 18-3 FLRD Well near Aripeka, FL.

LOCATION.--Lat 28° 26'13", long 82° 38'17" (1927 North American datum), in SW 1/4 SE 1/4 sec.31, T.23 S., R.17 E., Hydrologic Unit 03100207, 300 ft east of U. S. Highway 19, and 1.7 mi northeast of Aripeka.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 16 in., depth 378 ft, cased to 58 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 20.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 0.80 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

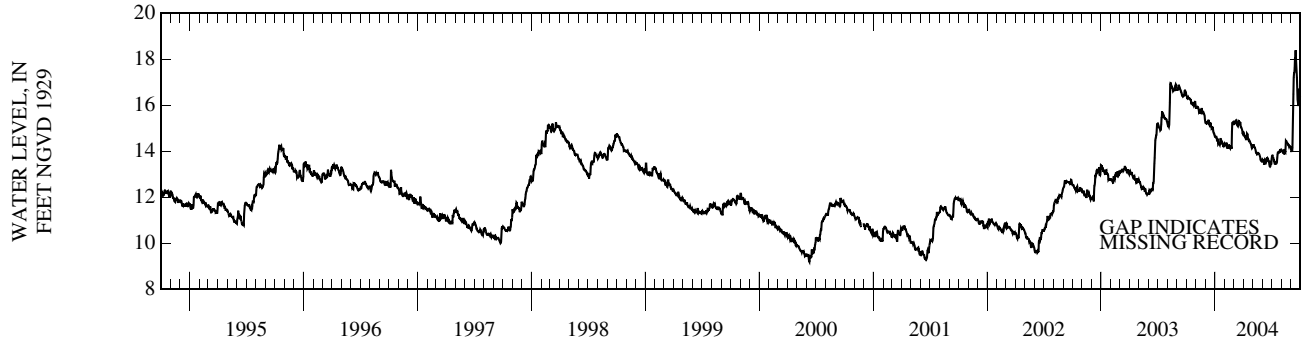
PERIOD OF RECORD.--October 1987 to current year. Prior to October 1988, published as ROMP TR 18-3 Lower Avon Park Well near Aripeka.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.38 ft NGVD, Sept. 15, 2004; lowest, 9.20 ft NGVD, June 9, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.42	15.90	15.25	14.62	14.32	15.23	14.82	14.19	13.62	13.77	14.06	14.06
2	16.39	15.85	15.22	14.62	14.30	15.21	14.72	14.24	13.58	13.80	14.03	14.09
3	16.33	15.91	15.21	14.61	14.30	15.25	14.72	14.30	13.59	13.81	14.00	14.03
4	16.34	15.92	15.27	14.63	14.29	15.28	14.68	14.19	13.56	13.77	13.98	13.97
5	16.30	15.91	15.27	14.63	14.30	15.30	14.65	14.18	13.56	13.73	13.97	14.15
6	16.31	15.92	15.26	14.59	14.32	15.32	14.60	14.18	13.48	13.65	13.99	15.54
7	16.34	15.91	15.22	14.43	14.37	15.28	14.61	14.17	13.41	13.60	13.90	16.10
8	16.30	15.87	15.23	14.46	14.16	15.30	14.63	14.15	13.52	13.59	13.94	16.48
9	16.30	15.82	15.25	14.51	14.17	15.25	14.55	14.10	13.64	13.52	13.89	17.19
10	16.30	15.71	15.33	14.51	14.18	15.18	14.48	14.05	13.63	13.47	13.89	17.38
11	16.28	15.73	15.33	14.31	14.16	15.17	14.58	13.95	13.62	13.47	13.91	17.41
12	16.28	15.77	15.21	14.33	14.15	15.17	14.77	13.93	13.58	13.46	13.99	17.62
13	16.27	15.80	15.18	14.33	14.11	15.11	14.75	13.92	13.54	13.49	13.97	18.05
14	16.23	15.64	15.27	14.34	14.29	15.09	14.73	13.88	13.58	13.46	14.31	18.02
15	16.23	15.70	15.14	14.31	14.24	15.15	14.56	13.89	13.73	13.46	14.45	18.38
16	16.11	15.68	15.13	14.28	14.19	15.32	14.53	13.87	13.68	13.47	14.43	18.02
17	16.12	15.62	15.24	14.36	14.14	15.31	14.49	13.88	13.69	13.51	14.43	17.78
18	16.11	15.68	15.10	14.53	14.12	15.25	14.47	13.92	13.66	13.71	14.40	17.53
19	16.05	15.88	15.08	14.53	14.16	15.25	14.49	13.91	13.63	13.86	14.36	17.21
20	16.03	15.70	15.06	14.48	14.20	15.21	14.47	13.90	13.61	13.95	14.33	16.67
21	16.06	15.66	14.98	14.39	14.21	15.24	14.45	13.87	13.58	13.96	14.30	16.24
22	16.06	15.67	15.00	14.42	14.18	15.23	14.41	13.86	13.52	13.96	14.31	16.15
23	16.07	15.68	15.02	14.38	14.11	15.05	14.37	13.81	13.42	13.96	14.29	16.09
24	16.02	15.70	15.06	14.34	14.86	15.04	14.34	13.76	13.34	13.96	14.24	16.01
25	15.98	15.68	14.98	14.33	15.23	15.03	14.31	13.68	13.33	13.99	14.19	15.96
26	16.02	15.63	14.87	14.29	15.25	15.00	14.26	13.61	13.35	13.97	14.23	16.68
27	16.06	15.60	14.80	14.35	15.17	14.95	14.18	13.60	13.47	13.98	14.22	16.69
28	16.14	15.56	14.78	14.19	15.17	14.90	14.13	13.61	13.44	13.98	14.20	16.38
29	16.18	15.38	14.76	14.24	15.18	14.79	14.15	13.58	13.45	14.05	14.19	16.35
30	16.02	15.29	14.70	14.22	---	14.76	14.19	13.60	13.65	14.05	14.17	16.38
31	15.90	---	14.65	14.22	---	14.83	---	13.59	---	14.07	14.12	---
MAX	16.42	15.92	15.33	14.63	15.25	15.32	14.82	14.30	13.73	14.07	14.45	18.38

CAL YR 2003 MAX 16.96
WTR YR 2004 MAX 18.38



WELL NUMBER.--282613082381702. ROMP TR 18-3 Upper Avon Park Well near Aripeka, FL.

LOCATION.--Lat 28° 26'13", long 82° 38'17" (1927 North American datum), in SW 1/4 SE 1/4 sec.31, T.23 S., R.17 E., Hydrologic Unit 03100207, 300 ft east of U. S. Highway 19, and 1.7 mi northeast of Aripeka.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in. reduced to 3 in. below 20 ft, depth 510 ft, cased to 480 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 20.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.77 ft above land-surface datum.

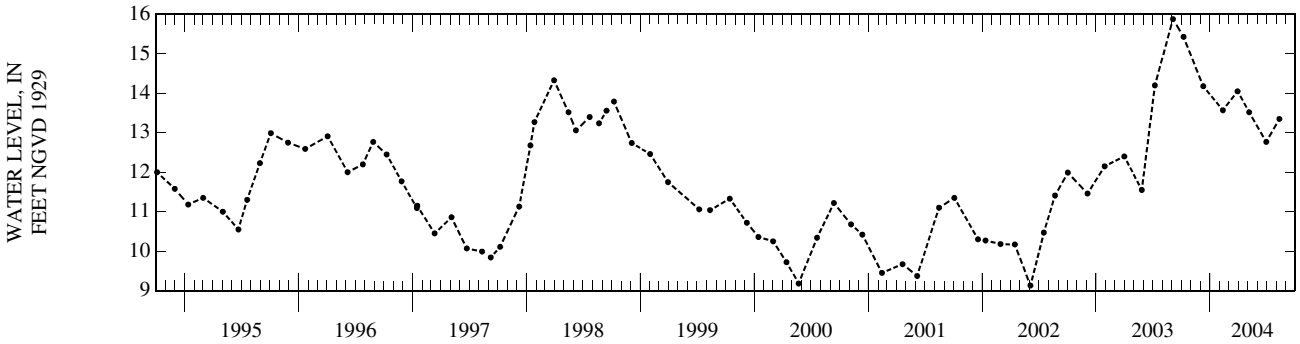
PERIOD OF RECORD.--April 1988 to current year (periodic). The figures of water level as elevation, in feet NGVD, Oct. 1, 1996, to Sept. 30, 1997, are in error. Correct elevations may be obtained by using datum correction of -0.17 ft.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.88 ft NGVD, Sept. 4, 2003; lowest measured, 9.00 ft NGVD, June 7, 1991.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	15.43	FEB 11	13.57	MAY 05	13.52	AUG 10	13.35
DEC 10	14.18	MAR 29	14.05	JUN 29	12.77		

WATER YEAR 2004 LOWEST 12.77 JUN 29, 2004 HIGHEST 15.43 OCT 08, 2003



WELL NUMBER.--282613082381703. ROMP TR 18-3 NRSD Well near Aripeka, FL.

LOCATION.--Lat 28° 26'13", long 82° 38'17" (1927 North American datum), in SW 1/4 SE 1/4 sec.31, T.23 S., R.17 E., Hydrologic Unit 03100207, 300 ft east of U. S. Highway 19, and 1.7 mi northeast of Aripeka.

AQUIFER.--Surficial aquifer system of Quaternary Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-level well, diameter 6 in., depth 10 ft, cased to 7 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

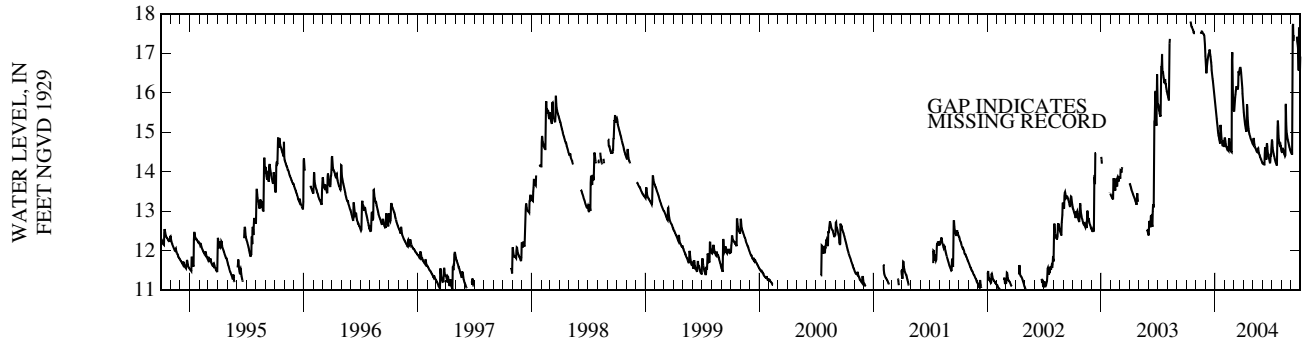
DATUM.--Land-surface datum is 20.88 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of male adaptor, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.81 ft NGVD, Oct. 14, 2003; well dry at times most years.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	16.94	15.71	14.87	15.56	15.63	14.70	14.22	14.82	14.52	14.53
2	---	---	16.78	15.63	14.84	15.53	15.51	14.69	14.21	14.76	14.51	14.54
3	---	---	16.63	15.56	14.78	15.67	15.42	14.86	14.20	14.62	14.48	14.48
4	---	---	16.50	15.49	14.71	15.79	15.34	14.84	14.20	14.55	14.59	14.44
5	---	---	16.61	15.41	14.67	15.89	15.27	14.73	14.20	14.51	14.59	15.03
6	---	---	16.69	15.34	14.64	15.96	15.20	14.68	14.19	14.48	14.53	17.70
7	---	---	16.77	15.25	14.63	16.05	15.15	14.65	14.19	14.45	14.57	17.75
8	---	---	16.84	15.18	14.59	16.10	15.10	14.63	14.47	14.42	14.53	17.32
9	---	---	16.89	15.11	14.57	16.15	15.06	14.61	14.62	14.39	14.46	17.47
10	---	---	16.94	15.05	14.55	16.15	15.02	14.60	14.55	14.34	14.44	---
11	---	---	16.99	14.98	14.55	16.14	15.13	14.57	14.43	14.31	14.43	---
12	---	---	17.00	14.93	14.55	16.14	15.72	14.55	14.36	14.28	14.40	---
13	---	---	17.00	14.89	14.54	16.13	15.64	14.53	14.31	14.25	14.42	---
14	17.81	---	17.10	14.84	14.81	16.09	15.38	14.51	14.66	14.25	15.70	---
15	17.78	17.54	17.05	14.80	14.85	16.19	15.25	14.50	14.73	14.21	15.70	---
16	17.72	17.53	16.98	14.76	14.75	16.55	15.15	14.52	14.64	14.18	15.24	---
17	17.68	17.52	16.92	14.72	14.66	16.52	15.09	14.59	14.55	14.18	15.05	---
18	17.67	17.52	16.84	15.19	14.61	16.51	15.04	14.60	14.49	14.77	14.96	---
19	17.66	17.56	16.77	15.15	14.57	16.57	15.00	14.53	14.44	15.13	14.91	17.43
20	17.64	17.56	16.68	15.00	14.55	16.62	14.96	14.48	14.40	15.30	14.85	17.30
21	17.62	17.55	16.58	14.88	14.53	16.64	14.94	14.46	14.37	15.16	14.81	17.24
22	17.60	17.53	16.50	14.80	14.51	16.64	14.91	14.44	14.34	14.92	14.78	17.18
23	17.59	17.51	16.43	14.74	14.50	16.60	14.88	14.41	14.30	14.81	14.75	17.04
24	17.53	17.50	16.36	14.69	16.84	16.53	14.85	14.38	14.26	14.75	14.71	16.81
25	17.52	17.49	16.30	14.67	17.03	16.44	14.83	14.37	14.22	14.75	14.67	16.57
26	17.54	17.48	16.22	14.65	16.30	16.34	14.81	14.34	14.28	14.70	14.63	17.64
27	17.54	17.46	16.14	14.81	15.95	16.22	14.79	14.32	14.46	14.66	14.61	17.64
28	17.54	17.36	16.06	14.77	15.75	16.11	14.77	14.31	14.39	14.65	14.57	16.72
29	---	17.24	15.97	14.66	15.64	15.98	14.74	14.29	14.58	14.67	14.55	16.57
30	---	17.06	15.89	14.63	---	15.86	14.72	14.27	14.69	14.61	14.52	16.92
31	---	---	15.79	14.72	---	15.73	---	14.24	---	14.56	14.50	---
MAX	---	---	17.10	15.71	17.03	16.64	15.72	14.86	14.73	15.30	15.70	---



WELL NUMBER.--282636082221401. Weeki Well 11 near Masaryktown, FL.

LOCATION.--Lat 28° 26'36", long 82° 22'14" (1927 North American datum), in SW 1/4 NW 1/4 sec.36, T.23 S., R.19 E., Hydrologic Unit 03100207, 5 ft east of State Highway 581, and 5.3 mi east of Masaryktown.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 69 ft, cased to 68 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

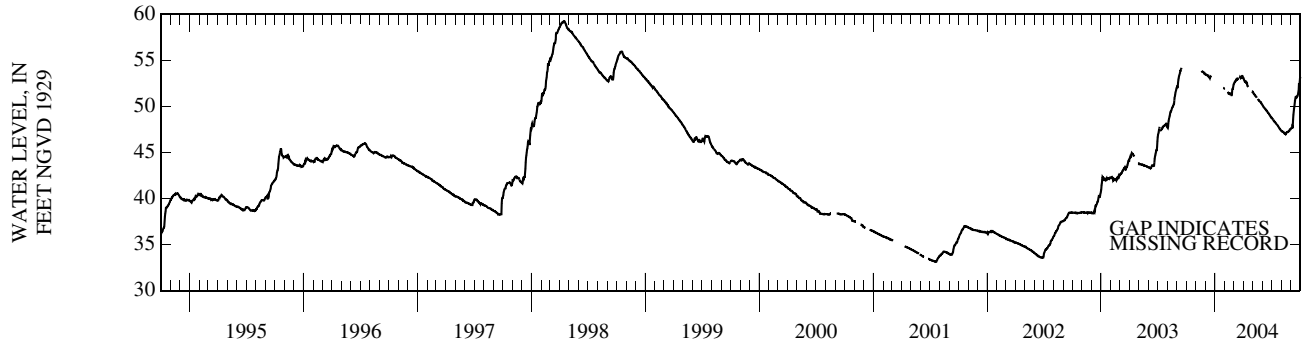
DATUM.--Land-surface datum is 101.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January to December 1967 (periodic); January 1968 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 59.26 ft NGVD, Apr. 15, 1998; lowest, 33.13 ft NGVD, July 20, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	53.49	---	51.97	52.44	53.09	51.56	50.15	48.72	47.32	47.67
2	---	---	53.47	---	---	52.51	52.95	51.49	50.10	48.68	47.31	47.67
3	---	---	53.47	---	---	52.58	52.88	51.45	50.03	48.66	47.28	47.63
4	---	---	53.47	---	---	52.68	52.82	51.38	49.96	48.63	47.26	47.59
5	---	---	53.42	---	---	52.70	52.76	51.35	49.92	48.55	47.25	47.90
6	---	---	53.38	---	---	52.73	52.69	51.29	49.87	48.50	47.25	47.86
7	---	---	53.37	---	---	52.81	52.69	51.25	49.84	48.46	47.23	48.57
8	---	---	53.37	---	---	52.84	52.64	51.22	49.80	48.43	47.18	49.09
9	---	---	53.37	---	---	52.94	52.57	51.18	49.75	48.40	47.10	49.44
10	---	---	53.37	---	51.58	52.93	52.53	51.11	49.70	48.31	47.07	49.75
11	---	---	53.24	---	51.55	52.92	52.61	51.08	49.66	48.29	47.07	49.98
12	---	---	53.18	---	51.48	52.99	52.54	51.03	49.63	48.24	47.06	50.27
13	---	---	53.16	---	51.41	52.96	52.25	51.00	49.57	48.23	47.03	50.62
14	---	---	53.16	---	51.40	53.00	52.20	50.96	49.55	48.19	46.98	50.84
15	---	---	53.10	---	51.40	53.07	52.18	---	49.50	48.11	47.00	51.02
16	---	---	53.23	---	51.37	53.13	52.10	---	49.46	48.08	47.06	51.04
17	---	---	53.26	---	51.43	---	---	50.81	49.42	48.03	47.14	50.96
18	---	---	53.20	---	51.41	---	---	50.74	49.36	48.01	47.22	50.96
19	---	53.87	53.19	---	51.39	---	---	50.71	49.31	47.96	47.22	51.03
20	---	53.79	---	---	51.36	53.10	---	50.66	49.29	47.91	47.26	51.09
21	---	53.78	---	---	51.33	53.20	---	50.64	49.24	47.84	47.26	51.15
22	---	53.77	---	---	51.24	53.14	---	50.61	49.19	47.80	47.24	51.29
23	---	53.75	---	---	51.23	53.08	---	50.54	49.12	47.75	47.28	51.42
24	---	53.75	---	---	51.41	53.11	---	50.50	49.06	47.69	47.30	51.54
25	---	53.72	---	---	51.85	53.11	---	50.47	49.02	47.63	47.32	51.75
26	---	53.65	---	---	51.93	53.26	---	50.44	48.96	47.61	47.35	52.53
27	---	53.59	---	---	51.92	53.31	---	50.42	48.91	47.54	47.44	52.16
28	---	53.62	---	---	52.14	53.31	51.63	50.41	48.84	47.51	47.52	52.62
29	---	53.51	---	51.87	52.36	53.28	51.60	50.30	48.83	47.46	47.54	53.00
30	---	53.49	---	51.96	---	53.24	51.61	50.25	48.78	47.42	47.54	53.21
31	---	---	---	51.94	---	53.15	---	50.21	---	47.38	47.62	---
MAX	---	---	---	---	---	---	---	---	50.15	48.72	47.62	53.21



WELL NUMBER.--282742082375901. ROMP TR 18-1 Deep Well near Aripeka, FL.

LOCATION.--Lat 28° 27'42", long 82° 37'59" (1927 North American datum), in NW 1/4 NW 1/4 sec.29, T.23 S., R.17 E., Hydrologic Unit 03100207, 100 ft south of State Highway 595, 0.7 mi west of U. S. Highway 19, and 3.2 mi northeast of Aripeka.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 580 ft, cased to 445 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 15.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.88 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

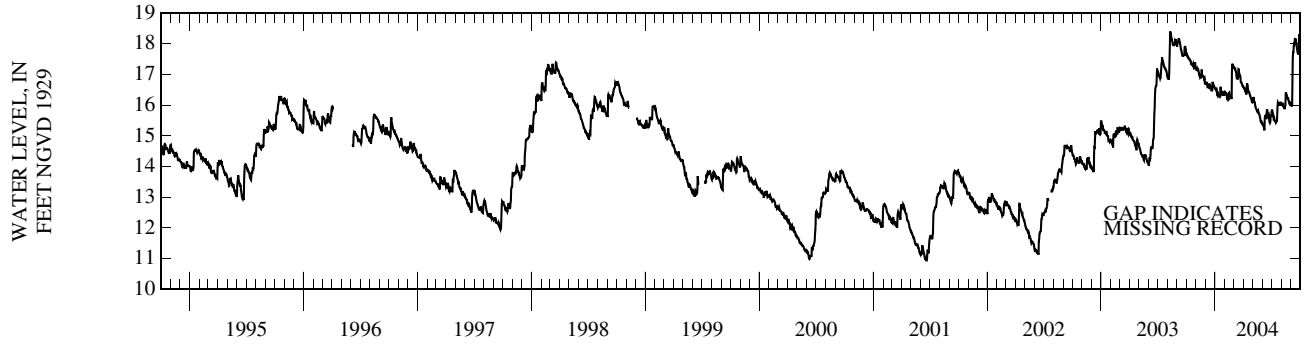
PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.40 ft NGVD, Aug. 10, 2003; lowest, 10.96 ft NGVD, June 18, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.68	17.17	16.69	16.54	16.47	17.24	16.61	16.10	15.40	15.85	16.04	16.02
2	17.64	17.16	16.69	16.54	16.43	17.21	16.57	16.12	15.36	15.82	16.03	16.05
3	17.61	17.15	16.69	16.51	16.40	17.20	16.55	16.27	15.34	15.77	16.00	15.99
4	17.60	17.18	16.73	16.52	16.39	17.20	16.54	16.16	15.32	15.73	15.99	15.96
5	17.57	17.14	16.76	16.53	16.37	17.20	16.50	16.12	15.30	15.67	16.05	16.37
6	17.59	17.19	16.68	16.46	16.40	17.12	16.48	16.11	15.22	15.59	16.05	17.52
7	17.57	17.18	16.63	16.36	16.35	17.10	16.45	16.09	15.18	15.60	15.96	17.72
8	17.55	17.13	16.65	16.37	16.23	17.08	16.48	16.02	15.57	15.61	15.95	17.72
9	17.52	17.09	16.63	16.44	16.24	17.02	16.41	15.98	15.65	15.53	15.91	17.91
10	17.50	17.02	16.69	16.39	16.25	16.93	16.35	15.93	15.66	15.48	15.91	17.99
11	17.48	17.00	16.66	16.29	16.22	16.95	16.56	15.89	15.64	15.47	15.87	17.98
12	17.49	17.02	16.58	16.30	16.17	16.92	16.71	15.87	15.60	15.47	15.94	18.09
13	17.48	17.01	16.57	16.30	16.18	16.87	16.68	15.86	15.59	15.47	15.98	18.19
14	17.45	16.92	16.70	16.29	16.40	16.84	16.66	15.82	15.76	15.43	16.36	18.13
15	17.41	16.94	16.61	16.28	16.41	16.96	16.52	15.80	15.87	15.45	16.42	18.16
16	17.31	16.93	16.62	16.27	16.32	17.17	16.49	15.81	15.82	15.49	16.39	18.08
17	17.34	16.91	16.65	16.31	16.27	17.16	16.43	15.79	15.79	15.46	16.36	18.01
18	17.32	16.93	16.57	16.57	16.25	17.03	16.40	15.81	15.75	15.74	16.31	17.97
19	17.31	17.16	16.57	16.57	16.21	17.01	16.44	15.76	15.70	15.96	16.27	17.87
20	17.30	17.01	16.53	16.49	16.27	16.96	16.40	15.74	15.65	16.09	16.24	17.79
21	17.33	16.95	16.45	16.45	16.25	16.96	16.34	15.71	15.67	16.07	16.22	17.73
22	17.35	16.94	16.50	16.42	16.23	16.91	16.33	15.69	15.56	16.05	16.22	17.69
23	17.29	16.94	16.50	16.40	16.20	16.76	16.28	15.63	15.48	16.03	16.17	17.67
24	17.25	16.94	16.76	16.35	17.14	16.75	16.26	15.60	15.45	16.02	16.14	17.67
25	17.21	16.91	16.72	16.36	17.35	16.75	16.22	15.52	15.42	16.03	16.09	17.68
26	17.22	16.87	16.67	16.33	17.33	16.72	16.20	15.47	15.45	16.02	16.11	18.19
27	17.26	16.84	16.62	16.44	17.28	16.69	16.16	15.47	15.68	16.02	16.10	18.31
28	17.34	16.86	16.63	16.35	17.23	16.66	16.10	15.47	15.65	16.02	16.09	18.19
29	17.39	16.71	16.61	16.33	17.23	16.63	16.09	15.42	15.62	16.11	16.02	18.12
30	17.22	16.69	16.59	16.33	---	16.61	16.11	15.41	15.78	16.07	16.03	18.10
31	17.17	---	16.56	16.41	---	16.62	---	15.42	---	16.03	15.97	---
MAX	17.68	17.19	16.76	16.57	17.35	17.24	16.71	16.27	15.87	16.11	16.42	18.31

CAL YR 2003 MAX 18.40
WTR YR 2004 MAX 18.31



WELL NUMBER.--283201082315601. Weeki Wachee Well near Weeki Wachee, FL.

LOCATION.--Lat 28° 32'01", long 82° 31'56" (1927 North American datum), in SW 1/4 SW 1/4 sec.29, T.22 S., R.18 E., Hydrologic Unit 03100207, 25 ft north of State Highway 50, and 2.6 mi east of Weeki Wachee.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 259 ft, cased to 176 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 36.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.19 ft above land-surface datum.

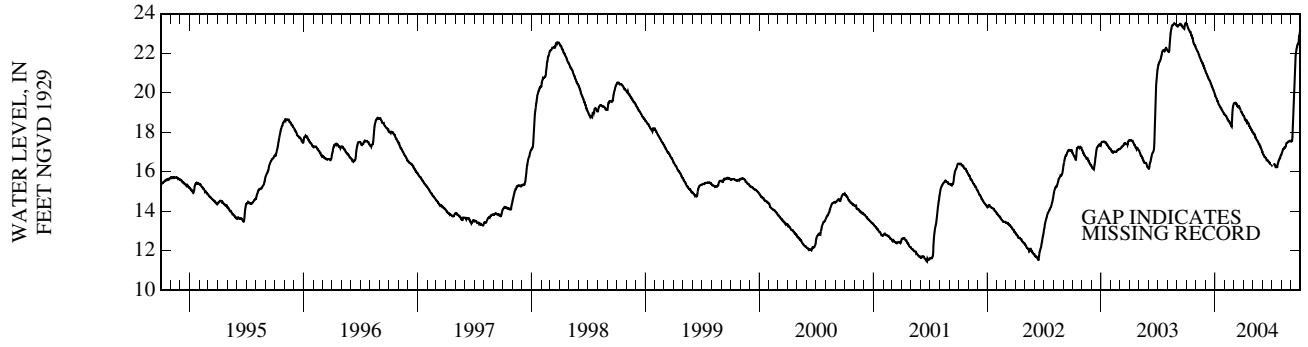
PERIOD OF RECORD.--August 1966 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.91 ft NGVD, Aug. 27, 28, 1984; lowest, 11.49 ft NGVD, June 19, 22, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.49	22.25	21.10	19.85	18.88	19.45	18.83	17.99	17.00	16.33	16.89	17.53
2	23.48	22.21	21.07	19.84	18.88	19.47	18.81	17.94	16.92	16.34	16.94	17.57
3	23.46	22.19	21.00	19.80	18.86	19.47	18.80	17.92	16.87	---	16.98	17.57
4	23.41	22.15	20.97	19.76	18.83	19.48	18.75	17.93	16.86	---	17.04	17.57
5	23.36	22.09	20.96	19.71	18.81	19.49	18.68	17.93	16.85	---	17.11	17.76
6	23.31	22.07	20.93	19.69	18.80	19.49	18.64	17.88	16.81	16.38	17.15	18.24
7	23.28	22.07	20.85	19.59	18.78	19.46	18.63	17.87	16.74	16.38	17.15	19.11
8	23.22	22.02	20.83	19.56	18.72	19.46	18.60	17.78	16.73	16.38	17.15	19.74
9	23.19	21.97	20.80	19.56	18.68	19.44	18.58	17.78	16.72	16.37	17.18	20.24
10	23.16	21.93	20.74	19.56	18.67	19.43	18.57	17.71	16.70	16.37	17.21	20.63
11	23.14	21.90	20.71	19.48	18.62	19.36	18.52	17.71	16.69	16.33	17.20	20.95
12	23.08	21.84	20.68	19.43	18.58	19.36	18.56	17.66	16.69	16.26	17.22	21.23
13	23.07	21.80	20.65	19.41	18.57	19.34	18.52	17.62	16.62	16.26	17.25	21.47
14	23.07	21.77	20.62	19.38	18.55	19.27	18.51	17.60	16.57	16.25	17.27	21.68
15	22.99	21.74	20.61	19.35	18.55	19.26	18.47	17.57	16.57	16.22	17.32	21.88
16	22.90	21.68	20.57	19.33	18.53	19.33	18.44	17.54	16.57	16.23	17.39	21.99
17	22.90	21.63	20.53	19.28	18.48	19.33	18.44	17.52	16.57	16.23	17.44	22.12
18	22.90	21.62	20.45	19.25	18.44	19.29	18.40	17.51	16.57	16.23	17.45	22.22
19	22.80	21.58	20.45	19.25	18.41	19.26	18.32	17.46	16.55	16.35	17.46	22.28
20	22.76	21.55	20.40	19.23	18.41	19.23	18.32	17.39	16.52	16.42	17.47	22.38
21	22.76	21.49	20.34	19.16	18.40	19.19	18.29	17.39	16.49	16.45	17.48	22.43
22	22.62	21.49	20.31	19.14	18.31	19.15	18.23	17.39	16.49	16.52	17.50	22.44
23	22.59	21.43	20.30	19.12	18.28	19.10	18.23	17.34	16.45	16.56	17.52	22.48
24	22.54	21.37	20.26	19.09	18.52	19.06	18.20	17.28	16.44	16.60	17.52	22.51
25	22.47	21.37	20.21	19.06	18.88	19.01	18.18	17.28	16.39	16.62	17.53	22.55
26	22.44	21.31	20.17	19.03	19.12	19.01	18.12	17.22	16.39	16.68	17.54	22.85
27	22.42	21.24	20.11	19.00	19.26	18.99	18.12	17.18	---	16.70	17.55	22.86
28	22.40	21.23	20.07	18.98	19.34	18.95	18.07	17.17	---	16.71	17.56	22.98
29	22.39	21.18	20.03	18.93	19.40	18.91	18.02	17.13	16.27	16.79	17.56	23.10
30	22.32	21.14	19.99	18.93	---	18.89	18.02	17.07	16.28	16.84	17.54	23.16
31	22.29	---	19.93	18.91	---	18.85	---	17.01	---	16.85	17.54	---
MAX	23.49	22.25	21.10	19.85	19.40	19.49	18.83	17.99	---	---	17.56	23.16

CAL YR 2003 MAX 23.53



WELL NUMBER.--283650082313301. ROMP Centralia Deep Well near Weeki Wachee Springs, FL.

LOCATION.--Lat 28° 36'50", long 82° 31'33" (1927 North American datum), in SE 1/4 NW 1/4 sec.32, T.21 S., R.18 E., Hydrologic Unit 03100207, 1.5 mi east of intersection U. S. Highway 19 and State Highway 476, and 7.0 mi north of town of Weeki Wachee Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 170 ft, cased to 122 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 39.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.29 ft above land-surface datum.

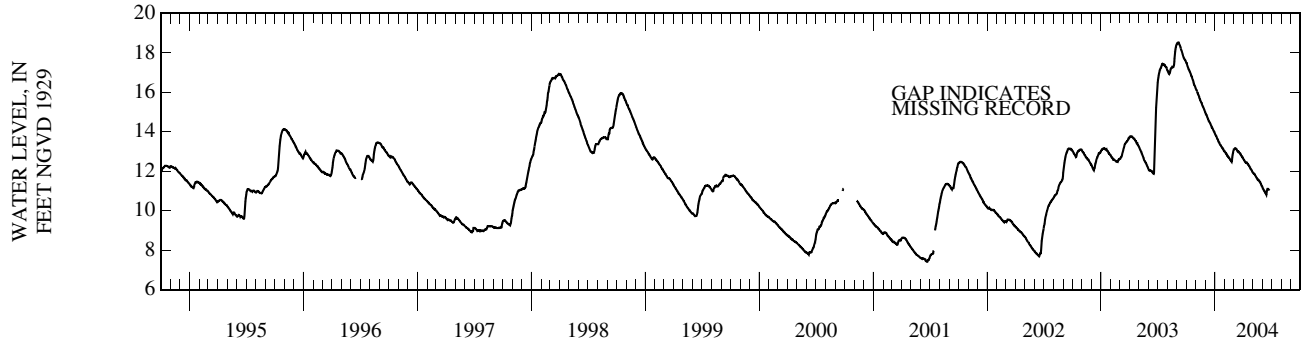
PERIOD OF RECORD.--December 1982 to June 2004 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.53 ft NGVD, Sept. 5, 6, 2003; lowest, 7.42 ft NGVD, June 23, 2001.

ELEVATION ABOVE NGVD 1929, FEET
PERIOD OCTOBER 2003 TO JUNE 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.48	16.16	14.97	13.88	13.01	13.09	12.62	11.94	11.20	---	---	---
2	17.47	16.12	14.92	13.85	12.98	13.12	12.59	11.90	11.15	---	---	---
3	17.42	16.10	14.89	13.82	12.95	13.14	12.57	11.89	11.11	---	---	---
4	17.37	16.05	14.87	13.80	12.93	13.16	12.55	11.89	11.08	---	---	---
5	17.32	16.01	14.84	13.78	12.90	13.16	12.51	11.87	11.05	---	---	---
6	17.28	15.94	14.80	13.73	12.89	13.15	12.48	11.86	11.02	---	---	---
7	17.24	15.93	14.74	13.67	12.86	13.15	12.46	11.83	11.00	---	---	---
8	17.19	15.88	14.72	13.64	12.82	13.14	12.44	11.82	10.97	---	---	---
9	17.15	15.85	14.66	13.62	12.79	13.13	12.44	11.78	10.93	---	---	---
10	17.12	15.80	14.64	13.61	12.79	13.12	12.42	11.76	10.92	---	---	---
11	17.09	15.76	14.58	13.54	12.75	13.06	12.42	11.73	10.88	---	---	---
12	17.04	15.71	14.54	13.51	12.73	13.05	12.43	11.70	10.85	---	---	---
13	17.01	15.68	14.52	13.48	12.70	13.03	12.41	11.67	10.82	---	---	---
14	16.97	15.62	14.50	13.46	12.69	12.99	12.37	11.65	10.94	---	---	---
15	16.93	15.59	14.46	13.43	12.68	12.97	12.35	11.62	11.03	---	---	---
16	16.85	15.55	14.43	13.39	12.64	13.00	12.34	11.59	11.09	---	---	---
17	16.82	15.50	14.41	13.35	12.62	12.99	12.32	11.56	11.11	---	---	---
18	16.80	15.48	14.35	13.33	12.59	12.96	12.30	11.57	11.11	---	---	---
19	16.74	15.46	14.34	13.32	12.57	12.93	12.28	11.56	11.11	---	---	---
20	16.69	15.39	14.29	13.28	12.56	12.92	12.26	11.54	11.09	---	---	---
21	16.64	15.35	14.24	13.25	12.54	12.90	12.22	11.52	11.07	---	---	---
22	16.61	15.31	14.21	13.23	12.50	12.89	12.19	11.50	11.05	---	---	---
23	16.58	15.28	14.20	13.21	12.48	12.83	12.15	11.47	11.03	---	---	---
24	16.50	15.25	14.18	13.18	12.55	12.81	12.13	11.44	---	---	---	---
25	16.43	15.21	14.14	13.17	12.71	12.79	12.10	11.43	---	---	---	---
26	16.38	15.17	14.10	13.14	12.82	12.77	12.07	11.38	---	---	---	---
27	16.36	15.12	14.06	13.11	12.91	12.74	12.06	11.35	---	---	---	---
28	16.33	15.09	14.03	13.08	12.99	12.73	12.03	11.33	---	---	---	---
29	16.30	15.03	14.00	13.04	13.05	12.70	11.98	11.29	---	---	---	---
30	16.24	15.00	13.97	13.03	---	12.67	11.96	11.25	---	---	---	---
31	16.20	---	13.93	13.01	---	12.64	---	11.23	---	---	---	---
MAX	17.48	16.16	14.97	13.88	13.05	13.16	12.62	11.94	---	---	---	---

CAL YR 2003 MAX 18.53



MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 2003 TO SEPTEMBER 2004

HERNANDO COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
282659082391104	ROMP TR 18-2 8IN UPPR AVON PARK WELL NR ARIPEKA FL	20040518	8.58	NGVD29
		20040921	9.51	NGVD29
283243082365701	ROMP TR 19-2 DEEP WELL NEAR BAYPORT FL	20040518	6.40	NGVD29
		20040920	4.89	NGVD29
283321082241601	ROMP DEEP 105 AT BROOKSVILLE FL	20040518	39.03	NGVD29
		20040920	41.84	NGVD29
283321082241602	ROMP 105 AT BROOKSVILLE FL	20040518	33.66	NGVD29
		20040920	42.48	NGVD29
283924082272301	ROMP DEEP WELL 107 NEAR BROOKSVILLE FL	20040518	12.62	NGVD29
		20040920	14.87	NGVD29

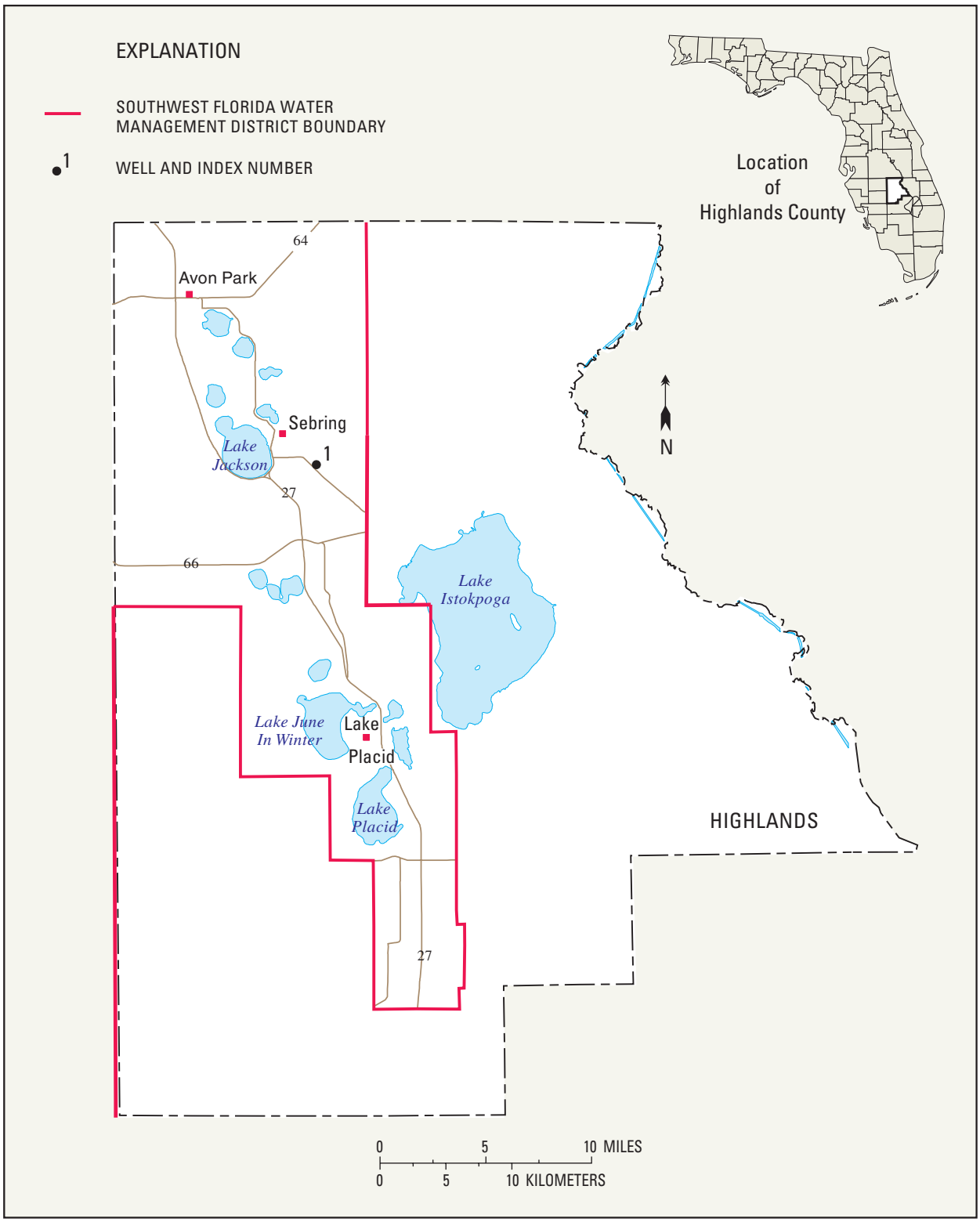


Figure 16.-- Location of wells in Highlands County.

KEY TO SITE LOCATIONS ON FIGURE 16

HIGHLANDS COUNTY

INDEX NUMBER	SITE NUMBER
1	272745081232601

HIGHLANDS COUNTY

WELL NUMBER.--272745081232601. Sebring 412-A NRSD Well near Sebring, FL.

LOCATION.--Lat 27° 27'45", long 81° 23'26" (1927 North American datum), in NW 1/4 SE 1/4 sec.2, T.35 S., R.29 E., Hydrologic Unit 03090101, on south side of State Highway 632, 0.9 mi east of State Highway 17, and 4.0 mi southeast of Sebring.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISICS.--Drilled, observation, nonartesian well, diameter 6 in., depth 60 ft, cased to 40 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 118.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.95 ft above land-surface datum.

REMARKS.--Record is equivalent to that for Sebring Well 412 near Sebring which was previously published as Observation Well H10 near Sebring.

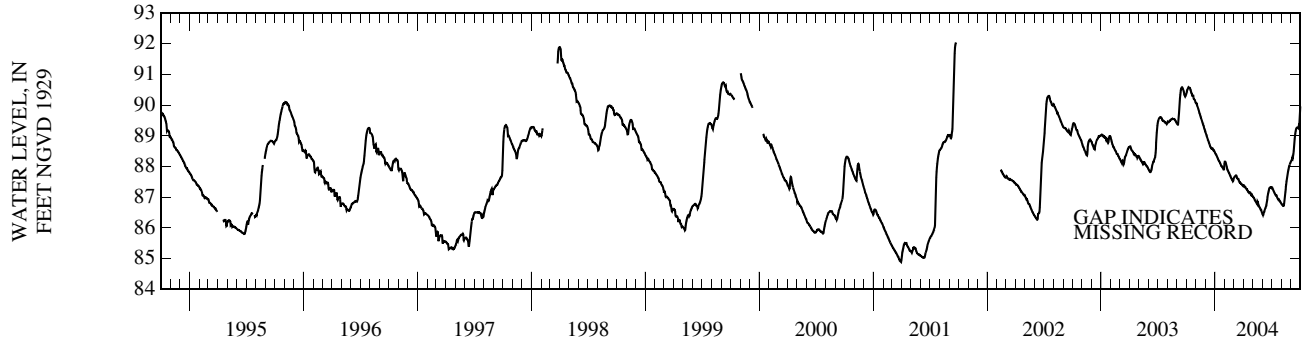
PERIOD OF RECORD.--March 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 92.01 ft NGVD, Sept. 21, 22, 2001; lowest, 83.99 ft NGVD, May 30, 1994.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90.38	90.06	89.13	88.44	88.16	87.61	87.39	87.02	86.45	87.32	86.78	88.19
2	90.43	90.05	89.10	88.42	88.16	87.64	87.39	87.01	86.45	87.32	86.77	88.20
3	90.46	90.05	89.07	88.41	88.16	87.66	87.38	86.99	86.42	87.29	86.75	88.22
4	90.50	90.00	89.04	88.39	88.13	87.68	87.36	86.98	86.45	87.26	86.74	88.26
5	90.51	89.97	89.00	88.37	88.08	87.69	87.35	86.96	86.49	87.24	86.73	88.30
6	90.54	89.94	88.97	88.35	88.04	87.70	87.33	86.94	86.52	87.21	86.74	88.28
7	90.56	89.91	88.94	88.32	88.01	87.71	87.33	86.92	86.55	87.20	86.73	88.34
8	90.58	89.88	88.91	88.30	87.95	87.71	87.31	86.90	86.58	87.18	86.73	88.41
9	90.57	89.84	88.88	88.28	87.91	87.71	87.29	86.88	86.61	87.16	86.79	88.51
10	90.56	89.81	88.85	88.27	87.89	87.69	87.27	86.86	86.64	87.13	86.88	88.64
11	90.56	89.78	88.82	88.24	87.87	87.64	87.26	86.85	86.67	87.11	86.98	88.78
12	90.56	89.75	88.78	88.21	87.85	87.63	87.26	86.85	86.70	87.09	87.07	88.90
13	90.53	89.72	88.75	88.19	87.82	87.61	87.24	86.81	86.75	87.08	87.17	89.00
14	90.49	89.68	88.73	88.18	87.80	87.59	87.21	86.79	86.81	87.06	87.25	89.08
15	90.47	89.65	88.69	88.16	87.79	87.59	87.20	86.77	86.87	87.06	87.34	89.15
16	90.42	89.61	88.66	88.14	87.75	87.59	87.18	86.86	86.93	87.06	87.42	89.20
17	90.39	89.58	88.65	88.12	87.73	87.56	87.17	86.84	87.00	87.02	87.51	89.23
18	90.38	89.55	88.62	88.09	87.71	87.53	87.16	86.78	87.06	86.99	87.58	89.26
19	90.32	89.52	88.61	88.07	87.69	87.50	87.14	86.75	87.12	86.97	87.65	89.27
20	90.30	89.49	88.59	88.04	87.67	87.48	87.16	86.73	87.17	86.95	87.72	89.27
21	90.30	89.45	88.58	88.02	87.65	87.48	87.16	86.70	87.21	86.94	87.79	89.27
22	90.31	89.42	88.58	88.01	87.63	87.47	87.16	86.69	87.26	86.92	87.85	89.26
23	90.31	89.38	88.59	87.99	87.60	87.45	87.16	86.66	87.30	86.93	87.90	89.25
24	90.24	89.35	88.59	87.97	87.58	87.44	87.13	86.64	87.31	86.93	87.95	89.24
25	90.20	89.33	88.56	87.96	87.57	87.44	87.09	86.62	87.32	86.89	88.00	89.29
26	90.19	89.28	88.55	87.95	87.55	87.42	87.10	86.59	87.33	86.88	88.02	89.36
27	90.18	89.24	88.53	87.93	87.52	87.41	87.10	86.59	87.33	86.87	88.06	89.37
28	90.17	89.22	88.53	87.91	87.54	87.40	87.06	86.58	87.32	86.85	88.09	89.54
29	90.14	89.18	88.51	87.88	87.58	87.39	87.06	86.55	87.31	86.84	88.12	89.75
30	90.11	89.16	88.49	87.95	---	87.37	87.05	86.51	87.30	86.82	88.14	89.96
31	90.08	---	88.47	88.09	---	87.36	---	86.48	---	86.80	88.16	---
MAX	90.58	90.06	89.13	88.44	88.16	87.71	87.39	87.02	87.33	87.32	88.16	89.96

CAL YR 2003 MAX 90.58
WTR YR 2004 MAX 90.58



HIGHLANDS COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
270858081211102	ROMP 14 ARCADIA WELL NEAR LAKE PLACID FL	20040525	110.93	NGVD29
		20040922	111.93	NGVD29
270858081211103	ROMP 14 NRSD HICORIA NEAR LAKE PLACID FL	20040525	139.02	NGVD29
		20040922	141.84	NGVD29
270858081211104	ROMP 14 SUWANNEE WELL NEAR LAKE PLACID FL	20040525	45.80	NGVD29
		20040922	51.34	NGVD29
271223081202601	LAKE PLACID GROVES DEEP SOUTH OF LAKE PLACID FL	20040518	47.36	NGVD29
271559081202301	ROMP 28 FLORIDAN WELL NR LAKE PLACID FL	20040518	65.93	NGVD29
		20040922	73.58	NGVD29
272835081251701	728125--34S29E16 NARANATHA VILLAGE NR SEBRING FL	20040518	78.53	NGVD29
		20040922	89.02	NGVD29
273054081234701	JOHN MCCULLOCH WELL 11 NEAR SEBRING FL	20040518	71.84	NGVD29
		20040922	85.94	NGVD29
273252081264101	BONNET LAKE DEEP NEAR SEBRING FL	20040518	73.48	NGVD29
		20040922	84.08	NGVD29
273353081294201	FLOYD DEVANE WELL 18 NEAR AVON PARK FL	20040518	80.40	NGVD29
		20040922	89.88	NGVD29
273615081284901	ROMP 43 FLORIDAN WELL NEAR AVON PARK FL	20040518	81.59	NGVD29
		20040922	92.58	NGVD29
273704081245501	ROBERT RICHARDS WELL 25 NEAR AVON PARK FL	20040518	73.11	NGVD29
		20040922	75.59	NGVD29
273845081321901	CLENNY DEEP NW/O AVON PK FL	20040518	75.72	NGVD29
		20040922	89.50	NGVD29

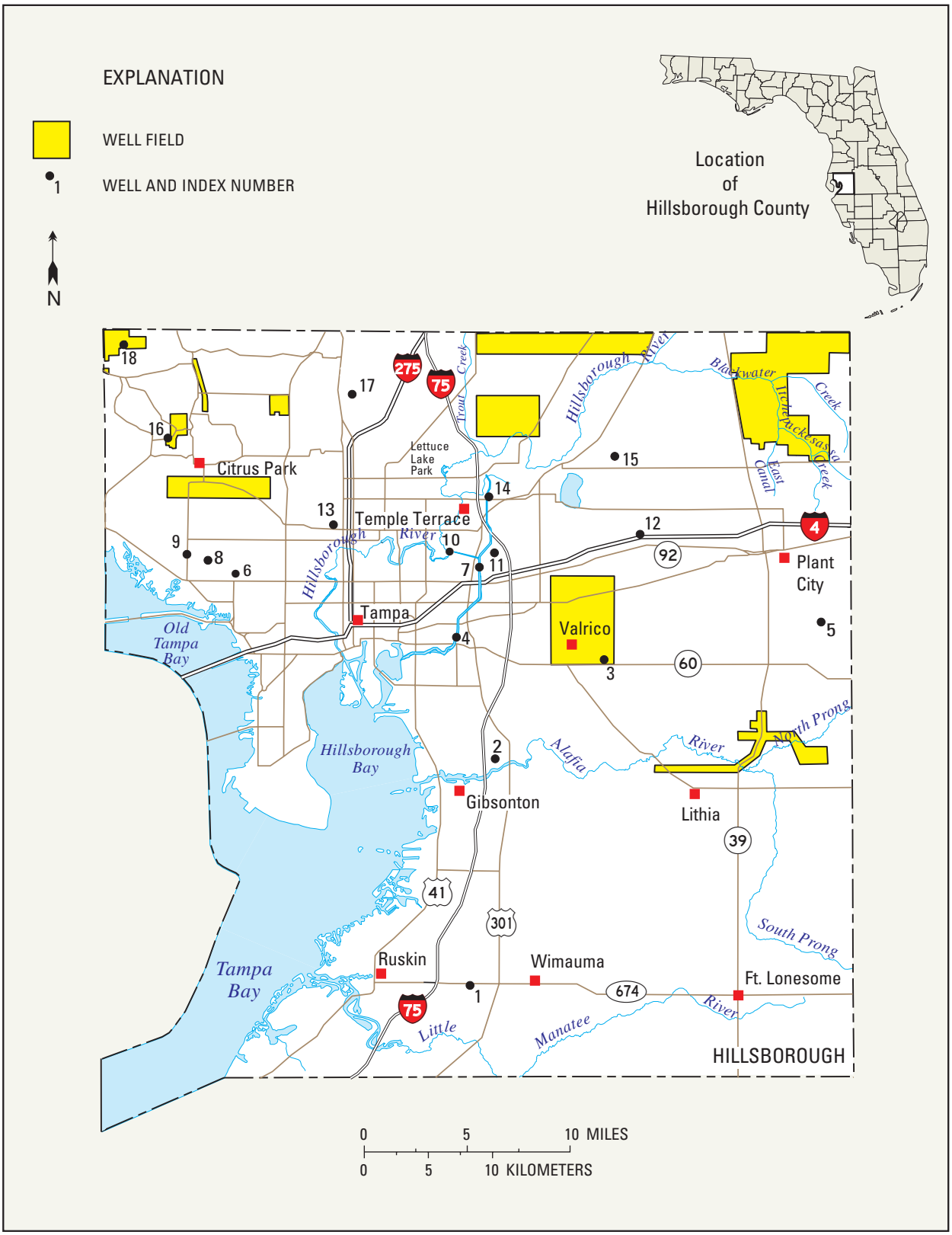


Figure 17.-- Location of wells in Hillsborough County.

KEY TO SITE LOCATIONS ON FIGURE 17

HILLSBOROUGH COUNTY

INDEX NUMBER	SITE NUMBER
1	274240082212701
1	274240082212702
1	274240082212703
2	275215082201901
3	275627082150801
4	275724082221001
5	275802082044701
6	280005082324201
7	280022082210501
8	280038082340201
9	280053082350202
10	280055082222701
11	280058082202201
11	280058082202202
12	280145082132501
13	280209082280301
14	280320082203801
15	280503082143701
16	280548082355701
17	280740082271001
18	280944082380501

HILLSBOROUGH COUNTY

WELL NUMBER.--274240082212701. ROMP 50 Floridan Well near Wimauma, FL.

LOCATION.--Lat 27° 42'40", long 82° 21'27" (1927 North American datum), in NW 1/4 SE 1/4 sec.12, T.32 S., R.19 E., Hydrologic Unit 03100203, 0.2 mi south of State Highway 674, and 3.5 mi west of Wimauma.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 to 6 in., depth 562 ft, cased to 200 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 44.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.44 ft above land-surface datum.

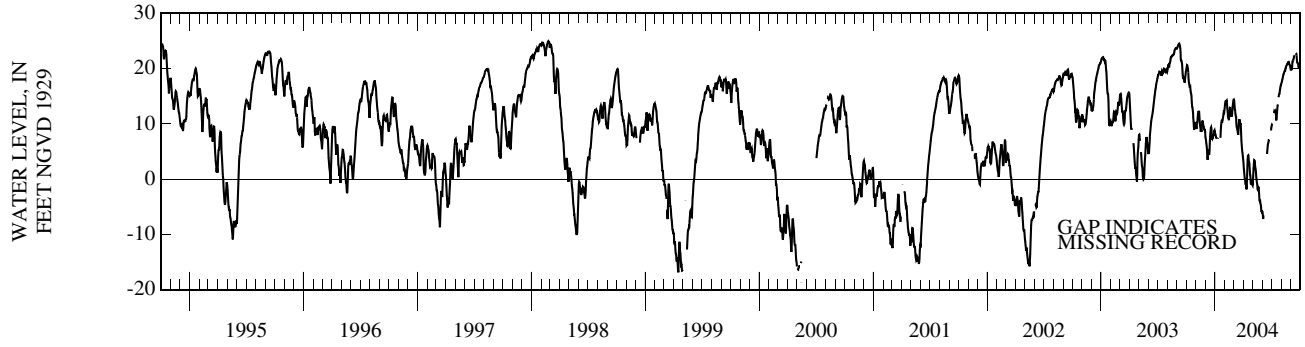
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--February 1976 to current year. Prior to October 1979, published as ROMP Deep Well No. 50 near Wimauma.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.97 ft NGVD, Feb. 23, 1998; lowest, 20.87 ft below NGVD, May 27, 1989.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.10	9.55	7.64	8.08	13.00	14.43	3.01	-0.43	-5.93	9.90	17.35	19.81
2	20.42	9.08	7.37	8.09	13.56	14.24	2.02	0.60	-6.48	9.82	17.67	19.81
3	20.62	9.77	6.94	7.84	14.01	13.35	1.36	1.93	-7.20	---	17.93	19.98
4	20.57	10.09	6.39	7.57	14.12	12.60	0.75	2.77	-6.56	---	18.08	20.39
5	20.22	10.41	6.02	7.45	14.13	12.32	0.11	3.44	---	---	18.44	21.24
6	19.92	11.21	5.33	7.27	14.11	11.76	-0.02	3.38	---	---	18.75	21.29
7	19.30	11.85	3.98	---	14.20	11.36	-0.86	3.16	---	---	18.98	21.49
8	18.07	12.16	3.48	---	13.62	11.26	-0.91	2.59	---	11.97	19.10	21.64
9	17.51	12.14	3.98	---	12.72	10.30	-1.00	2.04	---	12.30	19.25	21.88
10	17.23	12.39	4.56	7.33	12.32	9.53	-1.83	1.81	---	12.20	19.45	22.10
11	16.72	12.11	4.88	7.48	11.38	9.30	-1.69	1.24	---	12.15	19.60	22.30
12	16.73	11.11	4.74	---	11.14	9.09	0.32	0.33	---	12.28	19.62	22.45
13	16.77	10.24	4.44	---	11.09	8.77	2.22	-0.13	---	12.09	19.92	---
14	16.08	9.65	5.24	---	10.68	8.35	3.52	-0.66	---	11.73	20.02	---
15	15.69	9.38	6.91	---	11.41	8.01	4.28	-1.00	4.55	10.64	20.28	---
16	15.44	8.56	7.94	---	12.30	9.00	4.33	-1.74	5.17	11.30	20.44	22.77
17	15.01	8.90	8.60	---	12.89	9.99	3.97	-1.87	5.52	11.90	20.58	22.73
18	13.90	8.56	9.26	7.47	12.86	10.64	3.10	-1.41	6.16	12.64	20.64	22.42
19	13.18	9.15	9.40	8.80	12.46	10.83	3.11	-1.46	6.47	13.25	20.79	21.55
20	12.97	10.03	9.11	9.66	12.18	10.44	2.80	-1.79	6.70	13.54	20.86	20.94
21	12.45	10.46	8.27	10.27	12.01	9.83	1.74	-2.83	7.06	---	20.98	---
22	11.93	10.48	7.17	10.59	11.49	10.16	0.92	-3.87	7.05	14.84	21.16	21.10
23	11.11	10.03	7.63	10.59	11.47	9.87	0.63	-3.98	7.12	15.13	21.17	20.89
24	10.47	9.77	7.39	10.53	11.33	8.69	-0.59	-3.94	---	15.33	21.22	20.76
25	9.41	9.41	7.57	10.84	12.28	6.99	-0.98	-4.42	---	15.43	21.05	20.21
26	8.97	9.31	7.89	11.14	13.08	6.23	-0.52	-4.59	---	15.68	20.78	20.63
27	9.53	9.06	7.93	11.53	13.57	5.42	0.05	-5.15	---	16.13	20.67	20.66
28	9.24	8.81	8.13	12.00	13.99	4.86	-0.19	-5.68	8.82	16.53	20.57	20.98
29	9.86	9.03	8.68	11.91	14.39	4.72	-0.98	-5.72	9.36	16.84	20.30	21.25
30	10.33	8.41	8.80	11.94	---	4.18	-1.09	-5.93	9.62	17.09	19.85	21.45
31	10.15	---	8.41	12.44	---	3.55	---	-5.86	---	17.16	19.81	---
MAX	20.62	12.39	9.40	---	14.39	14.43	4.33	3.44	---	---	21.22	---



WELL NUMBER.--274240082212702. ROMP 50 Shallow Well near Wimauma, FL.

LOCATION.--Lat 27° 42'40", long 82° 21'27" (1927 North American datum), in NW 1/4 SE 1/4 sec.12, T.32 S., R.19 E., Hydrologic Unit 03100203, 0.2 mi south of State Highway 674, and 3.5 mi west of Wimauma.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 37.5 ft, cased to 32.5 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

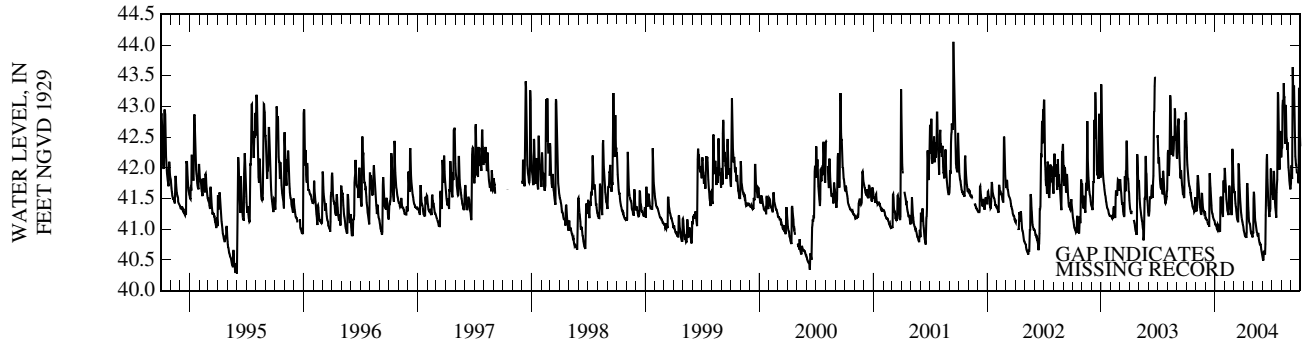
DATUM.--Land-surface datum is 43.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--March 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 44.05 ft NGVD, Sept. 14, 2001; lowest, 39.93 ft NGVD, May 27, June 4, 5, 1989.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.43	41.33	41.19	41.08	42.00	41.65	41.02	40.97	40.55	41.58	42.29	42.04
2	42.33	41.29	41.19	41.08	41.92	41.59	40.98	40.93	40.52	41.58	42.33	42.00
3	42.17	41.34	41.17	41.08	41.79	41.61	40.96	41.50	40.50	41.62	42.32	41.86
4	42.05	41.35	41.16	41.06	41.72	41.60	40.94	41.61	40.49	41.51	43.01	41.82
5	41.99	41.74	41.16	41.05	41.60	41.49	40.91	41.56	40.63	41.48	43.09	43.15
6	41.92	41.88	41.15	41.02	41.49	41.42	40.89	41.39	40.65	41.61	43.09	43.64
7	41.86	41.85	41.13	41.00	41.44	41.37	40.88	41.28	40.60	41.95	43.08	43.40
8	41.79	41.77	41.11	40.99	41.39	41.34	40.88	41.19	40.64	41.92	43.38	43.06
9	41.75	41.69	41.09	41.04	41.31	41.30	40.88	41.13	40.59	41.76	43.15	43.11
10	41.71	41.62	41.09	41.08	41.29	41.25	40.86	41.10	40.76	41.60	43.15	43.34
11	41.70	41.55	41.09	41.07	41.27	41.19	40.95	41.06	41.23	41.44	42.75	43.03
12	41.67	41.47	41.06	41.01	41.25	41.16	41.71	41.02	41.38	41.36	42.39	42.57
13	41.64	41.40	41.04	40.98	41.23	41.15	41.75	40.98	41.62	41.31	42.65	42.37
14	41.59	41.35	41.90	40.97	41.50	41.13	41.67	40.95	42.13	41.25	43.01	42.19
15	41.60	41.31	41.90	40.97	41.71	41.13	41.50	40.93	42.22	41.19	43.01	42.13
16	41.51	41.27	41.75	40.97	41.67	42.06	41.35	40.90	42.01	41.60	42.79	42.05
17	41.47	41.25	41.67	40.96	41.58	42.07	41.27	40.90	41.81	41.73	42.49	42.05
18	41.46	41.25	41.55	41.51	41.46	41.91	41.19	40.94	41.64	41.81	42.46	41.99
19	41.41	41.58	41.46	41.52	41.39	41.73	41.13	40.90	41.49	42.41	42.30	41.91
20	41.38	41.59	41.39	41.52	41.35	41.62	41.11	40.84	41.39	43.23	42.42	---
21	41.36	41.49	41.33	41.44	41.31	41.50	41.09	40.81	41.34	43.19	42.32	---
22	41.36	41.41	41.28	41.35	41.27	41.42	41.08	40.79	41.27	42.63	42.14	41.93
23	41.35	41.35	41.26	41.31	41.23	41.35	41.03	40.76	41.20	42.32	42.01	41.86
24	41.33	41.31	41.25	41.27	41.31	41.27	40.98	40.75	41.35	42.12	41.96	41.78
25	41.33	41.29	41.21	41.24	42.31	41.23	40.94	40.76	41.29	41.97	41.87	41.75
26	41.28	41.29	41.19	41.20	42.28	41.18	40.93	40.75	41.34	42.42	41.79	43.29
27	41.29	41.26	41.17	41.78	42.05	41.15	40.92	40.70	41.97	42.45	41.73	43.30
28	41.40	41.27	41.16	41.78	41.87	41.13	40.91	40.67	41.99	42.55	41.69	42.84
29	41.52	41.29	41.15	41.69	41.73	41.11	40.88	40.64	41.86	42.60	41.65	42.52
30	41.48	41.25	41.14	41.60	---	41.08	40.88	40.61	41.68	42.40	41.70	42.35
31	41.37	---	41.11	41.84	---	41.06	---	40.58	---	42.17	41.75	---
MAX	42.43	41.88	41.90	41.84	42.31	42.07	41.75	41.61	42.22	43.23	43.38	---



WELL NUMBER.--274240082212703. ROMP 50 Avon Park Well near Wimauma, FL.

LOCATION.--Lat 27° 42'40", long 82° 21'27" (1927 North American datum), in NW 1/4 SE 1/4 sec.12, T.32 S., R.19 E., Hydrologic Unit 03100203, 0.2 mi south of State Highway 674, and 3.5 mi west of Wimauma.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 1,430 ft, cased to 1,393 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

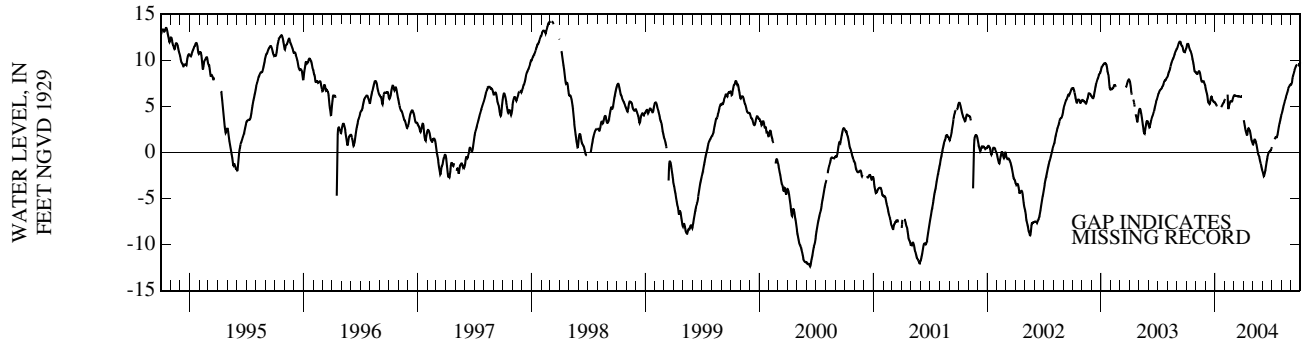
DATUM.--Land-surface datum is 44.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 4.90 ft above land-surface datum.

PERIOD OF RECORD.--August 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.95 ft NGVD, Aug. 23, 24, 1982; lowest, 13.05 ft below NGVD, May 26, 1981.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.43	8.71	7.10	5.43	5.71	6.17	---	0.89	-2.02	0.58	4.12	7.39
2	11.57	8.64	6.93	5.35	5.81	6.21	3.50	0.87	-2.12	---	4.25	7.47
3	11.68	8.56	6.78	5.29	---	6.22	3.31	0.97	-2.26	---	4.40	7.58
4	11.78	8.54	6.63	5.22	---	6.21	3.10	1.14	-2.42	---	4.55	7.73
5	11.80	8.55	6.51	5.15	---	6.16	2.91	1.31	-2.55	---	4.70	8.03
6	11.80	8.59	6.35	5.11	---	6.15	2.69	1.40	-2.51	---	4.86	8.20
7	11.80	8.67	6.16	5.02	---	6.15	2.51	1.41	-2.37	---	5.01	8.33
8	11.69	8.76	5.90	---	---	6.15	2.34	1.41	-2.22	---	5.13	8.43
9	11.54	8.80	5.62	---	---	6.14	2.22	1.35	-2.07	---	5.24	8.54
10	11.41	8.83	5.44	---	6.29	6.14	2.12	1.24	-1.89	1.44	5.37	8.67
11	11.30	8.83	5.40	---	5.32	6.13	1.97	1.11	-1.69	1.51	5.50	8.79
12	11.18	8.81	5.37	---	4.73	6.12	1.85	0.98	-1.46	1.58	5.62	8.92
13	11.10	8.72	5.34	---	4.86	6.12	2.00	0.79	-1.24	1.64	5.77	9.04
14	11.04	8.57	5.28	---	5.00	6.11	2.22	0.58	-1.00	1.67	5.86	9.17
15	10.98	8.36	5.33	---	5.13	6.11	2.45	0.39	-0.80	1.68	5.98	9.28
16	10.86	8.15	5.51	---	5.23	6.10	2.60	0.20	-0.63	1.66	6.09	9.36
17	10.73	7.95	5.72	---	5.37	6.09	2.63	-0.01	-0.46	1.67	6.22	9.45
18	10.59	7.81	5.90	---	5.47	6.09	2.62	-0.16	-0.35	1.77	6.35	9.48
19	10.40	7.73	6.04	---	5.53	6.08	2.54	-0.27	-0.21	1.94	6.45	9.47
20	10.20	7.69	6.07	---	5.56	6.07	2.47	-0.32	-0.11	2.17	6.57	---
21	10.02	7.73	6.06	4.91	5.58	6.07	2.41	-0.42	0.01	2.38	6.69	---
22	9.90	7.77	5.92	5.03	5.58	6.07	2.28	-0.60	0.05	2.59	6.81	---
23	9.76	7.77	5.75	5.11	5.57	6.07	2.12	-0.78	0.07	2.79	6.95	9.40
24	9.58	7.77	5.69	5.16	5.56	6.06	1.91	-0.94	0.10	2.96	7.06	9.42
25	9.35	7.74	5.65	5.23	5.61	6.06	1.68	-1.08	0.14	3.09	7.15	9.43
26	9.07	7.68	5.58	5.30	5.75	---	1.46	-1.22	0.21	3.21	7.20	9.57
27	8.85	7.58	5.53	5.39	5.85	---	1.30	-1.33	0.23	3.36	7.26	9.59
28	8.79	7.48	5.49	5.42	5.95	---	1.23	-1.45	0.25	3.53	7.33	9.64
29	8.76	7.40	5.47	5.47	6.08	---	1.14	-1.60	0.36	3.69	7.37	9.73
30	8.72	7.25	5.48	5.54	---	---	1.00	-1.78	0.47	3.85	7.38	9.83
31	8.72	---	5.47	5.61	---	---	---	-1.92	---	4.00	7.36	---
MAX	11.80	8.83	7.10	---	---	---	---	1.41	0.47	---	7.38	---



WELL NUMBER.--275215082201901. U. S. Phosphoric Well at Riverview, FL.

LOCATION.--Lat 27° 52'15", long 82° 20'19" (1927 North American datum), in NE 1/4 SE 1/4 sec.18, T.30 S., R.20 E., Hydrologic Unit 03100204, 20 ft south of Riverview Drive, and 0.7 mi west of Riverview.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused industrial, artesian well, diameter 8 in., depth 658 ft, cased to 653 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 23.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 12 in. coupling, 3.71 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby wells.

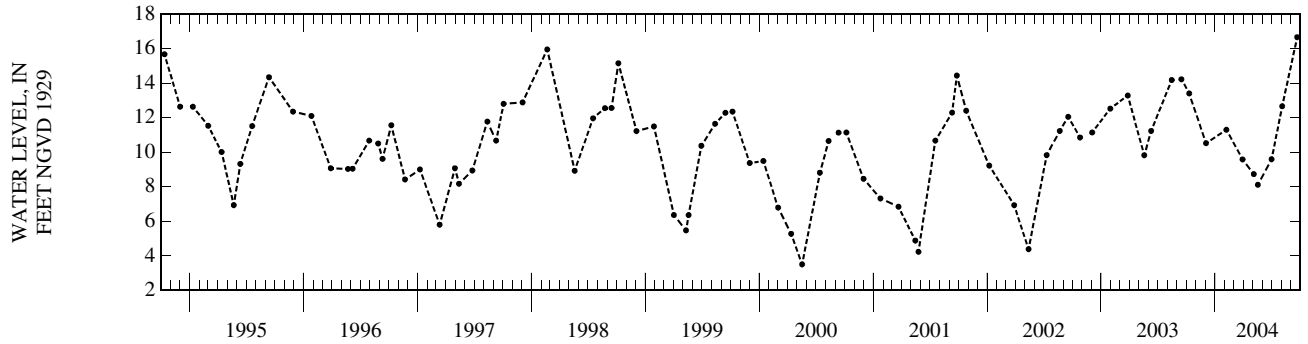
PERIOD OF RECORD.--September 1962 to current year (periodic). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.66 ft NGVD, Sept. 20, 2004; lowest measured, 0.20 ft below NGVD, May 20, 1981.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	13.40	FEB 06	11.30	MAY 04	8.73	JUN 30	9.59	SEP 20	16.66
DEC 03	10.52	MAR 29	9.58	17	8.11	AUG 03	12.66		

WATER YEAR 2004 LOWEST 8.11 MAY 17, 2004 HIGHEST 16.66 SEP 20, 2004



WELL NUMBER.--275627082150801. Turner Well near Brandon, FL.

LOCATION.--Lat 27° 56'27", long 82° 15'08" (1927 North American datum), in SW 1/4 SW 1/4 sec.19, T.29 S., R.21 E., Hydrologic Unit 03100205, 100 ft east of Valrico Road, 500 ft north of U. S. Highway 60, and 1.5 mi east of Brandon.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in., depth 342 ft, cased to 60 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval and tipping bucket raingage recorder--15-minute interval.

DATUM.--Land-surface datum is 36.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.49 ft above land-surface datum.

REMARKS.--Collection, computation and publication of precipitation data do not necessarily conform to standards used by the National Weather Service.

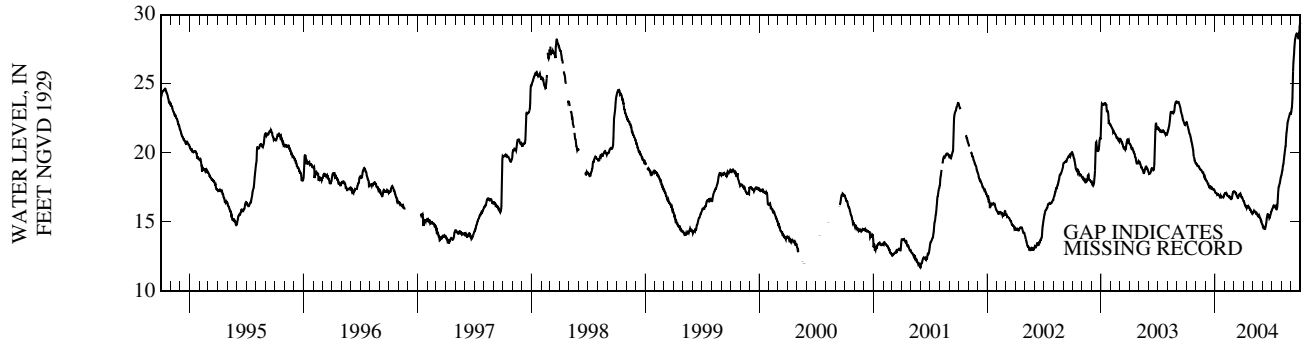
PERIOD OF RECORD.--January 1963 to August 1978 (periodic); September 1978 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 29.42 ft NGVD, Sept. 30, 2004; lowest, 10.87 ft NGVD, May 19, 1981.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.22	19.21	18.14	17.14	17.01	17.21	16.51	15.69	14.81	15.88	18.42	22.99
2	22.21	19.23	18.05	17.14	17.08	17.21	16.50	15.67	14.65	15.91	18.56	23.18
3	22.13	19.20	18.02	17.12	17.09	17.16	16.46	15.73	14.61	15.99	18.68	23.31
4	22.04	19.11	17.99	17.09	17.07	17.18	16.35	15.79	14.67	16.03	18.78	23.49
5	21.96	19.06	17.98	17.09	17.07	17.18	16.29	15.72	14.65	16.12	19.01	23.95
6	21.88	19.08	17.90	17.07	17.09	17.13	16.21	15.73	14.57	16.12	19.12	24.69
7	21.78	19.08	17.87	16.98	17.03	17.05	16.17	15.76	14.51	16.15	19.23	25.91
8	21.67	19.03	17.83	17.00	16.94	17.06	16.18	15.74	14.50	16.19	19.42	26.54
9	21.58	19.00	17.76	17.03	16.96	17.02	16.13	15.70	14.50	16.17	19.65	26.87
10	21.45	19.00	17.76	17.02	16.93	16.97	16.06	15.67	14.59	16.09	19.86	27.15
11	21.42	18.95	17.65	16.95	16.87	16.86	16.00	15.66	14.68	16.06	20.04	27.60
12	21.36	18.90	17.59	16.96	16.85	16.85	16.08	15.58	14.81	16.10	20.22	27.85
13	21.27	18.88	17.54	16.94	16.83	16.83	16.11	15.58	14.95	16.13	20.44	28.17
14	21.16	18.81	17.55	16.92	16.87	16.73	16.14	15.62	15.20	16.01	20.49	28.24
15	21.07	18.80	17.50	16.89	16.88	16.74	16.13	15.56	15.34	15.93	20.82	28.39
16	20.94	18.80	17.56	16.83	16.79	16.80	16.16	15.49	15.47	15.91	21.19	28.52
17	20.82	18.77	17.57	16.78	16.77	16.87	16.08	15.48	15.54	15.97	21.45	28.54
18	20.73	18.75	17.53	16.81	16.74	16.98	16.00	15.44	15.55	16.09	21.62	28.63
19	20.64	18.70	17.54	16.91	16.76	17.01	16.05	15.39	15.54	16.37	21.87	28.62
20	20.48	18.66	17.52	16.85	16.78	17.03	16.04	15.41	15.52	16.78	22.10	28.57
21	20.36	18.60	17.38	16.81	16.72	16.99	15.95	15.49	15.50	17.16	22.27	28.53
22	20.25	18.57	17.38	16.84	16.65	17.03	15.89	15.43	15.42	17.45	22.33	28.45
23	20.15	18.58	17.43	16.83	16.67	16.93	15.90	15.32	15.27	17.57	22.44	28.38
24	19.84	18.57	17.41	16.80	16.73	16.83	15.88	15.29	15.31	17.63	22.51	28.30
25	19.72	18.50	17.37	16.81	16.89	16.81	15.75	15.25	15.44	17.70	22.58	28.29
26	19.65	18.38	17.38	16.79	17.03	16.83	15.74	15.10	15.46	17.78	22.66	28.75
27	19.53	18.29	17.38	16.77	17.10	16.81	15.73	15.07	15.53	17.87	22.79	28.66
28	19.41	18.31	17.34	16.82	17.17	16.74	15.62	15.08	15.70	18.00	22.88	29.13
29	19.38	18.18	17.33	16.86	17.17	16.71	15.59	14.99	15.73	18.17	22.90	29.33
30	19.30	18.14	17.30	16.97	---	16.66	15.64	14.92	15.82	18.27	22.85	29.42
31	19.24	---	17.21	17.00	---	16.58	---	14.86	---	18.32	22.84	---
MAX	22.22	19.23	18.14	17.14	17.17	17.21	16.51	15.79	15.82	18.32	22.90	29.42
*PREC	1.21	2.17	1.38	3.57	3.51	1.47	0.49	0.93	5.44	8.24	12.57	12.61

CAL YR 2003 MAX 23.72
WTR YR 2004 MAX 29.42



WELL NUMBER.--275724082221001. Structure 160 Well near Tampa, FL.

LOCATION.--Lat 27° 57'24", long 82° 22'10" (1927 North American datum), in NE 1/4 SE 1/4 sec.14, T.29 S., R.19 E., Hydrologic Unit 03100206, on right bank, 50 ft upstream from structure S-160 on Tampa Bypass Canal, at southeastern city limits of Tampa, and 0.4 mi north of State Highway 60.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122TAMP.

WELL CHARACTERISTICS.--Drilled, unused industrial, artesian well, diameter 10 in., depth 240 ft, cased to 85 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 14.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.98 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

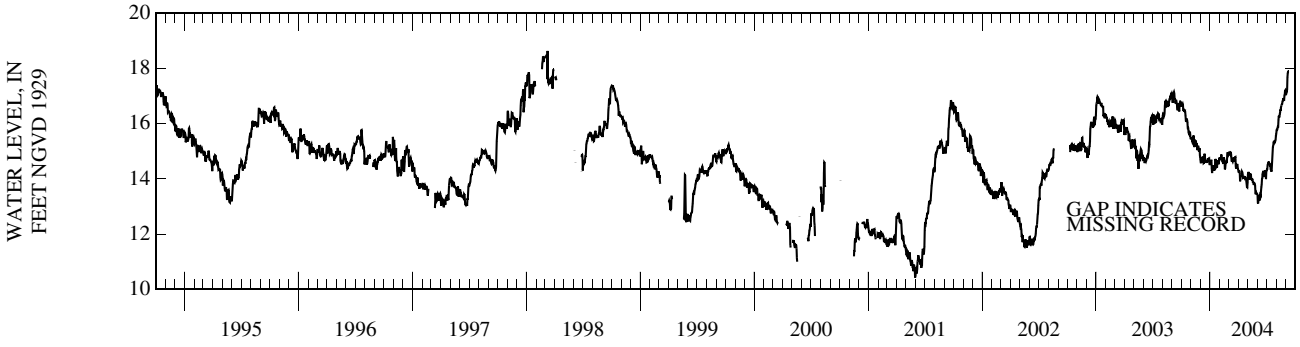
PERIOD OF RECORD.--April 1971 to September 2004 (discontinued). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.63 ft NGVD, Mar. 9, 1998; lowest, 8.37 ft NGVD, May 5, 1971.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.64	15.48	14.70	14.62	14.78	14.95	14.26	14.16	13.43	14.34	15.73	17.07
2	16.72	15.48	14.60	14.63	14.73	14.91	14.26	14.19	13.14	14.35	15.80	17.22
3	16.68	15.48	14.60	14.65	14.72	14.89	14.26	14.25	13.11	14.50	15.76	17.19
4	16.69	15.37	14.74	14.66	14.73	14.88	14.27	14.19	13.23	14.53	15.84	17.21
5	16.71	15.33	14.79	14.66	14.78	14.95	14.21	14.09	13.32	14.59	15.89	17.68
6	16.66	15.38	14.71	14.38	14.88	14.96	13.91	14.07	13.34	14.61	15.89	17.82
7	16.50	15.41	14.68	14.21	14.76	14.95	13.99	13.97	13.30	14.61	16.13	17.88
8	16.51	15.55	14.66	14.33	14.71	14.91	14.13	14.16	13.22	14.59	16.28	17.88
9	16.47	15.55	14.59	14.49	14.65	14.79	14.10	14.20	13.26	14.54	16.25	---
10	16.43	15.43	14.81	14.47	14.62	14.66	14.10	14.13	13.43	14.49	16.25	---
11	16.48	15.15	14.57	14.42	14.65	14.62	14.13	14.13	13.41	14.49	16.34	---
12	16.48	15.39	14.58	14.31	14.59	14.69	14.26	13.99	13.58	14.50	16.40	---
13	16.42	15.42	14.69	14.36	14.55	14.65	14.24	13.99	13.70	14.34	16.51	---
14	16.29	15.34	14.91	14.29	14.77	14.62	14.16	13.97	13.79	14.33	16.46	---
15	16.12	15.37	14.80	14.45	14.73	14.66	14.05	13.97	14.00	14.29	16.56	---
16	16.12	15.37	14.60	14.34	14.62	14.77	14.06	13.97	14.02	14.26	16.60	---
17	16.06	15.32	14.68	14.50	14.34	14.73	14.05	13.86	14.16	14.46	16.66	---
18	16.18	15.17	14.62	14.72	14.37	14.66	14.05	13.90	14.22	14.68	16.70	---
19	16.14	15.29	14.67	14.69	14.47	14.66	14.05	13.83	14.23	14.93	16.71	---
20	16.04	15.14	14.61	14.41	14.56	14.72	14.06	13.78	14.29	15.15	16.79	---
21	15.84	15.04	14.61	14.43	14.62	14.78	14.03	13.84	14.23	15.18	16.82	---
22	15.85	15.11	14.65	14.52	14.63	14.79	14.06	13.84	14.10	15.30	16.86	---
23	15.84	15.17	14.60	14.41	14.57	14.46	14.06	13.82	14.10	15.29	16.92	---
24	15.68	15.17	14.71	14.60	14.67	14.37	14.03	13.74	14.14	15.34	16.87	---
25	15.65	15.08	14.71	14.63	14.86	14.40	14.01	13.50	14.30	15.38	16.82	---
26	15.71	14.99	14.72	14.63	14.96	14.42	13.92	13.44	14.27	15.35	17.00	---
27	15.70	15.08	14.65	14.64	14.83	14.51	13.81	13.52	14.30	15.33	17.04	---
28	15.61	15.11	14.69	14.53	14.85	14.54	13.70	13.51	13.99	15.36	17.19	---
29	15.62	14.84	14.71	14.59	14.94	14.48	13.69	13.47	14.27	15.42	17.21	---
30	15.50	14.78	14.55	14.74	---	14.38	13.86	13.46	14.29	15.55	17.16	---
31	15.43	---	14.50	14.72	---	14.34	---	13.45	---	15.63	17.03	---
MAX	16.72	15.55	14.91	14.74	14.96	14.96	14.27	14.25	14.30	15.63	17.21	---

CAL YR 2003 MAX 17.14



WELL NUMBER.--275802082044701. Fletcher Lett Well near Plant City, FL.

LOCATION.--Lat 27° 58'02", long 82° 04'47" (1927 North American datum), in SW 1/4 SE 1/4 sec.11, T.29 S., R.22 E., Hydrologic Unit 03100204, 60 ft north of Trapnell Road, 2.6 mi east of State Highway 39, and 3.0 mi south of Plant City.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 8 in., depth 530 ft, cased to 100 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 122.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of access hole in pump base, 1.0 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby irrigation wells.

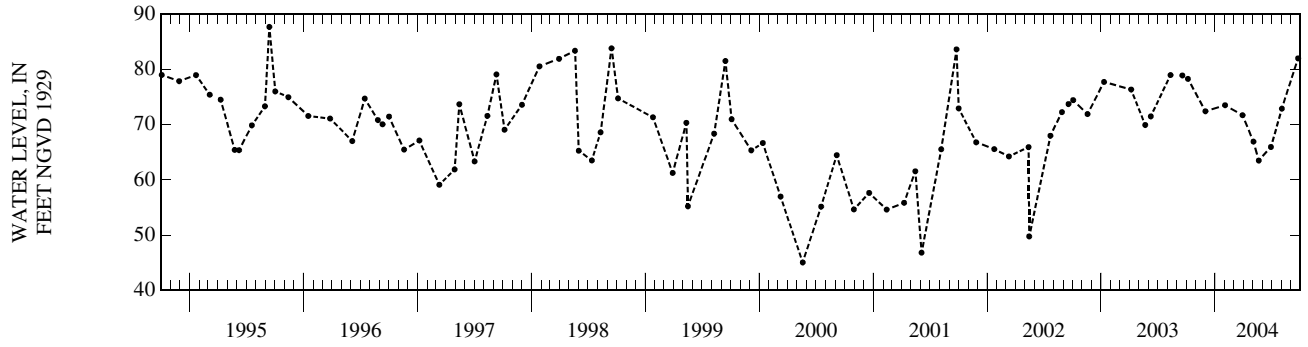
PERIOD OF RECORD.--November 1963 to September 2004 (periodic), discontinued. Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1979 are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -1.40 ft.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.68 ft NGVD, Sept. 13, 1995; lowest measured, 43.00 ft NGVD, May 13, 1975.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	78.26	FEB 02	73.50	MAY 03	66.91	JUN 28	65.94	SEP 23	81.98
DEC 01	72.40	MAR 29	71.69	20	63.48	AUG 02	72.88		

WATER YEAR 2004 LOWEST 63.48 MAY 20, 2004 HIGHEST 81.98 SEP 23, 2004



WELL NUMBER.--280005082324201. ROMP TR 12-3 SWNN Replacement Well near Tampa, FL.

LOCATION.--Lat 28° 00'05", long 82° 32'42" (1927 North American datum), in NW 1/4 SE 1/4 sec.31, T.28 S., R.21 E., Hydrologic Unit 03100206, at intersection Southern Comfort Boulevard and Idlewild Avenue, 0.5 mi north of State Highway 580, and 5.0 mi west of Tampa.

AQUIFER.--Upper Floridan aquifer of Oligocene Age, Geologic Unit 123SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 342 ft, cased to 294 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 19.25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.84 ft above land-surface datum.

REMARKS.--Drilled in June 1992 as a replacement for ROMP TR 12-3 SWNN Well near Tampa (280034082323702) which was destroyed by construction of Veterans Expressway.

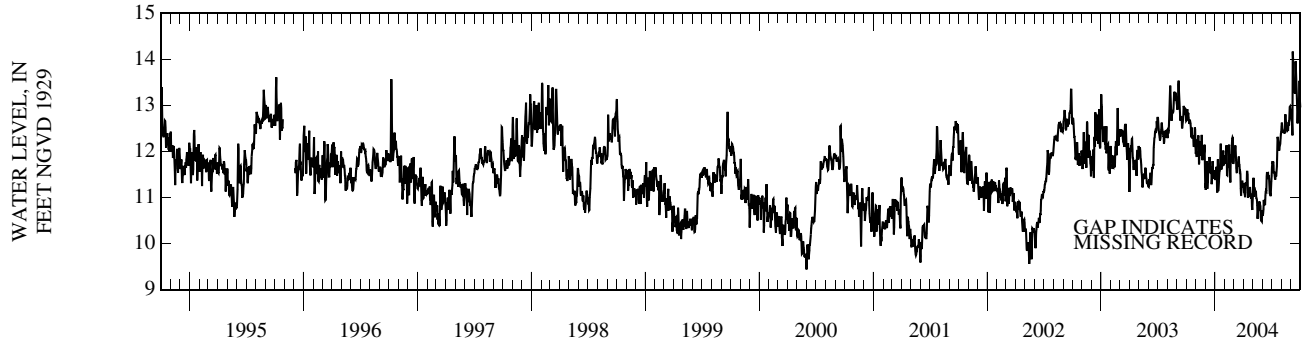
PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.17 ft NGVD, Sept. 6, 2004; lowest, 9.44 ft NGVD, May 31, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.68	12.01	11.31	11.38	11.83	12.04	11.32	11.05	10.72	11.66	12.55	12.73
2	12.79	11.94	11.17	11.46	11.91	12.08	11.17	11.28	10.61	11.74	12.63	12.67
3	12.85	11.88	11.26	11.51	11.85	11.93	11.18	11.43	10.66	11.79	12.53	12.66
4	12.92	12.26	11.58	11.57	11.74	11.99	11.10	11.11	10.75	11.73	12.45	12.54
5	12.78	12.21	11.79	11.67	11.89	12.11	11.07	11.02	10.95	11.78	12.41	12.35
6	12.79	12.25	11.65	11.58	12.11	12.13	11.01	11.16	10.82	11.70	12.45	14.17
7	12.84	12.29	11.19	11.13	12.14	11.96	11.11	11.17	10.87	11.55	12.42	14.01
8	12.74	12.35	11.34	11.11	11.49	11.80	11.31	11.11	10.87	11.55	12.42	13.51
9	12.67	12.23	11.37	11.65	11.48	11.64	11.31	11.08	10.84	11.55	12.44	13.47
10	12.60	11.72	11.69	11.83	11.67	11.56	11.29	11.13	11.04	11.49	12.41	13.40
11	12.62	11.76	11.73	11.14	11.67	11.53	11.27	11.13	11.13	11.41	12.41	13.32
12	12.69	11.99	11.55	11.23	11.72	11.71	11.56	10.99	11.15	11.41	12.73	13.28
13	12.65	12.22	11.53	11.33	11.73	11.71	11.56	10.98	11.14	11.50	12.81	13.26
14	12.61	11.91	11.88	11.43	12.12	11.67	11.50	10.95	11.46	11.48	12.71	13.37
15	12.51	12.00	11.64	11.56	12.15	11.76	10.99	10.82	11.55	11.48	12.67	13.96
16	12.31	12.01	11.58	11.59	11.91	11.82	11.03	10.54	11.49	11.57	12.57	13.80
17	12.48	11.98	11.69	11.73	11.59	11.89	11.07	10.64	11.51	11.68	12.53	13.59
18	12.52	12.03	11.53	11.96	11.38	11.72	11.02	10.74	11.50	11.95	12.47	13.33
19	12.33	12.36	11.66	12.17	11.33	11.71	11.15	10.71	11.51	12.32	12.45	13.15
20	12.28	12.09	11.48	11.90	11.75	11.56	11.11	10.85	11.40	12.29	12.46	12.81
21	12.32	11.81	11.29	11.61	11.93	11.57	11.17	10.90	11.49	12.22	12.47	12.61
22	12.35	11.92	11.39	11.73	11.82	11.51	11.23	10.90	11.42	12.13	12.47	12.75
23	12.32	11.95	11.58	11.73	11.77	11.20	11.14	10.82	11.26	12.10	12.63	12.95
24	12.15	12.11	11.79	11.68	12.19	11.04	11.05	10.84	11.10	12.02	12.64	12.98
25	12.10	12.13	11.65	11.77	12.27	11.26	10.98	10.81	11.10	12.06	12.57	12.98
26	12.21	11.95	11.50	11.96	12.31	11.33	11.06	10.58	11.07	12.11	12.78	13.03
27	12.32	12.02	11.41	12.02	12.29	11.35	11.06	10.49	11.03	12.13	12.97	13.53
28	12.52	12.15	11.43	11.81	11.73	11.35	10.81	10.51	11.17	12.17	12.98	13.29
29	12.48	11.69	11.59	11.70	11.78	11.28	10.73	10.49	11.35	12.29	12.92	13.09
30	12.10	11.21	11.52	11.86	---	11.25	10.92	10.48	11.47	12.38	12.88	12.96
31	11.95	---	11.46	11.86	---	11.22	---	10.69	---	12.43	12.71	---
MAX	12.92	12.36	11.88	12.17	12.31	12.13	11.56	11.43	11.55	12.43	12.98	14.17

CAL YR 2003 MAX 13.54
WTR YR 2004 MAX 14.17



WELL NUMBER.--280022082210501. SWFWMD Well west of Vandenberg Airport near Temple Terrace, FL.

LOCATION.--Lat 28° 00'22", long 82° 21'05" (1927 North American datum), in NW 1/4 SE 1/4 sec.31, T.28 S., R.20 E., Hydrologic Unit 03100206, 0.9 mi northeast of intersection Interstate 4 and U. S. Highway 301, and 3.4 mi southeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 37 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 17.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 1.94 ft above land-surface datum.

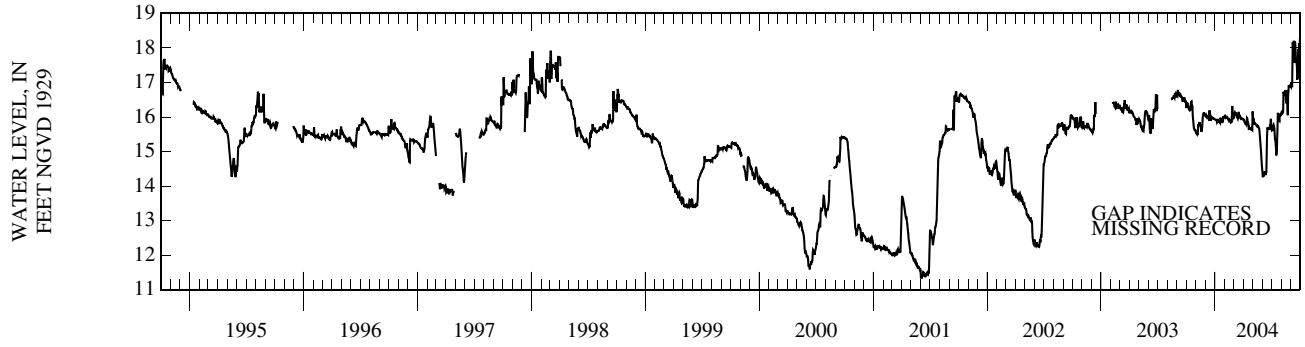
PERIOD OF RECORD.--December 1976 to June 1978 (periodic); July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.27 ft NGVD, Sept. 30, 2004; lowest, 11.32 ft NGVD, June 4, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.26	15.55	16.03	15.92	16.03	16.05	15.93	16.08	14.38	15.61	16.13	16.98
2	16.37	15.56	16.03	15.92	16.04	16.03	15.91	15.77	14.26	15.62	16.11	16.90
3	16.43	15.55	16.02	15.92	16.02	16.12	15.91	15.96	14.30	15.63	16.10	16.93
4	16.38	15.51	16.04	15.92	16.01	16.14	15.88	15.92	14.30	15.60	16.11	16.86
5	16.38	15.49	16.01	15.91	15.98	16.12	15.84	15.83	14.30	15.75	16.12	17.78
6	16.35	15.51	16.01	15.89	15.99	16.11	15.83	15.82	14.37	15.77	16.18	18.17
7	16.33	15.68	15.98	15.84	16.01	16.11	15.80	15.82	14.40	15.74	16.73	17.96
8	16.27	15.79	15.99	15.86	16.01	16.11	15.80	15.82	14.40	15.73	16.69	17.84
9	16.22	15.76	15.98	15.92	16.00	16.07	15.80	15.81	14.32	15.67	16.68	18.18
10	16.21	15.77	16.01	15.92	15.97	16.06	15.78	15.79	14.37	15.53	16.65	18.18
11	16.22	15.82	15.97	15.86	15.94	16.01	15.83	15.78	14.37	15.36	16.62	17.62
12	16.22	15.83	15.93	15.86	15.93	16.00	15.97	15.77	14.36	15.36	16.75	17.57
13	16.20	15.85	15.94	15.86	15.91	15.98	15.96	15.75	14.39	15.22	16.75	18.18
14	16.21	15.76	16.19	15.86	15.95	15.96	15.87	15.73	14.91	15.11	16.78	18.11
15	16.35	15.74	15.94	15.86	15.95	16.00	15.84	15.72	15.41	14.89	16.49	17.85
16	16.44	15.74	15.89	15.84	15.92	16.12	15.82	15.73	15.63	14.96	16.40	17.68
17	16.45	15.64	15.94	15.83	15.91	16.15	15.73	15.75	15.70	15.07	16.69	17.60
18	16.33	15.57	15.99	15.98	15.87	16.01	15.65	15.74	15.67	15.48	16.77	17.56
19	16.33	15.62	16.01	15.96	15.86	16.01	15.65	15.70	15.66	15.76	16.72	17.46
20	16.31	15.67	15.99	15.92	15.89	15.99	15.69	15.68	15.66	16.12	16.28	17.08
21	16.05	15.78	15.96	15.89	15.89	15.98	15.67	15.66	15.66	15.97	16.05	17.18
22	15.93	15.96	15.97	15.88	15.85	16.00	15.66	15.59	15.66	15.98	16.63	17.17
23	15.90	16.05	15.98	15.86	15.86	15.97	15.66	15.47	15.63	15.89	16.75	17.79
24	15.77	16.09	15.98	15.85	16.10	15.95	15.65	15.35	15.70	15.89	16.92	17.96
25	15.69	16.11	15.96	15.85	16.32	15.96	15.64	15.23	15.78	15.88	16.89	17.67
26	15.66	16.11	15.96	15.88	15.97	15.96	15.64	15.11	15.70	15.99	16.90	18.14
27	15.63	16.10	15.96	16.02	15.96	15.96	15.66	14.98	15.92	16.06	16.85	17.82
28	15.63	16.10	15.96	15.99	15.99	15.96	15.63	14.87	15.92	16.05	16.91	18.06
29	15.63	16.07	15.95	15.95	16.05	15.95	15.62	14.73	15.65	16.05	16.86	18.26
30	15.59	16.03	15.94	15.98	---	15.94	16.16	14.59	15.65	16.05	16.90	18.27
31	15.58	---	15.93	16.02	---	15.93	---	14.49	---	16.10	16.88	---
MAX	16.45	16.11	16.19	16.02	16.32	16.15	16.16	16.08	15.92	16.12	16.92	18.27

WTR YR 2004 MAX 18.27



WELL NUMBER.--280038082340201. Channel G BM Deep Well near Tampa, FL.

LOCATION.--Lat 28° 00'38", long 82° 34'02" (1927 North American datum), in NE 1/4 NW 1/4 sec.35, T.28 S., R.17 E., Hydrologic Unit 03100206, 40 ft south of Channel G, 100 ft west of Webb Road, and 8.6 mi northwest of Tampa.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 120 ft, cased to 115 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 7.80 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of shelter floor, 1.50 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

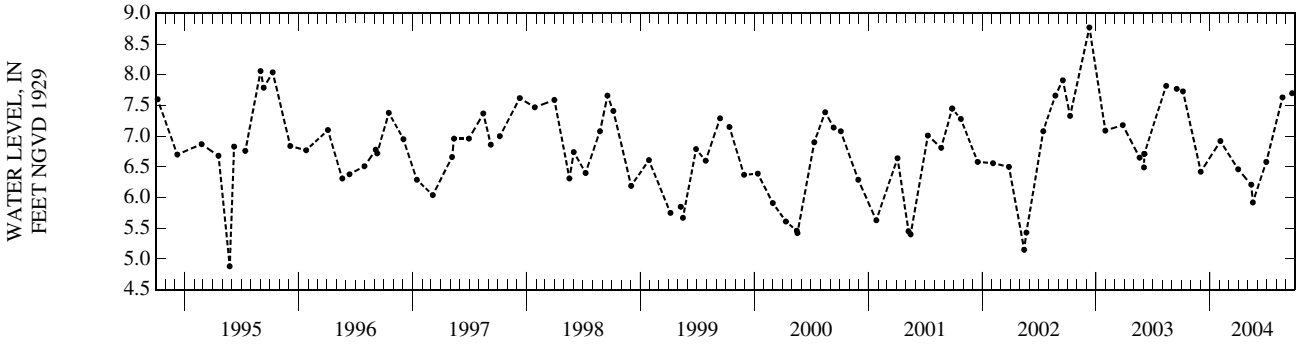
PERIOD OF RECORD.--September 1975 to September 1981; October 1981 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.77 ft NGVD, Dec. 10, 2002; lowest, 4.56 ft NGVD, Apr. 3, 1976.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	7.73	FEB 03	6.92	MAY 12	6.21	JUN 29	6.58	SEP 20	7.70
DEC 02	6.42	MAR 31	6.46	17	5.92	AUG 20	7.63		

WATER YEAR 2004 LOWEST 5.92 MAY 17, 2004 HIGHEST 7.73 OCT 06, 2003



WELL NUMBER.--280053082350202. Sheldon Road Deep Well near Citrus Park, FL.

LOCATION.--Lat 28° 00'53", long 82° 35'02" (1927 North American datum), in NE 1/4 SE 1/4 sec.27, T.28 S., R.17 E., Hydrologic Unit 03100206, 25 ft west of State Highway 589, and 5.5 mi south of Citrus Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 330 ft, cased to 315 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 9.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.57 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

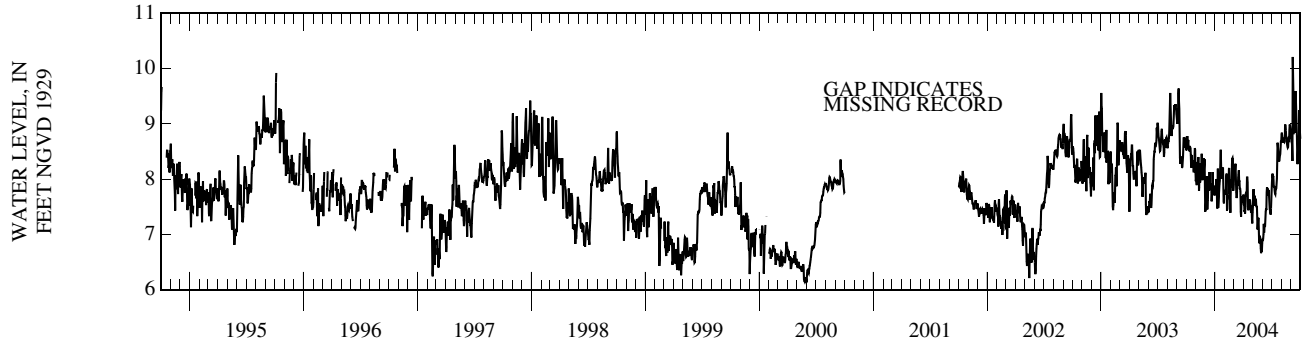
PERIOD OF RECORD.--December 1968 to February 1973 (periodic); March 1973 to September 2000; October 2000 to September 2001 (periodic); October 2001 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.25 ft NGVD, Sept. 1, 1985; lowest measured, 5.80 ft NGVD, May 9, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.53	8.01	7.51	7.71	7.72	8.16	7.72	7.50	6.92	7.95	8.80	8.75
2	8.63	7.96	7.44	7.79	7.79	8.20	7.53	7.68	6.88	8.05	8.84	8.67
3	8.67	7.89	7.58	7.83	7.79	8.06	7.57	7.82	6.92	8.10	8.78	8.65
4	8.78	8.31	7.87	7.91	7.72	8.11	7.41	7.54	7.00	8.02	8.68	8.55
5	8.63	8.25	8.05	8.00	7.88	8.21	7.43	7.52	7.19	8.06	8.68	8.33
6	8.65	8.27	7.86	7.97	8.05	8.28	7.38	7.65	7.03	7.97	8.72	10.21
7	8.71	8.34	7.45	7.51	8.10	8.10	7.51	7.70	7.12	7.87	8.68	9.98
8	8.59	8.40	7.61	7.47	7.43	7.90	7.73	7.64	7.14	7.86	8.70	9.52
9	8.55	8.31	7.70	8.00	7.45	7.76	7.74	7.61	7.15	7.86	8.68	9.27
10	8.52	7.79	7.98	8.19	7.63	7.66	7.69	7.63	7.30	7.79	8.67	8.87
11	8.52	7.85	8.05	7.48	7.65	7.69	7.73	7.63	7.41	7.74	8.69	8.85
12	8.60	8.07	7.84	7.57	7.72	7.92	8.03	7.51	7.47	7.73	8.97	8.86
13	8.57	8.28	7.79	7.69	7.77	7.90	8.03	7.50	7.44	7.81	8.99	8.86
14	8.56	7.94	8.13	7.81	8.18	7.88	7.94	7.50	7.76	7.82	8.92	8.95
15	8.43	8.07	7.87	7.91	8.20	8.03	7.47	7.33	7.85	7.83	8.88	9.59
16	8.21	8.12	7.86	7.97	7.94	8.08	7.44	7.09	7.79	7.93	8.75	9.38
17	8.36	8.04	7.91	8.15	7.64	8.16	7.49	7.17	7.81	8.01	8.75	9.17
18	8.44	8.13	7.82	8.38	7.45	7.96	7.44	7.29	7.82	8.30	8.67	8.94
19	8.28	8.46	7.92	8.53	7.39	7.96	7.59	7.30	7.81	8.66	8.62	8.78
20	8.22	8.17	7.76	8.29	7.79	7.82	7.54	7.02	7.71	8.61	8.59	8.44
21	8.30	7.98	7.60	8.01	8.00	7.84	7.61	6.84	7.80	8.52	8.57	8.27
22	8.34	8.11	7.72	8.13	7.89	7.78	7.63	6.98	7.70	8.43	8.58	8.43
23	8.28	8.17	7.92	8.08	7.85	7.41	7.57	6.93	7.58	8.36	8.72	8.61
24	8.14	8.35	8.13	8.03	8.27	7.32	7.50	6.95	7.46	8.32	8.73	8.65
25	8.14	8.38	7.97	8.11	8.37	7.57	7.40	6.90	7.43	8.34	8.67	8.63
26	8.23	8.18	7.81	8.21	8.38	7.66	7.50	6.75	7.39	8.39	8.89	8.75
27	8.38	8.26	7.71	7.83	8.33	7.69	7.50	6.66	7.36	8.43	8.99	9.25
28	8.56	8.36	7.73	7.60	7.79	7.67	7.27	6.67	7.47	8.46	8.97	8.99
29	8.54	7.88	7.88	7.56	7.90	7.60	7.20	6.71	7.66	8.58	8.92	8.84
30	8.13	7.41	7.84	7.74	---	7.59	7.39	6.69	7.79	8.69	8.87	8.73
31	7.96	---	7.79	7.74	---	7.60	---	6.84	---	8.68	8.74	---
MAX	8.78	8.46	8.13	8.53	8.38	8.28	8.03	7.82	7.85	8.69	8.99	10.21

CAL YR 2003 MAX 9.64
WTR YR 2004 MAX 10.21



WELL NUMBER.--280055082222701. USCE Well TBC-09 near Temple Terrace, FL.

LOCATION.--Lat 28° 00'55", long 82° 22'27" (1927 North American datum), in NW 1/4 SE 1/4 sec.26, T.28 S., R.19 E., Hydrologic Unit 03100206, 1.6 mi northwest of Intersection Interstate 4 and U.S. Highway 301, and 1.7 mi southeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 110 ft, cased to 68 ft.

DATUM.--Land-surface datum is 41.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well sampled for water quality.

WATER-QUALITY DATA

PERIOD OF RECORD.--June 1975 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 2004													
24...	1000	5	509	24.0	78.6	8.19	.87	11.4	25.5	.2	13.9	66.8	301

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Alum-inum, water, unfltrd recover -able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover -able, ug/L (01034)	Copper, water, unfltrd recover -able, ug/L (01042)	Iron, water, unfltrd recover -able, ug/L (01045)	Lead, water, unfltrd recover -able, ug/L (01051)
AUG 2004													
24...	.06	<.06	<.008	.04	.10	.08	35	<2	.22	<.8	4.5	1,250	1.68

Date	Mercury water, unfltrd recover -able, ug/L (71900)	Nickel, water, unfltrd recover -able, ug/L (01067)	Stront-ium, water, fltrd, ug/L (01080)	Zinc, water, unfltrd recover -able, ug/L (01092)
AUG 2004				
24...	<.02	3.51	1,260	7

Remark codes used in this table:
< -- Less than

WELL NUMBER.--280058082202201. Eureka Springs Deep Well near Temple Terrace, FL.

LOCATION.--Lat 28° 00'58", long 82° 20'22" (1927 North American datum), in NE 1/4 SE 1/4 sec.30, T.28 S., R.20 E., Hydrologic Unit 03100206, 1.7 mi northwest of intersection Interstate 4 and U. S. Highway 301, and 2.5 mi southeast of Temple Terrace.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 37 ft, cased to 34.5 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 21.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.47 ft above land-surface datum.

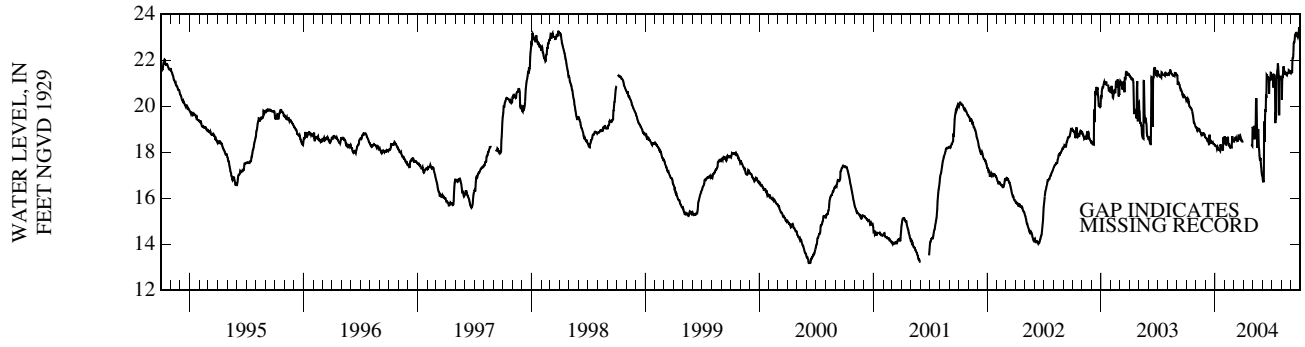
REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1976 to September 1990; October 1990 to September 1991 (periodic); October 1991 to current year. Prior to October 1976, published as Eureka Springs Landfill Deep Well near Tampa; October 1976 to October 1992, published as Eureka Springs Landfill Deep Well near Temple Terrace.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.42 ft NGVD, Sept. 26, 2004; lowest, 13.19 ft NGVD, June 7-12, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.31	19.07	18.65	18.28	18.69	18.50	---	19.07	16.93	21.27	21.21	21.52
2	20.35	19.07	18.63	18.29	18.47	18.48	---	19.02	16.79	21.20	20.27	21.51
3	20.35	19.06	18.61	18.28	18.36	18.56	---	18.85	16.73	21.17	21.12	21.46
4	20.29	18.96	18.61	18.27	18.34	18.61	---	18.66	16.74	21.17	21.29	21.43
5	20.32	18.93	18.60	18.25	18.33	18.62	---	19.14	16.74	20.81	21.28	22.01
6	20.26	18.95	18.55	18.21	18.61	18.60	---	18.56	19.10	21.18	21.57	22.12
7	20.19	18.99	18.50	18.13	18.61	18.57	---	18.70	19.34	21.37	21.73	22.08
8	20.21	19.02	18.50	18.16	18.64	18.59	---	18.70	18.44	21.36	21.69	22.31
9	20.12	19.01	18.48	18.22	18.53	18.61	---	18.64	19.61	21.28	21.56	22.73
10	20.01	18.98	18.52	18.20	18.59	18.55	---	19.06	19.87	21.02	21.53	22.77
11	19.99	18.97	18.43	18.13	18.67	18.54	---	20.13	19.75	20.78	21.40	22.78
12	19.98	18.98	18.35	18.13	18.37	18.48	---	20.35	20.50	19.26	21.41	22.88
13	19.95	18.94	18.36	18.12	18.31	18.49	---	20.16	20.35	19.74	21.44	23.08
14	19.94	18.89	18.76	18.12	18.31	18.49	---	18.91	21.36	19.43	21.46	23.08
15	19.92	18.87	18.42	18.10	18.32	18.54	---	18.20	21.34	19.77	21.46	23.16
16	19.91	18.85	18.44	18.08	18.25	18.72	---	18.34	21.27	21.30	21.38	23.18
17	19.89	18.81	18.45	18.06	18.24	18.71	---	18.72	21.25	21.28	21.35	23.19
18	19.83	18.76	18.47	18.34	18.20	18.57	---	19.01	21.27	21.53	21.34	23.19
19	19.78	18.79	18.48	18.29	18.20	18.63	---	18.73	21.27	21.59	21.41	23.14
20	19.73	18.78	18.44	18.28	18.23	18.67	---	18.21	21.25	21.85	21.43	23.04
21	19.64	18.76	18.38	18.19	18.23	18.62	---	18.10	21.23	21.72	21.42	23.04
22	19.58	18.79	18.42	18.17	18.22	18.66	---	17.86	20.53	21.48	21.43	23.00
23	19.51	18.82	18.43	18.12	18.21	18.60	---	17.71	21.08	21.25	21.44	23.06
24	19.40	18.83	18.44	18.10	18.49	18.52	---	17.64	21.19	19.60	21.56	23.12
25	19.29	18.83	18.38	18.11	18.70	18.51	---	17.75	21.21	20.33	21.55	23.06
26	19.28	18.78	18.37	18.11	18.50	18.52	---	17.58	21.11	21.28	21.52	23.42
27	19.26	18.76	18.37	18.64	18.51	18.45	18.33	17.39	21.45	21.28	21.51	23.24
28	19.22	18.76	18.36	18.52	18.52	18.50	18.29	17.33	21.44	21.22	21.46	23.29
29	19.17	18.68	18.35	18.38	18.48	18.42	18.27	17.16	21.37	21.20	21.44	23.31
30	19.11	18.66	18.33	18.44	---	---	19.10	17.04	21.35	21.25	21.43	23.35
31	19.09	---	18.29	18.64	---	---	---	17.00	---	21.24	21.52	---
MAX	20.35	19.07	18.76	18.64	18.70	---	---	20.35	21.45	21.85	21.73	23.42



WELL NUMBER.--280058082202201. Eureka Springs Deep Well near Temple Terrace, FL.

WATER-QUALITY DATA

PERIOD OF RECORD.--March 1970-1974, 1976-1987, 1990-1992, 1997 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 2004													
24...	0915	62	377	23.0	63.3	4.71	1.34	6.86	8.78	.2	11.2	29.8	232

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Alum-inum, water, unfltrd recover -able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chrom-ium, water, unfltrd recover -able, ug/L (01034)	Copper, water, unfltrd recover -able, ug/L (01042)	Iron, water, unfltrd recover -able, ug/L (01045)	Lead, water, unfltrd recover -able, ug/L (01051)
AUG 2004													
24...	.25	<.06	<.008	.04	.17	1.18	930	12	.19	6.2	17.2	920	18.5

Date	Mercury water, unfltrd recover -able, ug/L (71900)	Nickel, water, unfltrd recover -able, ug/L (01067)	Stront-ium, water, fltrd, ug/L (01080)	Zinc, water, unfltrd recover -able, ug/L (01092)
AUG 2004				
24...	E.01	3.77	700	145

Remak codes used in this table:
< -- Less than
E -- Estimated value

WELL NUMBER.--280058082202202. Eureka Springs Shallow Well near Temple Terrace, FL.

LOCATION.--Lat 28° 00'58", long 82° 20'22" (1927 North American datum), in NE 1/4 SE 1/4 sec.30, T.28 S., R.20 E., Hydrologic Unit 03100206, 1.7 mi northwest of intersection Interstate 4 and U. S. Highway 301, and 2.5 mi southeast of Temple Terrace.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 10 ft, cased to 4 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 21.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.47 ft above land-surface datum.

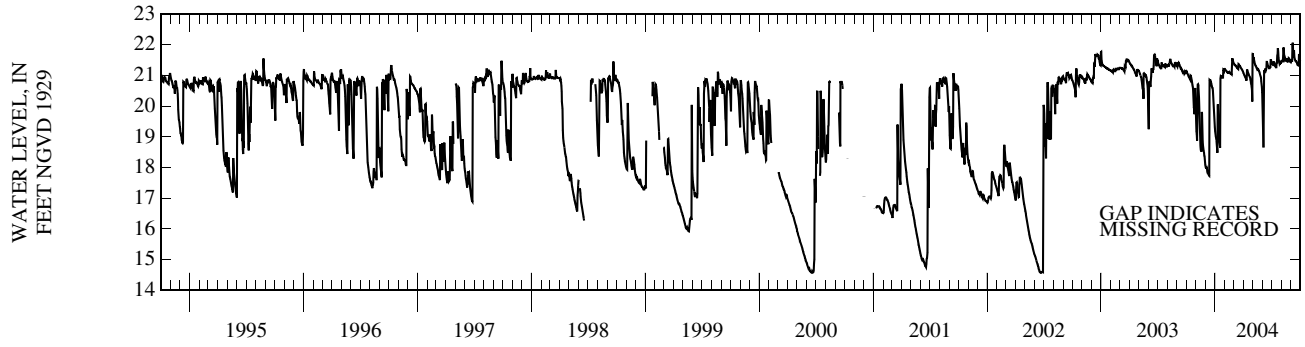
PERIOD OF RECORD.--June 1976 to current year. Prior to October 1976, published as Eureka Springs Landfill Shallow Well near Tampa; October 1976 to October 1992, published as Eureka Springs Landfill Shallow Well near Temple Terrace.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.07 ft NGVD, Sept. 6, 2004; lowest, 14.57 ft NGVD, June 21, 22, 23, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.14	19.44	18.07	19.18	21.21	21.39	21.09	21.69	20.02	21.41	21.48	21.53
2	21.13	19.18	18.02	19.10	21.20	21.37	21.06	21.53	19.57	21.38	21.48	21.49
3	21.10	19.08	17.99	19.02	21.18	21.35	21.03	21.59	19.00	21.37	21.46	21.46
4	21.07	18.88	17.99	18.95	21.17	21.35	21.01	21.55	18.66	21.36	21.46	21.44
5	21.05	19.50	18.00	18.89	21.16	21.33	20.98	21.47	19.37	21.34	21.46	21.97
6	21.03	20.70	17.95	18.77	21.15	21.32	20.96	21.43	21.14	21.34	21.64	22.07
7	21.00	20.71	17.86	18.64	21.14	21.31	20.94	21.39	21.14	21.43	21.91	21.81
8	20.97	20.65	17.83	18.48	21.11	21.31	20.91	21.36	21.13	21.43	21.86	21.59
9	20.95	20.49	17.84	19.97	21.10	21.29	20.88	21.34	21.20	21.39	21.66	21.79
10	20.94	20.28	17.87	20.06	21.10	21.27	20.83	21.31	21.20	21.35	21.64	21.79
11	20.91	19.99	17.82	19.73	21.09	21.26	20.88	21.30	21.19	21.33	21.55	21.60
12	20.89	19.61	17.74	19.31	21.08	21.25	21.17	21.28	21.17	21.30	21.49	21.54
13	20.87	19.30	17.73	19.11	21.08	21.23	21.17	21.25	21.21	21.28	21.50	21.51
14	21.00	18.97	20.86	18.96	21.11	21.22	21.13	21.23	21.44	21.27	21.53	21.49
15	20.99	18.70	20.85	18.85	21.12	21.21	21.10	21.20	21.44	21.24	21.52	21.47
16	20.93	18.58	20.81	18.76	21.10	21.37	21.08	21.22	21.41	21.41	21.49	21.47
17	20.88	18.58	20.82	18.65	21.09	21.36	21.05	21.22	21.37	21.42	21.48	21.46
18	20.83	18.52	20.78	20.90	21.07	21.34	21.03	21.21	21.33	21.64	21.53	21.44
19	20.76	19.81	20.76	20.98	21.06	21.33	21.00	21.19	21.31	21.68	21.53	21.41
20	20.69	19.76	20.71	20.97	21.05	21.31	20.98	21.16	21.29	21.89	21.48	21.38
21	20.64	19.20	20.66	20.97	21.05	21.30	20.96	21.14	21.27	21.78	21.46	21.39
22	20.55	18.86	20.63	20.96	21.04	21.28	20.94	21.11	21.24	21.58	21.46	21.38
23	20.45	18.71	20.61	20.95	21.03	21.26	20.88	21.07	21.21	21.49	21.46	21.35
24	20.20	18.62	20.59	20.93	21.35	21.24	20.83	21.03	21.27	21.44	21.56	21.33
25	19.93	18.54	20.50	20.93	21.56	21.22	20.76	21.00	21.27	21.41	21.55	21.32
26	19.99	18.51	20.31	20.93	21.52	21.21	20.71	20.96	21.25	21.38	21.53	21.70
27	19.74	18.40	20.13	21.19	21.49	21.19	20.63	20.92	21.50	21.40	21.49	21.66
28	20.46	18.35	19.94	21.18	21.44	21.17	20.53	20.81	21.50	21.39	21.46	21.55
29	20.59	18.23	19.74	21.16	21.41	21.16	20.15	20.72	21.46	21.41	21.44	21.50
30	20.28	18.10	19.53	21.15	---	21.14	21.70	20.63	21.44	21.41	21.43	21.47
31	19.79	---	19.32	21.20	---	21.12	---	20.43	---	21.47	21.48	---
MAX	21.14	20.71	20.86	21.20	21.56	21.39	21.70	21.69	21.50	21.89	21.91	22.07

CAL YR 2003 MAX 21.77
WTR YR 2004 MAX 22.07



WELL NUMBER.--280145082132501. Tampa Deep Well 15 near Dover, FL.

LOCATION.--Lat 28° 01'50", long 82° 13'25" (1927 North American datum), in NE 1/4 SE 1/4 sec.20, T.28 S., R.21 E., Hydrologic Unit 03100205, 0.3 mi north of Interstate 4, and 2.5 mi north of Dover.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 16 in., depth 413 ft, cased to 67 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute interval.

DATUM.--Land-surface datum is 69.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.91 ft above land-surface datum.

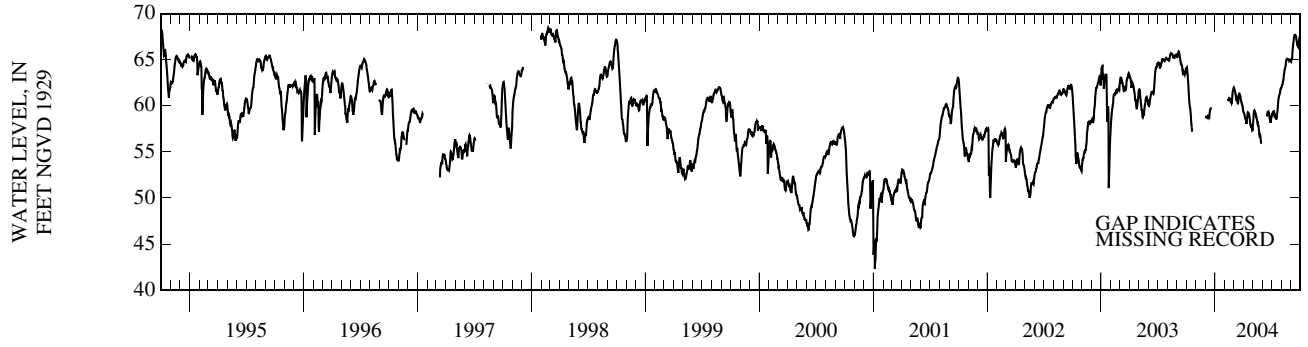
REMARKS.--Water levels affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--November 1958 to February 1990; October 1991 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 71.91 ft NGVD, Sept. 15, 1959; lowest, 42.30 ft NGVD, Jan. 5, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64.13	---	---	---	---	61.99	59.31	57.96	---	59.03	62.00	64.96
2	64.17	---	58.65	---	---	61.89	59.29	58.44	---	59.02	62.18	65.09
3	64.05	---	58.80	---	---	61.82	59.16	58.90	---	59.21	62.26	65.08
4	63.71	---	58.82	---	---	61.68	59.07	59.30	---	59.32	62.32	65.01
5	63.40	---	58.82	---	---	61.50	58.89	59.42	---	59.35	62.58	65.83
6	62.82	---	58.74	---	---	61.32	58.66	59.48	---	59.40	62.74	66.23
7	62.40	---	58.73	---	---	61.08	58.66	59.40	---	59.41	62.88	66.59
8	61.81	---	58.80	---	---	61.10	58.53	59.34	---	59.41	63.25	66.82
9	61.16	---	58.74	---	---	60.81	58.37	59.16	---	59.04	63.47	67.14
10	60.45	---	58.87	---	---	60.86	58.05	59.13	---	58.82	63.80	67.47
11	60.16	---	58.84	---	60.77	60.63	58.19	58.86	---	58.86	63.98	67.61
12	59.89	---	58.75	---	60.69	60.52	58.67	58.86	---	58.96	64.05	67.69
13	59.75	---	58.72	---	60.51	60.39	58.85	58.66	---	59.01	64.25	67.70
14	59.37	---	59.12	---	60.77	60.16	59.17	58.52	---	58.95	64.35	67.65
15	58.96	---	59.36	---	60.84	60.29	59.30	58.28	58.84	58.51	64.66	67.64
16	58.25	---	59.62	---	60.80	60.89	59.26	58.07	59.15	58.62	64.91	67.57
17	57.97	---	59.66	---	60.74	61.11	59.12	58.12	59.31	58.88	65.07	67.31
18	57.63	---	59.70	---	60.74	61.31	59.06	57.83	59.33	59.19	65.12	67.13
19	57.19	---	59.83	---	60.64	61.33	59.07	57.78	59.27	59.51	65.12	66.91
20	---	---	---	---	60.45	61.20	58.79	57.50	59.20	60.00	65.09	66.62
21	---	---	---	---	60.47	61.11	58.62	57.19	59.29	60.45	65.06	66.62
22	---	---	---	---	60.37	61.07	58.29	56.82	59.17	60.76	65.04	66.56
23	---	---	---	---	60.26	60.68	57.96	56.90	58.79	60.96	65.04	66.46
24	---	---	---	---	60.39	60.56	57.88	56.84	58.62	61.06	64.97	66.36
25	---	---	---	---	61.06	60.37	57.78	56.67	58.47	61.18	64.87	66.32
26	---	---	---	---	61.43	60.34	57.82	56.32	58.32	61.24	64.92	67.12
27	---	---	---	---	61.56	60.12	57.68	55.94	58.17	61.39	64.98	67.25
28	---	---	---	---	61.75	60.09	57.72	55.87	58.48	61.65	65.00	67.47
29	---	---	---	---	61.92	59.99	57.33	---	58.69	61.86	64.94	67.55
30	---	---	---	---	---	59.74	57.36	---	58.92	61.91	64.82	67.56
31	---	---	---	---	---	59.44	---	---	---	61.92	64.78	---
MAX	---	---	---	---	---	61.99	59.31	---	---	61.92	65.12	67.70



WELL NUMBER.--280209082280301. ROMP 66 Deep Well at Sulphur Springs, FL.

LOCATION.--Lat 28° 02'09", long 82° 28'03" (1927 North American datum), in SW 1/4 NW 1/4 sec.24, T.28 S., R.18 E., Hydrologic Unit 03100205, 50 ft east of North Boulevard, and 0.2 mi north of intersection Busch Boulevard and North Boulevard in Sulphur Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 250 ft, cased to 42 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

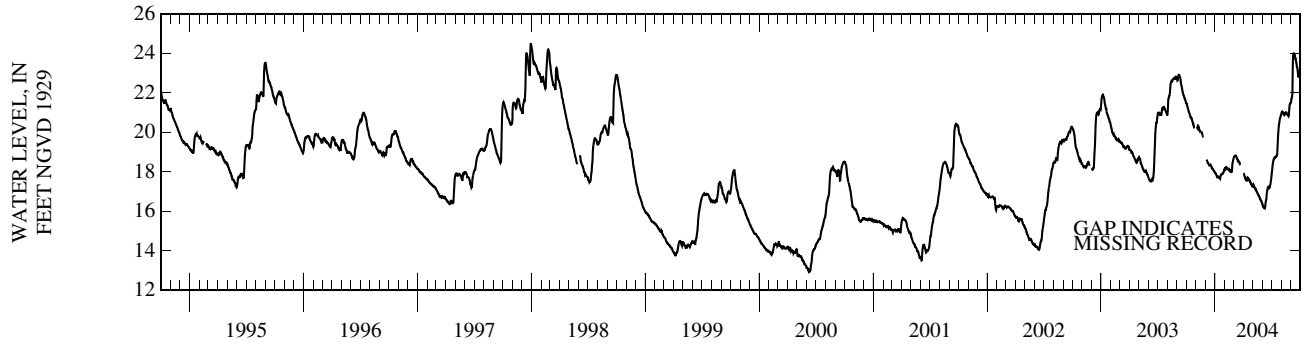
DATUM.--Land-surface datum is 38.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 4.00 ft above land-surface datum.

PERIOD OF RECORD.--August 1976 to September 2004 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.51 ft NGVD, Dec. 29, 1997; lowest, 12.04 ft NGVD, June 29, 1977.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.46	---	---	17.94	18.15	18.73	17.91	17.26	16.38	18.04	20.99	21.69
2	21.45	---	---	17.94	18.19	18.76	17.91	17.28	16.28	18.18	21.05	21.73
3	21.40	---	---	17.93	18.20	18.77	17.87	17.34	16.24	18.33	21.06	21.79
4	21.34	20.26	---	17.89	18.16	18.81	17.82	17.30	16.23	18.43	21.05	21.82
5	21.28	20.23	18.62	17.85	18.20	18.83	17.75	17.23	16.23	18.54	21.04	22.03
6	21.21	20.29	18.59	17.80	18.23	18.83	17.71	17.22	16.17	18.61	21.00	23.34
7	21.16	20.35	18.54	17.74	18.22	18.81	17.65	17.20	16.15	18.65	20.93	23.86
8	21.08	20.33	18.49	17.75	18.16	18.81	17.64	17.18	16.15	18.68	20.91	23.97
9	21.04	20.28	18.45	17.78	18.16	18.79	17.61	17.14	16.22	18.72	20.96	24.01
10	21.01	20.25	18.45	17.78	18.16	18.74	17.57	17.10	16.33	18.72	20.96	24.01
11	20.96	20.15	18.40	17.75	18.14	18.71	17.56	17.11	16.49	18.71	20.91	23.97
12	20.89	20.10	18.37	17.72	18.14	18.66	17.67	17.04	16.54	18.74	20.93	23.95
13	20.84	20.10	18.34	17.71	18.11	18.63	17.69	17.01	16.59	18.78	21.02	23.90
14	20.79	20.04	18.35	17.71	18.16	18.53	17.72	17.00	16.87	18.78	20.97	23.74
15	20.75	20.01	18.35	17.70	18.16	18.52	17.71	16.97	16.98	18.78	21.02	23.73
16	20.76	19.97	18.35	17.68	18.12	18.55	17.69	16.92	17.07	18.79	21.02	23.63
17	20.73	---	18.36	17.66	18.09	18.53	17.66	16.88	17.13	18.82	21.00	23.55
18	20.71	19.98	18.31	17.75	18.05	18.52	17.60	16.86	17.20	18.94	20.97	23.48
19	20.62	20.00	18.30	17.84	18.06	18.49	17.60	16.80	17.22	19.24	20.91	23.32
20	20.55	19.96	18.27	17.86	18.06	18.41	17.59	16.78	17.22	19.63	20.89	23.29
21	20.50	19.90	18.21	17.86	18.04	18.37	17.52	16.76	17.26	19.95	20.88	23.19
22	20.45	19.84	18.18	17.89	18.00	18.35	17.51	16.75	17.26	20.15	20.85	23.02
23	20.45	19.79	18.16	17.90	18.00	---	17.51	16.69	17.20	20.33	20.83	22.92
24	20.36	19.74	18.16	17.91	18.04	---	17.47	16.64	17.23	20.45	20.90	22.84
25	20.29	---	18.13	17.91	18.34	---	17.41	16.63	17.28	20.54	21.02	22.79
26	20.24	---	18.11	17.91	18.46	---	17.37	16.56	17.33	20.64	21.27	23.08
27	20.23	---	18.09	17.96	18.54	---	17.37	16.54	17.46	20.70	21.41	23.08
28	---	---	18.06	17.98	18.60	---	17.29	16.53	17.59	20.74	21.46	23.16
29	---	---	18.04	18.04	18.67	---	17.28	16.51	17.71	20.82	21.47	23.06
30	---	---	18.02	18.10	---	---	17.28	16.44	17.88	20.88	21.49	23.07
31	---	---	17.96	18.14	---	---	---	16.39	---	20.92	21.52	---
MAX	---	---	---	18.14	18.67	---	17.91	17.34	17.88	20.92	21.52	24.01



WELL NUMBER.--280320082203801. ROMP 67 Avon Park Well near Temple Terrace, FL.

LOCATION.--Lat 28° 03'20", long 82° 20'38"(1927 North American datum), in NW 1/4 SE 1/4 sec.7, T.28 S., R.20 E., Hydrologic Unit 03100205, 0.1 mi north of Fowler Avenue, and 2.0 mi east of Temple Terrace.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 490 ft, cased to 440 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 42.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 4.95 ft above land-surface datum.

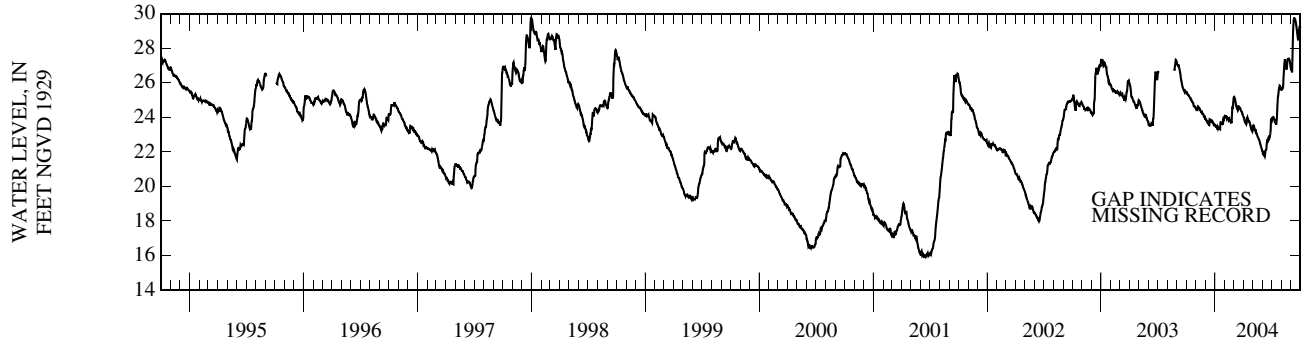
PERIOD OF RECORD.--September 1979 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey. Prior to October 1990, published as ROMP 67-1 Avon Park Well near Temple Terrace.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 31.78 ft NGVD, Oct. 2, 1979; lowest, 15.87 ft NGVD, June 13, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.46	24.50	23.94	23.51	24.09	25.17	24.04	23.41	22.04	23.83	25.62	26.78
2	25.46	24.45	23.90	23.54	24.08	25.19	24.00	23.38	21.91	23.94	25.66	26.73
3	25.44	24.47	23.85	23.52	24.07	25.15	23.97	23.53	21.85	23.95	25.63	26.64
4	25.40	24.44	23.83	23.46	24.02	25.10	23.86	23.51	21.83	23.96	25.65	26.61
5	25.34	24.43	23.82	23.46	24.04	25.00	23.77	23.43	21.89	24.01	25.73	27.34
6	25.32	24.57	23.78	23.43	24.06	24.90	23.75	23.37	21.82	24.00	25.81	28.29
7	25.28	24.63	23.72	23.37	24.02	24.78	23.68	23.33	21.79	23.93	26.25	28.98
8	25.26	24.61	23.68	23.39	23.90	24.69	23.66	23.30	21.74	23.89	26.52	29.36
9	25.25	24.56	23.68	23.47	23.94	24.65	23.66	23.22	21.83	23.84	26.86	29.59
10	25.22	24.55	23.70	23.46	23.96	24.58	23.60	23.16	22.06	23.80	27.15	29.73
11	25.20	24.53	23.59	23.34	23.92	24.52	23.67	23.19	22.10	23.71	27.31	29.74
12	25.15	24.50	23.56	23.37	23.91	24.51	23.95	23.08	22.12	23.70	27.37	29.72
13	25.11	24.49	23.55	23.38	23.86	24.49	23.99	23.06	22.15	23.74	26.93	29.70
14	25.11	24.43	23.83	23.37	23.95	24.39	23.90	23.03	22.42	23.67	26.90	29.63
15	25.03	24.40	23.80	23.36	23.96	24.42	23.88	22.96	22.60	23.59	26.93	29.56
16	25.01	24.35	23.87	23.34	23.84	24.63	23.86	22.89	22.58	23.81	26.84	29.45
17	25.00	24.35	23.87	23.32	23.84	24.62	23.84	22.86	22.59	23.96	26.80	29.33
18	24.97	24.31	23.85	23.71	23.80	24.60	23.77	22.83	22.59	24.46	26.81	29.17
19	24.89	24.38	23.84	23.72	23.83	24.58	23.77	22.77	22.74	24.78	27.05	29.02
20	24.87	24.29	23.81	23.71	23.83	24.54	23.76	22.73	22.82	25.17	27.30	28.85
21	24.86	24.25	23.67	23.67	23.79	24.52	23.70	22.71	22.86	25.26	27.37	28.71
22	24.85	24.22	23.77	23.65	23.70	24.51	23.61	22.66	22.84	25.41	27.38	28.56
23	24.81	24.20	23.79	23.64	23.71	24.45	23.52	22.58	22.81	25.60	27.37	28.46
24	24.72	24.17	23.75	23.64	24.14	24.38	23.49	22.48	22.91	25.70	27.44	28.64
25	24.64	24.14	23.66	23.61	24.54	24.35	23.41	22.45	22.95	25.73	27.38	28.68
26	24.63	24.05	23.65	23.63	24.52	24.33	23.34	22.35	23.07	25.83	27.35	29.12
27	24.62	24.03	23.63	23.86	24.55	24.29	23.35	22.30	23.27	25.81	27.27	29.07
28	24.63	24.04	23.58	23.83	24.87	24.21	23.23	22.27	23.88	25.75	27.17	29.29
29	24.61	23.93	23.60	23.89	25.09	24.17	23.20	22.21	23.91	25.69	27.04	29.18
30	24.56	23.91	23.58	23.94	---	24.13	23.32	22.13	23.86	25.65	26.88	29.28
31	24.52	---	23.53	24.03	---	24.08	---	22.07	---	25.56	26.78	---
MAX	25.46	24.63	23.94	24.03	25.09	25.19	24.04	23.53	23.91	25.83	27.44	29.74

WTR YR 2004 MAX 29.74



WELL NUMBER.--280503082143701. ROMP 68 Avon Park Well near Antioch, FL.

LOCATION.--Lat 28° 05'03", long 82° 14'37" (1927 North American datum), in SW 1/4 SW 1/4 sec.31, T.27 S., R.21 E., Hydrologic Unit 03100205, 2.0 mi north of Antioch, and 9.4 mi southwest of Zephyrhills.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 7 in., depth 490 ft, cased to 440 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

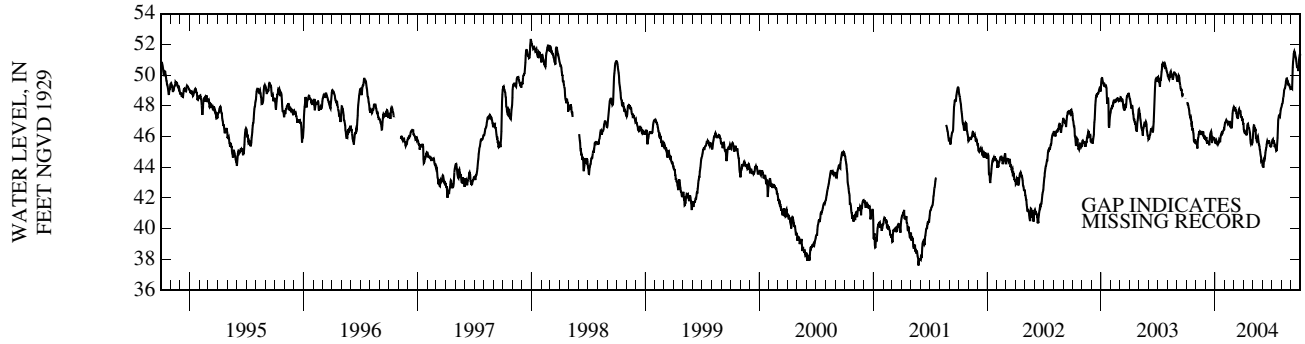
DATUM.--Land-surface datum is 56.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.39 ft above land-surface datum.

PERIOD OF RECORD.--August 1981 to current year. Prior to October 1990, published as ROMP 68-1 Avon Park Well near Antioch.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 52.36 ft NGVD, Dec. 29, 1997; lowest, 37.60 ft NGVD, May 25, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	45.54	45.91	45.55	46.76	47.93	46.83	46.05	44.11	45.60	47.91	49.16
2	---	45.60	45.78	45.61	46.90	47.88	46.45	46.35	44.06	45.72	48.07	49.22
3	---	45.69	45.87	45.58	46.93	47.87	46.38	46.60	44.02	45.79	48.11	49.11
4	48.24	45.36	45.97	45.65	46.95	47.81	46.30	46.72	44.02	45.82	48.15	49.10
5	48.10	45.22	45.68	45.71	47.03	47.74	46.32	46.71	44.29	45.69	48.28	49.87
6	48.09	45.63	45.59	45.63	47.08	47.77	46.21	46.50	44.55	45.76	48.48	50.52
7	48.05	45.85	45.58	45.56	47.02	47.62	46.20	46.49	44.60	45.64	48.56	50.88
8	47.89	45.92	45.64	45.63	46.91	47.68	46.19	46.50	44.56	45.61	48.79	51.07
9	47.83	46.11	45.62	45.63	47.00	47.52	46.25	46.40	44.70	45.59	48.98	51.37
10	47.67	46.24	45.71	45.61	46.86	47.48	46.08	46.41	44.93	45.31	49.06	51.49
11	47.44	46.23	45.59	45.51	46.79	47.32	46.13	45.85	45.10	45.42	49.12	51.55
12	47.38	46.25	45.56	45.56	46.83	47.26	46.48	45.97	45.19	45.38	49.16	51.46
13	47.26	46.30	45.43	45.65	46.76	47.25	46.69	45.74	45.26	45.27	49.31	51.44
14	47.19	46.25	45.73	45.78	46.87	47.15	46.82	45.68	45.47	45.28	49.41	51.26
15	47.23	46.17	45.95	45.74	46.94	47.29	46.84	45.71	45.63	45.07	49.56	51.17
16	47.09	46.26	46.14	45.73	46.92	47.60	46.71	45.96	45.72	45.09	49.63	51.12
17	46.80	46.23	46.22	45.63	46.77	47.74	46.57	46.00	45.69	45.29	49.77	50.89
18	46.84	46.10	46.27	45.89	46.81	47.78	46.55	45.82	45.59	45.57	49.78	50.74
19	46.66	46.30	46.33	46.04	46.71	47.66	46.54	45.67	45.58	45.91	49.64	50.57
20	46.39	46.30	46.21	46.10	46.72	47.52	46.42	45.48	45.60	46.61	49.59	50.46
21	46.53	46.25	46.05	46.19	46.59	47.61	46.30	45.47	45.67	47.07	49.49	50.55
22	46.38	46.19	45.57	46.24	46.59	47.62	46.20	45.35	45.74	47.18	49.54	50.54
23	46.26	46.28	45.75	46.21	46.59	47.43	45.82	45.15	45.61	47.33	49.46	50.35
24	46.17	46.28	45.90	46.18	46.68	47.27	45.59	45.07	45.49	47.30	49.37	50.34
25	45.73	46.09	45.85	46.25	47.17	47.25	45.50	44.86	45.40	47.30	49.38	50.27
26	45.66	45.97	45.91	46.31	47.50	47.32	45.55	44.74	45.38	47.34	49.36	51.00
27	45.64	45.99	45.88	46.36	47.69	47.10	45.54	44.66	45.35	47.31	49.25	51.13
28	45.70	46.06	45.88	46.42	47.78	47.11	45.63	44.41	45.35	47.47	49.20	51.30
29	45.81	45.86	45.89	46.47	47.88	47.17	45.58	44.44	45.38	47.68	49.12	51.39
30	45.73	45.84	45.88	46.42	---	47.00	45.69	44.36	45.58	47.82	49.14	51.28
31	45.55	---	45.74	46.59	---	46.83	---	44.34	---	47.85	49.14	---
MAX	---	46.30	46.33	46.59	47.88	47.93	46.84	46.72	45.74	47.85	49.78	51.55



WELL NUMBER.--280548082355701. St. Petersburg Deep Well E-100 near Citrus Park, FL.

LOCATION.--Lat 28° 05'48", long 82° 35'55" (1927 North American datum), in NW 1/4 NW 1/4 sec.34, T.27 S., R.17 E., Hydrologic Unit 03100206, at Cosme Water Plant, 1.2 mi west of State Highway 587, and 2.0 mi northwest of Citrus Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 10 in., depth 1,200 ft, cased to 656 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 41.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 1.60 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby wells.

PERIOD OF RECORD.--April 1972 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

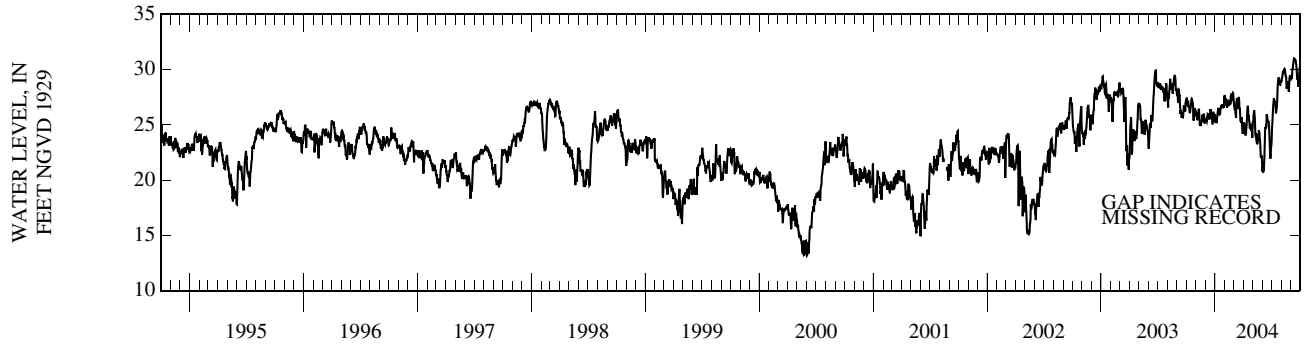
REVISED RECORDS.--WDR FL-75-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.14 ft NGVD, Oct. 1, 1979; lowest, 13.18 ft NGVD, June 1, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.24	26.08	25.37	25.47	27.62	27.01	24.86	25.30	20.77	24.49	28.94	29.24
2	27.46	26.05	25.27	25.20	27.11	26.65	25.22	25.25	21.22	25.08	29.23	29.22
3	27.36	26.12	25.56	25.69	27.29	26.60	25.10	25.91	20.68	25.69	29.26	29.24
4	27.06	25.51	25.36	25.49	27.42	26.35	25.07	26.09	21.05	26.30	29.53	29.49
5	26.66	25.50	25.31	25.65	27.19	26.67	24.80	26.30	20.87	26.79	29.79	30.09
6	27.01	25.54	25.74	25.16	26.80	26.03	24.42	25.98	21.60	27.05	29.78	30.13
7	27.05	25.77	25.53	25.67	26.78	25.89	24.13	25.59	22.19	27.29	29.64	30.37
8	26.66	25.91	25.99	25.92	26.56	25.63	24.05	24.97	23.60	27.39	29.76	30.65
9	26.67	26.47	25.96	26.16	27.00	27.01	24.32	24.19	24.47	27.03	30.02	30.88
10	26.61	26.35	25.84	26.23	27.04	27.15	24.65	24.02	24.82	27.07	30.07	31.01
11	26.15	26.02	25.67	26.54	27.27	27.41	25.06	24.06	24.64	26.96	30.00	31.00
12	26.13	25.45	25.78	26.31	27.01	27.30	25.78	23.77	24.82	26.83	29.91	30.77
13	26.19	24.94	25.50	26.14	26.77	26.97	26.35	23.45	24.76	26.73	29.58	30.87
14	26.50	25.02	25.74	26.07	26.79	26.72	26.65	23.36	25.96	26.04	29.39	30.88
15	26.73	24.99	26.00	25.94	26.89	26.50	26.65	23.32	25.84	26.23	29.44	30.85
16	26.95	24.91	26.11	25.97	26.89	27.41	25.99	23.36	25.79	26.47	29.30	30.61
17	27.29	25.12	26.43	26.02	27.02	27.54	25.64	23.66	25.32	26.64	28.36	30.51
18	27.35	25.26	26.27	26.39	27.17	27.24	25.88	23.92	25.33	27.24	28.36	29.99
19	27.26	25.33	25.96	26.59	26.85	26.41	25.42	23.86	25.22	28.23	28.57	29.65
20	27.08	25.66	26.10	26.47	27.53	26.55	25.29	24.53	25.36	28.78	28.61	29.12
21	26.97	25.59	25.68	26.79	27.65	25.96	24.79	24.38	25.18	29.10	28.79	29.28
22	26.66	25.83	25.71	26.57	27.57	25.40	24.63	24.31	24.91	29.24	28.79	29.33
23	25.77	25.84	25.30	26.88	27.44	25.32	25.00	23.64	24.12	29.24	28.91	28.43
24	25.40	25.83	25.04	26.62	27.16	25.18	25.10	23.51	23.31	29.17	28.02	28.58
25	25.51	25.90	25.42	26.61	27.68	25.50	24.57	22.95	22.43	28.86	28.41	28.64
26	26.09	26.02	26.19	26.89	27.81	25.68	24.57	22.05	21.95	28.61	29.20	29.22
27	26.33	25.30	25.80	26.77	27.88	25.17	24.80	22.10	22.20	28.67	29.30	29.71
28	26.50	25.15	25.51	26.81	27.83	24.41	24.40	22.15	22.92	28.65	29.51	30.09
29	26.25	25.53	25.59	26.57	27.42	24.29	23.83	22.16	23.08	28.84	29.39	30.05
30	26.34	25.34	25.99	27.32	---	24.21	24.75	21.94	23.57	29.05	29.25	30.02
31	26.01	---	25.85	27.62	---	24.63	---	21.33	---	28.86	29.17	---
MAX	27.46	26.47	26.43	27.62	27.88	27.54	26.65	26.30	25.96	29.24	30.07	31.01

CAL YR 2003 MAX 29.91
WTR YR 2004 MAX 31.01



WELL NUMBER.--280740082271001. Debuel Road Deep Well near Lutz, FL.

LOCATION.--Lat 28° 07'40", long 82° 27'10" (1927 North American datum), in SE 1/4 SE 1/4 sec.13, T.27 S., R.18 E., Hydrologic Unit 03100205, 0.7 mi east of intersection U. S. Highway 41 and Debuel Road, and 1.8 mi south of Lutz.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 300 ft, cased to 118 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

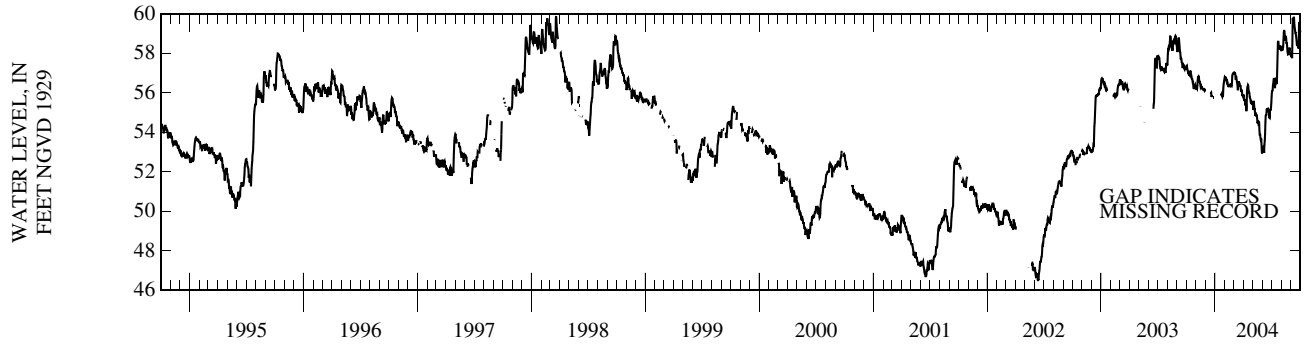
DATUM.--Land-surface datum is 63.68 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--August 1965 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 60.13 ft NGVD, Sept. 27, 1979; lowest, 46.48 ft NGVD, June 12, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57.37	56.23	56.09	---	56.81	57.03	55.88	55.40	53.13	56.06	58.24	57.96
2	57.39	56.27	---	---	56.78	57.01	55.88	55.15	52.99	56.10	58.32	57.94
3	57.32	56.23	---	---	56.78	56.99	55.70	55.56	53.17	56.12	58.21	57.82
4	57.21	56.21	---	---	56.72	57.02	55.59	55.56	53.32	56.35	58.15	57.76
5	57.17	56.40	---	---	56.73	57.00	55.69	55.32	53.26	56.47	58.33	58.88
6	57.09	56.66	---	---	56.66	56.85	55.54	55.18	52.96	56.60	58.34	59.79
7	56.96	56.81	---	---	56.58	56.68	55.36	55.18	53.39	56.70	58.69	59.68
8	57.03	56.83	---	---	56.53	56.87	55.42	54.97	53.58	56.75	59.05	59.60
9	56.93	56.76	---	---	56.56	56.77	55.47	54.85	53.92	56.61	59.19	59.86
10	56.93	56.77	---	---	56.49	56.69	55.08	55.01	54.50	56.45	59.10	59.78
11	56.90	56.62	---	---	56.36	56.56	55.36	54.95	54.86	56.25	58.94	59.45
12	57.03	56.57	---	---	56.35	56.51	56.09	54.84	54.88	56.53	58.79	59.33
13	57.10	56.57	---	---	56.34	56.34	56.29	54.83	54.89	56.77	58.66	59.21
14	57.10	56.48	---	---	56.34	56.14	56.33	54.84	55.17	56.66	58.76	59.05
15	57.00	56.41	---	---	56.37	56.42	56.40	54.65	55.18	56.49	58.90	59.04
16	56.94	56.29	---	---	56.38	56.53	56.37	54.46	55.10	56.45	58.74	58.92
17	56.83	56.32	55.96	---	56.38	56.59	56.13	54.54	55.19	56.57	58.50	58.81
18	56.70	56.22	55.99	---	56.36	56.50	55.97	54.60	55.19	57.17	58.55	58.64
19	56.75	56.28	56.01	55.92	56.44	56.49	56.06	54.43	55.14	57.85	58.32	58.43
20	56.64	56.29	55.85	55.92	56.44	56.42	56.01	54.45	55.17	58.55	58.10	58.41
21	56.53	56.20	55.79	55.91	56.40	56.34	55.79	54.46	55.13	58.64	58.01	58.60
22	56.54	56.19	55.88	55.95	56.38	56.39	55.77	54.07	54.99	58.52	58.03	58.48
23	56.41	56.21	55.83	55.86	56.36	56.23	55.71	53.85	54.75	58.28	57.92	58.41
24	56.26	56.21	---	55.82	56.51	56.05	55.57	53.93	54.73	58.34	58.13	58.38
25	56.21	56.16	55.77	55.88	56.86	56.14	55.46	53.73	55.11	58.41	58.21	58.25
26	56.27	56.16	55.77	55.84	56.95	56.13	55.55	53.63	55.15	58.29	58.30	59.41
27	56.33	56.17	---	56.25	56.98	56.02	55.52	53.65	55.15	58.19	58.23	59.60
28	56.36	56.12	---	56.44	56.98	55.85	55.41	53.69	55.26	58.26	58.17	59.35
29	56.40	56.14	---	56.54	57.02	55.93	55.49	53.38	55.50	58.39	58.10	59.21
30	56.31	56.10	---	56.62	---	55.85	55.46	52.99	55.83	58.33	57.93	59.08
31	56.22	---	---	56.69	---	55.81	---	52.94	---	58.12	57.90	---
MAX	57.39	56.83	---	---	57.02	57.03	56.40	55.56	55.83	58.64	59.19	59.86



WELL NUMBER.--280944082380501. Eldridge-Wilde Deep Well N-4 near Tarpon Springs, FL.

LOCATION.--Lat 28° 09'44", long 82° 38'05" (1927 North American datum), in NE 1/4 SE 1/4 sec.6, T.27 S., R.17 E., Hydrologic Unit 03100207, 3.8 mi northeast of intersection State Highway 582 and East Lake Road, and 6.4 mi east of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 350 ft, cased to 100 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 41.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 1.64 ft above land-surface datum.

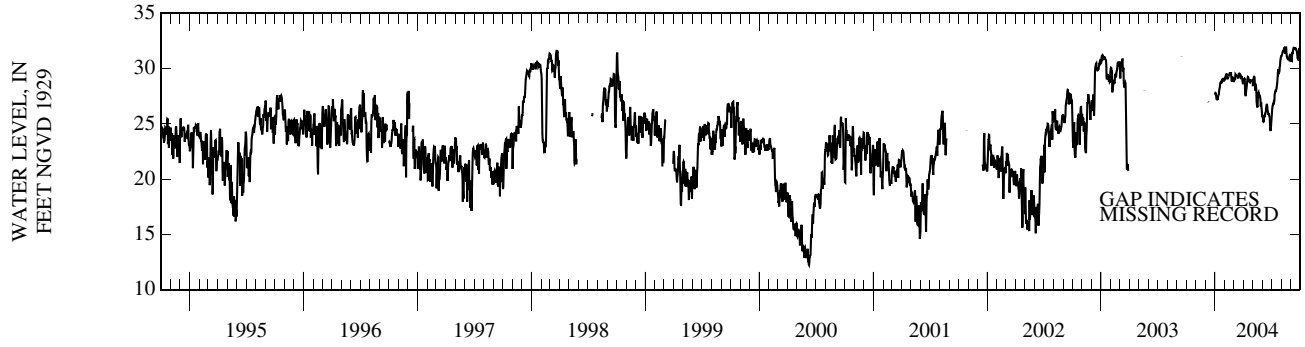
REMARKS.--Water level affected by pumping of nearby wells.

PERIOD OF RECORD.--July 1977 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 31.92 ft NGVD, Aug. 11, 2004; lowest, 12.25 ft NGVD, June 8, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	27.74	29.09	28.87	28.91	28.42	25.64	26.06	31.13	30.73
2	---	---	---	27.79	29.09	28.94	29.04	28.77	25.58	26.40	31.22	30.77
3	---	---	---	27.76	29.24	29.18	29.06	29.08	25.26	26.62	31.30	30.74
4	---	---	---	27.57	29.32	29.03	29.10	29.26	25.21	26.74	31.44	31.35
5	---	---	---	27.31	29.43	29.04	29.05	29.27	25.23	26.75	31.58	31.52
6	---	---	---	27.23	29.51	29.49	27.90	29.24	25.81	26.88	31.62	31.31
7	---	---	---	27.22	29.51	29.45	27.60	28.67	25.69	26.97	31.61	31.67
8	---	---	---	27.28	29.22	29.38	27.60	28.61	25.59	26.93	31.64	31.81
9	---	---	---	27.19	29.11	29.37	27.90	28.03	25.91	27.02	31.85	31.89
10	---	---	27.02	27.37	29.12	29.35	28.14	28.32	25.92	27.72	31.88	31.89
11	---	---	26.97	27.50	29.11	29.34	28.34	28.38	26.02	27.86	31.92	31.87
12	---	---	---	27.60	29.19	29.34	28.66	28.15	26.35	27.96	31.91	31.84
13	---	---	---	27.67	29.29	29.29	28.98	27.05	26.60	28.02	31.35	31.83
14	---	---	---	28.02	29.36	29.19	29.16	26.72	26.74	27.99	31.58	31.81
15	---	---	---	28.18	29.48	29.19	29.25	26.57	26.74	28.07	31.84	31.84
16	---	---	---	28.32	29.55	29.43	29.22	26.49	26.49	28.25	31.87	31.81
17	---	---	---	28.58	29.54	29.52	28.96	27.34	26.26	28.46	31.34	31.72
18	---	---	---	28.73	29.54	29.53	28.89	27.78	26.14	28.70	31.10	31.64
19	---	---	---	28.78	29.60	29.46	28.85	27.84	26.04	29.13	30.99	31.52
20	---	---	---	28.73	29.60	29.41	28.81	27.62	25.82	29.60	30.91	31.23
21	---	---	---	28.74	29.60	29.47	28.76	27.67	25.97	29.85	30.88	30.97
22	---	---	---	28.85	29.25	29.43	28.75	27.64	25.79	29.95	30.93	30.93
23	---	---	---	28.97	28.89	29.19	28.95	27.56	25.74	29.58	30.95	31.18
24	---	---	---	29.09	28.90	29.22	28.94	27.43	25.64	29.64	30.89	30.94
25	---	---	---	28.94	29.14	29.27	28.81	27.26	24.74	29.74	30.84	30.72
26	---	---	---	28.98	29.27	29.27	28.91	26.60	24.48	30.10	30.95	31.43
27	---	---	---	29.08	29.08	29.20	28.91	26.88	24.36	30.26	31.22	31.88
28	---	---	---	29.09	28.88	28.95	28.89	26.89	24.86	30.65	31.26	31.52
29	---	---	---	28.92	28.88	28.88	28.88	26.39	25.30	30.86	31.24	30.63
30	---	---	---	28.91	---	28.68	28.89	26.10	25.70	31.02	31.07	30.62
31	---	---	27.78	28.92	---	28.60	---	25.69	---	31.11	30.72	---
MAX	---	---	---	29.09	29.60	29.53	29.25	29.27	26.74	31.11	31.92	31.89



HILLSBOROUGH COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
274031082150401	ROMP 123 FLORIDAN WELL NEAR WIMAUMA FL	20040519	-4.98	NGVD29
		20040920	25.74	NGVD29
274214082084401	FT LONESOME WELL 88 AT FORT LONESOME FL	20040518	104.85	NGVD29
		20040920	111.72	NGVD29
274218082035701	BARBER WELL 422 NEAR FORT LONESOME FL	20040518	121.65	NGVD29
		20040920	125.46	NGVD29
274303082280901	SW HILLS CO WELL 71 NEAR RUSKIN FL	20040520	7.73	NGVD29
274427082083701	ROMP 48 FLORIDAN WELL NEAR FORT LONESOME FL	20040518	21.72	NGVD29
		20040920	48.46	NGVD29
274427082083702	ROMP 48 HAWTHORN WELL NEAR FORT LONESOME FL	20040518	90.96	NGVD29
		20040920	95.75	NGVD29
274428082251502	ROMP TR 9-3 SUWANNEE WELL NEAR RUSKIN FL	20040526	-.73	NGVD29
		20040922	10.77	NGVD29
274428082251503	ROMP TR 9-3 AVON PARK WELL NEAR RUSKIN FL	20040526	-7.79	NGVD29
274546082151403	ROMP 49 AVON PARK WELL AT BALM FL	20040518	5.83	NGVD29
		20040920	32.84	NGVD29
274546082151405	ROMP 49 TAMPA WELL AT BALM FL	20040518	9.16	NGVD29
		20040920	37.64	NGVD29
274554082233801	ROMP TR9-2 AVON PARK WELL AT APOLLO BEACH FL	20040526	-.11	NGVD29
		20040922	11.82	NGVD29
274554082233802	ROMP TR9-2 OCALA WELL AT APOLLO BEACH FL	20040526	1.87	NGVD29
		20040922	13.75	NGVD29
274554082233803	ROMP TR9-2 SUWANNEE WELL AT APOLLO BEACH FL	20040526	2.21	NGVD29
		20040922	14.42	NGVD29
274554082233804	ROMP TR9-2 TAMPA WELL AT APOLLO BEACH FL	20040526	2.24	NGVD29
		20040922	13.37	NGVD29
274554082233805	ROMP TR9-2 SURFICIAL WELL AT APOLLO BEACH FL	20040526	6.92	NGVD29
		20040922	9.18	NGVD29
274748082130201	SIMMONS FISH FARM NEAR LITHIA FL	20040518	1.74	NGVD29
		20040920	30.97	NGVD29
274925082084301	WCRWSA SCHM-6 UPPER FLORIDAN WELL NEAR LITHIA FL	20040519	22.84	NGVD29
		20040922	47.92	NGVD29
274925082084302	WCRWSA SCHM-6 INTERMEDIATE WELL NEAR LITHIA FL	20040519	65.26	NGVD29
		20040922	75.19	NGVD29
274928082225501	SW HILLSBOROUGH COUNTY 220 AT ADAMSVILLE FL	20040517	4.52	NGVD29
		20040923	9.22	NGVD29
274941082115701	WCRWSA SCHM-7 FLORIDAN WELL NEAR LITHIA FL	20040519	13.88	NGVD29
		20040922	36.67	NGVD29

HILLSBOROUGH COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
274947082145401	749 214 113 CAMP DOROTHY THOMAS NEAR BOYETTE FL	20040518	9.50	NGVD29
		20040920	28.26	NGVD29
275034082134001	WCRWSA SCHM-1 UPPER FLORIDAN WELL NEAR LITHIA FL	20040519	12.91	NGVD29
		20040922	31.38	NGVD29
275100082042001	WCRWSA SCHM-5 UPPER FLORIDAN WELL NEAR LITHIA FL	20040519	41.45	NGVD29
		20040922	64.83	NGVD29
275100082042002	WCRWSA SCHM-5 INTERMEDIATE WELL NEAR LITHIA FL	20040519	60.11	NGVD29
		20040922	70.82	NGVD29
275117082090001	BLACK & TURNER FL	20040519	16.56	NGVD29
		20040921	42.36	NGVD29
275130082194501	RIVERCREST WELL NEAR BLOOMINGDALE FL	20040517	9.48	NGVD29
		20040920	18.42	NGVD29
275146082084301	WCRWSA SC-4 UPPER FLORIDAN WELL NEAR LITHIA FL	20040519	14.62	NGVD29
		20040922	38.35	NGVD29
275147082083903	WCRWSA SC-4 UPPER INTERMEDIATE WELL NEAR LITHIA FL	20040519	30.76	NGVD29
		20040922	45.83	NGVD29
275152082035801	EDISON JCT FLORIDAN WELL NEAR KEYSVILLE FL	20040519	44.50	NGVD29
		20040922	66.45	NGVD29
275152082121401	WCRWSA SC-1 FLORIDAN WELL NEAR LITHIA FL	20040519	14.02	NGVD29
		20040922	30.46	NGVD29
275158082085101	WCRWSA GRASSY GULCH FLORIDAN WELL NEAR LITHIA FL	20040519	15.06	NGVD29
		20040922	38.72	NGVD29
275210082171001	MCMULLEN CAMPGROUND SO E RIVERVIEW FL	20040517	9.42	NGVD29
		20040920	9.75	NGVD29
275227082310101	ROBINSON HIGH SCHOOL STADIUM DEEP WELL AT TAMPA FL	20040517	.44	NGVD29
		20040921	1.04	NGVD29
275232082052603	WCRWSA SC-15 UPPER INTERMEDIATE WELL NR LITHIA FL	20040519	35.09	NGVD29
		20040922	61.75	NGVD29
275235082033601	WCRWSA SCGM-4 FLORIDAN WELL NEAR LITHIA FL	20040519	44.94	NGVD29
		20040922	67.36	NGVD29
275235082033602	WCRWSA SCHM-4 INTERMEDIATE WELL NEAR LITHIA FL	20040519	74.67	NGVD29
		20040922	87.49	NGVD29
275316082285901	TAMPA YACHT AND RIDING STABLES AT BALLAST POINT FL	20040517	2.21	NGVD29
		20040921	2.94	NGVD29
275323082080601	WCRWSA SCHM-11 FLORIDAN WELL NEAR LITHIA FL	20040519	17.96	NGVD29
		20040922	47.57	NGVD29
275336082125401	WCRWSA SCHM-8 FLORIDAN WELL NEAR LITHIA FL	20040519	11.06	NGVD29
		20040922	21.93	NGVD29
275336082125402	WCRWSA SCHM-8 INTERMEDIATE WELL NEAR LITHIA FL	20040519	10.91	NGVD29
		20040922	21.43	NGVD29

HILLSBOROUGH COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275402082222701	ROMP TR10-2 DEEP WELL NEAR TAMPA FL	20040517	9.74	NGVD29
		20040920	14.90	NGVD29
275402082222702	ROMP TR 10-2 SHALLOW WELL NEAR TAMPA FL	20040517	12.23	NGVD29
		20040920	14.16	NGVD29
275429082093901	ROMP 61 FLORIDAN WELL NEAR PLEASANT GROVE FL	20040519	28.87	NGVD29
		20040921	47.85	NGVD29
275429082093902	WCRWSA SCHM-9 INTERMEDIATE WELL NEAR LITHIA FL	20040519	33.74	NGVD29
		20040922	50.72	NGVD29
275438082162301	OAKMONT DEEP NEAR BRANDON FL	20040519	12.37	NGVD29
		20040922	25.04	NGVD29
275458082310301	M.MURPHY,4317 SAN LUIS AT TAMPA FL	20040517	4.80	NGVD29
		20040921	5.77	NGVD29
275526082301301	PLANT HIGH SCHOOL STADIUM DEEP WELL AT TAMPA FL	20040517	9.66	NGVD29
		20040921	10.82	NGVD29
275547082044801	WCRWSA SCHM-3 FLORIDAN WELL NEAR LITHIA FL	20040519	52.45	NGVD29
		20040922	72.97	NGVD29
275547082044802	WCRWSA SCHM-3 INTERMEDIATE WELL NEAR LITHIA FL	20040519	66.06	NGVD29
		20040922	70.96	NGVD29
275609082191401	HILLSBOROUGH MEM CEM DEEP NEAR BRANDON FL	20040517	10.88	NGVD29
		20040921	24.95	NGVD29
275613082094401	WCRWSA SCHM-2 FLORIDAN WELL NEAR LITHIA FL	20040519	40.61	NGVD29
		20040922	59.31	NGVD29
275613082094402	WCRWSA SCHM-2 INTERMEDIATE WELL NEAR LITHIA FL	20040519	60.09	NGVD29
		20040922	67.23	NGVD29
275630082275201	NCNB NAT'L BANK,249 SO HYDE PARK AT TAMPA,FL	20040517	7.43	NGVD29
		20040921	9.47	NGVD29
275631082293801	A.MESSINA,305 SO MACDILL AVE AT TAMPA FL	20040517	10.20	NGVD29
		20040921	12.44	NGVD29
275634082305701	CLEVELAND AND HUBERT DEEP WELL AT TAMPA FL	20040517	1.20	NGVD29
		20040921	3.25	NGVD29
275705082222001	ROMP TR 11-2 SUWANNEE WELL NEAR TAMPA FL	20040517	13.65	NGVD29
		20040920	18.91	NGVD29
275759082085402	ROMP DV-2 LOWER HAWTHORN WELL AT DOVER FL	20040526	53.87	NGVD29
		20040922	75.61	NGVD29
275820082324602	ROMP TR 12-1 NRSD RPLC. WELL NEAR TAMPA, FL	20040517	4.75	NGVD29
		20040920	6.03	NGVD29
275843082222201	W.D.FUSSELL 618 WELL NEAR TAMPA FL	20040520	17.90	NGVD29
		20040923	21.70	NGVD29
275905082292901	THE WOODLANDS APTS,4714 NO HABANA AT TAMPA FL	20040518	13.99	NGVD29
		20040920	18.64	NGVD29

HILLSBOROUGH COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275926082123402	ROMP DV-1 LOWER HAWTHORN WELL AT DOVER FL	20040527	48.71	NGVD29
		20040922	63.38	NGVD29
275926082123403	ROMP DV-1 SUWANNEE WELL AT DOVER FL	20040527	48.27	NGVD29
		20040922	63.33	NGVD29
275926082123404	ROMP DV-1 AVON PARK WELL AT DOVER FL	20040527	48.42	NGVD29
		20040922	63.92	NGVD29
280012082204901	USCE WELL TBC-05 NEAR TEMPLE TERRACE FL	20040519	17.34	NGVD29
		20040921	21.83	NGVD29
280042082142301	GRIFFIN 2 DEEP WELL NEAR DOVER FL	20040520	44.17	NGVD29
		20040924	53.89	NGVD29
280243082203701	USCE TEST TBC-01 802-220-411 NEAR THONOTOSASSA FL	20040517	20.85	NGVD29
		20040921	26.44	NGVD29
280305082185101	J. W. MORRIS WELL NEAR TEMPLE TERRACE FL	20040520	24.97	NGVD29
		20040921	35.00	NGVD29
280350082104401	FISHER FL	20040517	81.42	NGVD29
		20040921	87.31	NGVD29
280354082335501	WELL 803 233 5455 FL	20040518	14.98	NGVD29
		20040920	22.23	NGVD29
280354082381901	ROMP TR 13-3 FLRD WELL NEAR CITRUS PARK FL	20040518	14.77	NGVD29
		20040920	17.23	NGVD29
280413082061401	MA QUAGLIANI WELL NEAR PLANT CITY FL	20040517	88.14	NGVD29
		20040921	96.20	NGVD29
280420082285501	USGS DEEP WELL 402 NEAR LUTZ FL	20040518	37.25	NGVD29
		20040920	42.23	NGVD29
280438082075301	MARTIN M GRIFFIN ROAD WELL NEAR KNIGHTS FL	20040517	92.84	NGVD29
		20040921	98.84	NGVD29
280503082143702	ROMP 68 SUWANNEE WELL NEAR ANTIOCH FL	20040511	46.36	NGVD29
		20040921	50.67	NGVD29
280504082365501	ST PETE DEEP WELL E 102 NEAR CITRUS PARK FL	20040518	17.38	NGVD29
		20040920	22.81	NGVD29
280510082043801	T-2 DEEP FLRD WELL ON CONE RANCH NR ZEPHYRHILLS FL	20040512	97.18	NGVD29
		20040915	104.10	NGVD29
280550082202901	MORRIS BRIDGE DEEP 10 NEAR BRANCHTON FL	20040524	24.09	NGVD29
		20040913	29.91	NGVD29
280603082385401	ST PETE E-103 DEEP NEAR OLDSMAR FL	20040518	18.03	NGVD29
		20040921	21.74	NGVD29
280605082184101	MORRIS BRIDGE DEEP WELL 12 NEAR BRANCHTON FL	20040524	24.16	NGVD29
280655082193001	MORRIS BRIDGE DEEP WELL 3A NEAR BRANCHTON FL	20040524	27.24	NGVD29
		20040913	35.73	NGVD29

HILLSBOROUGH COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
280659082175201	MORRIS BRIDGE DEEP 13 NEAR BRANCHTON FL	20040524	26.00	NGVD29
		20040913	35.45	NGVD29
280659082294302	BERGER DEEP WELL NEAR LUTZ FL	20040518	42.27	NGVD29
		20040920	47.08	NGVD29
280659082294303	BERGER SHALLOW WELL 2 NEAR CITRUS PARK FL	20040518	50.71	NGVD29
		20040920	54.25	NGVD29
280702082302801	HILLSBOROUGH DEEP WELL 13 NEAR CITRUS PARK FL	20040518	37.04	NGVD29
		20040920	41.56	NGVD29
280702082302802	HILLSBOROUGH SHALLOW WELL 13 NEAR CITRUS PARK FL	20040518	48.89	NGVD29
		20040920	52.56	NGVD29
280734082313301	SEC 21 GOODWIN WELL NEAR LUTZ FL	20040518	37.86	NGVD29
		20040920	42.08	NGVD29
280738082282701	BRANT LAKE DEEP WELL 472 NEAR LUTZ FL	20040518	51.75	NGVD29
		20040920	55.60	NGVD29
280852082135601	HILLSBOROUGH RD STATE PARK DP NEAR ZEPHYRHILLS FL	20040519	38.28	NGVD29
		20040921	44.62	NGVD29
280901082310401	ROMP-01 DEEP WELL NEAR CITRUS PARK FL	20040518	46.03	NGVD29
		20040921	49.35	NGVD29
280920082322101	LUTZ-LAKE FERN DEEP NEAR LUTZ FL	20040518	42.62	NGVD29
		20040920	47.00	NGVD29
280926082162101	MORRIS BRIDGE DEEP WELL 532 NEAR BRANCHTON FL	20040520	42.19	NGVD29
		20040921	46.87	NGVD29

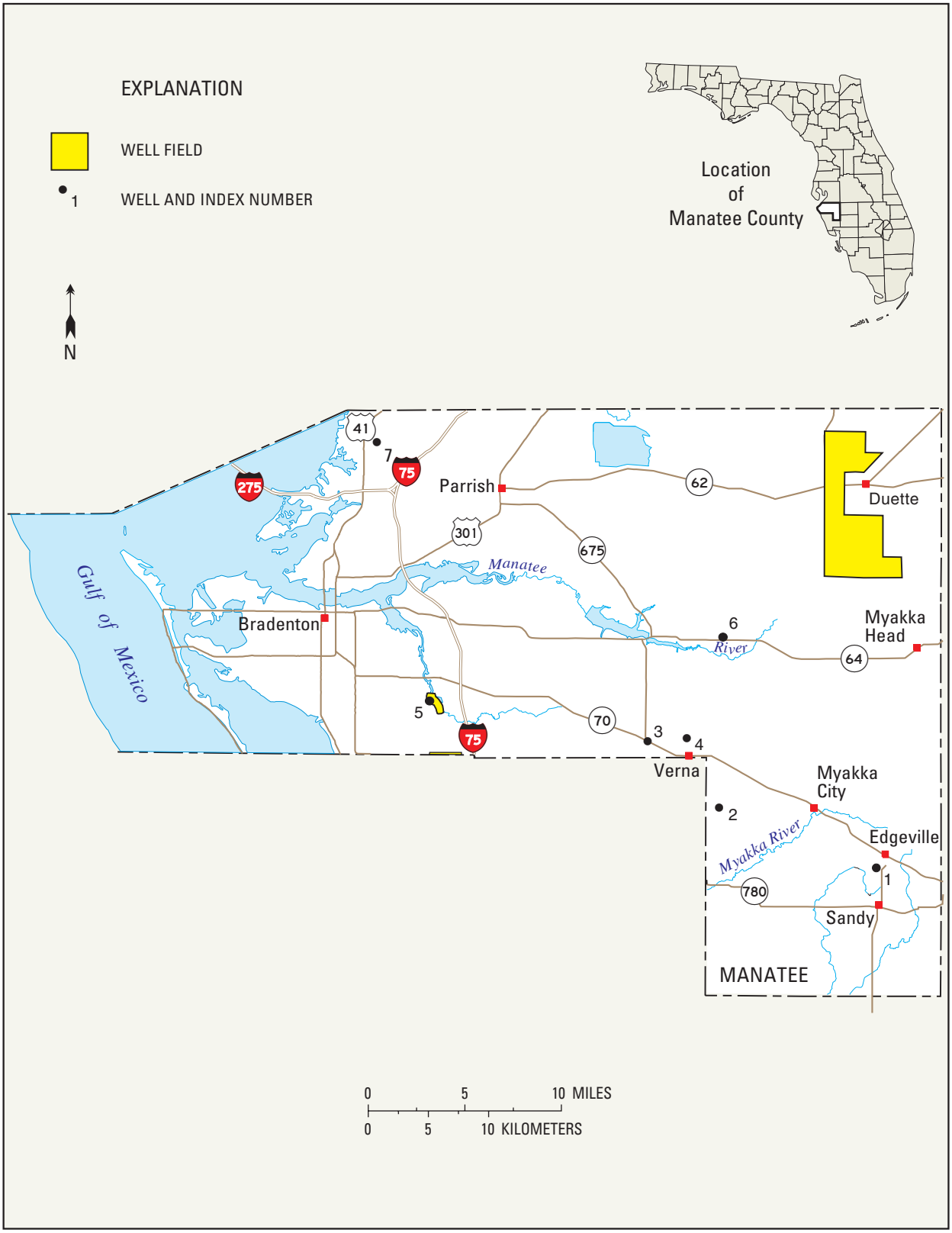


Figure 18.-- Location of wells in Manatee County.

KEY TO SITE LOCATIONS ON FIGURE 18

MANATEE COUNTY

INDEX NUMBER	SITE NUMBER
1	271832082064801
2	272058082143701
3	272356082181302
4	272404082161701
5	272539082292001
5	272539082292002
5	272539082292003
5	272539082292004
5	272539082292005
6	272838082142201
7	273718082315501

MANATEE COUNTY

WELL NUMBER.--271832082064801. Edgeville Deep Well 3 at Edgeville, FL.

LOCATION.--Lat 27° 18'32", long 82° 06'48" (1927 North American datum), in NE 1/4 NW 1/4 sec.33, T.36 S., R.22 E., Hydrologic Unit 03100102, 0.5 mi southwest of Edgeville, and 4.3 mi east of Myakka City.

AQUIFER.--Limestone aquifer of Oligocene Age, Geologic Unit 123LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 600 ft, cased to 487 ft.

INSTRUMENTATION.--Water-stage and tipping bucket raingage recorders--60-minute interval.

DATUM.--Elevation of land-surface datum is 70 ft, from topographic map. Measuring point: Top of flange, 2.95 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby irrigation wells. Collection, computation and publication of precipitation data do not necessarily conform to standards used by the National Weather Service.

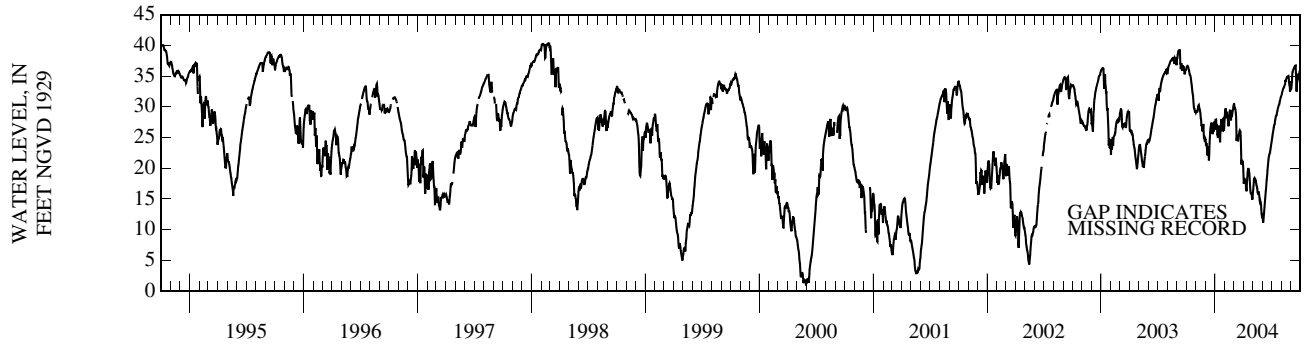
PERIOD OF RECORD.--October 1965 to February 1978 (periodic); March 1978 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.40 ft NGVD, Oct. 31, 1965; lowest daily maximum, 1.13 ft NGVD, May 29, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36.31	29.05	24.74	27.23	28.51	30.43	18.82	16.02	12.12	24.70	31.87	33.06
2	36.49	29.15	24.28	27.86	29.14	30.41	17.47	16.58	11.63	25.04	32.12	33.48
3	36.61	29.27	23.63	27.86	29.55	29.82	18.20	17.20	11.15	25.43	32.31	34.14
4	36.66	29.26	24.13	27.91	29.74	29.52	18.38	18.03	11.56	25.75	32.48	34.82
5	36.69	29.26	23.72	26.99	28.16	29.66	18.11	18.34	12.43	26.04	32.74	35.67
6	36.64	29.50	23.28	27.20	29.02	29.57	17.64	18.42	13.20	26.36	32.93	35.72
7	36.37	29.96	22.11	26.44	29.22	29.04	17.95	18.23	13.83	26.65	33.02	35.91
8	36.21	30.11	23.44	25.38	28.21	28.38	17.54	17.89	14.35	26.87	33.10	36.05
9	36.03	29.99	23.43	25.56	28.64	26.98	16.81	17.91	14.96	27.07	33.23	36.17
10	35.76	30.12	22.05	24.99	28.18	24.47	16.24	18.00	15.56	27.15	33.41	36.28
11	35.36	29.96	22.44	26.61	27.78	25.05	16.46	17.78	16.18	27.62	33.52	36.41
12	35.23	29.70	21.27	26.93	27.50	25.00	17.81	17.41	16.63	27.98	33.67	36.58
13	35.19	29.57	22.26	25.60	26.83	24.77	18.66	17.16	17.38	28.25	34.38	36.64
14	35.03	29.23	24.04	25.54	28.26	24.38	19.32	17.03	18.08	28.50	34.14	36.68
15	34.67	28.90	25.11	25.86	28.90	24.50	19.66	16.66	18.61	28.58	34.29	36.72
16	34.27	28.10	25.97	24.77	29.17	25.23	20.02	16.12	19.14	28.60	34.44	35.35
17	33.80	27.98	26.47	24.23	29.35	25.55	19.70	15.91	19.69	28.94	34.64	34.12
18	33.39	26.88	26.86	26.09	29.45	25.63	19.42	15.95	20.23	29.24	34.79	32.48
19	32.86	27.01	27.21	26.95	29.52	26.02	19.47	16.23	20.78	29.48	34.90	33.71
20	32.41	26.64	27.42	27.43	28.11	26.15	19.04	16.02	21.32	29.66	34.91	34.14
21	32.03	26.01	27.33	27.86	27.80	26.00	18.10	15.60	21.76	29.88	34.87	34.34
22	31.73	26.59	26.98	28.01	28.54	25.98	17.13	15.22	22.03	30.11	34.93	34.97
23	31.26	26.39	26.87	26.75	28.74	25.05	16.37	14.59	22.27	30.27	34.98	35.29
24	30.57	27.23	25.55	26.01	28.35	23.00	15.97	14.39	22.39	30.40	34.65	35.37
25	29.93	26.25	26.79	27.59	28.88	20.59	15.96	14.54	22.67	30.60	33.88	34.39
26	29.74	24.87	27.05	27.93	29.30	21.36	15.85	14.28	22.96	30.78	33.54	35.08
27	29.68	25.30	25.95	28.09	29.55	21.10	15.75	14.03	23.30	30.98	33.36	35.48
28	29.31	24.58	27.32	28.14	29.84	21.11	15.30	13.38	23.62	31.18	32.45	35.75
29	29.05	24.34	27.59	26.22	30.22	20.85	14.87	12.57	23.97	31.40	33.76	36.02
30	29.30	24.72	27.36	26.25	---	20.90	15.20	12.26	24.34	31.57	34.19	36.08
31	29.30	---	26.29	27.44	---	20.36	---	12.33	---	31.69	32.73	---
MAX	36.69	30.12	27.59	28.14	30.22	30.43	20.02	18.42	24.34	31.69	34.98	36.72
*PREC	0.60	0.70	3.36	2.20	3.93	0.00	3.79	1.01	7.00	8.66	---	11.34

WTR YR 2004 MAX 36.72



WELL NUMBER.--272058082143701. Verna T Well 0-2 near Verna, FL.

LOCATION.--Lat 27° 20'58", long 82° 14'37" (1927 North American datum), in SW 1/4 NE 1/4 sec.18, T.36 S., R.21 E., Hydrologic Unit 03100102, 2.5 mi south of State Highway 70, and 4.0 mi southeast of Verna.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 530 ft, cased to 140 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 68.92 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 2.60 ft above land-surface datum.

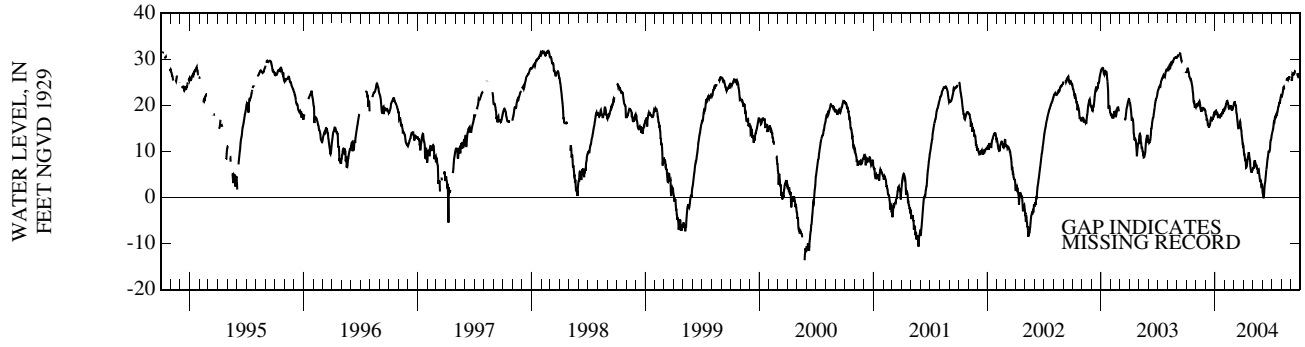
REMARKS.--Water level affected by pumping of nearby wells.

PERIOD OF RECORD.--March 1978 to current year. Prior to October 1978, published as City of Sarasota Well TH 0-2 near Verna.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.59 ft NGVD, Aug. 22, 1982; lowest, 13.59 ft below NGVD, May 25, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.36	19.99	18.76	18.61	19.51	20.34	11.33	6.28	1.30	13.74	21.83	25.43
2	27.15	20.17	18.07	18.47	19.59	20.37	10.17	6.56	0.77	14.09	21.92	25.57
3	27.44	20.21	17.92	18.84	19.52	20.75	9.40	6.28	0.78	14.32	22.30	25.36
4	27.85	20.02	17.82	18.91	19.89	20.77	9.41	6.64	-0.17	14.79	22.62	25.98
5	28.02	20.26	16.74	18.70	20.24	20.25	8.87	7.47	0.04	15.11	22.92	26.83
6	28.03	20.35	16.95	18.20	20.30	20.17	8.09	7.88	0.80	15.66	23.46	26.75
7	27.48	20.18	16.87	18.21	20.82	20.06	8.01	8.09	2.13	16.20	23.95	26.80
8	27.37	20.36	16.30	18.27	20.93	19.61	8.03	7.24	2.87	16.43	24.07	26.93
9	27.13	20.46	15.54	17.79	20.98	18.60	6.48	7.09	3.11	16.36	23.76	26.75
10	26.34	20.31	15.81	17.86	20.57	18.33	6.54	7.29	3.81	16.93	23.87	26.74
11	26.15	20.74	15.76	17.83	20.52	17.87	6.71	6.96	4.61	17.40	---	26.89
12	26.03	20.88	15.18	17.76	20.32	17.00	7.16	7.01	5.32	17.34	---	27.07
13	25.87	20.57	15.44	17.43	19.61	16.46	7.72	6.97	6.09	17.61	---	27.42
14	25.62	20.32	15.77	17.76	19.36	15.63	8.39	6.38	6.52	17.96	---	27.40
15	25.69	19.37	15.82	17.82	19.44	15.21	8.84	6.39	7.19	18.10	---	---
16	25.49	19.12	16.11	17.23	19.40	14.85	9.13	6.32	7.94	17.85	---	---
17	25.11	19.19	16.72	17.52	19.36	15.25	9.62	5.21	8.34	18.03	25.36	---
18	24.63	18.65	17.12	17.80	19.86	15.54	9.83	5.62	8.68	18.43	25.69	---
19	24.43	18.81	17.02	17.93	19.96	15.81	9.42	5.81	9.22	18.74	25.77	---
20	23.82	18.97	17.35	17.60	19.60	16.40	8.76	5.93	9.79	19.14	25.72	27.01
21	22.98	18.99	17.35	17.96	19.83	16.55	8.31	5.12	10.12	19.58	25.96	26.51
22	22.62	19.23	17.20	18.32	19.79	16.20	8.06	4.66	9.88	19.72	25.98	26.44
23	21.96	19.46	17.05	18.12	19.56	15.21	6.70	3.99	9.93	20.02	25.66	26.55
24	20.86	19.42	17.34	18.49	18.82	14.92	6.26	3.34	10.29	20.49	25.85	26.16
25	20.71	19.03	16.95	18.65	19.21	14.51	6.04	3.71	10.65	20.64	26.17	26.14
26	20.76	19.22	17.44	18.82	19.35	13.49	5.70	3.78	11.99	20.41	26.19	26.46
27	20.19	19.12	17.88	18.67	19.33	12.99	5.39	3.55	12.51	20.67	25.91	26.01
28	19.50	19.20	18.12	19.03	19.58	12.43	5.75	2.62	12.60	21.20	---	26.23
29	19.73	19.13	17.94	19.05	20.02	11.85	5.92	2.73	12.96	21.71	---	26.59
30	19.78	18.96	18.11	18.71	---	11.34	6.01	2.80	13.50	22.03	---	26.74
31	19.67	---	18.49	19.24	---	11.50	---	2.59	---	21.88	---	---
MAX	28.03	20.88	18.76	19.24	20.98	20.77	11.33	8.09	13.50	22.03	---	---



WELL NUMBER.--272356082181302. Verna Deep Well 1A near Verna, FL.

LOCATION.--Lat 27° 23'56", long 82° 18'13" (1927 North American datum), in NW 1/4 NW 1/4 sec.34, T.35 S., R.20 E., Hydrologic Unit 03100201, 60 ft north of State Highway 70, and 2.2 mi northwest of Verna.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 to 4 in., depth 480 ft, cased to 412 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 81.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.10 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping of nearby irrigation wells.

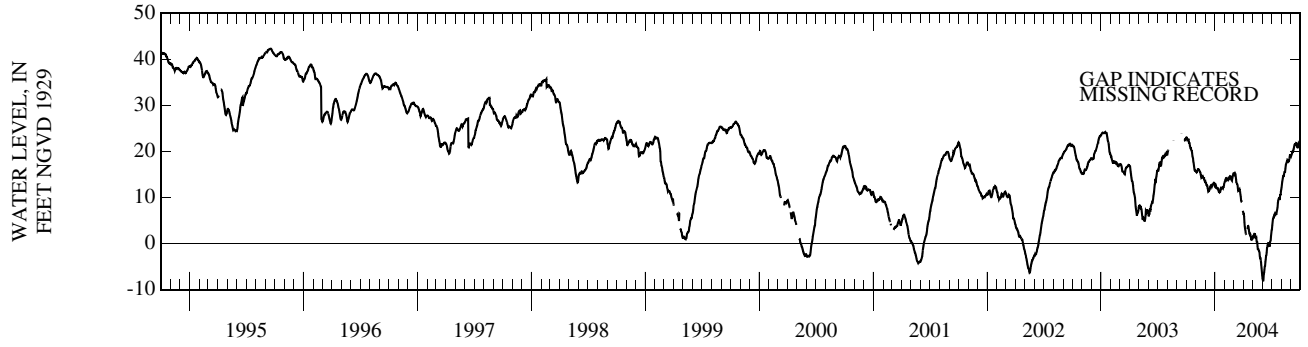
PERIOD OF RECORD.--March 1970 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

REVISED RECORDS.--WDR FL-76-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 48.39 ft NGVD, Apr. 3, 1970; lowest, 8.20 ft below NGVD, June 3, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.04	15.64	13.28	12.50	13.40	15.27	6.49	1.55	-7.54	3.16	12.14	19.06
2	23.01	15.65	13.17	12.56	13.54	15.19	6.49	1.57	-7.88	3.96	12.80	19.28
3	22.64	15.47	13.17	12.39	13.85	15.18	5.90	1.18	-8.20	4.60	13.39	19.54
4	22.51	15.53	12.73	12.52	13.97	15.01	4.63	1.89	-7.75	5.30	13.81	19.78
5	22.58	15.74	12.68	12.29	13.87	15.22	3.72	2.07	-6.60	5.43	14.18	20.12
6	22.56	16.03	12.67	12.04	14.19	15.11	3.20	2.10	-6.27	5.66	14.67	19.92
7	22.64	16.19	12.56	11.96	14.21	14.45	2.98	2.02	-5.67	5.68	14.77	20.03
8	22.62	16.20	12.10	11.89	14.00	13.86	2.23	2.04	-4.97	6.01	14.74	20.39
9	21.94	16.13	11.80	11.96	13.94	13.44	2.03	1.66	-4.86	6.24	15.17	20.51
10	21.94	16.06	11.29	11.99	13.94	13.26	1.89	1.26	-3.99	6.37	15.55	20.95
11	21.86	15.95	11.37	11.98	14.03	13.03	---	1.27	-3.45	5.96	15.54	21.23
12	21.25	15.86	11.52	11.50	13.83	12.96	---	1.32	-2.68	6.28	15.59	21.50
13	21.02	15.69	11.53	11.26	13.95	12.76	3.17	0.58	-2.57	6.53	16.26	21.45
14	20.74	15.54	11.68	11.24	14.13	12.00	3.36	0.26	-1.92	6.59	16.83	21.58
15	20.74	15.42	11.96	11.13	14.43	11.47	3.78	0.24	-1.06	6.28	17.11	21.73
16	20.46	14.90	12.43	11.23	14.49	11.56	3.80	-0.60	-0.86	6.90	17.31	21.82
17	20.23	14.83	12.49	11.25	14.59	11.72	3.56	-1.29	-0.43	7.06	17.49	21.78
18	20.16	14.31	12.57	11.52	14.53	11.72	3.15	-1.07	-0.12	7.45	17.77	21.78
19	19.64	14.35	12.68	11.85	14.39	11.83	2.62	-1.33	0.07	7.86	17.90	21.43
20	19.01	14.56	12.73	12.13	14.54	11.50	2.24	-1.53	0.10	8.76	18.21	20.94
21	18.74	14.60	12.66	12.11	14.55	11.22	2.25	-1.58	0.10	9.32	18.19	20.88
22	18.46	14.66	12.37	12.01	14.24	10.61	1.90	-1.83	-0.29	9.56	17.97	21.07
23	17.94	14.46	12.57	12.11	13.76	10.24	1.93	-2.75	-0.69	9.80	17.80	21.03
24	17.63	14.28	12.59	12.12	13.67	9.42	1.61	-3.15	-0.37	9.87	17.87	21.17
25	17.11	14.23	12.75	12.15	14.15	9.15	1.30	-3.14	0.30	9.47	18.04	21.19
26	16.56	14.22	13.06	12.03	14.46	9.15	0.72	-3.60	0.43	9.90	18.41	21.75
27	16.03	13.89	13.16	12.31	14.79	9.09	0.90	-4.17	0.64	10.18	18.85	21.67
28	15.91	13.70	13.20	12.31	15.08	---	0.93	-4.64	1.61	10.73	19.36	21.60
29	15.94	13.53	13.18	12.55	15.27	---	0.96	-5.31	2.23	10.52	19.12	21.57
30	15.83	13.55	13.11	12.88	---	7.14	1.24	-6.13	2.88	11.32	18.96	21.57
31	15.75	---	13.03	13.12	---	6.82	---	-6.93	---	11.75	18.84	---
MAX	23.04	16.20	13.28	13.12	15.27	---	---	2.10	2.88	11.75	19.36	21.82



WELL NUMBER.--272404082161701. Verna T Well 0-1 near Verna, FL.

LOCATION.--Lat 27° 24'04", long 82° 16'17" (1927 North American datum), in SE 1/4 SE 1/4 sec.26, T.35 S., R.20 E., Hydrologic Unit 03100201, 1.0 mi north of State Highway 70, and 1.2 mi northwest of Verna.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 480 ft, cased to 140 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 98.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.14 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby wells.

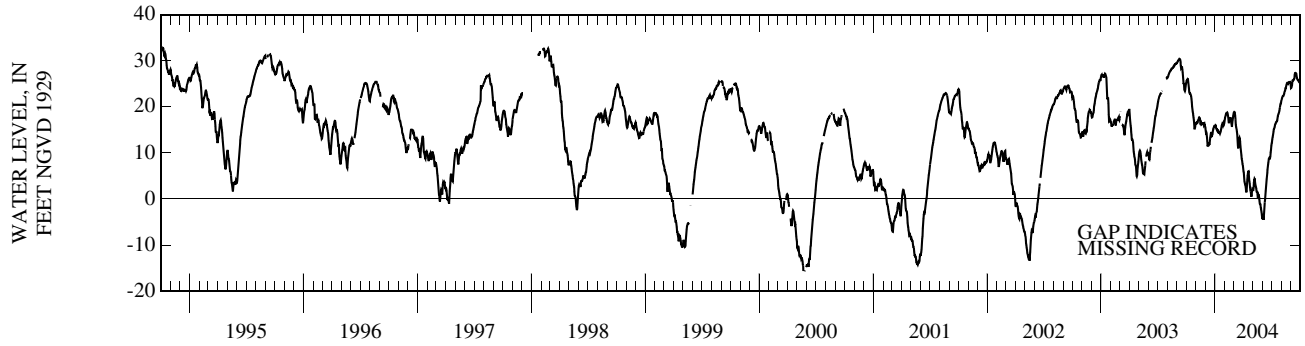
PERIOD OF RECORD.--March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.32 ft NGVD, Jan. 24, 1984; lowest, 15.73 ft below NGVD, May 25, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.50	16.35	15.41	15.85	17.19	18.78	6.05	1.91	-4.24	12.32	21.39	24.14
2	25.74	16.39	14.76	16.02	17.62	18.90	5.73	1.73	-3.74	12.91	21.73	24.32
3	25.78	16.65	14.27	15.94	17.84	18.86	4.84	2.35	-3.87	13.36	22.01	24.54
4	25.96	16.65	14.36	15.43	18.16	18.73	3.82	3.52	-4.54	13.73	22.18	24.88
5	26.07	16.58	14.00	15.25	18.48	18.11	3.52	4.08	-4.03	14.19	22.34	25.66
6	25.99	16.85	13.33	15.09	18.57	17.32	3.20	4.39	-2.77	14.62	22.34	25.68
7	25.33	17.03	12.49	14.94	18.69	16.10	2.96	4.25	-1.71	15.03	22.38	25.79
8	24.69	17.15	11.40	15.06	18.68	15.65	2.56	3.74	-0.78	15.19	22.56	25.84
9	24.08	17.26	11.64	14.97	18.77	15.46	1.77	3.15	-0.10	15.34	22.82	25.94
10	23.26	17.70	11.77	14.82	18.56	15.21	1.43	2.78	0.74	15.64	23.13	25.96
11	23.01	17.72	12.07	14.29	18.10	14.54	1.92	2.62	1.72	16.01	23.35	26.12
12	22.87	17.66	12.10	14.49	17.67	14.03	3.16	2.21	2.50	16.23	23.49	26.89
13	22.89	17.54	11.81	14.51	16.90	12.84	4.25	1.56	3.39	16.32	23.99	27.27
14	22.79	17.07	11.91	14.35	16.44	11.58	5.07	1.54	4.29	16.63	24.02	27.30
15	22.59	16.26	12.58	14.31	17.01	10.99	5.61	1.52	4.97	16.72	24.19	27.33
16	22.26	16.27	13.26	14.35	17.30	11.59	5.93	0.93	5.66	16.73	24.51	27.27
17	21.70	16.45	13.66	14.18	17.39	12.48	5.98	-0.01	6.33	16.83	24.73	27.19
18	21.01	16.17	14.18	14.38	17.64	13.11	5.59	0.52	6.96	17.14	25.03	26.77
19	20.02	16.24	14.52	14.78	17.40	13.28	4.44	0.91	7.50	17.58	25.00	26.27
20	19.45	16.41	14.17	15.12	17.45	13.00	3.78	0.75	8.00	18.00	25.15	26.10
21	18.89	16.37	13.57	15.39	17.07	12.50	3.29	0.28	8.60	18.19	25.08	25.89
22	18.51	16.39	13.62	15.88	16.51	11.46	2.52	-0.45	8.80	18.46	24.98	25.82
23	18.12	16.38	14.05	16.07	16.04	10.80	1.95	-1.06	8.97	18.63	25.13	25.82
24	17.64	16.61	14.38	15.80	15.65	10.15	1.61	-1.15	9.01	18.84	25.15	25.78
25	17.10	16.29	14.77	15.75	16.50	9.53	1.14	-1.20	8.93	19.20	25.41	25.62
26	16.28	15.96	15.14	16.16	17.09	8.70	0.47	-1.85	9.27	19.56	25.40	25.73
27	15.10	16.08	15.33	16.53	17.53	8.44	0.77	-2.19	10.09	19.92	25.30	25.79
28	15.40	16.22	15.53	16.63	18.06	7.87	1.63	-2.52	10.68	20.38	25.38	25.91
29	15.68	15.90	15.76	16.44	18.49	7.57	2.11	-2.87	11.50	20.70	25.24	26.07
30	16.15	15.70	15.75	16.35	---	7.32	2.02	-3.55	11.99	20.74	24.81	26.10
31	16.36	---	15.78	16.72	---	6.69	---	-4.21	---	21.15	24.07	---
MAX	26.07	17.72	15.78	16.72	18.77	18.90	6.05	4.39	11.99	21.15	25.41	27.33

WTR YR 2004 MAX 27.33



WELL NUMBER.--272539082292001. ROMP TR 7-4 Avon Park Well near Bradenton, FL.

LOCATION.--Lat 27° 25'39", long 82° 29'20" (1927 North American datum), in SW 1/4 NE 1/4 sec.22, T.35 S., R.18 E., Hydrologic Unit 03100202, on southwest shore of Ward Lake Reservoir, 1.25 mi south of State Highway 70, 2.0 mi west of Interstate I-75, and 5.0 mi southeast of Bradenton.

AQUIFER.--Upper Floridan aquifer of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 1,250 ft, cased to 1,162 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 17.00 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of flange, 10.57 ft above land-surface datum.

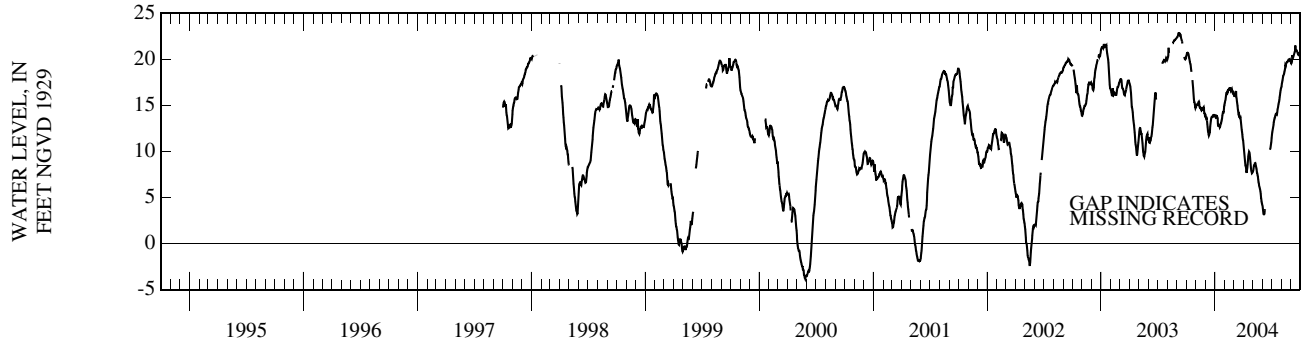
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--November 1989 to September 1991; October 1991 to September 1997 (periodic); October 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.87 ft NGVD, Sept. 6, 7, 2003; lowest, 3.80 ft below NGVD, May 27, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.42	14.89	13.99	13.81	15.28	16.14	10.85	7.82	4.15	11.82	17.09	19.57
2	20.57	15.00	13.83	13.76	15.41	16.08	10.49	7.91	3.84	12.09	17.37	19.65
3	20.69	15.07	13.69	13.69	15.52	16.04	10.14	8.18	3.52	12.31	17.55	19.81
4	20.70	15.05	13.56	13.74	15.82	15.94	9.79	8.44	3.22	12.49	17.72	20.00
5	20.72	15.09	13.59	13.89	16.09	16.26	9.40	8.50	3.18	12.70	17.95	20.48
6	20.70	15.07	13.37	13.87	16.36	16.44	8.98	8.54	3.18	12.89	18.18	20.34
7	20.64	15.18	12.96	13.73	16.35	16.48	8.51	8.67	3.23	13.15	18.25	20.21
8	20.49	15.35	12.66	13.71	16.32	16.57	8.44	8.71	3.60	13.34	18.33	20.27
9	20.31	15.38	12.25	13.55	16.50	15.92	8.21	8.73	3.74	13.50	18.49	20.39
10	20.15	15.44	12.09	13.02	16.57	15.84	7.81	8.57	---	13.64	18.66	20.53
11	19.94	15.39	11.89	12.72	16.50	15.45	7.68	8.42	---	13.72	18.80	20.67
12	19.72	14.92	11.72	12.87	16.62	15.20	7.98	8.22	---	13.88	19.02	20.80
13	19.61	14.79	11.80	12.88	16.71	14.94	8.23	8.08	---	13.98	19.41	20.89
14	19.51	14.78	12.03	12.77	16.72	14.56	8.59	7.73	---	14.10	19.34	21.52
15	19.20	14.74	12.09	12.76	16.81	14.35	9.07	7.66	---	14.09	19.43	21.02
16	18.86	14.66	12.73	12.62	16.89	14.03	9.48	7.44	---	14.06	19.52	21.02
17	18.64	14.56	13.03	12.69	16.89	13.92	9.68	7.30	---	14.03	19.66	21.02
18	---	14.49	13.31	12.89	16.89	13.99	9.81	6.98	---	14.26	19.71	21.00
19	---	14.59	13.56	13.04	16.89	13.83	9.98	6.70	---	14.56	19.72	20.94
20	17.77	14.49	13.71	13.07	16.70	13.70	9.91	6.54	---	14.69	19.74	20.85
21	17.31	14.51	13.74	13.26	16.57	13.73	9.70	6.28	---	14.91	19.80	20.75
22	16.93	14.53	13.78	13.42	16.62	13.75	9.38	6.18	---	15.15	19.86	20.61
23	16.69	14.57	13.81	13.60	16.65	13.44	9.01	6.02	---	15.31	19.95	20.55
24	16.23	14.77	13.79	13.90	16.73	13.12	8.62	5.86	---	15.47	19.97	20.50
25	15.71	14.83	13.79	14.10	16.58	12.78	8.15	5.65	10.19	15.67	19.94	20.50
26	15.40	14.59	13.96	14.29	16.44	12.36	7.92	5.40	10.30	15.88	19.98	20.79
27	15.34	14.19	13.95	14.30	16.51	12.12	7.80	4.96	10.54	16.11	19.95	20.53
28	15.15	14.15	13.98	14.28	16.48	11.83	7.63	4.87	10.79	16.40	20.00	20.56
29	14.85	13.94	13.97	14.64	16.34	11.57	7.66	4.57	11.03	16.63	19.90	20.64
30	14.71	14.00	13.95	14.90	---	11.35	7.79	4.41	11.47	16.83	19.79	20.64
31	14.81	---	13.88	15.07	---	11.18	---	4.25	---	16.91	19.64	---
MAX	---	15.44	13.99	15.07	16.89	16.57	10.85	8.73	---	16.91	20.00	21.52



WELL NUMBER.--272539082292002. ROMP TR 7-4 Suwannee Well near Bradenton, FL.

LOCATION.--Lat 27° 25'39", long 82° 29'20" (1927 North American datum), in SW 1/4 NE 1/4 sec.22, T.35 S., R.18 E., Hydrologic Unit 03100202, on southwest shore of Ward Lake Reservoir, 1.25 mi south of State Highway 70, 2.0 mi west of Interstate I-75, and 5.0 mi southeast of Bradenton.

AQUIFER.--Upper Floridan aquifer of Oligocene Age, Geologic Unit 123SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 800 ft, cased to 560 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 17.00 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of flange, 13.35 ft above land-surface datum.

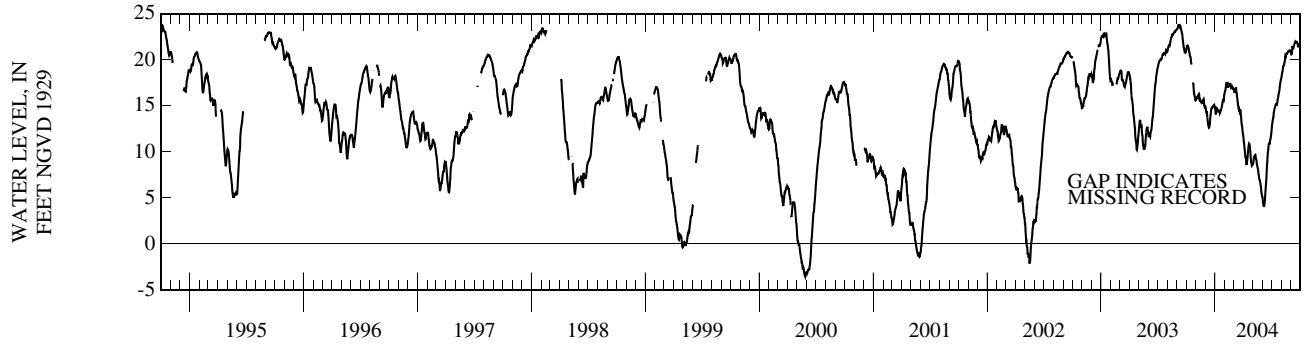
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--November 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.78 ft NGVD, Oct. 4, 1994, Sept. 6, 2003; lowest, 3.55 ft below NGVD, May 27, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.20	15.72	14.88	14.71	16.47	16.78	11.46	8.67	5.09	12.81	18.14	20.60
2	21.36	15.81	14.67	14.60	16.57	16.54	11.11	8.75	4.75	13.10	18.40	20.64
3	21.49	15.84	14.48	14.06	16.64	16.50	10.88	9.05	4.38	13.32	18.61	20.79
4	21.51	15.94	14.32	14.60	16.95	16.40	10.48	9.38	4.17	13.51	18.75	21.00
5	21.54	15.97	14.44	14.78	17.20	16.75	10.22	9.43	4.11	13.73	19.01	21.48
6	21.47	15.91	14.23	14.74	17.46	16.89	9.76	9.42	4.11	13.92	19.22	21.37
7	21.39	16.06	13.74	14.61	17.43	16.91	9.43	9.59	4.29	14.20	19.32	21.22
8	21.25	16.19	13.41	14.57	17.36	16.90	9.39	9.64	4.61	14.41	19.38	21.26
9	21.03	16.24	13.09	14.56	17.39	16.60	9.16	9.67	5.06	14.57	19.53	21.39
10	20.89	16.30	12.93	14.56	17.42	16.46	8.72	9.46	5.55	14.69	19.70	21.54
11	20.72	16.23	12.74	14.41	16.99	16.09	8.58	9.24	5.97	14.81	19.83	21.66
12	20.46	15.90	12.62	14.45	17.07	15.82	8.92	9.16	6.49	14.96	20.02	21.78
13	20.37	15.58	12.66	14.46	17.14	15.56	9.15	9.02	7.07	15.09	20.42	21.87
14	20.31	15.58	12.94	14.46	17.15	15.20	9.52	8.62	7.91	15.17	20.35	21.96
15	20.03	15.61	13.00	14.41	17.24	15.03	9.97	8.54	8.55	15.15	20.43	21.91
16	19.67	15.51	13.62	14.17	17.33	14.74	10.39	8.31	8.96	15.13	20.52	21.94
17	19.48	15.42	13.96	14.24	17.32	14.60	10.60	8.19	9.40	15.11	20.66	21.95
18	---	15.31	14.22	14.43	17.39	14.67	10.73	7.93	9.85	15.31	20.70	21.95
19	---	15.46	14.58	14.54	17.39	14.57	10.91	7.59	10.09	15.61	20.71	21.93
20	---	15.32	14.71	14.55	17.14	14.34	10.86	7.40	10.49	15.77	20.74	21.85
21	---	15.35	14.73	14.73	17.01	14.43	10.69	7.13	10.82	15.97	20.81	21.74
22	17.44	15.42	14.81	14.84	17.06	14.46	10.32	7.01	10.88	16.21	20.86	21.59
23	17.51	15.46	14.86	15.02	17.08	14.13	9.96	6.92	10.94	16.40	20.95	21.52
24	17.06	15.61	14.85	15.27	17.12	13.82	9.53	6.73	10.92	16.54	20.97	21.46
25	16.53	15.68	14.90	15.48	17.03	13.31	9.02	6.52	11.18	16.73	20.97	21.47
26	16.27	15.42	14.96	15.65	16.91	12.99	8.86	6.31	11.29	16.94	20.99	21.79
27	16.14	15.05	15.04	15.65	16.95	12.83	8.66	6.13	11.51	17.17	20.97	21.50
28	16.00	15.02	15.09	15.59	16.94	12.51	8.51	5.73	11.78	17.45	21.00	21.48
29	15.65	14.70	15.13	15.89	16.81	12.24	8.58	5.49	12.02	17.68	20.93	21.56
30	15.60	14.88	15.03	16.13	---	12.02	8.67	5.34	12.44	17.86	20.81	21.57
31	15.65	---	14.79	16.28	---	11.86	---	5.16	---	17.94	20.69	---
MAX	---	16.30	15.13	16.28	17.46	16.91	11.46	9.67	12.44	17.94	21.00	21.96



WELL NUMBER.--272539082292003. ROMP TR 7-4 Tampa Well near Bradenton, FL.

LOCATION.--Lat 27° 25'39", long 82° 29'20" (1927 North American datum), in SW 1/4 NE 1/4 sec.22, T.35 S., R.18 E., Hydrologic Unit 03100202, on southwest shore of Ward Lake Reservoir, 1.25 mi south of State Highway 70, 2.0 mi west of Interstate I-75, and 5.0 mi southeast of Bradenton.

AQUIFER.--Upper Floridan aquifer of Miocene Age, Geological Unit 122TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 500 ft, cased to 380 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 17.00 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of flange, 13.02 ft above land-surface datum.

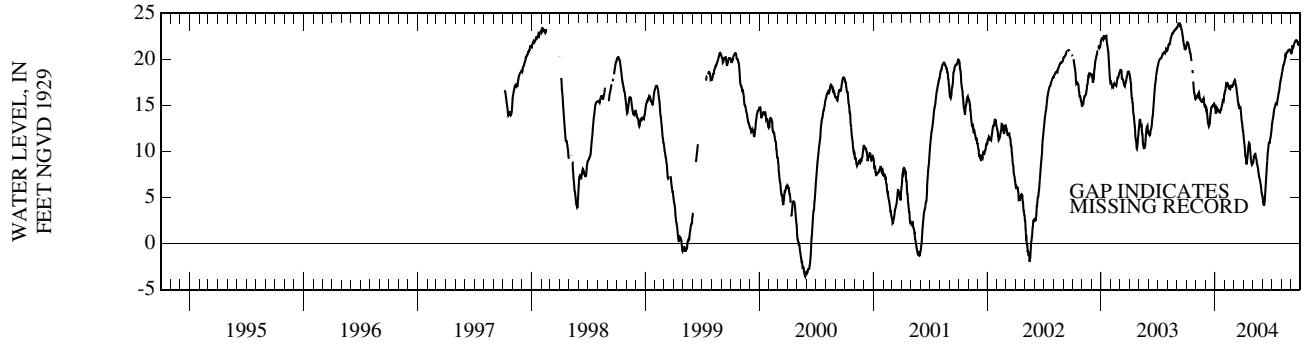
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--November 1989 to September 1991; October 1991 to September 1997 (periodic); October 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.91 ft NGVD, Sept. 6, 7, 2003; lowest, 3.54 ft below NGVD, May 27, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.52	15.82	14.96	14.74	16.45	17.51	11.79	8.74	5.16	12.88	18.19	20.66
2	21.67	15.90	14.77	14.65	16.54	17.61	11.43	8.79	4.83	13.18	18.46	20.70
3	21.82	15.92	14.58	14.10	16.61	17.69	11.06	9.10	4.46	13.39	18.66	20.85
4	21.82	16.03	14.42	14.64	16.92	17.78	10.74	9.45	4.22	13.57	18.82	21.05
5	21.87	16.08	14.52	14.84	17.18	17.73	10.44	9.49	4.19	13.79	19.07	21.54
6	21.81	16.00	14.33	14.80	17.44	17.29	9.97	9.49	4.19	14.00	19.27	21.43
7	21.73	16.16	13.84	14.68	17.42	17.23	9.45	9.66	4.36	14.25	19.37	21.25
8	21.58	16.28	13.54	14.64	17.35	17.19	9.42	9.71	4.67	14.47	19.43	21.32
9	21.36	16.34	13.17	14.50	17.38	16.92	9.19	9.74	5.12	14.64	19.58	21.44
10	21.22	16.40	13.06	14.52	17.19	16.77	8.75	9.53	5.61	14.76	19.75	21.59
11	21.06	16.32	12.85	14.40	17.20	16.38	8.60	9.31	6.05	14.86	19.89	21.69
12	20.80	16.00	12.70	14.42	17.05	16.12	8.94	9.24	6.57	15.01	20.08	21.80
13	20.71	15.69	12.79	14.44	16.99	15.87	9.19	9.11	7.16	15.16	20.46	21.92
14	20.65	15.67	13.08	14.44	16.94	15.51	9.56	8.69	7.99	15.25	20.40	21.98
15	20.37	15.70	13.10	14.39	16.99	15.34	9.99	8.60	8.62	15.23	20.50	22.04
16	20.03	15.60	13.73	14.15	16.83	15.05	10.42	8.39	9.04	15.21	20.58	22.08
17	19.83	15.53	14.07	14.23	16.83	14.90	10.64	8.27	9.48	15.17	20.73	22.09
18	---	15.40	14.30	14.42	16.79	14.96	10.77	8.00	9.92	15.38	20.76	22.08
19	---	15.55	14.66	14.54	16.93	14.87	10.95	7.66	10.15	15.66	20.77	22.05
20	18.86	15.40	14.80	14.55	17.12	14.64	10.90	7.48	10.56	15.81	20.79	21.95
21	18.51	15.42	14.84	14.72	17.13	14.73	10.73	7.23	10.88	16.02	20.87	21.83
22	---	15.50	14.90	14.84	17.07	14.75	10.37	7.10	10.95	16.27	20.91	21.70
23	17.61	15.55	14.94	15.00	17.02	14.44	10.01	7.00	11.00	16.45	21.02	21.64
24	17.17	15.70	14.93	15.25	17.01	14.13	9.60	6.82	10.99	16.60	21.03	21.58
25	16.65	15.77	14.98	15.47	17.15	13.67	9.08	6.61	11.26	16.79	21.01	21.58
26	16.38	15.51	15.04	15.62	17.15	13.30	8.91	6.39	11.37	16.99	21.05	21.94
27	16.24	15.14	15.12	15.63	17.15	13.14	8.71	6.14	11.59	17.24	21.03	21.62
28	16.11	15.11	15.16	15.56	17.21	12.82	8.57	5.83	11.86	17.50	21.05	21.60
29	15.76	14.78	15.21	15.84	17.43	12.57	8.63	5.58	12.11	17.73	20.97	21.68
30	15.70	14.96	15.10	16.11	---	12.34	8.73	5.43	12.52	17.91	20.86	21.70
31	15.75	---	14.85	16.26	---	12.18	---	5.24	---	18.00	20.72	---
MAX	---	16.40	15.21	16.26	17.44	17.78	11.79	9.74	12.52	18.00	21.05	22.09



WELL NUMBER.--272539082292004. ROMP TR 7-4 Hawthorn Well near Bradenton, FL.

LOCATION.--Lat 27° 25'39", long 82° 29'20" (1927 North American datum), in SW 1/4 NE 1/4 sec.22, T.35 S., R.18 E., Hydrologic Unit 03100202, on southwest shore of Ward Lake Reservoir, 1.25 mi south of State Highway 70, 2.0 mi west of Interstate I-75, and 5.0 mi southeast of Bradenton.

AQUIFER.--Intermediate aquifer of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 268 ft, cased to 213 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 17.01 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 13.09 ft above land-surface datum.

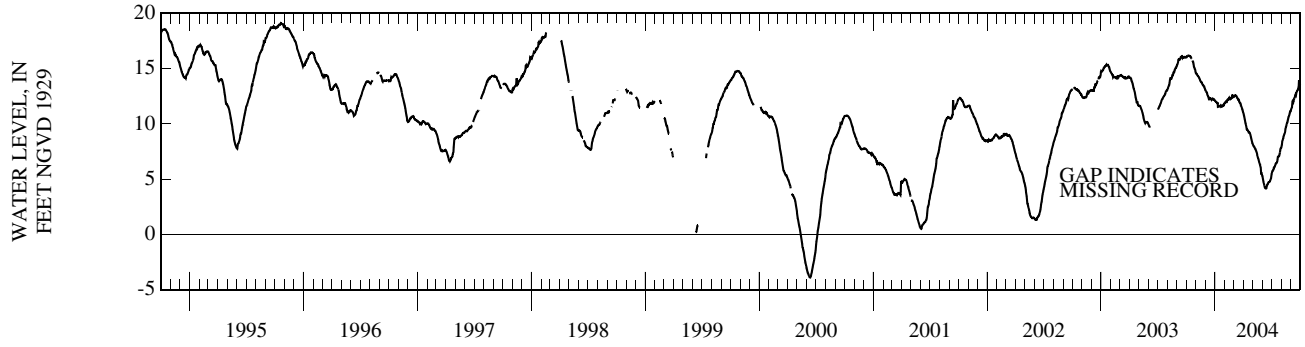
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--November 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.12 ft NGVD, Oct. 20, 1995; lowest, 3.90 ft below NGVD, June 12, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.03	14.56	13.05	12.07	11.91	12.46	10.98	8.16	5.22	5.55	7.98	11.35
2	16.07	14.53	13.00	12.06	11.90	12.48	10.83	8.08	5.07	5.71	8.11	11.42
3	16.11	14.54	12.95	12.03	11.91	12.51	10.71	8.01	4.90	5.75	8.37	11.49
4	16.13	14.46	12.90	11.99	11.93	12.57	10.57	7.98	4.74	5.79	8.46	11.65
5	16.16	14.41	12.87	11.97	11.99	12.59	10.42	7.95	4.65	5.83	8.55	12.00
6	16.17	14.36	12.81	11.95	12.07	12.58	10.26	7.89	4.55	5.87	8.65	12.08
7	16.17	14.33	12.67	11.89	12.07	12.55	10.10	7.83	4.40	6.02	8.83	12.07
8	16.16	14.29	12.58	11.89	12.04	12.55	9.99	7.79	4.28	6.05	8.92	12.02
9	16.17	14.24	12.53	11.89	12.18	12.53	9.88	7.75	4.21	6.06	8.98	12.17
10	16.17	14.21	12.47	11.55	12.19	12.51	9.71	7.69	4.18	6.11	9.07	12.28
11	16.15	14.17	12.37	11.56	12.22	12.40	9.55	7.62	4.17	6.19	9.14	12.32
12	16.12	14.13	12.24	11.58	12.22	12.37	9.50	7.55	4.15	6.26	9.24	12.38
13	16.10	14.06	12.14	11.60	12.22	12.33	9.50	7.46	4.17	6.34	9.51	12.47
14	16.09	13.96	12.35	11.62	12.33	12.25	9.43	7.37	4.33	6.40	9.60	12.60
15	16.06	13.90	12.33	11.62	12.37	12.20	9.40	7.18	4.41	6.45	9.71	12.67
16	15.97	13.84	12.27	11.60	12.29	12.21	9.34	7.08	4.47	6.47	9.77	12.61
17	15.92	13.79	12.28	11.57	12.24	12.16	9.31	6.98	4.53	6.51	9.92	12.74
18	15.90	13.76	12.25	11.67	12.23	12.05	9.24	6.90	4.58	6.58	10.01	12.84
19	---	13.76	12.26	11.70	12.27	11.98	9.24	6.79	4.62	6.79	10.07	12.92
20	15.74	13.70	12.26	11.65	12.33	11.91	9.24	6.68	4.68	7.02	10.19	12.98
21	15.66	13.60	12.22	11.58	12.34	11.89	9.21	6.56	4.73	7.05	10.33	13.06
22	15.63	13.56	12.27	11.59	12.32	11.87	9.15	6.47	4.74	7.04	10.45	13.09
23	15.55	13.51	12.31	11.58	12.36	11.75	9.05	6.38	4.75	7.06	10.59	13.16
24	15.41	13.49	12.30	11.62	12.42	11.67	8.92	6.27	4.78	7.11	10.65	13.24
25	15.22	13.46	12.24	11.67	12.60	11.59	8.79	6.17	4.80	7.22	10.72	13.37
26	15.12	13.40	12.20	11.70	12.60	11.51	8.65	6.03	4.91	7.31	10.84	13.95
27	15.08	13.33	12.21	11.71	12.53	11.42	8.56	5.58	4.98	7.43	10.96	13.70
28	15.00	13.28	12.19	11.67	12.42	11.35	8.43	5.60	5.05	7.63	11.10	13.59
29	14.92	13.20	12.20	11.69	12.43	11.26	8.27	5.55	5.25	7.78	11.11	13.58
30	14.74	13.09	12.18	11.79	---	11.14	8.22	5.43	5.47	7.81	11.14	13.63
31	14.64	---	12.11	11.87	---	11.07	---	5.34	---	7.85	11.26	---
MAX	---	14.56	13.05	12.07	12.60	12.59	10.98	8.16	5.47	7.85	11.26	13.95



WELL NUMBER.--272539082292005. ROMP TR 7-4 NRSD Well near Bradenton, FL.

LOCATION.--Lat 27° 25'39", long 82° 29'20" (1927 North American datum), in SW 1/4 NE 1/4 sec.22, T.35 S., R.18 E., Hydrologic Unit 03100202, on southwest shore of Ward Lake Reservoir, 1.25 mi south of State Highway 70, 2.0 mi west of Interstate I-75, and 5.0 mi southeast of Bradenton.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20.0 ft, cased to 15 ft.

INSTRUMENTATION.--Water-stage recorder--60 minute interval.

DATUM.--Land-surface datum is 16.88 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 3.07 ft above land-surface datum.

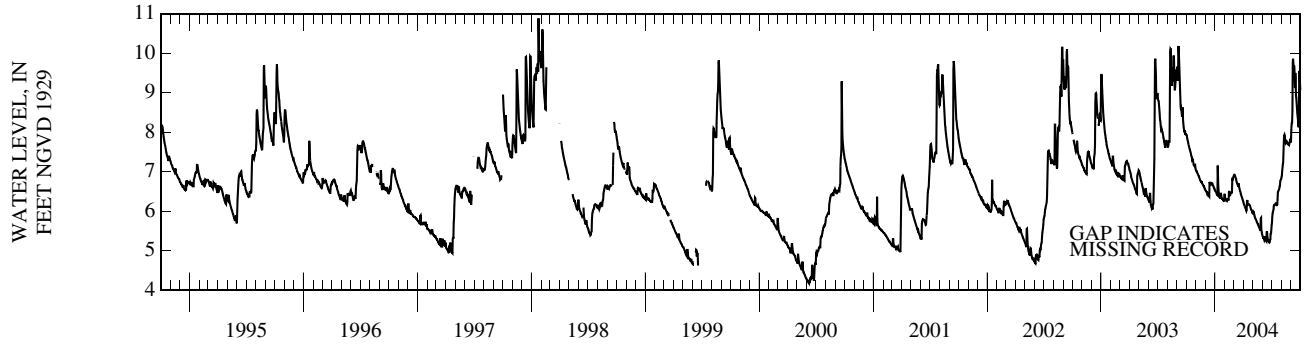
PERIOD OF RECORD.--March 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.88 ft NGVD, Jan. 23, 1998; lowest, 4.17 ft NGVD, June 8, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.93	7.03	6.53	6.51	6.44	6.90	6.22	5.94	5.38	5.70	6.87	8.06
2	7.92	7.01	6.52	6.50	6.35	6.92	6.19	5.92	5.35	5.86	6.90	8.21
3	7.87	7.01	6.51	6.49	6.31	6.92	6.17	5.98	5.33	5.93	7.02	8.25
4	7.83	6.99	6.49	6.48	6.28	6.91	6.15	5.97	5.30	5.98	7.10	8.25
5	7.80	6.97	6.48	6.46	6.27	6.89	6.12	5.91	5.35	6.00	7.18	8.54
6	7.76	6.94	6.46	6.44	6.28	6.86	6.10	5.88	5.29	6.03	7.23	9.78
7	7.72	6.93	6.43	6.41	6.28	6.84	6.08	5.86	5.26	6.12	7.44	9.86
8	7.68	6.91	6.45	6.40	6.27	6.82	6.06	5.84	5.28	6.15	7.73	9.75
9	7.65	6.89	6.44	7.15	6.30	6.78	6.03	5.82	5.35	6.16	7.91	9.39
10	7.62	6.88	6.43	7.06	6.30	6.75	6.01	5.80	5.31	6.16	7.93	9.68
11	7.59	6.86	6.40	6.69	6.29	6.72	6.04	5.79	5.27	6.16	7.89	9.65
12	7.55	6.84	6.38	6.53	6.29	6.70	6.24	5.77	5.25	6.18	7.79	9.32
13	7.53	6.82	6.37	6.44	6.29	6.68	6.28	5.75	5.24	6.19	7.77	9.12
14	7.50	6.79	6.74	6.39	6.46	6.65	6.19	5.72	5.47	6.18	7.74	9.50
15	7.47	6.77	6.71	6.36	6.51	6.62	6.17	5.71	5.49	6.16	7.72	9.35
16	7.42	6.76	6.69	6.34	6.42	6.70	6.17	5.68	5.39	6.16	7.73	8.92
17	7.40	6.74	6.70	6.32	6.40	6.67	6.17	5.67	5.34	6.15	7.74	8.87
18	7.37	6.73	6.70	6.46	6.40	6.60	6.17	5.67	5.28	6.16	7.76	8.74
19	7.30	6.76	6.71	6.44	6.43	6.57	6.17	5.63	5.25	6.29	7.74	8.62
20	7.32	6.72	6.70	6.44	6.46	6.54	6.16	5.61	5.25	6.48	7.73	8.50
21	7.30	6.69	6.69	6.36	6.47	6.51	6.15	5.59	5.23	6.50	7.71	8.41
22	7.26	6.68	6.70	6.33	6.48	6.49	6.14	5.57	5.21	6.51	7.69	8.34
23	7.25	6.67	6.70	6.31	6.47	6.44	6.11	5.55	5.20	6.53	7.69	8.25
24	7.19	6.65	6.69	6.31	6.47	6.42	6.08	5.52	5.22	6.55	7.69	8.18
25	7.16	6.63	6.66	6.31	6.80	6.39	6.05	5.50	5.27	6.60	7.68	8.12
26	7.15	6.63	6.64	6.29	6.79	6.37	6.03	5.82	5.28	6.63	7.72	9.06
27	7.14	6.61	6.63	6.28	6.81	6.35	6.02	5.83	5.44	6.65	7.75	9.55
28	7.15	6.59	6.60	6.26	6.85	6.32	6.01	5.59	5.42	6.76	7.81	9.52
29	7.16	6.55	6.58	6.26	6.88	6.30	5.97	5.49	5.53	6.78	7.82	9.26
30	7.08	6.54	6.57	6.29	---	6.28	5.97	5.44	5.64	6.80	7.76	9.06
31	7.05	---	6.53	6.40	---	6.26	---	5.41	---	6.81	7.76	---
MAX	7.93	7.03	6.74	7.15	6.88	6.92	6.28	5.98	5.64	6.81	7.93	9.86

CAL YR 2003 MAX 10.18
WTR YR 2004 MAX 9.86



WELL NUMBER.--272838082142201. Kibler Deep Well 26B near Bethany, FL.

LOCATION.--Lat 27° 28'38", long 82° 14'22" (1927 North American datum), in SE 1/4 NE 1/4 sec.31, T.34 S., R.21 E., Hydrologic Unit 03100102, 0.2 mi north of State Highway 64, and 1.6 mi east of Bethany.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in., depth 1,123 ft, cased to 208 ft.

INSTRUMENTATION.--Water-stage and tipping bucket raingage recorders--60-minute interval.

DATUM.--Elevation of land-surface datum is 101 ft, from topographic map. Measuring point: Top of recorder shelter floor, 3.0 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby irrigation wells. Collection, computation and publication of precipitation data do not necessarily conform to standards used by the National Weather Service.

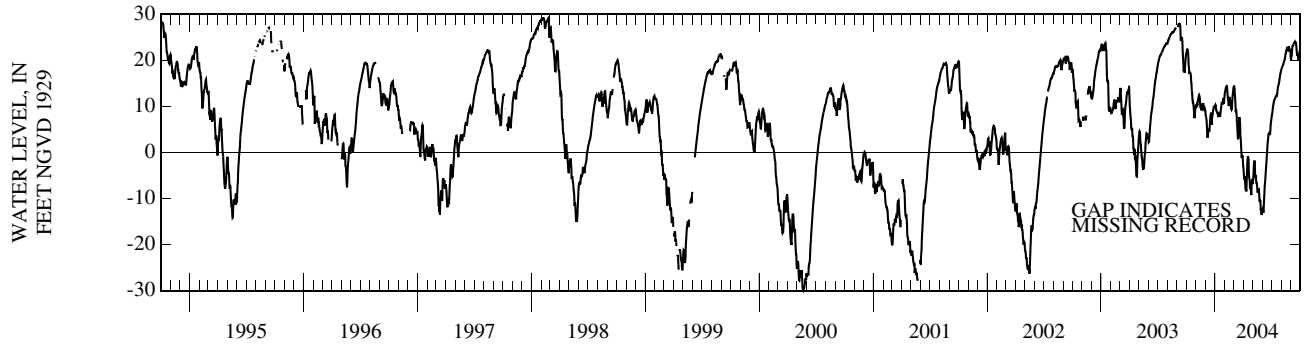
PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 29.30 ft NGVD, estimated, Aug. 20, 1978; lowest, 29.95 ft below NGVD, May 20, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.70	10.31	8.91	10.17	12.68	14.32	-3.43	-5.90	-12.60	8.19	18.12	20.74
2	21.98	10.02	8.03	10.34	13.15	14.33	-4.54	-5.91	-12.37	8.54	18.28	21.09
3	22.23	10.14	7.67	10.15	13.55	13.89	-5.64	-4.18	-12.65	9.19	18.53	21.68
4	22.40	10.46	7.40	9.36	13.90	12.57	-5.76	-2.71	-13.03	9.78	18.64	22.33
5	22.35	10.34	6.76	9.07	14.15	11.88	-5.22	-2.14	-11.44	10.23	18.87	23.12
6	21.86	10.99	5.06	8.92	14.33	10.59	-5.80	-1.76	-9.69	10.66	19.16	23.21
7	21.15	11.45	3.56	8.77	14.45	8.76	-7.59	-2.38	-8.37	10.89	19.31	23.29
8	19.26	11.77	3.21	8.64	14.37	9.29	-8.12	-4.12	-7.15	11.23	19.58	23.38
9	18.45	12.08	3.74	8.48	13.36	8.96	-7.86	-5.28	-6.51	11.38	19.76	23.51
10	17.11	12.44	4.55	8.25	12.44	8.38	-8.46	-5.48	-5.23	11.61	19.97	23.73
11	17.29	12.50	4.88	7.70	11.75	6.49	-6.41	-4.89	-4.11	11.69	20.27	23.87
12	17.37	12.27	4.96	8.09	11.02	5.88	-3.94	-6.62	-3.02	11.83	20.56	24.01
13	17.38	11.82	4.46	8.27	10.28	4.38	-2.35	-6.71	-1.92	12.08	21.25	24.12
14	17.08	10.60	5.22	7.96	10.13	3.08	-1.33	-6.76	-0.90	12.29	21.44	23.90
15	16.76	9.84	6.11	7.91	11.68	3.10	-0.82	-7.78	0.02	12.30	21.68	23.89
16	15.47	9.81	7.14	8.00	12.09	5.37	-0.99	-8.71	0.85	12.25	21.91	23.87
17	14.93	9.95	7.94	7.76	11.07	6.84	-1.44	-8.53	1.63	12.37	22.25	23.20
18	13.48	9.16	8.40	8.39	11.37	7.43	-3.78	-7.81	2.42	12.85	22.24	22.28
19	12.87	9.90	8.64	9.09	10.84	7.69	-5.31	-8.27	2.93	13.51	22.59	21.61
20	11.70	10.14	7.92	9.70	10.33	7.08	-5.70	-8.16	3.79	14.11	22.95	21.36
21	10.94	10.37	5.99	10.27	9.91	6.07	-6.10	-8.88	4.14	14.34	22.43	20.96
22	10.99	10.47	7.09	10.76	9.52	3.41	-7.93	-10.37	4.24	14.67	22.35	21.30
23	10.78	10.51	7.89	10.96	9.35	2.92	-7.42	-10.71	4.18	14.99	22.78	21.02
24	10.11	10.72	8.34	10.38	9.58	1.37	-7.59	-10.40	4.00	15.31	22.89	20.52
25	9.30	9.60	8.89	10.87	11.27	0.29	-8.65	-10.51	3.83	15.75	22.89	19.89
26	8.37	9.72	9.23	11.19	12.27	-1.17	-9.25	-12.57	4.74	16.11	22.66	21.20
27	7.45	9.53	9.58	11.64	12.92	-0.55	-6.98	-12.15	6.00	16.52	22.27	21.59
28	8.05	9.61	9.90	11.76	13.58	-0.77	-6.24	-12.92	6.59	17.01	22.25	21.96
29	9.26	9.29	10.05	10.56	14.16	-0.65	-5.79	-13.57	7.22	17.33	22.00	22.14
30	9.91	9.24	10.12	11.40	---	-1.63	-6.85	-13.36	7.70	17.62	20.87	22.19
31	10.24	---	10.10	12.10	---	-2.92	---	-13.15	---	17.84	20.06	---
MAX	22.40	12.50	10.12	12.10	14.45	14.33	-0.82	-1.76	7.70	17.84	22.95	24.12
*PREC	1.40	0.90	3.00	1.90	4.20	0.30	2.20	0.70	5.30	8.00	10.80	11.70

WTR YR 2004 MAX 24.12



WELL NUMBER.--273718082315501. Florida Power and Light Well at Piney Point, FL.

LOCATION.--Lat 27° 37'18", long 82° 31'55" (1927 North American datum), in NE 1/4 SE 1/4 sec.7, T.33 S., R.18 E., Hydrologic Unit 03100206, 0.4 mi east of U. S. Highway 41, and 0.8 mi southeast of Piney Point.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused private, artesian well, diameter 12 in., depth 950 ft, cased to 104 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Elevation of land-surface datum is 11.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 14.34 ft above land-surface datum. The figures of water level as elevation, in feet NGVD, between July 19, 2002 and Sept. 30, 2002, are in error. Correct elevations for these data may be obtained by using datum correction of 0.34 ft. Correct elevations are in files of the Geological Survey.

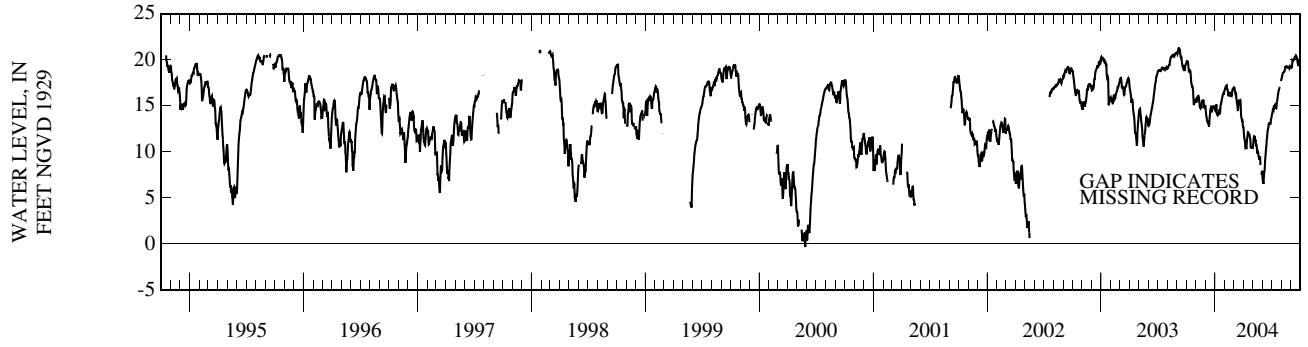
PERIOD OF RECORD.--May 1978 to current year. Prior to October 1979, published as (273718082315401) Willis Well at Piney Point.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.26 ft NGVD, Sept. 7, 2003; lowest, 4.84 ft below NGVD, May 26, 1989.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.70	15.36	14.90	14.49	16.76	17.00	12.68	10.48	7.22	14.07	17.92	19.10
2	19.81	15.44	14.58	14.62	16.82	17.01	12.16	10.91	6.86	14.21	18.12	19.20
3	19.85	15.61	14.25	14.86	16.97	16.95	11.62	11.21	6.74	14.35	18.28	19.23
4	19.86	15.70	13.86	15.00	17.07	16.65	11.42	11.61	6.53	14.62	18.41	19.44
5	19.83	15.85	13.72	15.15	17.07	16.44	11.32	11.68	7.10	14.60	18.55	19.98
6	19.80	15.96	13.43	14.18	17.17	16.25	10.92	11.66	7.73	14.55	18.59	19.94
7	19.39	16.05	13.29	14.06	17.22	16.17	10.51	11.64	7.87	14.83	18.62	19.90
8	19.03	16.07	13.43	14.02	16.87	16.23	10.56	11.30	8.24	14.95	18.68	19.89
9	18.78	15.68	13.00	14.21	16.82	15.84	10.52	11.18	9.03	14.97	18.71	19.99
10	18.63	15.74	13.21	14.11	16.78	15.72	10.30	11.20	9.47	14.75	18.74	20.05
11	18.78	15.65	13.32	13.97	16.50	15.32	10.76	10.79	9.91	15.06	18.83	20.14
12	18.84	15.28	12.74	14.17	16.23	15.16	11.29	10.82	10.33	15.12	18.99	20.25
13	18.83	14.94	12.96	14.23	16.03	14.84	11.55	10.73	10.60	15.02	19.29	20.26
14	18.65	14.80	13.64	14.52	16.27	14.43	11.89	10.42	11.18	14.78	19.21	20.34
15	18.11	14.74	13.95	14.54	16.37	14.74	12.13	9.83	11.53	14.74	19.24	20.37
16	17.64	14.90	14.42	14.08	16.40	15.36	12.11	10.08	11.87	15.02	19.28	20.44
17	17.40	15.04	14.62	14.21	16.26	15.54	11.99	10.05	12.20	15.34	19.29	20.35
18	17.28	14.77	14.70	14.89	16.22	15.59	11.96	9.89	12.39	15.60	19.27	20.28
19	17.10	15.29	14.92	15.16	16.09	15.56	11.94	9.53	12.55	15.84	19.21	20.21
20	17.11	15.38	15.00	15.24	16.08	15.32	11.91	9.46	12.72	16.10	19.16	20.03
21	16.95	15.49	14.29	15.38	16.23	15.39	11.67	9.39	13.08	16.36	19.17	19.69
22	16.60	15.62	14.64	15.62	16.16	15.46	11.55	9.13	13.12	16.55	19.23	19.69
23	16.18	15.48	14.82	15.78	16.10	15.00	11.37	9.42	13.00	16.67	19.19	19.57
24	15.53	15.67	14.86	15.90	16.28	13.94	10.53	9.42	13.03	16.81	19.21	19.32
25	15.08	15.39	14.87	16.12	16.61	13.72	10.53	8.58	13.05	16.97	19.21	19.44
26	15.27	15.06	14.98	16.24	16.80	13.62	10.45	---	12.93	17.07	19.08	20.06
27	15.47	14.89	14.72	16.38	16.80	13.36	10.46	---	13.17	---	19.16	19.84
28	15.34	14.94	14.91	16.37	16.85	13.32	10.47	---	13.47	---	19.29	19.71
29	15.56	14.87	15.01	16.18	16.92	13.33	10.53	7.52	13.59	---	19.24	19.80
30	15.57	14.88	14.74	16.50	---	12.81	10.49	7.87	13.84	17.70	19.12	19.79
31	15.63	---	14.53	16.58	---	12.70	---	7.94	---	17.78	19.10	---
MAX	19.86	16.07	15.01	16.58	17.22	17.01	12.68	---	13.84	---	19.29	20.44

CAL YR 2003 MAX 21.26



MANATEE COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
271906082112401	ROMP 23 MYAKKA CITY OCALA WELL NEAR MYAKKA CITY FL	20040518	12.50	NGVD29
		20040920	31.15	NGVD29
271906082112402	ROMP 23 MYAKKA CITY TAMPA WELL NEAR MYAKKA CITY	20040518	13.39	NGVD29
		20040920	30.61	NGVD29
272510082345701	ROMP TR 7-1 TAMPA WELL NEAR BRADENTON FL	20040518	15.18	NGVD29
		20040921	19.26	NGVD29
272537082033301	GOUGH FLORIDAN NEAR MYAKKA HEAD FL	20040517	10.67	NGVD29
		20040920	36.76	NGVD29
272612082330101	ROMP TR7-2 AVON PARK WELL NR BRADENTON FL	20040524	13.44	NGVD29
		20040921	21.70	NGVD29
272612082330102	ROMP TR 7-2 SUWANNEE WELL NR BRADENTON FL	20040524	13.11	NGVD29
		20040921	21.49	NGVD29
272612082330103	ROMP TR 7-2 ARCADIA 290 FT WELL NEAR BRADENTON FL	20040524	13.10	NGVD29
		20040921	19.28	NGVD29
272612082330104	ROMP TR7-2 ARCADIA 105FT WELL NR BRADENTON FL	20040524	13.00	NGVD29
		20040921	17.27	NGVD29
272728082153002	ROMP 33 SUWANNEE WELL NEAR BETHANY FL	20040517	-6.94	NGVD29
		20040921	22.97	NGVD29
272728082153003	ROMP 33 HAWTHORN WELL NEAR BETHANY FL	20040517	30.39	NGVD29
		20040921	37.74	NGVD29
272728082153004	ROMP 33 NSRD NEAR BETHANY FL	20040517	68.33	NGVD29
		20040921	70.46	NGVD29
272735082083401	USGS DEEP WELL NEAR MYAKKA HEAD FL	20040517	4.64	NGVD29
		20040920	31.95	NGVD29
272814082034802	ROMP 32 SUWANNEE WELL NEAR MYAKKA HEAD FL	20040517	12.52	NGVD29
		20040920	39.41	NGVD29
272855082362001	MEADOWCROFT FLORIDAN WELL AT BRADENTON FL	20040518	11.38	NGVD29
		20040921	16.59	NGVD29
272940082360801	MILLER ELEMENTARY SCH HAWTHORN WELL BRADENTON FL	20040518	11.44	NGVD29
		20040921	17.83	NGVD29
273253082072801	ESTECH HAWTHORN 44 NEAR DUETTE FL	20040525	108.53	NGVD29
		20040921	109.90	NGVD29
273255082072601	SWIFT-AVON PARK ON DUETTE ROAD NEAR DUETTE FL	20040525	13.19	NGVD29
		20040921	43.92	NGVD29
273354082352401	GEORGE STEVENS WELL 27A NEAR TERRA CEIA FL	20040519	6.86	NGVD29
		20040922	10.90	NGVD29
273458082324704	ROMP TR 8-1 ARCADIA REPLACE WELL AT RUBONIA FL	20040525	11.95	NGVD29
		20040921	17.97	NGVD29

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 2003 TO SEPTEMBER 2004

MANATEE COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
273458082324705	ROMP TR 8-1 SUWANNEE WELL AT RUBONIA FL	20040525	13.23	NGVD29
		20040921	21.64	NGVD29
273458082324707	ROMP TR 8-1 NRSD WELL AT RUBONIA FL	20040525	7.58	NGVD29
		20040921	10.65	NGVD29
273521082150501	ROMP 39 OAK KNOLL AVON PARK WELL NR PARRISH FL	20040517	-6.21	NGVD29
		20040921	24.44	NGVD29
273521082150502	ROMP 39 SUWANNEE WELL NEAR PARRISH FL	20040517	-6.02	NGVD29
		20040921	24.18	NGVD29
273521082150503	ROMP 39 INTERMEDIATE WELL NEAR PARRISH FL	20040517	86.49	NGVD29
		20040920	84.41	NGVD29
273605082071101	BUSBY DEEP WELL ON DUETTE ROAD AT DUETTE FL	20040519	21.95	NGVD29
		20040921	49.52	NGVD29

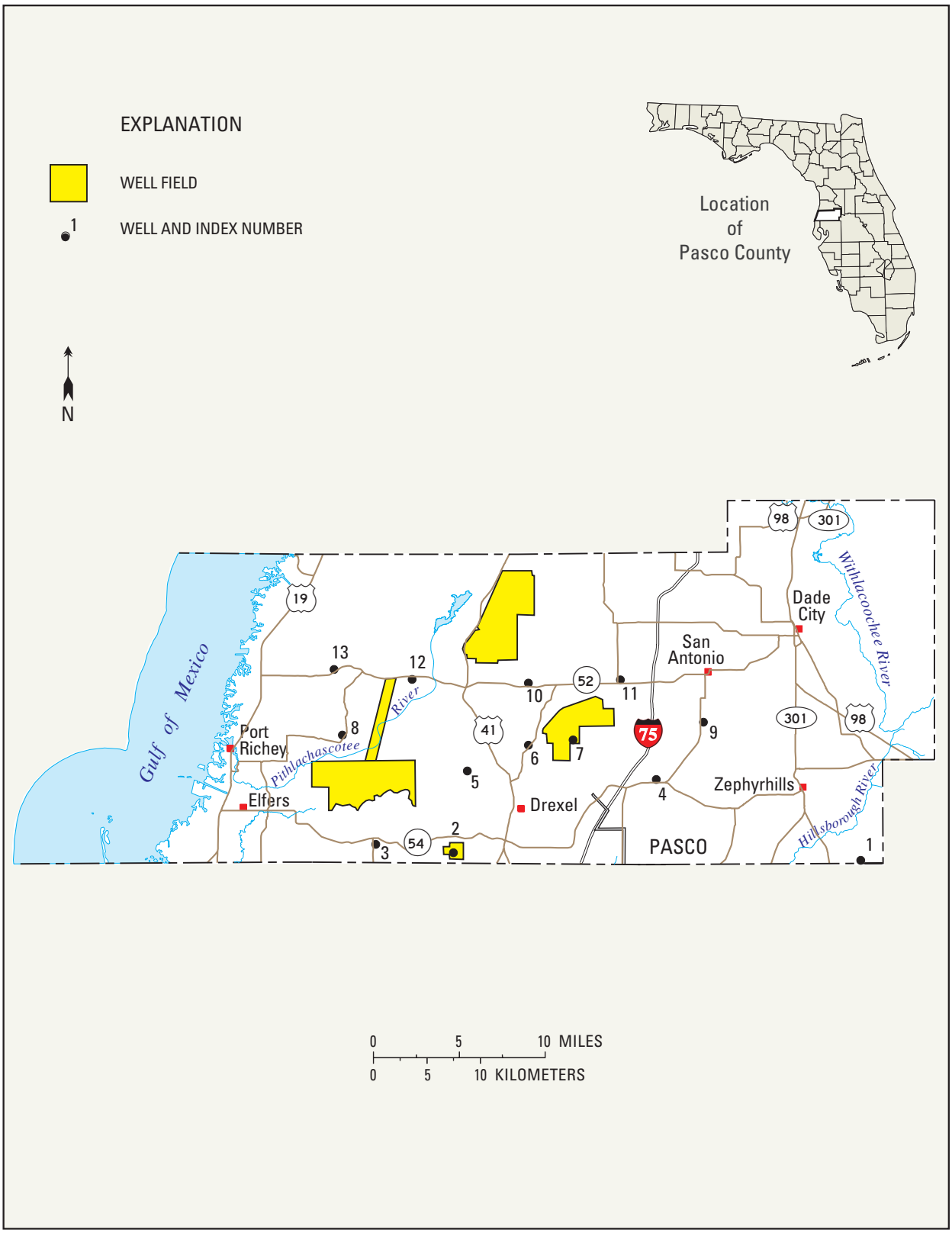


Figure 19.-- Location of wells in Pasco County.

KEY TO SITE LOCATIONS ON FIGURE 19

PASCO COUNTY

INDEX NUMBER	SITE NUMBER
1	281023082075701
2	281053082310402
3	281124082353001
4	281424082192701
5	281448082301801
6	281558082264601
7	281622082241301
8	281636082372001
8	281636082372002
9	281715082164401
9	281715082164402
10	281918082264601
11	281926082212901
12	281949082332001
13	282009082373801

PASCO COUNTY

WELL NUMBER.--281023082075701. Weicht Deep Well near Crystal Springs, FL.

LOCATION.--Lat 28° 10'23", long 82° 07'57" (1927 North American datum), in SE 1/4 SW 1/4 sec.32, T.26 S., R.22 E., Hydrologic Unit 03100205, 1.5 mi east of State Highway 39, and 1.8 mi southeast of Crystal Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 3 in., depth 100 ft, cased to 60 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 90 ft, from topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum.

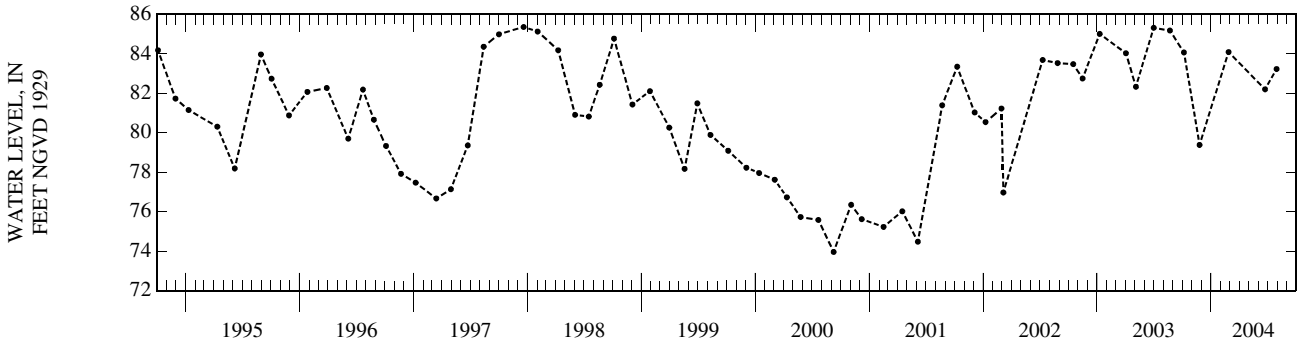
PERIOD OF RECORD.--May 1973 to current year (periodic). Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.36 ft NGVD, Dec.19, 1997; lowest measured, 73.58 ft NGVD, June 14, 1990.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	84.07	NOV 25	79.38	FEB 26	84.09	JUN 22	82.20	JUL 29	83.23

WATER YEAR 2004 LOWEST 79.38 NOV 25, 2003 HIGHEST 84.09 FEB 26, 2004



WELL NUMBER.--281053082310402. St. Petersburg Shallow Well 105 near Land O'Lakes, FL.

LOCATION.--Lat 28° 10'53", long 82° 31'04" (1927 North American datum), in SW 1/4 NW 1/4 sec.33, T.26 S., R.18 E., Hydrologic Unit 03100207, 1.2 mi south of State Highway 54, and 3.2 mi west of Land O'Lakes.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 18 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 57.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.20 ft above land-surface datum.

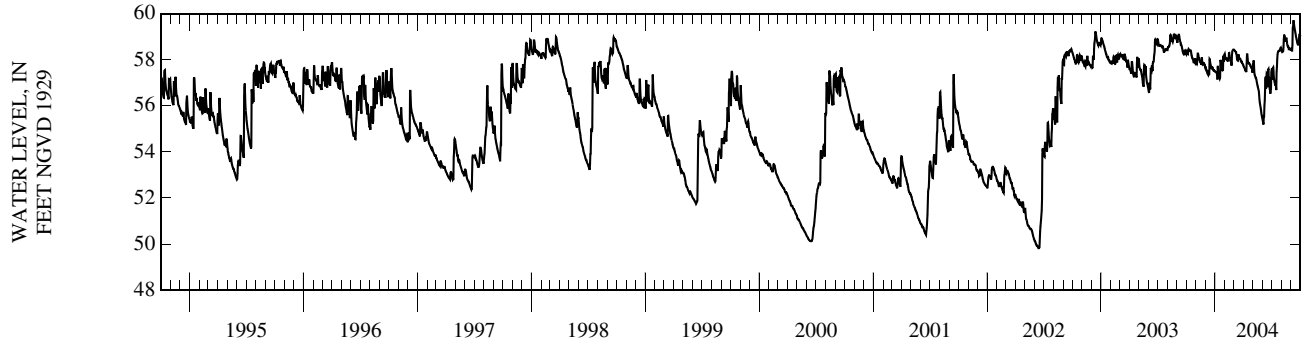
PERIOD OF RECORD.--March 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 59.71 ft NGVD, Sept. 9, 2004; lowest, 49.82 ft NGVD, June 14, 15, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58.37	57.80	57.69	57.48	58.25	58.44	57.73	57.82	55.41	57.62	58.39	58.47
2	58.35	57.87	57.67	57.48	58.16	58.42	57.70	57.69	55.33	57.29	58.38	58.44
3	58.31	57.91	57.61	57.47	58.07	58.40	57.68	57.97	55.25	57.13	58.33	58.40
4	58.28	57.88	57.54	57.47	58.03	58.39	57.65	57.93	55.19	57.65	58.34	58.40
5	58.25	58.07	57.54	57.46	58.03	58.37	57.63	57.56	55.55	57.67	58.38	58.64
6	58.24	58.27	57.49	57.42	58.10	58.35	57.56	57.38	55.55	57.51	58.38	59.40
7	58.42	58.27	57.42	57.35	58.06	58.33	57.53	57.32	56.03	57.31	58.53	59.42
8	58.46	58.19	57.40	57.14	57.98	58.33	57.53	57.31	56.22	57.18	58.87	59.68
9	58.44	58.10	57.37	57.70	57.97	58.27	57.51	57.27	56.75	57.08	59.06	59.71
10	58.41	58.07	57.51	57.70	57.98	58.22	57.46	57.22	57.14	57.01	59.06	59.54
11	58.41	58.04	57.51	57.46	57.98	58.07	57.92	57.22	57.26	56.92	59.02	59.42
12	58.40	58.00	57.36	57.38	57.97	58.01	58.23	57.16	56.74	56.91	58.91	59.34
13	58.39	57.96	57.37	57.37	57.97	57.97	58.23	57.08	57.21	56.99	58.83	59.27
14	58.40	57.91	58.03	57.27	58.28	57.96	58.08	57.00	57.41	56.83	58.84	59.20
15	58.40	57.88	58.01	57.21	58.29	58.17	57.91	56.94	57.39	56.68	58.92	59.10
16	58.31	57.87	57.86	57.17	58.18	58.23	57.88	56.88	57.39	57.48	58.93	59.01
17	58.20	57.87	57.82	57.21	58.09	58.18	57.87	56.81	56.98	57.68	58.93	58.96
18	58.17	57.78	57.72	57.99	58.06	58.04	57.86	56.76	56.81	58.03	58.82	58.89
19	58.09	58.10	57.69	57.96	58.04	58.04	57.84	56.69	57.58	58.23	58.69	58.82
20	58.06	58.04	57.65	57.86	57.97	58.05	57.84	56.65	57.60	58.32	58.62	58.74
21	58.05	57.80	57.59	57.68	57.92	58.05	57.81	56.45	57.18	58.34	58.59	58.69
22	58.02	57.79	57.64	57.61	57.81	58.03	57.79	56.26	57.25	58.38	58.59	58.68
23	57.97	57.82	57.67	57.55	57.75	57.94	57.74	56.15	57.05	58.38	58.56	58.68
24	57.89	57.83	57.66	57.54	58.20	57.92	57.72	56.05	56.71	58.38	58.46	58.66
25	57.89	57.86	57.61	57.55	58.35	57.91	57.68	55.97	56.70	58.39	58.46	58.63
26	57.92	57.85	57.55	57.56	58.39	57.92	57.68	55.89	56.53	58.42	58.49	58.91
27	57.91	57.79	57.55	58.18	58.42	57.88	57.66	55.79	56.70	58.42	58.49	59.09
28	58.00	57.79	57.54	58.12	58.44	57.86	57.61	55.72	56.75	58.50	58.48	59.09
29	58.06	57.74	57.54	57.93	58.44	57.84	57.45	55.63	57.46	58.51	58.44	59.08
30	57.91	57.68	57.51	58.05	---	57.81	57.59	55.56	57.54	58.53	58.44	59.02
31	57.80	---	57.50	58.22	---	57.79	---	55.49	---	58.48	58.45	---
MAX	58.46	58.27	58.03	58.22	58.44	58.44	58.23	57.97	57.60	58.53	59.06	59.71

CAL YR 2003 MAX 59.10
WTR YR 2004 MAX 59.71



WELL NUMBER.--281124082353001. Swains Well at Odessa, FL.

LOCATION.--Lat 28° 11'24", long 82° 35'30" (1927 North American datum), in SW 1/4 SE 1/4 sec.27, T.26 S., R.17 E., Hydrologic Unit 03100207, 0.3 mi south of Odessa, and 7.7 mi west of Land O'Lakes.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 6 in., depth 316 ft, cased to 65 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 50.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of sanitary seal plug, 2.62 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby wells.

PERIOD OF RECORD.--August 1963 to November 1967; July 1969 to September 1981; October 1981 to June 2004 (periodic), discontinued. Records of water levels prior to January 1974 are available in files of the Geological Survey.

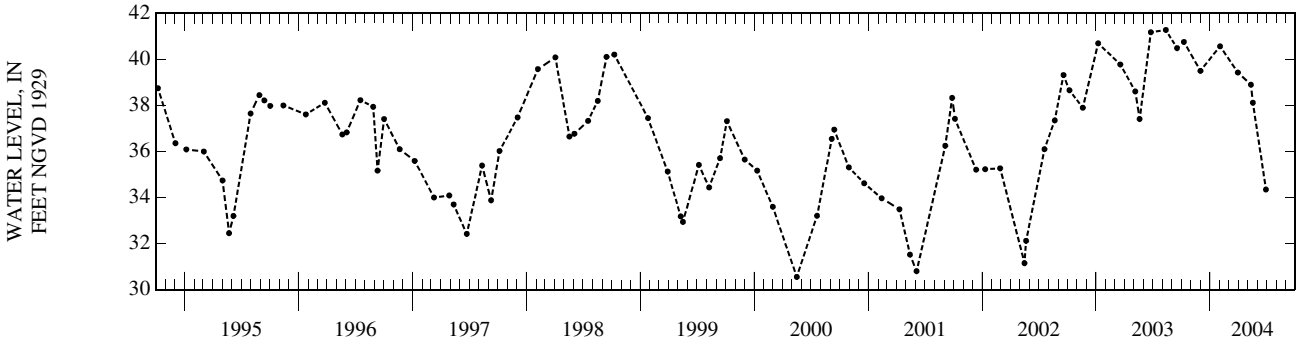
REVISED RECORDS.--WRD FL-76-3: 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 42.08 ft NGVD, Sept. 30, 1979; lowest measured, 30.55 ft NGVD, May 16, 2000.

WATER SURFACE ELEVATION IN FEET NGVD 1929, PERIOD OCTOBER 2003 TO JUNE 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	40.76	FEB 02	40.57	MAY 11	38.90	JUN 28	34.35
DEC 01	39.50	MAR 30	39.43	17	38.12		

WATER YEAR 2004 LOWEST 34.35 JUN 28, 2004 HIGHEST 40.76 OCT 09, 2003



WELL NUMBER.--281424082192701. ROMP 85 Avon Park Well near Zephyrhills, FL.

LOCATION.--Lat 28° 14'24", long 82° 19'27" (1927 North American datum), in SE 1/4 NE 1/4 sec.8, T.26 S., R.20 E., Hydrologic Unit 03100205, 30 ft south of State Highway 54, and 9.0 mi west of Zephyrhills.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 505 ft, cased to 450 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

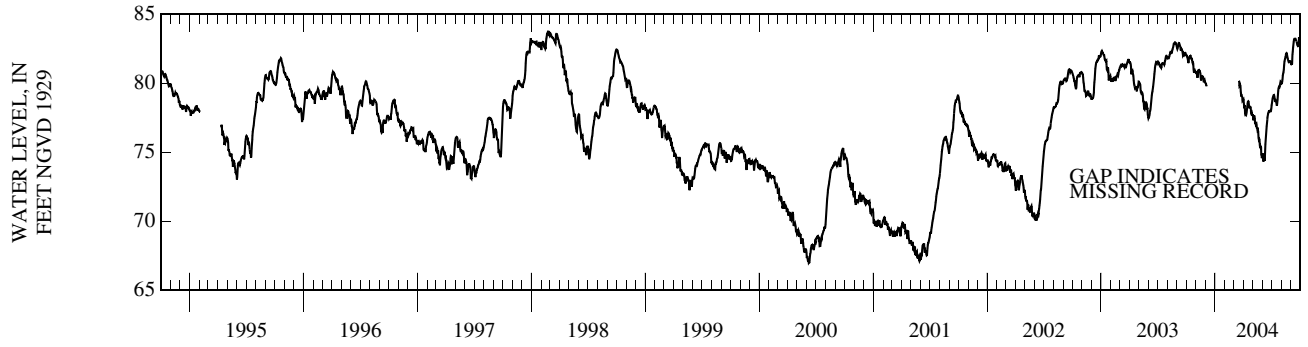
DATUM.--Land-surface datum is 107.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.39 ft above land-surface datum.

PERIOD OF RECORD.--February 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 83.78 ft NGVD, Feb. 23, 1998; lowest, 66.98 ft NGVD, June 9, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81.99	80.77	80.04	---	---	---	78.82	77.69	74.92	78.54	79.97	81.37
2	81.99	80.78	79.98	---	---	---	78.57	77.38	74.75	78.70	80.00	81.40
3	81.94	80.80	79.94	---	---	---	78.34	77.31	74.53	78.88	80.11	81.34
4	81.88	80.69	79.78	---	---	---	78.38	77.53	74.32	78.98	80.28	81.42
5	81.78	80.39	79.86	---	---	---	78.35	77.66	74.72	79.04	80.55	82.05
6	81.68	80.50	---	---	---	---	77.81	77.55	74.73	79.09	80.69	82.27
7	81.46	80.78	---	---	---	---	77.69	77.44	74.60	79.12	80.80	82.58
8	81.51	80.92	---	---	---	---	77.70	77.14	74.38	79.13	80.96	82.79
9	81.78	80.92	---	---	---	---	77.68	77.09	75.02	79.04	81.30	82.98
10	81.87	80.95	---	---	---	---	77.77	77.02	75.59	78.88	81.55	83.15
11	81.91	80.92	---	---	---	---	77.90	77.10	75.92	78.72	81.67	83.20
12	81.88	80.91	---	---	---	---	78.12	77.11	76.25	78.74	81.74	83.21
13	81.95	80.89	---	---	---	---	78.29	76.96	76.55	78.76	81.87	83.19
14	81.98	80.77	---	---	---	---	78.53	76.72	76.88	78.69	81.90	83.20
15	81.93	80.67	---	---	---	---	78.67	76.80	77.13	78.61	82.06	83.19
16	81.78	80.40	---	---	---	---	78.69	76.58	77.35	78.49	82.15	83.14
17	81.77	80.20	---	---	---	80.17	78.65	76.61	77.52	78.35	82.17	83.08
18	81.77	80.33	---	---	---	80.14	78.55	76.48	77.66	78.55	82.13	83.01
19	81.67	80.47	---	---	---	79.79	78.32	76.07	77.79	78.79	81.99	82.92
20	81.50	80.48	---	---	---	79.82	78.18	75.92	77.85	79.11	81.86	82.78
21	81.43	80.50	---	---	---	79.89	78.29	75.97	77.95	79.42	81.76	82.74
22	81.46	80.46	---	---	---	79.84	78.30	75.93	77.93	79.62	81.68	82.75
23	81.41	80.45	---	---	---	79.41	78.28	75.51	77.96	79.71	81.59	82.73
24	81.01	80.40	---	---	---	79.15	78.25	75.34	77.98	79.74	81.51	82.68
25	80.82	80.12	---	---	---	79.17	77.95	75.32	77.99	79.72	81.53	82.70
26	80.75	80.13	---	---	---	79.11	77.84	75.42	77.97	79.76	81.59	83.33
27	80.90	80.18	---	---	---	79.05	77.88	75.37	77.96	79.89	81.59	83.04
28	80.93	80.22	---	---	---	78.92	77.69	74.85	78.01	79.99	81.60	83.12
29	80.87	80.09	---	---	---	78.73	77.69	74.80	78.16	80.12	81.57	83.19
30	80.79	80.06	---	---	---	78.77	77.72	74.56	78.39	80.10	81.48	83.17
31	80.75	---	---	---	---	78.78	---	74.75	---	80.05	81.41	---
MAX	81.99	80.95	---	---	---	---	78.82	77.69	78.39	80.12	82.17	83.33



WELL NUMBER.--281448082301801. Bexley Well 2 near Drexel, FL.

LOCATION.--Lat 28° 14'48", long 82° 30'18" (1927 North American datum), in SE 1/4 SE 1/4 sec.4, T.26 S., R.18 E., Hydrologic Unit 03100207, 2.0 mi west of U. S. Highway 41, and 2.8 mi west of Drexel.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in., depth 743 ft, cased to 44 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 67.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.02 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby irrigation wells.

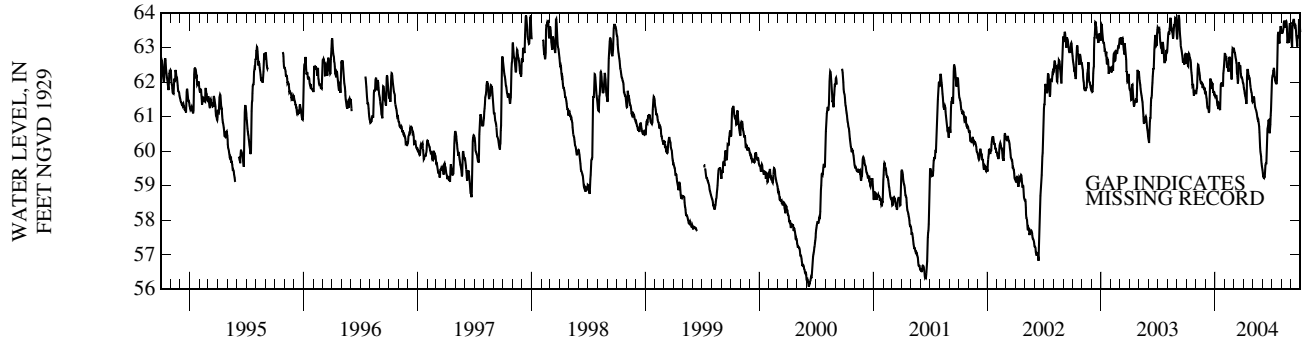
PERIOD OF RECORD.--November 1969 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 64.07 ft NGVD, Sept. 9, 1988; lowest, 55.84 ft NGVD, May 14, 1974.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62.78	61.65	61.69	61.58	62.82	62.97	61.94	61.45	59.45	62.04	63.40	63.21
2	62.83	61.72	61.70	61.61	62.82	62.92	61.84	61.40	59.37	62.14	63.50	63.14
3	62.77	61.81	61.65	61.61	62.80	62.86	61.80	61.49	59.27	62.19	63.46	63.06
4	62.68	61.85	61.57	61.60	62.73	62.85	61.75	61.58	59.25	62.19	63.41	63.00
5	62.56	62.09	61.52	61.60	62.69	62.80	61.67	61.53	59.27	62.32	63.48	63.73
6	62.47	62.39	61.39	61.53	62.70	62.73	61.62	61.45	59.26	62.34	63.50	63.69
7	62.46	62.51	61.29	61.40	62.61	62.68	61.58	61.35	59.24	62.39	63.56	63.75
8	62.78	62.50	61.25	61.33	62.41	62.64	61.53	61.30	59.26	62.39	63.71	63.75
9	62.83	62.42	61.25	61.32	62.43	62.58	61.46	61.26	59.42	62.29	63.78	63.83
10	62.81	62.37	61.31	61.32	62.44	62.54	61.37	61.23	59.58	62.15	63.75	63.79
11	62.73	62.31	61.19	61.22	62.42	62.27	61.47	61.20	59.64	62.10	63.66	63.68
12	62.68	62.27	61.11	61.32	62.38	62.20	62.14	61.17	59.65	62.05	63.58	63.62
13	62.68	62.19	61.14	61.39	62.30	62.11	62.34	61.13	59.65	62.07	63.61	63.64
14	62.65	62.08	61.55	61.38	62.57	61.96	62.38	61.07	60.01	62.01	63.61	63.65
15	62.57	62.05	61.85	61.33	62.73	62.06	62.34	61.00	60.29	61.94	63.76	63.59
16	62.37	61.98	62.07	61.23	62.71	62.50	62.25	60.94	60.50	61.96	63.77	63.50
17	62.27	61.97	62.10	61.19	62.71	62.58	62.18	60.91	60.64	62.04	63.73	63.35
18	62.19	61.94	62.04	61.65	62.66	62.52	62.14	60.92	60.69	62.54	63.61	63.26
19	62.03	62.01	62.03	61.92	62.65	62.44	62.15	60.85	60.75	63.08	63.35	63.16
20	61.90	61.98	61.95	61.96	62.63	62.45	62.14	60.79	60.89	63.36	63.13	63.03
21	61.92	61.88	61.81	61.97	62.48	62.49	62.10	60.71	60.90	63.43	63.15	63.27
22	61.95	61.83	61.89	61.97	62.25	62.44	62.00	60.55	60.84	63.43	63.30	63.36
23	61.89	61.86	61.96	61.92	62.08	62.26	61.90	60.31	60.66	63.34	63.27	63.34
24	61.71	61.89	61.95	61.93	62.37	62.18	61.83	60.11	60.52	63.17	63.14	63.30
25	61.61	61.86	61.78	61.92	62.85	62.14	61.77	59.98	60.65	63.12	63.30	63.28
26	61.67	61.80	61.72	61.87	62.97	62.14	61.72	59.92	60.77	63.21	63.56	63.82
27	61.71	61.79	61.72	62.25	62.96	62.12	61.70	59.85	61.03	63.43	63.68	63.62
28	61.73	61.84	61.69	62.33	62.97	62.09	61.60	59.75	61.19	63.52	63.68	63.61
29	61.77	61.71	61.72	62.45	62.97	62.06	61.46	59.65	61.48	63.62	63.61	63.57
30	61.73	61.71	61.68	62.51	---	61.99	61.43	59.57	61.77	63.59	63.44	63.45
31	61.69	---	61.61	62.67	---	61.98	---	59.51	---	63.49	63.33	---
MAX	62.83	62.51	62.10	62.67	62.97	62.97	62.38	61.58	61.77	63.62	63.78	63.83

CAL YR 2003 MAX 63.94
WTR YR 2004 MAX 63.83



WELL NUMBER.--281558082264601. Pasco Well 13 near Drexel, FL.

LOCATION.--Lat 28° 15'58", long 82° 26'46" (1927 North American datum), in SE 1/4 NW 1/4 sec.31, T.25 S., R.19 E., Hydrologic Unit 03100205, 300 ft southeast of State Highway 583, and 1.9 mi northeast of Drexel.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122TAMP.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 6 in., depth 49 ft, cased to 43 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 80.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.19 ft above land-surface datum.

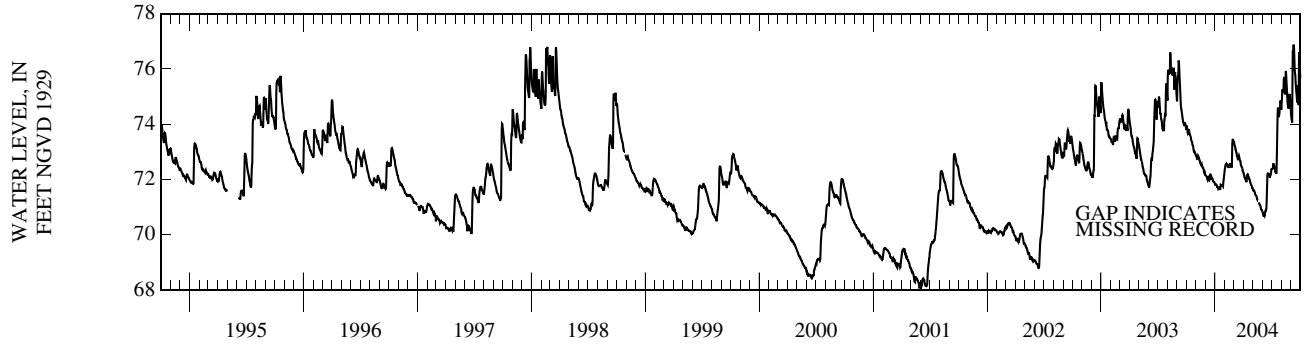
PERIOD OF RECORD.--March to September 1934; February 1936 to April 1950 (periodic); June 1951 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 77.24 ft NGVD, Mar. 18, 1960; lowest, 68.00 ft NGVD, June 1, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73.93	72.86	72.18	71.83	72.36	73.37	72.26	71.65	70.84	72.38	74.74	74.26
2	73.93	72.83	72.15	71.81	72.40	73.32	72.20	71.61	70.79	72.38	74.86	74.19
3	73.88	72.80	72.13	71.81	72.52	73.25	72.15	71.61	70.73	72.39	75.17	74.13
4	73.81	72.75	72.12	71.82	72.54	73.22	72.09	71.61	70.69	72.41	75.26	74.05
5	73.72	72.76	72.11	71.82	72.56	73.17	72.06	71.59	70.69	72.56	75.22	75.49
6	73.66	72.81	72.09	71.79	72.58	73.11	72.04	71.57	70.69	72.56	75.20	76.66
7	73.68	72.86	72.03	71.74	72.56	73.06	72.03	71.54	70.67	72.55	75.27	76.63
8	73.79	72.84	72.00	71.74	72.51	73.03	72.00	71.50	70.72	72.54	75.61	76.81
9	73.78	72.80	72.05	71.72	72.51	72.98	71.95	71.47	70.81	72.48	75.71	76.88
10	73.73	72.78	72.07	71.71	72.51	72.96	71.90	71.43	70.86	72.40	75.57	76.77
11	73.66	72.75	72.02	71.67	72.50	72.85	71.97	71.42	70.88	72.36	75.31	76.37
12	73.62	72.71	71.98	71.69	72.47	72.83	72.13	71.41	70.88	72.29	75.08	76.02
13	73.61	72.68	71.97	71.70	72.42	72.80	72.17	71.39	70.95	72.29	75.12	75.84
14	73.57	72.62	72.07	71.71	72.48	72.74	72.19	71.33	71.20	72.26	75.88	75.77
15	73.53	72.59	72.13	71.70	72.53	72.70	72.18	71.28	71.64	72.21	75.93	75.52
16	73.44	72.56	72.17	71.68	72.53	72.84	72.14	71.26	72.06	72.31	75.77	75.36
17	73.41	72.52	72.18	71.62	72.55	72.87	72.10	71.26	72.18	72.74	75.49	75.19
18	73.38	72.52	72.14	71.73	72.54	72.82	72.07	---	72.22	73.35	75.26	75.07
19	73.33	72.55	72.13	71.80	72.54	72.77	72.03	---	72.22	74.29	75.02	74.93
20	73.27	72.49	72.07	71.79	72.55	72.73	72.02	71.17	72.21	74.57	74.83	74.79
21	73.22	72.47	71.99	71.79	72.53	72.69	71.99	71.14	72.20	74.57	74.70	75.40
22	73.21	72.45	72.03	71.79	72.47	72.67	71.93	71.12	72.19	74.45	74.68	75.30
23	73.17	72.43	72.04	71.77	72.43	72.56	71.88	71.08	72.15	74.26	74.57	75.02
24	73.08	72.41	72.03	71.77	72.63	72.51	71.86	71.07	72.10	74.30	74.70	74.81
25	73.02	72.37	71.96	71.77	73.29	72.48	71.83	71.05	72.09	74.43	74.71	74.69
26	73.02	72.30	71.93	71.75	73.44	72.46	71.80	70.99	72.13	74.56	75.06	76.55
27	73.01	72.26	71.92	71.90	73.44	72.44	71.78	70.93	72.20	74.58	75.10	76.61
28	72.99	72.27	71.91	71.99	73.43	72.41	71.74	70.91	72.23	74.76	74.99	76.35
29	72.96	72.21	71.91	72.09	73.40	72.34	71.69	70.90	72.35	74.86	74.79	75.97
30	72.91	72.18	71.89	72.15	---	72.30	71.69	70.89	72.38	74.75	74.57	75.67
31	72.89	---	71.85	72.26	---	72.29	---	70.87	---	74.52	74.39	---
MAX	73.93	72.86	72.18	72.26	73.44	73.37	72.26	---	72.38	74.86	75.93	76.88

CAL YR 2003 MAX 76.60



WELL NUMBER.--281622082241301. Cypress Creek Deep Well 3 near Ehren, FL.

LOCATION.--Lat 28° 16'22", long 82° 24'13" (1927 North American datum), in NE 1/4 NE 1/4 sec.33, T.25 S., R.19 E., Hydrologic Unit 03100205, 2.7 mi east of Ehren, and 6.6 mi south of Darby.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 352 ft, cased to 136 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 64.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 1.00 ft above land-surface datum.

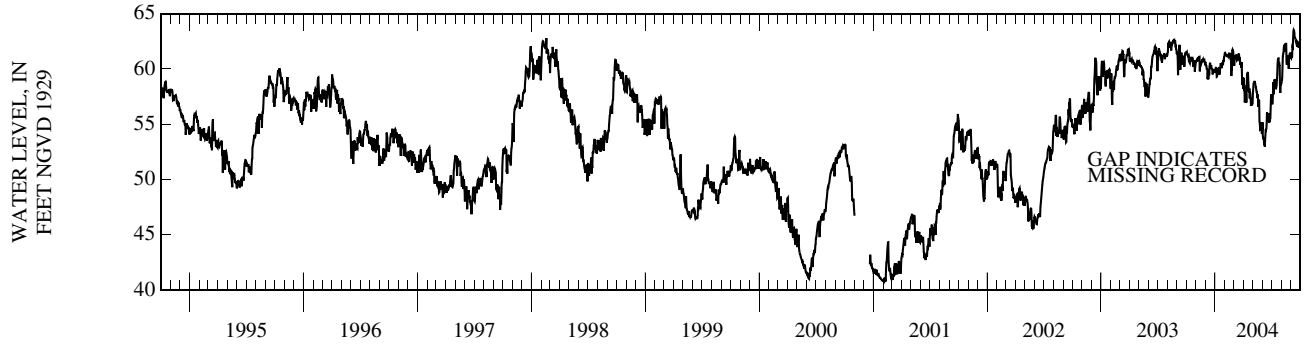
PERIOD OF RECORD.--June 1974 to current year. Prior to October 1977, published as Cypress Creek Deep Well 3 near Darby.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 63.68 ft NGVD, Sept. 10, 1974; lowest, 40.77 ft NGVD, Feb. 2, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61.49	60.65	60.64	59.87	61.44	61.22	59.14	57.77	55.18	57.14	58.80	61.02
2	61.54	60.73	60.39	59.97	61.47	60.29	59.21	58.25	53.90	56.80	58.88	61.19
3	61.40	60.83	60.34	60.10	61.40	60.93	58.26	58.66	53.74	57.03	59.24	61.02
4	61.40	60.65	60.30	60.18	61.38	61.02	58.31	58.74	53.76	57.64	60.35	61.12
5	61.33	60.85	60.02	59.81	61.27	61.12	56.97	58.84	53.72	58.82	61.16	62.02
6	61.23	61.02	60.01	59.30	61.21	61.14	57.30	58.84	53.14	57.70	61.35	61.97
7	61.16	60.91	59.98	59.34	61.21	61.19	57.38	58.85	53.42	58.12	61.50	62.70
8	61.21	60.98	59.08	59.70	61.17	61.25	57.44	58.75	52.98	58.47	61.89	63.31
9	60.70	60.97	59.60	59.90	61.20	61.25	57.75	58.63	53.51	58.90	62.11	63.52
10	60.96	61.05	59.07	59.97	61.23	60.96	56.96	58.36	53.96	59.06	62.16	63.46
11	60.60	61.08	59.44	60.07	61.22	60.80	58.45	58.35	54.55	58.77	62.09	63.25
12	60.54	61.09	59.71	59.82	61.11	60.84	59.43	58.12	54.48	58.97	61.98	62.85
13	60.79	59.78	59.67	59.93	61.08	60.89	59.63	57.92	54.56	58.99	61.71	62.81
14	60.97	60.53	60.22	60.15	61.37	60.87	59.65	57.91	55.09	58.16	61.55	62.80
15	61.00	60.70	60.46	59.50	61.46	61.07	59.64	57.36	56.07	58.33	62.27	62.70
16	60.93	60.55	60.57	59.82	61.24	61.33	58.96	57.64	55.88	58.50	62.28	62.48
17	61.07	60.46	60.20	60.00	61.27	61.34	58.31	57.70	55.32	58.95	60.60	62.36
18	60.96	60.58	60.12	60.27	61.27	61.19	58.01	56.57	55.41	59.51	60.39	62.25
19	60.94	60.72	60.35	60.52	61.29	60.87	57.87	57.00	55.50	60.40	60.51	62.13
20	60.97	60.70	60.09	60.42	61.03	60.90	58.23	57.14	55.87	60.82	60.53	62.02
21	60.84	60.76	60.02	60.44	60.83	60.65	57.34	57.22	55.16	60.93	61.23	62.43
22	60.40	60.80	59.99	60.08	59.37	60.38	57.93	55.22	55.97	60.94	61.06	62.39
23	60.33	60.85	59.99	60.24	60.06	60.61	57.65	55.10	55.16	60.48	60.54	62.17
24	60.19	60.69	59.50	60.52	59.84	60.14	57.31	54.57	55.26	60.62	60.02	62.13
25	60.37	60.82	59.58	60.55	61.65	60.53	56.66	54.61	55.47	60.31	60.84	61.92
26	60.64	60.83	59.95	60.35	61.75	60.61	57.35	54.46	55.51	60.37	61.20	62.13
27	60.77	60.84	59.87	60.81	61.68	59.02	57.02	55.20	56.30	58.65	61.38	61.90
28	59.76	60.65	59.77	60.64	61.57	58.55	56.80	54.69	57.47	57.83	61.42	62.09
29	60.13	60.53	59.80	60.96	61.05	59.22	56.79	54.57	57.73	58.79	61.40	62.60
30	60.33	60.57	59.72	61.04	---	58.65	56.86	54.12	57.32	58.53	60.98	62.74
31	60.59	---	59.95	61.14	---	58.20	---	54.53	---	58.62	61.08	---
MAX	61.54	61.09	60.64	61.14	61.75	61.34	59.65	58.85	57.73	60.94	62.28	63.52

CAL YR 2003 MAX 62.62
WTR YR 2004 MAX 63.52



WELL NUMBER.--281636082372001. Moon Lake Deep Well near New Port Richey, FL.

LOCATION.--Lat 28° 16'36", long 82° 37'20" (1927 North American datum), in NW 1/4 SE 1/4 sec.29, T.25 S., R.17 E., Hydrologic Unit 03100207, 20 ft west of State Highway 587, and 5.9 mi east of New Port Richey.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 115 ft, cased to 65 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 38.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.30 ft above land-surface datum.

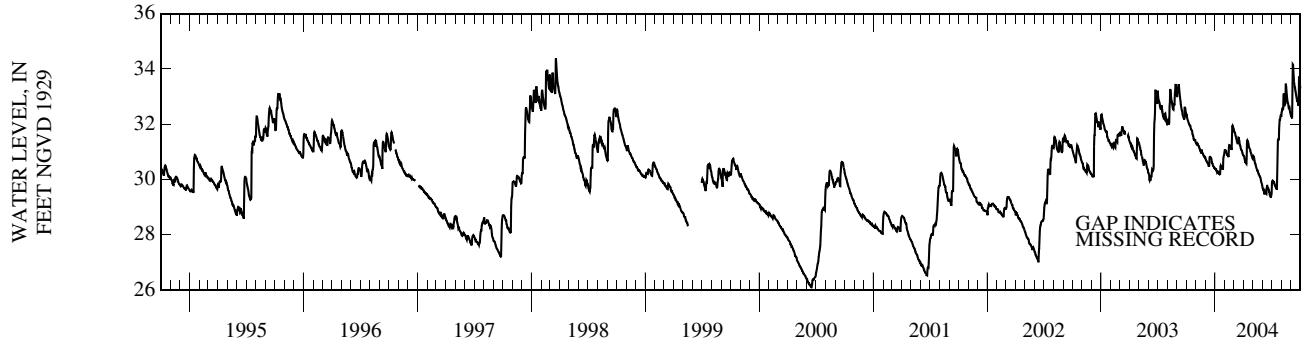
PERIOD OF RECORD.--April 1966 to September 1981; October 1981 to April 1983 (periodic); May 1983 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 34.38 ft NGVD, Mar. 20, 1998; lowest, 26.10 ft NGVD, June 16, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.35	31.31	30.77	30.39	31.06	31.80	30.87	30.74	29.71	29.88	32.41	32.29
2	32.31	31.30	30.72	30.38	31.06	31.73	30.85	30.70	29.68	29.94	32.47	32.30
3	32.25	31.29	30.70	30.37	31.06	31.72	30.84	30.84	29.63	29.96	32.53	32.22
4	32.20	31.23	30.68	30.37	31.05	31.71	30.77	30.82	29.61	29.94	32.53	32.21
5	32.16	31.27	30.66	30.32	31.04	31.66	30.72	30.76	29.58	29.91	32.61	32.83
6	32.14	31.29	30.63	30.30	30.99	31.60	30.65	30.68	29.57	29.90	32.54	34.17
7	32.10	31.26	30.62	30.26	30.95	31.57	30.64	30.62	29.46	29.92	33.02	34.15
8	32.06	31.23	30.60	30.28	30.91	31.52	30.62	30.59	29.53	29.91	33.11	33.91
9	32.03	31.20	30.58	30.29	30.91	31.48	30.59	30.58	29.58	29.86	33.02	33.70
10	31.99	31.19	30.58	30.27	30.88	31.46	30.57	30.53	29.55	29.80	32.87	33.55
11	31.97	31.15	30.49	30.25	30.86	31.38	30.75	30.48	29.52	29.78	32.76	33.43
12	31.96	31.13	30.49	30.23	30.84	31.35	31.39	30.44	29.49	29.76	32.72	33.34
13	31.95	31.11	30.50	30.22	30.81	31.32	31.41	30.41	29.48	29.74	32.75	33.33
14	31.90	31.05	30.79	30.23	31.17	31.28	31.38	30.37	29.66	29.71	33.42	33.23
15	31.86	31.04	30.82	30.21	31.24	31.42	31.37	30.33	29.76	29.67	33.47	33.17
16	31.81	31.01	30.82	30.19	31.23	31.51	31.32	30.33	29.77	29.66	33.35	33.10
17	31.80	30.98	30.81	30.20	31.23	31.50	31.27	30.28	29.75	29.66	33.19	33.02
18	31.78	30.95	30.78	30.47	31.21	31.42	31.20	30.25	29.71	30.14	33.06	32.96
19	31.76	31.08	30.77	30.50	31.20	31.36	31.16	30.20	29.67	30.93	32.93	32.88
20	31.65	31.01	30.74	30.47	31.18	31.25	31.14	30.19	29.67	31.40	32.83	32.80
21	31.62	30.97	30.62	30.46	31.16	31.24	31.12	30.16	29.64	31.45	32.78	32.94
22	31.60	30.95	30.61	30.44	31.11	31.19	31.09	30.13	29.56	31.47	32.75	32.86
23	31.57	30.93	30.59	30.40	31.07	31.13	31.03	30.12	29.54	31.42	32.66	32.76
24	31.49	30.89	30.57	30.39	31.51	31.09	31.00	30.10	29.48	31.86	32.58	32.71
25	31.44	30.87	30.50	30.38	31.92	31.07	30.95	30.07	29.42	32.07	32.58	32.66
26	31.44	30.84	30.49	30.38	31.95	31.06	30.90	30.00	29.39	32.16	32.60	33.66
27	31.43	30.84	30.48	30.77	31.92	31.01	30.87	29.96	29.37	32.16	32.52	33.73
28	31.43	30.83	30.45	30.82	31.88	30.98	30.83	29.91	29.37	32.22	32.45	33.56
29	31.43	30.80	30.43	30.86	31.85	30.95	30.79	29.88	29.41	32.30	32.40	33.42
30	31.37	30.80	30.42	30.88	---	30.91	30.78	29.84	29.52	32.34	32.36	33.30
31	31.34	---	30.39	30.98	---	30.89	---	29.79	---	32.27	32.33	---
MAX	32.35	31.31	30.82	30.98	31.95	31.80	31.41	30.84	29.77	32.34	33.47	34.17

WTR YR 2004 MAX 34.17



WELL NUMBER.--281636082372002. Moon Lake Shallow Well near New Port Richey, FL.

LOCATION.--Lat 28° 16'36", long 82° 37'20" (1927 North American datum), in NW 1/4 SE 1/4 sec.29, T.25 S., R.17 E., Hydrologic Unit 03100207, 20 ft west of State Highway 587, and 5.9 mi east of New Port Richey.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 25 ft, cased to 22 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 38.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.80 ft above land-surface datum.

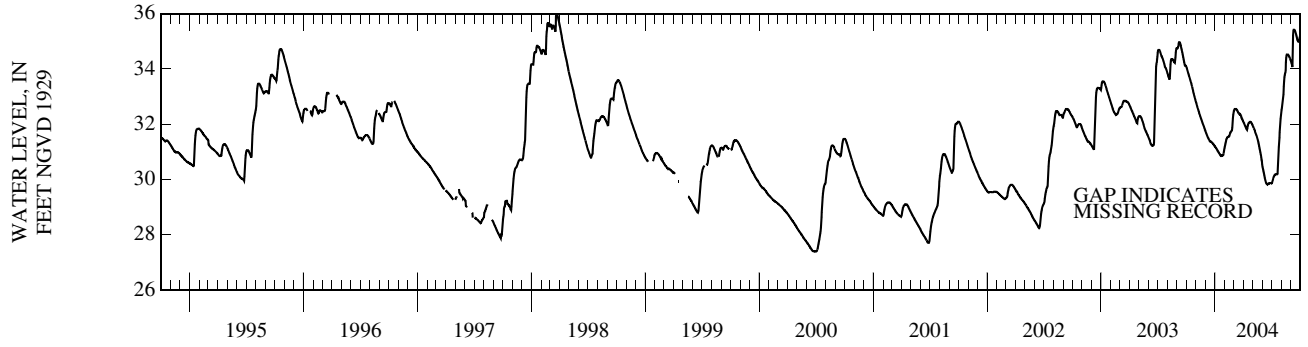
PERIOD OF RECORD.--April 1966 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.98 ft NGVD, Mar. 21, 22, 23, 1998; lowest, 27.39 ft NGVD, June 27-30, July 1, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.07	32.80	31.76	31.19	31.18	32.48	32.08	31.94	30.46	29.87	32.51	34.24
2	34.04	32.75	31.73	31.17	31.23	32.51	32.06	31.91	30.41	29.90	32.58	34.20
3	34.01	32.71	31.70	31.15	31.29	32.53	32.04	31.89	30.36	29.94	32.67	34.16
4	33.97	32.67	31.67	31.14	31.34	32.55	32.01	31.86	30.30	29.98	32.76	34.11
5	33.93	32.62	31.64	31.12	31.39	32.55	31.98	31.83	30.25	30.03	32.86	34.07
6	33.89	32.59	31.61	31.10	31.45	32.55	31.95	31.81	30.19	30.06	32.97	34.70
7	33.85	32.55	31.58	31.08	31.48	32.55	31.93	31.78	30.13	30.09	33.08	35.22
8	33.82	32.52	31.55	31.06	31.50	32.55	31.90	31.75	30.06	30.12	33.37	35.38
9	33.77	32.48	31.52	31.04	31.52	32.55	31.87	31.71	30.02	30.14	33.56	35.42
10	33.74	32.45	31.50	31.03	31.53	32.53	31.84	31.68	29.97	30.16	33.70	35.42
11	33.70	32.41	31.48	31.01	31.54	32.52	31.82	31.65	29.93	30.17	33.78	35.42
12	33.66	32.38	31.45	31.00	31.55	32.50	31.80	31.62	29.89	30.18	33.83	35.41
13	33.62	32.35	31.43	30.97	31.55	32.48	31.85	31.59	29.86	30.19	33.86	35.39
14	33.57	32.31	31.40	30.95	31.55	32.45	31.93	31.55	29.85	30.19	33.96	35.36
15	33.54	32.28	31.39	30.93	31.57	32.43	31.98	31.51	29.83	30.19	34.23	35.32
16	33.50	32.24	31.37	30.92	31.60	32.41	31.99	31.47	29.82	30.19	34.40	35.28
17	33.45	32.21	31.37	30.90	31.63	32.39	32.03	31.43	29.83	30.19	34.48	35.23
18	33.41	32.18	31.37	30.88	31.67	32.38	32.05	31.38	29.83	30.19	34.52	35.18
19	33.36	32.14	31.37	30.88	31.68	32.36	32.06	31.32	29.84	30.21	34.52	35.13
20	33.31	32.11	31.36	30.85	31.71	32.38	32.07	31.27	29.85	30.42	34.52	35.07
21	33.27	32.07	31.35	30.85	31.73	32.37	32.08	31.21	29.85	30.72	34.52	35.03
22	33.22	32.04	31.33	30.86	31.75	32.35	32.09	31.14	29.86	30.98	34.52	35.02
23	33.18	32.01	31.32	30.87	31.76	32.33	32.09	31.09	29.86	31.18	34.50	35.00
24	33.14	31.98	31.31	30.87	31.78	32.30	32.08	31.03	29.87	31.33	34.48	34.99
25	33.09	31.95	31.30	30.87	31.87	32.24	32.07	30.97	29.87	31.51	34.46	34.99
26	33.05	31.92	31.29	30.88	32.06	32.22	32.05	30.90	29.87	31.71	34.43	34.99
27	33.00	31.88	31.27	30.89	32.22	32.20	32.03	30.86	29.87	31.89	34.41	35.04
28	32.96	31.85	31.25	30.95	32.34	32.18	32.02	30.79	29.87	32.06	34.39	35.14
29	32.92	31.82	31.24	31.02	32.41	32.16	31.99	30.73	29.87	32.20	34.35	35.14
30	32.87	31.79	31.22	31.06	---	32.13	31.97	30.67	29.86	32.31	34.32	35.14
31	32.83	---	31.20	31.12	---	32.11	---	30.53	---	32.41	34.28	---
MAX	34.07	32.80	31.76	31.19	32.41	32.55	32.09	31.94	30.46	32.41	34.52	35.42

CAL YR 2003 MAX 34.97
WTR YR 2004 MAX 35.42



WELL NUMBER.--281715082164401. State Highway 577 Well near San Antonio, FL.

LOCATION.--Lat 28° 17'15", long 82° 16'44" (1927 North American datum), in NE 1/4 NW 1/4 sec.26., T.25 S., R.20 E., Hydrologic Unit 03100205, 21 ft west of State Highway 577, and 3.1 mi south of San Antonio.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 150 ft, cased to 57 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval and tipping bucket raingage recorder--15-minute interval.

DATUM.--Land-surface datum is 130.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.75 ft above land-surface datum.

REMARKS.--Collection, computation and publication of precipitation data do not necessarily conform to standards used by the National Weather Service.

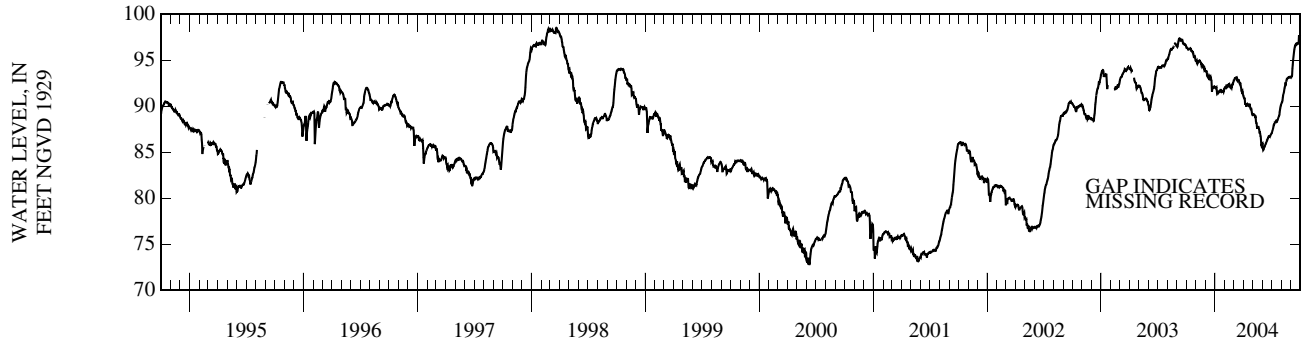
PERIOD OF RECORD.--August 1964 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 98.51 ft NGVD, Mar. 21, 1998; lowest, 72.76 ft NGVD, June 7, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96.33	94.87	93.85	92.01	91.99	92.77	91.07	89.02	85.97	87.11	90.31	93.15
2	96.36	94.90	93.79	91.99	91.96	92.85	90.97	89.11	85.46	87.23	90.38	93.23
3	96.35	94.94	93.77	91.96	92.00	92.89	90.87	89.13	85.23	87.36	90.44	93.24
4	96.33	94.69	93.80	92.02	92.01	93.02	90.88	89.11	85.28	87.49	90.63	93.40
5	96.26	94.60	93.78	92.06	92.10	93.04	90.83	89.08	85.43	87.64	90.94	94.09
6	96.21	94.69	93.39	91.72	92.23	93.05	90.27	89.05	85.52	87.82	91.17	94.48
7	96.14	94.80	93.25	91.39	92.22	93.08	90.27	88.99	85.58	87.94	91.30	94.96
8	96.17	94.83	93.20	91.44	92.06	93.09	90.23	88.94	85.60	88.01	91.42	95.28
9	96.20	94.84	93.14	91.57	92.11	93.11	90.15	88.82	85.71	88.05	91.66	95.59
10	96.20	94.91	93.28	91.57	92.24	93.12	89.95	88.83	85.82	88.13	91.88	95.90
11	96.23	94.92	93.18	91.42	92.27	92.85	90.11	88.32	85.88	88.23	92.06	96.17
12	96.22	94.97	93.06	91.47	92.32	92.86	90.18	88.19	85.96	88.29	92.20	96.35
13	96.22	94.95	93.10	91.56	92.26	92.83	90.24	88.16	86.03	88.35	92.43	96.52
14	96.26	94.85	93.19	91.57	92.35	92.73	90.17	87.78	86.16	88.39	92.40	96.59
15	96.21	94.77	93.06	91.61	92.40	92.75	90.17	87.55	86.24	88.31	92.53	96.60
16	96.03	94.72	93.14	91.59	92.20	92.85	90.13	87.65	86.31	88.27	92.66	96.76
17	96.03	94.70	93.19	91.63	92.11	92.82	90.11	87.74	86.39	88.31	92.81	96.79
18	96.02	94.49	92.99	91.77	92.07	92.67	90.08	87.75	86.48	88.38	92.94	96.81
19	95.95	94.57	92.92	91.76	92.13	92.49	90.14	87.75	86.54	88.46	92.96	96.79
20	95.85	94.52	92.82	91.60	92.21	92.43	90.19	87.63	86.64	88.53	92.99	96.76
21	95.79	94.23	92.30	91.54	92.21	92.46	90.18	87.47	86.73	88.65	93.07	96.80
22	95.83	94.27	91.58	91.58	92.09	92.47	89.95	87.17	86.72	88.76	93.11	96.79
23	95.78	94.32	91.87	91.55	92.01	92.16	89.81	87.18	86.72	88.87	93.13	96.80
24	95.52	94.37	91.99	91.60	92.18	92.05	89.69	87.10	86.75	88.95	93.14	96.83
25	95.33	94.29	91.95	91.63	92.34	91.70	89.67	86.78	86.70	89.09	93.12	96.95
26	95.33	94.16	91.97	91.67	92.41	91.61	89.68	86.70	86.79	89.33	93.11	97.70
27	95.39	93.99	92.03	91.68	92.40	91.50	89.48	86.17	86.85	89.56	93.12	97.43
28	95.42	94.07	92.10	91.57	92.51	91.54	89.25	85.80	86.92	89.79	93.19	97.54
29	95.26	93.93	92.15	91.71	92.68	91.57	89.07	85.69	86.98	89.98	93.20	97.67
30	94.98	93.86	92.13	91.85	---	91.31	89.03	85.77	87.07	90.11	93.15	97.71
31	94.92	---	92.03	91.91	---	91.21	---	85.93	---	90.19	93.11	---
MAX	96.36	94.97	93.85	92.06	92.68	93.12	91.07	89.13	87.07	90.19	93.20	97.71
*PREC	2.87	2.68	1.08	---	3.64	0.47	2.09	1.01	6.68	7.62	8.20	16.54

WTR YR 2004 MAX 97.71



PASCO COUNTY--Continued

WELL NUMBER.--281715082164402. State Highway 577 Shallow Well near San Antonio, FL.

LOCATION.--Lat 28° 17'15", long 82° 16'44" (1927 North American datum), in NE 1/4 NW 1/4 sec.26, T.25 S., R.20 E., Hydrologic Unit 03100205, 21 ft west of State Highway 577, and 3.1 mi south of San Antonio.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112SAND.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20.7 ft, cased to 17.7 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 129.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 3.56 ft above land-surface datum.

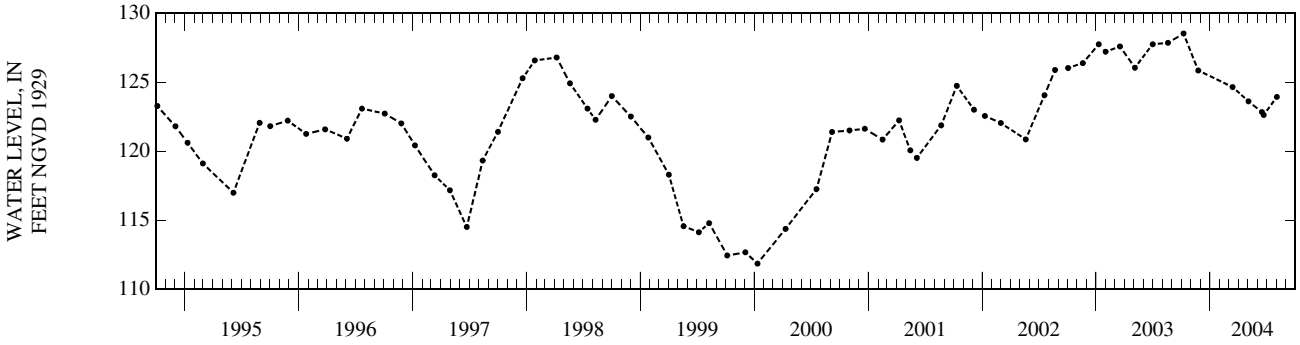
PERIOD OF RECORD.--January 1970 to current year (periodic). Records of water levels prior to January 1974 are available in files of the Geological Survey. The figures of water level as elevation in feet, NGVD from June 26, 1984 to September 3, 1991 are in error. Correct elevations published during this period may be obtained by using datum correction of +0.56 ft.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.52 ft NGVD, Oct. 8, 2003; well observed dry Jan. 8, Mar. 5, May 1, 1991, Apr. 19, May 30, 1994, Mar. 1, 2000.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	128.52	MAR 13	124.64	JUN 15	122.83	AUG 02	123.93
NOV 24	125.84	MAY 03	123.61	21	122.62		

WATER YEAR 2004 LOWEST 122.62 JUN 21, 2004 HIGHEST 128.52 OCT 08, 2003



WELL NUMBER.--281918082264601. State Highway 52 Well near Gowers Corner, FL.

LOCATION.--Lat 28° 19'18", long 82° 26'46" (1927 North American datum), in NE 1/4 SW 1/4 sec.7, T.25 S., R.19 E., Hydrologic Unit 03100207, 30 ft north of State Highway 52, and 3.3 mi east of Gowers Corner.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 73 ft, cased to 38 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 79.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.43 ft above land-surface datum.

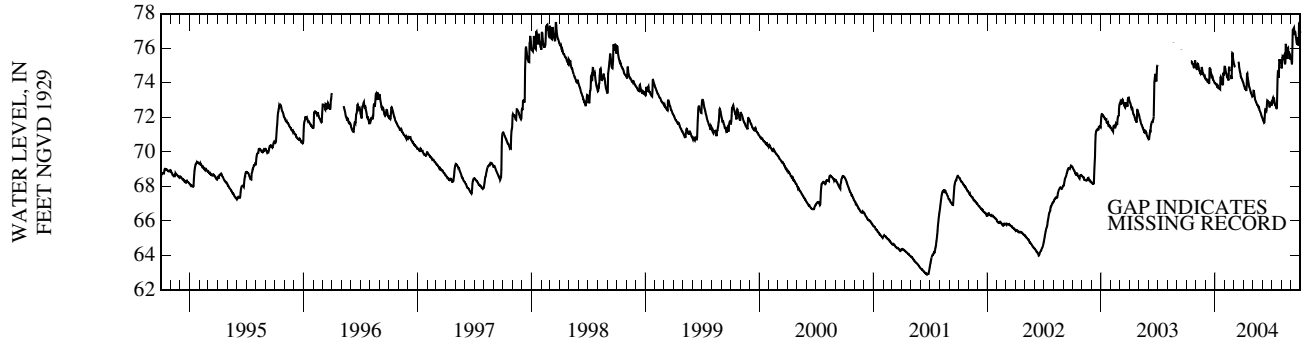
REMARKS.--Water level affected by pumping of nearby wells.

PERIOD OF RECORD.--May 1965 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1978, published as State Highway 52 Well east of Gowers Corner.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 77.93 ft NGVD, Dec. 10, 1969; lowest, 62.90 ft NGVD, June 22, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	74.88	74.25	73.96	74.98	75.14	73.96	73.24	71.96	72.85	74.84	75.35
2	---	74.83	74.23	73.95	74.90	75.06	73.89	73.19	71.88	72.81	74.88	75.22
3	---	74.82	74.19	73.93	74.79	74.96	73.84	73.53	71.82	72.88	75.33	75.07
4	---	74.75	74.19	73.91	74.66	74.92	73.79	73.52	71.78	73.10	75.50	75.25
5	---	75.06	74.20	73.92	74.59	74.90	73.71	73.39	71.75	73.14	75.46	76.49
6	---	75.11	74.13	73.87	74.55	---	73.66	73.25	71.69	73.08	75.43	77.06
7	---	75.09	74.10	73.78	74.48	---	73.65	73.12	71.71	73.06	75.50	77.07
8	---	75.00	74.06	73.79	74.32	---	73.62	73.07	72.02	73.07	75.53	76.95
9	---	74.89	74.06	73.86	74.30	---	73.58	73.00	72.36	72.95	75.57	77.14
10	---	74.81	74.10	73.85	74.28	---	73.53	72.95	72.47	72.84	75.41	77.17
11	---	74.75	74.06	73.71	74.25	---	73.81	72.91	72.46	72.75	75.20	76.93
12	---	74.69	73.99	73.71	74.20	---	74.51	72.88	72.40	72.70	75.07	76.77
13	---	74.65	73.99	73.70	74.13	---	74.54	72.82	72.37	72.70	75.19	77.00
14	---	74.57	74.83	73.70	74.84	---	74.33	72.77	72.51	72.64	76.21	76.95
15	---	74.55	74.84	73.65	74.93	---	74.21	72.72	72.82	72.53	76.26	76.77
16	75.23	74.51	74.77	73.64	74.81	75.22	74.09	72.72	72.98	72.52	76.08	76.62
17	75.24	74.55	74.77	73.62	74.67	75.15	73.99	72.69	72.97	72.57	75.87	76.50
18	75.21	74.48	74.60	74.28	---	74.90	73.89	72.62	72.89	73.43	75.71	76.36
19	75.13	74.91	74.55	74.34	---	74.80	73.79	72.58	72.81	74.28	75.53	76.28
20	75.09	74.85	74.46	74.27	74.46	74.69	73.76	72.59	72.89	74.63	75.38	76.20
21	75.09	74.69	74.35	74.16	74.41	74.62	73.70	72.50	72.88	74.62	75.98	76.62
22	75.07	74.61	74.37	74.09	74.28	74.55	73.62	72.45	72.79	74.46	76.01	76.49
23	75.04	74.55	74.38	73.99	74.22	74.38	73.55	72.40	72.67	74.28	75.74	76.30
24	74.93	74.53	74.35	73.93	75.21	74.32	73.48	72.34	72.58	75.10	75.73	76.21
25	74.89	74.45	74.22	73.92	75.73	74.28	73.41	72.31	72.74	75.37	75.75	76.15
26	74.90	74.41	74.17	73.86	75.71	74.25	73.39	72.26	72.79	75.27	75.72	77.36
27	74.91	74.38	74.15	74.59	75.52	74.20	73.34	72.20	72.76	75.25	75.64	77.33
28	75.21	74.40	74.10	74.54	75.32	74.16	73.29	72.16	72.68	75.23	75.50	77.17
29	75.29	74.30	74.07	74.43	75.21	74.12	73.21	72.10	72.81	75.30	75.35	77.02
30	75.06	74.29	74.02	74.49	---	74.06	73.23	72.06	72.88	75.36	75.50	76.89
31	74.95	---	73.98	74.84	---	74.03	---	72.01	---	75.06	75.46	---
MAX	---	75.11	74.84	74.84	---	---	74.54	73.53	72.98	75.37	76.26	77.36



WELL NUMBER.--281926082212901. Junction of State Highways 52 and 581 Well near Darby, FL.

LOCATION.--Lat 28° 19'26", long 82° 21'29" (1927 North American datum), in NE 1/4 SE 1/4 sec.12, T.25 S., R.19 E., Hydrologic Unit 03100205, 45 ft south of State Highway 52, 800 ft east of State Highway 581, and 2.6 mi south of Darby.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 113 ft, cased to 83 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 89.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.42 ft above land-surface datum.

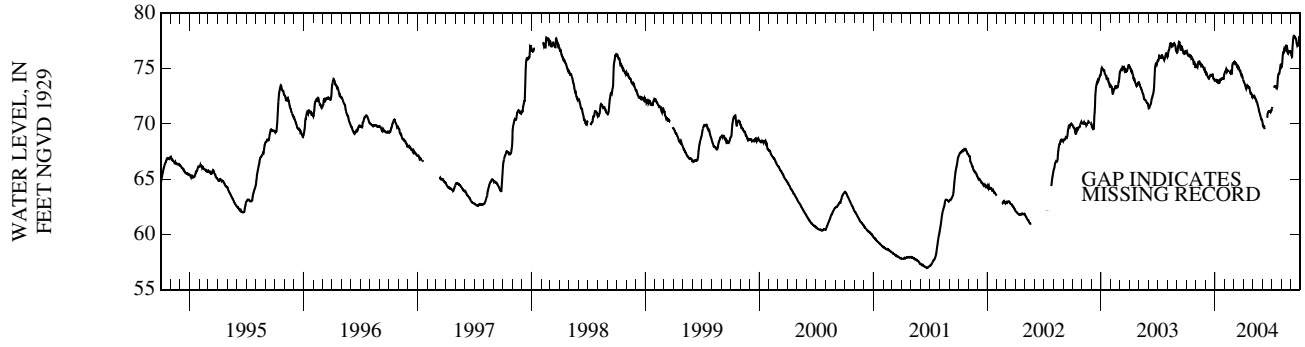
PERIOD OF RECORD.--April 1966 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 79.44 ft NGVD, Sept. 30, 1966; lowest, 56.96 ft NGVD, June 22, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76.51	75.19	74.71	73.91	74.60	75.59	73.92	72.47	70.12	71.41	75.16	76.25
2	76.56	75.24	74.69	73.95	74.70	75.61	73.81	72.53	69.96	71.53	75.20	76.21
3	76.48	75.29	74.57	73.99	74.77	75.53	73.76	72.54	69.82	---	75.48	76.06
4	76.44	75.17	74.62	74.00	74.82	75.60	73.70	72.53	69.76	---	75.92	76.07
5	76.35	75.13	74.56	74.00	74.87	75.57	73.63	72.55	69.80	---	76.27	76.84
6	76.26	75.33	74.48	73.92	74.97	75.51	73.55	72.51	69.79	---	76.42	77.18
7	76.19	75.49	74.41	73.74	74.89	75.49	73.43	72.39	69.65	---	76.38	77.61
8	76.20	75.58	74.30	73.86	74.71	75.48	73.34	72.32	69.53	73.27	76.48	77.82
9	76.18	75.58	74.25	73.96	74.77	75.39	73.24	72.31	---	73.37	76.74	77.95
10	76.21	75.65	74.21	73.95	74.83	75.38	73.16	72.29	---	73.40	76.85	78.03
11	76.09	75.66	74.11	73.69	74.83	75.21	73.24	72.22	---	73.44	76.81	77.86
12	76.08	75.66	74.08	73.69	74.80	75.21	73.39	72.05	---	73.43	76.71	77.85
13	76.15	75.59	74.11	73.73	74.69	75.14	73.48	72.04	---	73.40	76.75	77.82
14	76.18	75.45	74.22	73.74	---	75.06	73.43	72.02	---	73.34	76.70	77.84
15	76.14	75.43	74.30	73.73	---	75.08	73.43	71.91	---	73.25	77.02	77.75
16	76.00	75.31	74.38	73.91	74.66	75.16	73.39	71.77	70.55	73.22	77.08	77.71
17	76.06	75.24	74.44	73.93	74.66	75.09	73.30	71.65	70.87	73.19	77.07	77.60
18	76.04	75.29	74.45	74.04	74.62	74.95	73.29	71.55	70.96	73.29	77.05	77.30
19	75.92	75.35	74.40	74.05	74.69	74.82	73.32	71.47	71.03	73.71	76.86	77.24
20	75.85	75.28	74.39	74.01	74.78	74.80	73.29	71.30	71.06	74.19	76.67	77.11
21	75.85	75.21	74.29	74.04	74.75	74.82	73.13	71.13	71.14	74.39	76.48	77.18
22	75.82	75.20	74.40	74.08	74.60	74.79	72.95	71.05	71.14	74.52	76.52	77.21
23	75.76	75.17	74.45	74.06	74.48	74.56	72.83	70.96	71.12	74.53	76.43	77.21
24	75.53	75.16	74.46	74.07	74.63	74.51	72.72	70.82	71.10	74.53	76.53	77.15
25	75.34	75.09	74.30	74.12	75.25	74.40	72.73	70.71	71.13	74.65	76.55	77.02
26	75.46	74.95	74.13	74.09	75.43	74.44	72.74	70.63	71.13	74.74	76.55	77.68
27	75.50	74.91	74.10	74.10	75.48	74.36	72.69	70.51	71.08	74.94	76.51	77.63
28	75.38	74.95	74.06	74.09	75.52	74.31	72.64	70.41	71.15	75.13	76.65	77.86
29	75.27	74.77	74.05	74.27	75.55	74.20	72.42	70.40	71.26	75.36	76.51	77.96
30	75.07	74.76	73.98	74.43	---	74.12	72.37	70.39	71.27	75.38	76.43	77.94
31	75.14	---	73.90	74.51	---	74.01	---	70.27	---	75.31	76.35	---
MAX	76.56	75.66	74.71	74.51	---	75.61	73.92	72.55	---	---	77.08	78.03

CAL YR 2003 MAX 77.43



WELL NUMBER.--281949082332001. State Highway 52 Deep Well near Fivay Junction, FL.

LOCATION.--Lat 28° 19'49", long 82° 33'20" (1927 North American datum), in NW 1/4 NE 1/4 sec.12, T.25 S., R.17 E., Hydrologic Unit 03100207, 20 ft south of State Highway 52, and 2.3 mi west of Fivay Junction.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 73 ft, cased to 60 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

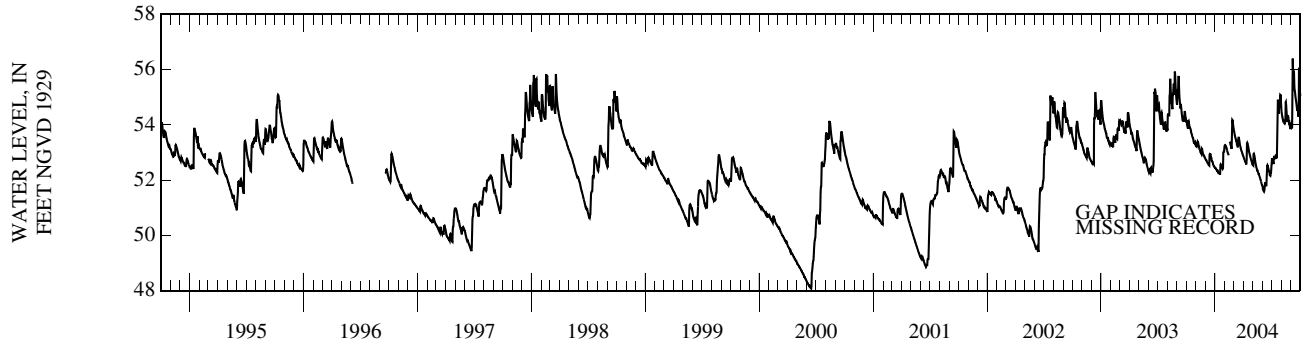
DATUM.--Land-surface datum is 55.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.64 ft above land-surface datum.

PERIOD OF RECORD.--April 1966 to current year. Record of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1978, published as State Highway 52 Deep Well near Gowers Corner.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 56.75 ft NGVD, Sept. 8, 1988; lowest, 48.08 ft NGVD, June 15, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54.15	53.23	52.78	52.44	53.26	53.81	52.86	52.54	51.78	52.76	54.46	54.06
2	54.12	53.22	52.75	52.44	53.27	53.75	52.82	52.53	51.72	52.76	54.39	54.01
3	54.02	53.21	52.73	52.42	53.26	53.68	52.79	52.94	51.66	52.75	54.32	53.90
4	53.97	53.24	52.72	52.40	53.24	53.62	52.76	52.96	51.63	52.70	54.26	53.91
5	53.92	53.34	52.70	52.39	53.22	53.58	52.72	52.92	51.60	52.63	54.21	55.19
6	53.87	53.39	52.67	52.37	53.19	53.53	52.68	52.85	51.58	52.58	54.15	56.40
7	54.12	53.37	52.64	52.33	53.16	53.48	52.66	52.79	51.62	52.76	54.16	56.00
8	54.14	53.32	52.62	52.33	53.08	53.46	52.64	52.73	51.80	52.85	54.16	55.53
9	54.06	53.25	52.61	52.34	53.05	53.41	52.60	52.66	51.90	52.85	54.13	55.96
10	54.00	53.22	52.61	52.32	53.02	53.39	52.57	52.59	51.90	52.82	54.05	55.86
11	53.92	53.17	52.57	52.27	52.98	53.30	52.76	52.54	51.87	52.76	54.04	55.40
12	53.90	53.14	52.54	52.27	52.95	53.27	53.33	52.48	51.81	52.81	54.08	55.24
13	53.89	53.11	52.53	52.26	52.90	53.24	53.35	52.44	51.78	52.86	54.17	55.20
14	53.86	53.06	52.91	52.25	---	53.19	53.32	52.40	52.04	52.84	54.82	55.06
15	53.81	53.03	52.94	52.24	---	53.43	53.26	52.35	52.38	52.78	54.83	54.98
16	53.73	53.00	52.93	52.22	---	53.54	53.19	52.35	52.53	52.88	54.70	54.90
17	53.70	52.98	52.93	52.20	53.39	53.54	53.14	52.31	52.54	52.87	54.49	54.81
18	53.67	52.96	52.86	52.54	53.36	53.47	53.08	52.27	52.50	53.60	54.35	54.71
19	53.61	53.15	52.83	52.57	53.32	53.39	53.03	52.23	52.45	54.51	54.22	54.61
20	53.57	53.13	52.78	52.55	53.28	53.30	52.99	52.23	52.40	54.91	54.11	54.51
21	53.54	53.06	52.71	52.53	53.23	53.26	52.94	52.18	52.35	54.82	54.30	54.65
22	53.52	53.00	52.69	52.50	53.17	53.22	52.89	52.15	52.33	54.60	54.31	54.50
23	53.48	52.96	52.68	52.46	53.13	53.15	52.84	52.11	52.29	54.41	54.26	54.40
24	53.42	52.93	52.66	52.43	53.76	53.11	52.80	52.08	52.20	54.68	54.10	54.34
25	53.36	52.91	52.60	52.41	54.18	53.07	52.76	52.04	52.17	54.70	54.07	54.29
26	53.35	52.89	52.56	52.43	54.16	53.05	52.72	52.00	52.16	54.67	54.09	56.04
27	53.34	52.86	52.54	53.00	54.07	53.01	52.69	51.95	52.25	54.70	53.99	56.04
28	53.38	52.85	52.52	53.03	53.96	52.98	52.64	51.92	52.27	55.09	53.91	55.41
29	53.39	52.82	52.50	53.04	53.87	52.95	52.59	51.88	52.44	55.08	53.85	55.21
30	53.31	52.79	52.48	53.05	---	52.92	52.56	51.84	52.60	54.87	53.97	55.05
31	53.26	---	52.46	53.19	---	52.89	---	51.82	---	54.65	54.04	---
MAX	54.15	53.39	52.94	53.19	---	53.81	53.35	52.96	52.60	55.09	54.83	56.40



PASCO COUNTY--Continued

WELL NUMBER.--282009082373801. State Highway 52 Deep Well near Hudson, FL.

LOCATION.--Lat 28° 20'09", long 82° 37'38" (1927 North American datum), in NE 1/4 SW 1/4 sec.5, T.25 S., R.17 E., Hydrologic Unit 03100207, 1.6 mi west of junction State Highways 52 and 587, and 5.0 mi southeast of Hudson.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 73 ft, cased to 59 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 33 ft, from topographic map. Measuring point: Top of casing, 1.46 ft above land-surface datum.

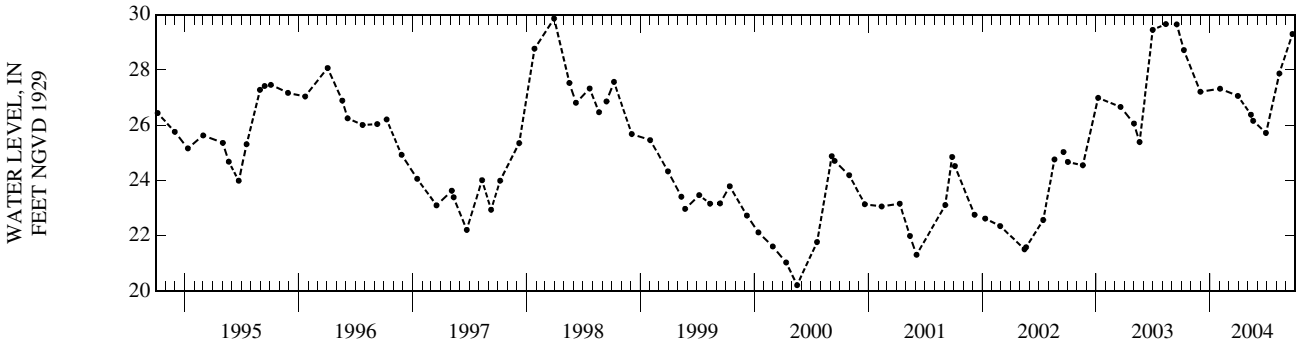
PERIOD OF RECORD.--January 1965 to current year (periodic). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.06 ft NGVD, Mar. 10, 1970; lowest measured, 20.21 ft NGVD, May 17, 2000.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	28.72	FEB 02	27.32	MAY 11	26.38	JUN 28	25.72	SEP 21	29.30
DEC 01	27.21	MAR 30	27.06	18	26.16	AUG 10	27.87		

WATER YEAR 2004 LOWEST 25.72 JUN 28, 2004 HIGHEST 29.30 SEP 21, 2004



PASCO COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
281023082450701	COASTAL PASCO DEEP WELL 13 NEAR NEW PORT RICHEY FL	20040518	4.44	NGVD29
		20040921	5.82	NGVD29
281031082071801	ALSTON FLRD WELL NEAR ZEPHYRHILLS FL	20040519	85.98	NGVD29
		20040922	88.11	NGVD29
281035082305701	ST PETE WELL 42 NEAR LAND O LAKES FL	20040524	42.96	NGVD29
		20040921	53.55	NGVD29
281037082071801	J O ALSTON WELL NEAR CRYSTAL SPRINGS FL	20040517	88.63	NGVD29
		20040922	90.42	NGVD29
281046082470801	FPC WELL NO 1 NEAR TARPON SPRINGS FL	20040518	1.88	NGVD29
281124082274101	WINTER QUARTERS ROAD WELL NEAR CITRUS PARK FL	20040517	60.20	NGVD29
		20040922	63.02	NGVD29
281138082120201	ZEPHYRHILLS PRISON DEEP FLRD NR ZEPHYRHILLS FL	20040519	60.68	NGVD29
		20040921	66.44	NGVD29
281143082304702	STATE HWY 54 DEEP WELL NEAR LAND O LAKES FL	20040524	47.00	NGVD29
		20040921	54.66	NGVD29
281144082100401	ROMP 86A AVON PARK WELL AT CRYSTAL SPRINGS FL	20040519	59.95	NGVD29
		20040922	63.87	NGVD29
281144082100402	ROMP 86A SWUANNEE WELL AT CRYSTAL SPRINGS FL	20040519	58.98	NGVD29
		20040922	61.86	NGVD29
281322082084501	CHANCEY ROAD SWNN WELL NEAR ZEPHYRHILLS FL	20040519	72.38	NGVD29
		20040922	78.09	NGVD29
281353082110401	ZEPHYRHILLS PARK FLRD WELL AT ZEPHYRHILLS FL	20040519	66.11	NGVD29
		20040922	75.72	NGVD29
281424082192702	ROMP 85 FLORIDAN WELL NEAR ZEPHYRHILLS FL	20040517	77.28	NGVD29
		20040922	83.54	NGVD29
281437082271401	NININGER DEEP WELL 857 AT DREXEL FL	20040517	70.82	NGVD29
		20040922	74.08	NGVD29
281446082354101	STARKEY WELL MW-1 NEAR NEW PORT RICHEY FL	20040520	29.11	NGVD29
		20040923	35.66	NGVD29
281451082380701	STARKEY DEEP 10 NEAR ODESSA FL	20040520	28.19	NGVD29
		20040923	31.35	NGVD29
281504082104801	ROMP 86 AVON PARK DEEP WELL NEAR ZEPHYRHILLS FL	20040517	71.82	NGVD29
		20040922	71.40	NGVD29
281533082130601	AUSTIN SMITH FLRD WELL NEAR ZEPHYRHILLS FL	20040519	68.69	NGVD29
		20040921	79.68	NGVD29
281535082241301	CYPRESS CREEK DEEP TMR-5 NEAR SAN ANTONIO FL	20040517	56.84	NGVD29
		20040923	61.53	NGVD29
281642082440201	COASTAL PASCO DEEP WELL 04 AT PORT RICHEY FL	20040518	.37	NGVD29
		20040921	.69	NGVD29

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 2003 TO SEPTEMBER 2004

PASCO COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
281650082244501	CYPRESS CREEK DEEP WELL TMR-4 NEAR SAN ANTONIO FL	20040517	57.52	NGVD29
		20040923	62.43	NGVD29
281654082201601	CARR DEEP WELL 846 NEAR SAN ANTONIO FL	20040517	76.37	NGVD29
		20040922	81.75	NGVD29
281917082420901	ROMP TR 17-1 DEEP WELL AT BAYONET POINT FL	20040518	4.09	NGVD29
		20040921	5.05	NGVD29
281922082403901	ROMP TR 17-3 DEEP WELL NEAR BAYONET POINT FL	20040518	2.46	NGVD29
		20040921	4.25	NGVD29
281923082252201	ROMP 93 DEEP NEAR DARBY FL	20040517	71.28	NGVD29
		20040921	75.78	NGVD29
281938082141501	ROMP BR-3 LAKE PASADENA FLRD WELL NR DADE CITY FL	20040519	76.60	NGVD29
		20040922	84.55	NGVD29
281948082415301	WITHLACOOCHEE ELEC 01 AT BAYONET POINT FL	20040518	1.43	NGVD29
		20040921	3.95	NGVD29
281954082413401	PONDEROSA DEV DEEP WELL AT BAYONET POINT FL	20040518	2.00	NGVD29
		20040921	5.34	NGVD29
282044082312401	H. KENT GROVE WELL NEAR GOWERS CORNER FL	20040517	59.91	NGVD29
		20040921	62.98	NGVD29
282148082281801	CROSSBAR A-1 DEEP NEAR LOYCE FL	20040517	63.19	NGVD29
		20040920	67.85	NGVD29
282229082405801	COASTAL PASCO DEEP WELL 02 AT HUDSON FL	20040518	1.79	NGVD29
		20040921	2.65	NGVD29
282238082362101	JUSTICE DEEP NEAR HUDSON FL	20040518	27.72	NGVD29
		20040921	35.27	NGVD29
282434082200301	AIRSTREAM TRL PARK DEEP WELL 833 NEAR DARBY FL	20040517	72.75	NGVD29
		20040922	75.95	NGVD29
282434082283601	D. A. SUTYAK WELL NEAR MASARYKTOWN FL	20040517	38.32	NGVD29
		20040921	45.12	NGVD29
282534082222802	BARTHLE RANCH FLORIDAN WELL NEAR MASARYKTOWN FL	20040517	57.28	NGVD29
		20040922	57.38	NGVD29
282540082275701	MASARYKTOWN DEEP WELL NEAR MASARYKTOWN FL	20040517	37.95	NGVD29
		20040921	44.41	NGVD29
282557082364301	COUNTY LINE TRADE CENTER NEAR HUDSON FL	20040518	17.60	NGVD29
		20040921	21.03	NGVD29

Samples were collected to characterize and compare ground-water quality around natural and augmented wetlands.

Date	Time	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt Gran, field, mg/L as CaCO3 (29802)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
281410082342702 STARKEY S68 USE NRSD WELL NEAR ODESSA FL (LAT 28 14 10N LONG 082 34 27W)													
DEC 2003													
02...	1230	3.6	5.7	116	21.0	10.0	1.00	.20	9.9	21.4	18.0	1.20	<.20
281414082342701 STARKEY S68 LSE NRSD WELL NEAR ODESSA FL (LAT 28 14 14N LONG 082 34 27W)													
MAY 2003													
15...	0900	.9	5.1	64	21.3	5.80	1.10	<.10	3.1	14.2	6.90	3.30	.60
DEC													
02...	1130	1.2	5.1	66	22.6	5.80	1.00	<.10	3.1	11.4	6.40	6.20	.50
JUN 2004													
09...	1300	.8	5.0	57	21.9	4.80	1.10	<.10	2.3	8.1	5.50	5.60	.50
281415082342401 STARKEY S68 LE NRSD WELL NEAR ODESSA FL (LAT 28 14 15N LONG 082 34 24W)													
MAY 2003													
15...	1100	1.0	4.7	87	22.8	2.20	2.40	.20	5.6	3.4	6.90	19.0	.60
DEC													
03...	1000	1.3	4.6	100	22.8	2.60	2.60	.20	6.8	--	8.50	27.0	.70
281417082343201 STARKEY S68 LW NRSD WELL NEAR ODESSA FL (LAT 28 14 17N LONG 082 34 32W)													
MAY 2003													
20...	1020	1.0	4.4	143	22.9	1.40	3.80	.20	11.0	--	17.0	24.0	1.1
DEC													
04...	1100	1.0	4.4	144	23.8	1.30	3.20	.30	12.0	--	18.0	22.0	1.5
JUN 2004													
09...	1000	.9	4.5	138	23.4	1.20	3.40	.40	11.0	--	17.0	19.0	2.0
281417082343301 STARKEY S68 MW NRSD WELL NEAR ODESSA FL (LAT 28 14 17N LONG 082 34 33W)													
MAY 2003													
20...	1130	1.1	4.7	80	23.3	1.80	1.40	<.10	5.6	2.0	12.0	7.70	.70
DEC													
04...	1230	1.0	4.5	70	23.9	1.50	1.20	<.10	5.0	--	12.0	4.40	.40
JUN 2004													
09...	1130	.8	4.5	70	23.2	1.30	1.10	<.10	5.6	--	12.0	5.40	.40
281419082342601 STARKEY S68 LNE NRSD WELL NEAR ODESSA FL (LAT 28 14 19N LONG 082 34 26W)													
MAY 2003													
16...	1100	1.1	4.7	78	22.2	2.70	1.70	.10	3.7	4.3	8.70	12.0	.40
DEC													
03...	1130	1.2	4.5	70	23.0	2.10	1.40	.10	3.5	--	9.40	8.80	.40
JUN 2004													
08...	1400	1.0	4.5	75	22.8	2.10	1.50	.10	3.6	--	7.60	14.0	.30
281420082343101 STARKEY S68 LNW NRSD WELL NEAR ODESSA FL (LAT 28 14 20N LONG 082 34 31W)													
MAY 2003													
19...	1100	1.2	4.2	60	23.3	1.80	.29	<.10	4.1	--	8.40	1.90	.60
DEC													
04...	1400	.9	4.3	56	23.2	2.40	.57	<.10	3.2	--	8.80	1.00	.60
JUN 2004													
08...	1030	1.2	4.3	51	24.0	1.80	.35	<.10	2.4	--	6.80	1.00	.60

WATER QUALITY DATA, PERIOD MAY 2003 TO JUNE 2004—Continued

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
281410082342702 STARKEY S68 USE NRSD WELL NEAR ODESSA FL							
DEC 2003							
02...	A.006	<.002	<.001	<.001	.003	3.1	48
281414082342701 STARKEY S68 LSE NRSD WELL NEAR ODESSA FL							
MAY 2003							
15...	.270	.004	.001	.037	<.002	11.0	1,680
DEC							
02...	A.237	A.004	A.002	A.032	.031	12.0	1,510
JUN 2004							
09...	.250	A.005	A.003	A.023	.002	11.0	1,650
281415082342401 STARKEY S68 LE NRSD WELL NEAR ODESSA FL							
MAY 2003							
15...	.260	.007	.003	.005	<.002	8.3	2,390
DEC							
03...	A.274	A.009	A.004	A.005	.008	9.1	2,440
281417082343201 STARKEY S68 LW NRSD WELL NEAR ODESSA FL							
MAY 2003							
20...	.385	<.002	<.001	.001	<.020	24.0	5,520
DEC							
04...	A.927	A.009	A.006	A.002	.008	22.0	4,650
JUN 2004							
09...	1.10	A.009	A.006	<.001	<.020	27.0	4,690
281417082343301 STARKEY S68 MW NRSD WELL NEAR ODESSA FL							
MAY 2003							
20...	.134	<.002	<.001	<.001	<.020	13.0	3,700
DEC							
04...	A.135	A.006	A.004	A.004	.008	12.0	2,760
JUN 2004							
09...	A.128	A.008	A.004	<.001	<.020	13.0	2,740
281419082342601 STARKEY S68 LNE NRSD WELL NEAR ODESSA FL							
MAY 2003							
16...	.180	<.002	.001	.019	<.002	9.7	3,900
DEC							
03...	A.143	A.006	A.002	A.010	.008	9.6	2,370
JUN 2004							
08...	A.171	A.005	A.003	A.007	<.020	9.6	3,260
281420082343101 STARKEY S68 LNW NRSD WELL NEAR ODESSA FL							
MAY 2003							
19...	.072	.002	.004	.003	<.002	21.0	1,640
DEC							
04...	A.116	A.005	A.004	A.004	.008	19.0	1,520
JUN 2004							
08...	A.083	A.002	A.003	<.001	<.020	16.0	1,060

WATER QUALITY DATA, PERIOD MAY 2003 TO JUNE 2004—Continued

Date	Time	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt Gran, field, mg/L as CaCO3 (29802)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
281421082343101 STARKEY S68 UNW NRSD WELL NEAR ODESSA FL (LAT 28 14 21N LONG 082 34 31W)													
MAY 2003													
19...	1300	1.3	4.9	72	23.0	2.50	1.10	.20	5.3	5.2	12.0	2.60	.60
DEC													
03...	1430	1.0	4.8	70	23.9	2.40	1.00	.20	5.4	2.8	14.0	1.60	.50
JUN 2004													
08...	1200	1.1	4.5	77	23.7	2.60	1.20	.20	5.6	--	14.0	2.40	.60
281422082342701 STARKEY S68 UNE NRSD WELL NEAR ODESSA FL (LAT 28 14 22N LONG 082 34 27W)													
MAY 2003													
16...	1230	1.1	4.2	81	22.6	2.40	.72	<.10	2.0	--	4.50	16.0	.30
DEC													
03...	1330	1.3	4.2	63	24.0	1.50	.51	<.10	1.5	--	3.50	10.0	.30
JUN 2004													
08...	1315	.8	4.2	53	23.5	1.30	.50	<.10	1.5	--	3.80	7.50	.40
281452082345501 STARKEY S63 USE NRSD WELL NEAR ODESSA FL (LAT 28 14 52N LONG 082 34 55W)													
MAY 2003													
27...	1020	1.0	5.6	77	22.7	7.00	1.20	.30	3.4	22.7	5.90	.30	.70
NOV													
13...	1030	.8	5.6	73	24.4	6.70	1.10	.30	3.4	22.8	5.60	<.20	.70
JUN 2004													
02...	1030	1.3	5.5	73	22.2	6.70	1.10	.30	3.4	23.9	5.50	.20	.70
281452082350302 STARKEY S63 USW NRSD WELL NEAR ODESSA FL (LAT 28 14 52N LONG 082 35 03W)													
NOV 2003													
12...	1230	.8	5.4	73	25.2	5.80	.66	.10	2.8	22.5	3.20	3.00	.50
281453082345701 STARKEY S63 UMSE NRSD WELL NEAR ODESSA FL (LAT 28 14 53N LONG 082 34 57W)													
MAY 2003													
27...	1200	.9	5.4	139	22.9	7.10	1.10	<.10	16.0	22.0	18.0	8.10	.50
NOV													
13...	1200	.9	5.4	142	24.5	7.30	1.30	<.10	15.0	17.3	21.0	9.50	.50
JUN 2004													
02...	1230	1.3	5.5	157	23.1	7.30	1.20	<.10	19.0	28.0	21.0	9.60	.60
281453082350102 STARKEY S63 MSW NRSD WELL NEAR ODESSA FL (LAT 28 14 53N LONG 082 35 01W)													
NOV 2003													
12...	1000	.3	5.2	62	23.0	4.10	.82	<.10	4.3	7.7	6.00	5.00	.30
281454082350001 STARKEY S63 LSW NRSD WELL NEAR ODESSA FL (LAT 28 14 54N LONG 082 35 00W)													
MAY 2003													
22...	1400	1.0	5.3	126	22.5	14.0	3.80	.10	6.5	40.0	8.90	2.10	1.0
NOV													
12...	0930	.7	5.6	136	23.8	19.0	3.80	.10	6.1	51.0	6.20	1.30	1.3
281455082345801 STARKEY S63 LSE NRSD WELL NEAR ODESSA FL (LAT 28 14 55N LONG 082 34 58W)													
MAY 2003													
27...	1350	.9	6.2	380	21.5	64.0	6.50	<.10	7.3	165	10.0	.30	.60
NOV													
14...	1000	.6	6.2	366	23.1	61.0	6.40	<.10	6.8	168	11.0	.60	.80

WATER QUALITY DATA, PERIOD MAY 2003 TO JUNE 2004—Continued

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
281421082343101 STARKEY S68 UNW NRSD WELL NEAR ODESSA FL							
MAY 2003							
19...	.278	<.002	.002	.009	<.002	12.0	2,870
DEC							
03...	A.287	A.004	A.003	A.006	.008	11.0	2,250
JUN 2004							
08...	.290	A.003	A.002	A.009	<.020	12.0	2,760
281422082342701 STARKEY S68 UNE NRSD WELL NEAR ODESSA FL							
MAY 2003							
16...	.057	<.002	.002	.006	<.002	11.0	678
DEC							
03...	A.045	A.005	A.002	A.007	<.020	11.0	472
JUN 2004							
08...	A.048	A.004	A.002	A.005	.012	14.0	523
281452082345501 STARKEY S63 USE NRSD WELL NEAR ODESSA FL							
MAY 2003							
27...	.386	<.002	<.001	.062	.005	12.0	3,490
NOV							
13...	A.396	<.002	A.003	A.070	.070	13.0	3,650
JUN 2004							
02...	.380	A.003	A.002	A.061	.005	15.0	3,420
281452082350302 STARKEY S63 USW NRSD WELL NEAR ODESSA FL							
NOV 2003							
12...	A.092	A.007	A.002	A.005	<.020	12.0	5,620
281453082345701 STARKEY S63 UMSE NRSD WELL NEAR ODESSA FL							
MAY 2003							
27...	.055	<.002	<.001	.020	.020	21.0	3,910
NOV							
13...	A.052	A.006	A.003	A.010	<.020	17.0	3,460
JUN 2004							
02...	A.064	A.005	A.002	A.015	<.020	18.0	3,690
281453082350102 STARKEY S63 MSW NRSD WELL NEAR ODESSA FL							
NOV 2003							
12...	A.022	A.003	A.002	A.010	<.020	9.6	2,040
281454082350001 STARKEY S63 LSW NRSD WELL NEAR ODESSA FL							
MAY 2003							
22...	.094	<.002	.001	.002	<.020	37.0	1,510
NOV							
12...	A.084	A.003	A.004	A.002	<.002	47.0	913
281455082345801 STARKEY S63 LSE NRSD WELL NEAR ODESSA FL							
MAY 2003							
27...	.049	<.002	<.001	.002	.007	23.0	531
NOV							
14...	A.050	<.002	A.001	<.001	<.020	26.0	488

WATER QUALITY DATA, PERIOD MAY 2003 TO JUNE 2004—Continued

Date	Time	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt Gran, field, mg/L as CaCO3 (29802)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
281455082345801 STARKEY S63 LSE NRSD WELL NEAR ODESSA FL (LAT 28 14 55N LONG 082 34 58W)													
JUN 2004													
02...	1430	1.1	6.0	318	21.5	50.0	6.30	<.10	7.7	139	11.0	.60	.80
281456082345902 STARKEY S63 LNE NRSD WELL NEAR ODESSA FL (LAT 28 14 56N LONG 082 34 59W)													
NOV 2003													
13...	1400	.8	6.3	528	23.3	92.0	8.90	.10	7.9	247	16.0	.30	.30
281456082350102 STARKEY S63 LNW NO. 2 NRSD WELL NEAR ODESSA FL (LAT 28 14 56N LONG 082 35 01W)													
NOV 2003													
11...	1100	.8	6.8	525	23.2	97.0	6.50	1.10	5.5	262	6.30	2.70	.30
JUN 2004													
03...	0900	1.0	6.9	490	21.2	87.0	5.80	.70	6.3	244	8.00	5.00	<.20
281457082345801 STARKEY S63 UNE NRSD WELL NEAR ODESSA FL (LAT 28 14 57N LONG 082 34 58W)													
MAY 2003													
28...	1200	1.5	5.2	79	21.0	8.00	.66	.30	4.3	6.5	11.0	4.00	.40
NOV													
13...	1440	.3	5.0	77	22.5	7.30	.61	.30	4.3	6.9	11.0	5.20	.40
281457082345802 STARKEY S63 MNE NRSD WELL NEAR ODESSA FL (LAT 28 14 57N LONG 082 34 58W)													
MAY 2003													
28...	1100	.8	4.7	83	21.8	2.50	2.00	<.10	6.4	14.0	13.0	5.80	.40
NOV													
14...	1100	.7	4.5	102	23.0	2.30	2.30	<.10	9.2	--	18.0	9.60	.30
281457082350201 STARKEY S63 MNW NRSD WELL NEAR ODESSA FL (LAT 28 14 57N LONG 082 35 02W)													
MAY 2003													
29...	1400	.9	5.1	80	22.0	7.10	1.00	.40	3.7	2.7	4.90	12.0	.40
NOV													
11...	1230	1.3	5.1	70	23.2	6.90	.89	.50	3.8	7.8	5.70	7.70	.40
JUN 2004													
03...	1000	1.9	5.2	58	20.7	5.60	.64	.40	3.4	11.4	4.00	1.70	.40
281457082350401 STARKEY S63 UNW NRSD WELL NEAR ODESSA FL (LAT 28 14 57N LONG 082 35 04W)													
MAY 2003													
29...	1515	.7	5.7	105	22.0	14.0	.73	1.00	3.3	24.0	6.90	12.0	.20
NOV													
11...	1520	1.3	5.7	105	22.9	14.0	.71	.90	3.3	19.9	6.20	14.0	<.20
JUN 2004													
03...	1130	.9	5.7	104	20.0	13.0	.68	.80	3.3	21.0	6.20	13.0	<.20
281500082351101 STARKEY S-10 FLRD PRODUCTION WELL NEAR ODESSA FL (LAT 28 15 00N LONG 082 35 11W)													
MAY 2003													
29...	1115	.3	7.5	467	24.0	84.0	5.40	.90	5.8	211	8.40	1.30	.40
NOV													
11...	1400	.5	7.4	468	24.5	86.0	5.40	1.00	5.8	231	8.60	2.10	.40
JUN 2004													
03...	1400	.5	7.4	473	24.3	82.0	5.40	.90	5.9	229	8.40	3.70	.40

WATER QUALITY DATA, PERIOD MAY 2003 TO JUNE 2004—Continued

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
281455082345801 STARKEY S63 LSE NRSD WELL NEAR ODESSA FL							
JUN 2004							
02...	A.105	A.002	A.001	A.002	<.002	23.0	820
281456082345902 STARKEY S63 LNE NRSD WELL NEAR ODESSA FL							
NOV 2003							
13...	A.010	<.002	A.001	A.002	<.002	13.0	267
281456082350102 STARKEY S63 LNW NO. 2 NRSD WELL NEAR ODESSA FL							
NOV 2003							
11...	A.122	A.008	<.001	A.015	.013	5.8	36
JUN 2004							
03...	A.055	<.002	<.001	A.011	.017	8.1	24
281457082345801 STARKEY S63 UNE NRSD WELL NEAR ODESSA FL							
MAY 2003							
28...	.084	<.002	<.001	.001	.005	18.0	273
NOV							
13...	A.051	<.002	A.002	<.001	<.002	16.0	220
281457082345802 STARKEY S63 MNE NRSD WELL NEAR ODESSA FL							
MAY 2003							
28...	.026	<.002	<.001	.005	<.002	15.0	805
NOV							
14...	A.042	<.002	A.002	<.001	<.020	13.0	1,240
281457082350201 STARKEY S63 MNW NRSD WELL NEAR ODESSA FL							
MAY 2003							
29...	.029	<.002	<.001	.001	.005	18.0	298
NOV							
11...	A.083	A.002	A.002	A.006	<.002	21.0	281
JUN 2004							
03...	A.053	<.002	A.001	A.006	.004	23.0	268
281457082350401 STARKEY S63 UNW NRSD WELL NEAR ODESSA FL							
MAY 2003							
29...	.052	<.002	<.001	.009	.012	6.9	97
NOV							
11...	A.066	A.006	<.001	A.016	.173	6.2	70
JUN 2004							
03...	A.010	A.009	<.001	A.011	.016	5.9	31
281500082351101 STARKEY S-10 FLRD PRODUCTION WELL NEAR ODESSA FL							
MAY 2003							
29...	.360	<.002	<.001	.030	.032	3.8	4
NOV							
11...	A.376	A.002	A.001	.030	.032	3.7	5
JUN 2004							
03...	.390	<.002	<.001	A.026	.036	4.2	5

Remark codes used in this table:
< -- Less than
A -- Average value

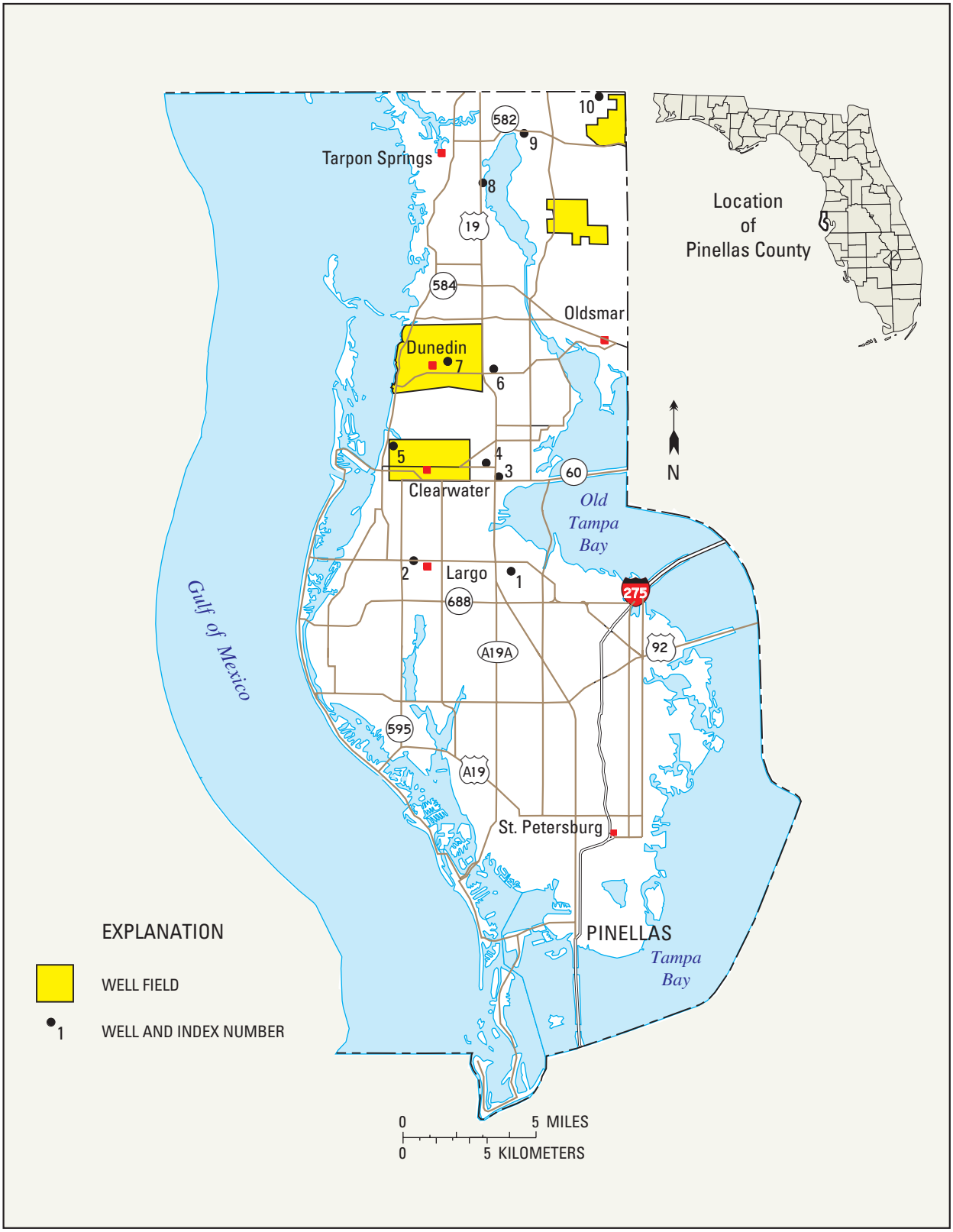


Figure 20.-- Location of wells in Pinellas County.

KEY TO SITE LOCATIONS ON FIGURE 20

PINELLAS COUNTY

INDEX NUMBER	SITE NUMBER
1	275430082431401
1	275430082431402
1	275430082431403
2	275458082464002
2	275458082464003
2	275458082464004
3	275753082433701
4	275815082440401
5	275843082474201
6	280118082434501
6	280118082434502
6	280118082434503
7	280132082452801
7	280132082452802
7	280132082452803
8	280734082442101
9	280907082424801
9	280907082424802
10	281022082400201

PINELLAS COUNTY

WELL NUMBER.--275430082431401. ROMP TR 13-2A Lower Suwannee Well near Largo, FL.

LOCATION.--Lat 27° 54'30", long 82° 43'14" (1927 North American datum), in SW 1/4 SE 1/4 sec.32, T.29 S., R.16 E., Hydrologic Unit 03100206, 0.5 mi south of East Bay Drive, and 4.4 mi east of Largo.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 551 ft, cased to 530 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 16.78 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of casing, 3.26 ft above land-surface datum.

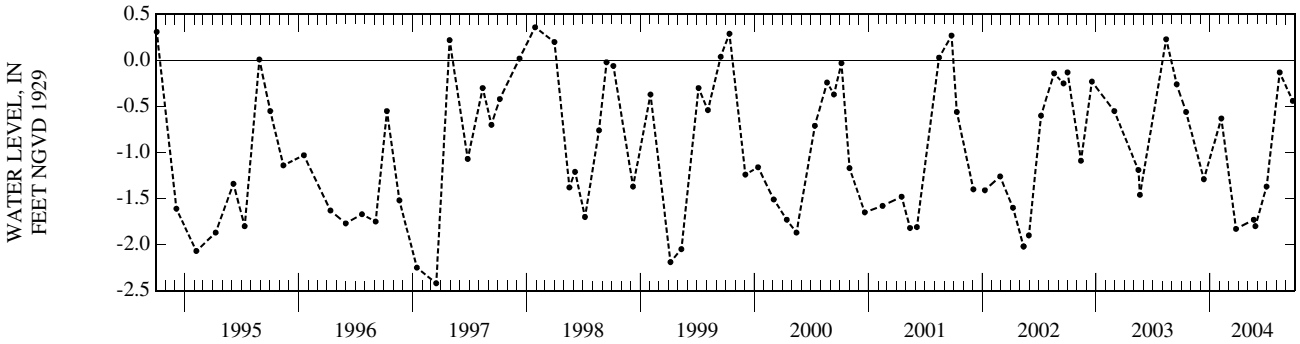
PERIOD OF RECORD.--April 1988 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.36 ft NGVD, Jan. 28, 1998; lowest measured, 4.65 ft below NGVD, June 20, 1988.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	-.56	FEB 06	-.63	MAY 20	-1.73	JUN 30	-1.37	SEP 22	-.44
DEC 12	-1.29	MAR 24	-1.83	25	-1.80	AUG 11	-.13		

WATER YEAR 2004 LOWEST -1.83 MAR 24, 2004 HIGHEST -.13 AUG 11, 2004



WELL NUMBER.--275430082431402. ROMP TR 13-2A Upper Suwannee Well near Largo, FL.

LOCATION.--Lat 27° 54'30", long 82° 43'14" (1927 North American datum), in SW 1/4 SE 1/4 sec.32, T.29 S., R.16 E., Hydrologic Unit 03100206, 0.5 mi south of East Bay Drive, and 4.4 mi east of Largo.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 279 ft, cased to 269 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 17.64 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of coupling, 2.45 ft above land-surface datum.

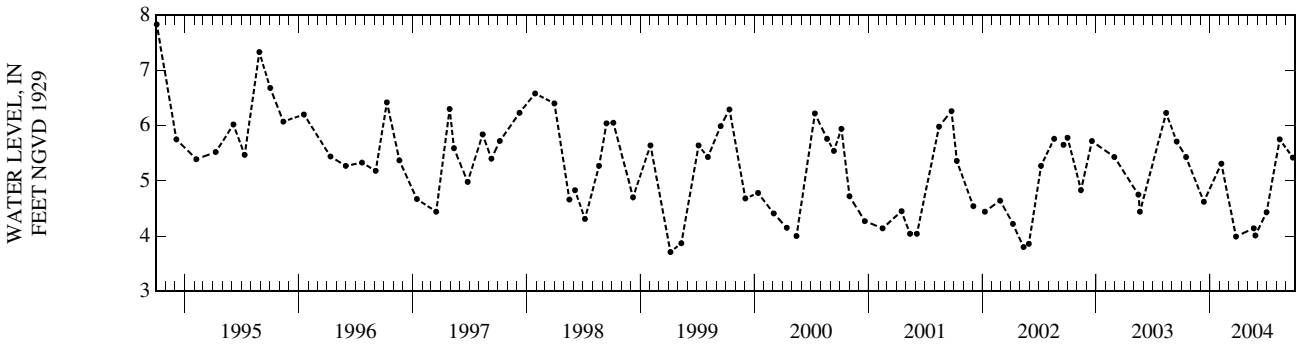
PERIOD OF RECORD.--April 1988 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.83 ft NGVD, Oct. 3, 1994; lowest measured, 3.46 ft NGVD, June 20, 1988.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.43	FEB 06	5.31	MAY 20	4.14	JUN 30	4.43	SEP 22	5.42
DEC 12	4.62	MAR 24	3.99	25	4.01	AUG 11	5.75		

WATER YEAR 2004 LOWEST 3.99 MAR 24, 2004 HIGHEST 5.75 AUG 11, 2004



WELL NUMBER.--275430082431403. ROMP TR 13-2 NRSD Well near Largo, FL.

LOCATION.--Lat 27° 54'30", long 82° 43'14" (1927 North American datum), in SW 1/4 SE 1/4 sec.32, T.29 S., R.16 E., Hydrologic Unit 03100206, 0.5 mi south of East Bay Drive, and 2.0 mi east of Largo.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS (corrected).--Drilled, observation, water-table well, diameter 6 in., depth 15 ft, cased to 10 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 17.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.95 ft above land-surface datum.

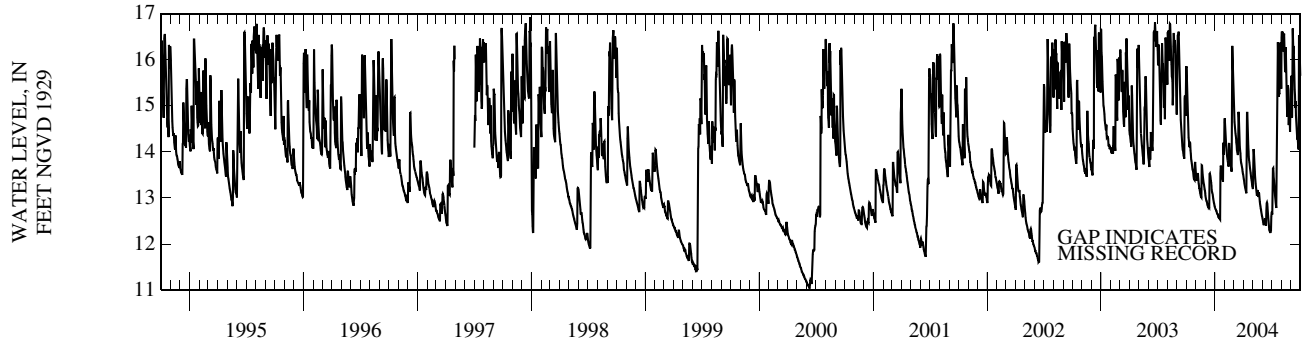
PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.03 ft NGVD, Sept. 8, 1988; lowest, 11.04 ft NGVD, June 9, 10, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.86	13.45	13.05	12.78	14.73	14.92	13.46	13.19	12.55	12.68	16.49	15.65
2	15.64	13.37	13.01	12.76	14.58	14.78	13.41	13.76	12.52	12.64	16.61	15.10
3	15.30	13.40	12.97	12.75	14.44	14.65	13.37	14.06	12.47	13.09	16.41	14.74
4	15.00	13.41	12.94	12.73	14.30	14.57	13.31	14.00	12.44	13.64	16.61	14.75
5	14.76	13.51	12.93	12.72	14.19	14.49	13.27	13.83	12.41	13.65	16.53	16.19
6	14.60	13.54	12.90	12.69	14.11	14.40	13.23	13.70	12.46	13.54	16.18	16.68
7	14.44	13.50	12.86	12.66	14.04	14.35	13.20	13.58	12.41	13.43	16.45	16.44
8	14.31	13.41	12.83	12.65	13.92	14.29	13.17	13.49	12.53	13.38	16.48	16.13
9	14.23	13.31	12.82	12.64	13.86	14.20	13.13	13.40	12.56	13.26	16.57	16.30
10	14.16	13.27	12.84	12.64	13.81	14.16	13.10	13.31	12.52	13.16	16.30	16.00
11	14.10	13.22	12.79	12.59	13.77	14.04	13.68	13.24	12.45	13.06	16.03	15.70
12	14.22	13.20	12.80	12.58	13.73	14.01	14.85	13.18	12.40	12.99	15.73	15.36
13	14.20	13.16	12.79	12.58	13.68	13.98	14.85	13.11	12.72	12.91	15.99	15.23
14	14.03	13.11	13.52	12.57	14.17	13.93	14.53	13.05	12.88	12.85	16.27	14.96
15	13.96	13.08	13.53	12.55	14.19	14.10	14.30	13.12	12.90	12.78	16.17	15.10
16	13.84	13.05	13.49	12.54	14.06	14.87	14.13	13.17	12.87	13.10	15.72	14.79
17	13.80	13.02	13.46	12.53	13.94	14.77	14.01	13.12	12.80	13.86	15.26	14.65
18	13.75	13.01	13.38	13.54	13.85	14.46	13.90	13.02	12.71	14.37	14.97	14.54
19	13.69	13.71	13.33	13.70	13.77	14.26	13.82	13.07	12.61	15.50	14.76	14.39
20	13.63	13.70	13.26	13.67	13.72	14.12	13.77	13.12	12.53	16.38	14.82	14.27
21	13.60	13.59	13.18	13.60	13.67	14.03	13.71	13.09	12.45	16.05	15.45	14.37
22	13.58	13.50	13.14	13.55	13.61	13.97	13.64	13.01	12.36	15.63	15.37	14.23
23	13.54	13.43	13.11	13.49	13.57	13.83	13.59	12.92	12.31	15.20	14.88	14.11
24	13.47	13.37	13.09	13.43	15.57	13.77	13.54	12.86	12.32	15.27	14.58	14.07
25	13.42	13.32	13.03	13.40	16.30	13.74	13.47	12.82	12.27	15.25	14.80	14.07
26	13.40	13.29	12.98	13.35	15.92	13.70	13.42	12.77	12.24	15.54	14.80	16.53
27	13.39	13.24	12.94	14.20	15.66	13.66	13.38	12.74	12.30	16.37	14.69	16.50
28	13.73	13.19	12.90	14.08	15.30	13.62	13.32	12.70	12.30	16.31	14.43	16.21
29	13.78	13.16	12.87	13.94	15.07	13.58	13.26	12.66	12.60	16.17	15.08	15.93
30	13.68	13.10	12.83	14.02	---	13.54	13.24	12.62	12.68	15.81	15.34	15.65
31	13.56	---	12.80	14.63	---	13.51	---	12.59	---	15.37	15.44	---
MAX	15.86	13.71	13.53	14.63	16.30	14.92	14.85	14.06	12.90	16.38	16.61	16.68

CAL YR 2003 MAX 16.81
WTR YR 2004 MAX 16.68



WELL NUMBER.--275458082464002. ROMP TR 13-1A Suwannee Well at Largo, FL.

LOCATION.--Lat 27° 54'58", long 82° 46'40" (1927 North American datum), in NW 1/4 SW 1/4 sec.35, T.29 S., R.15 E., Hydrologic Unit 03100207, 50 ft south of East Bay Drive, and 0.9 mi northeast of Largo.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 264 ft, cased to 254 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 10.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.68 ft above land-surface datum.

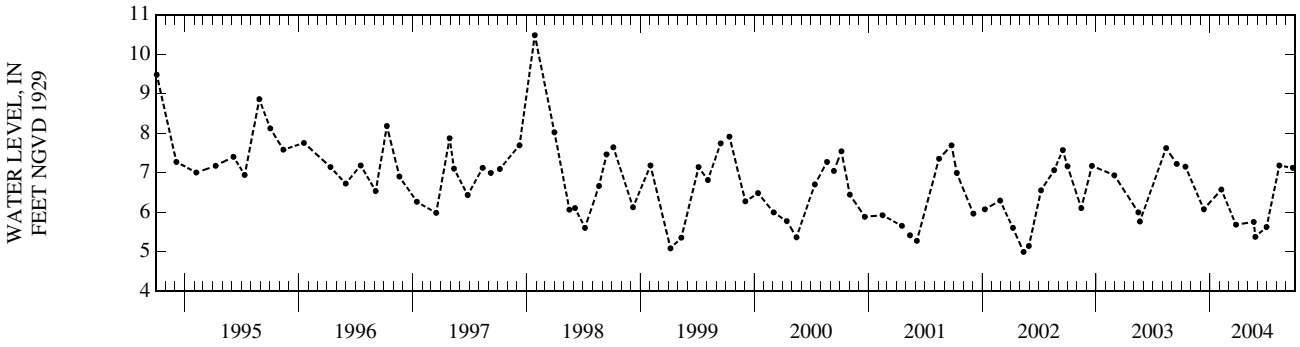
PERIOD OF RECORD.--April 1988 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.48 ft NGVD, Jan. 27, 1998; lowest measured, 4.45 ft NGVD, June 20, 1988.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	7.15	FEB 06	6.57	MAY 20	5.75	JUN 30	5.62	SEP 22	7.12
DEC 12	6.07	MAR 24	5.68	25	5.37	AUG 10	7.18		

WATER YEAR 2004 LOWEST 5.37 MAY 25, 2004 HIGHEST 7.18 AUG 10, 2004



WELL NUMBER.--275458082464003. ROMP TR 13-1A Tampa Well at Largo, FL.

LOCATION.--Lat 27° 54'58", long 82° 46'40" (1927 North American datum), in NW 1/4 SW 1/4 sec.35, T.29 S., R.15 E., Hydrologic Unit 03100207, 50 ft south of East Bay Drive, and 0.9 mi northeast of Largo.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 188 ft, cased to 173 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 9.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.10 ft above land-surface datum.

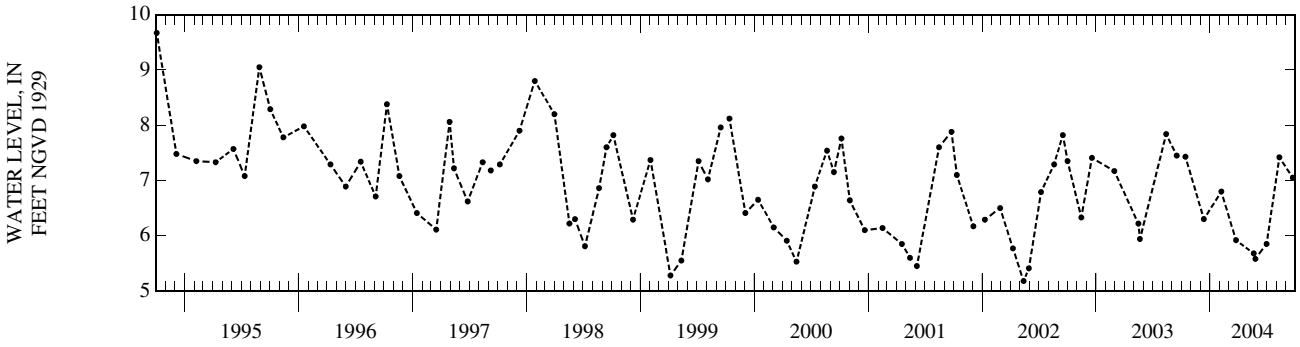
PERIOD OF RECORD.--April 1988 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.67 ft NGVD, Oct. 3, 1994; lowest measured, 4.45 ft NGVD, June 20, 1988.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	7.43	FEB 06	6.80	MAY 20	5.68	JUN 30	5.85	SEP 22	7.05
DEC 12	6.30	MAR 24	5.92	25	5.58	AUG 10	7.42		

WATER YEAR 2004 LOWEST 5.58 MAY 25, 2004 HIGHEST 7.43 OCT 14, 2003



WELL NUMBER.--275458082464004. ROMP TR 13-1A NRSD Well at Largo, FL.

LOCATION.--Lat 27° 54'58", long 82° 46'40" (1927 North American datum), in NW 1/4 SW 1/4 sec.35, T.29 S., R.15 E., Hydrologic Unit 03100207, 50 ft south of East Bay Drive, and 0.9 mi northeast of Largo.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 6 in., depth 20 ft, cased to 10 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 10.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.13 ft above land-surface datum.

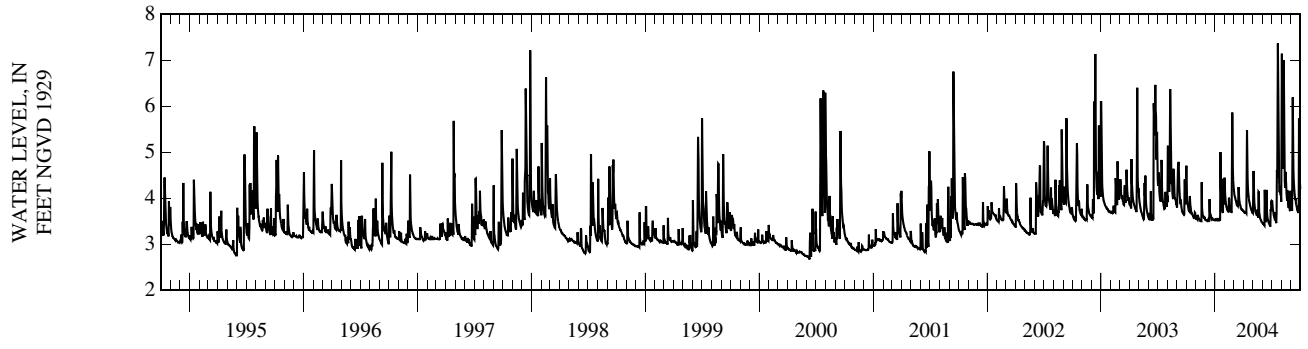
PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.38 ft NGVD, Sept. 8, 1988; lowest, 2.59 ft NGVD, June 20, 1990, May 29, 30, June 1, 1994.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.69	3.55	3.53	3.52	4.43	4.18	3.72	3.68	3.46	3.94	5.33	3.92
2	4.18	3.55	3.53	3.55	4.10	4.12	3.71	4.26	3.45	3.93	7.14	3.88
3	4.04	3.55	3.52	3.55	4.01	4.06	3.71	4.59	3.45	3.83	6.07	3.78
4	3.95	3.55	3.52	3.53	3.92	4.04	3.70	4.20	3.44	3.74	4.92	3.73
5	3.88	3.54	3.52	3.53	3.86	4.01	3.68	3.98	3.43	3.72	4.98	4.11
6	3.83	3.64	3.52	3.52	3.82	3.98	3.68	3.86	3.42	3.67	4.64	6.19
7	3.79	3.59	3.51	3.52	3.81	3.95	3.68	3.80	3.41	3.63	7.00	5.45
8	3.75	3.59	3.52	3.52	3.76	3.94	3.68	3.76	4.18	3.62	6.90	4.66
9	3.73	3.57	3.52	3.57	3.74	3.91	3.68	3.72	3.91	3.58	5.04	4.40
10	3.72	3.56	3.54	3.55	3.73	3.88	3.67	3.69	3.54	3.56	4.67	4.28
11	3.71	3.55	3.52	3.52	3.72	3.85	4.51	3.68	3.50	3.52	4.39	4.16
12	4.05	3.54	3.51	3.52	3.71	3.84	5.48	3.66	3.48	3.70	4.23	4.07
13	3.90	3.53	3.52	3.53	3.71	3.84	4.81	3.64	4.16	3.58	4.28	4.02
14	3.82	3.51	3.98	3.54	4.01	3.83	4.40	3.62	4.16	3.49	4.57	3.96
15	3.77	3.51	3.72	3.53	3.99	3.92	4.22	3.73	3.70	3.46	4.42	3.99
16	3.71	3.51	3.67	3.54	3.83	4.24	4.11	3.75	3.61	3.68	4.30	3.89
17	3.69	3.50	3.65	3.54	3.78	4.16	4.05	3.61	3.57	4.61	4.11	3.86
18	3.68	3.50	3.62	5.00	3.75	4.00	4.00	3.58	3.54	4.44	4.02	3.83
19	3.65	4.35	3.60	4.27	3.73	3.93	3.95	4.14	3.52	5.68	3.95	3.79
20	3.64	3.81	3.58	4.08	3.72	3.88	3.92	4.13	3.49	7.36	4.17	3.76
21	3.63	3.69	3.55	3.91	3.71	3.85	3.89	3.70	3.48	6.13	3.99	3.77
22	3.62	3.64	3.56	3.81	3.70	3.84	3.85	3.65	3.46	4.87	3.88	3.74
23	3.61	3.61	3.56	3.76	3.70	3.80	3.82	3.61	3.44	4.54	3.82	3.71
24	3.58	3.59	3.56	3.72	5.11	3.78	3.80	3.57	3.42	4.34	3.79	3.70
25	3.57	3.59	3.54	3.70	5.86	3.76	3.77	3.55	3.40	4.24	3.92	3.68
26	3.57	3.58	3.53	3.68	4.96	3.76	3.75	3.53	3.40	4.13	3.88	5.74
27	3.57	3.57	3.53	4.42	4.56	3.76	3.75	3.52	3.76	4.27	3.75	5.72
28	3.69	3.58	3.53	4.02	4.38	3.75	3.72	3.50	3.72	4.09	3.72	4.61
29	3.68	3.56	3.53	3.87	4.26	3.74	3.69	3.49	3.95	4.08	4.16	4.35
30	3.59	3.54	3.52	3.88	---	3.73	3.69	3.48	3.86	4.06	3.84	4.20
31	3.57	---	3.52	4.43	---	3.73	---	3.47	---	3.92	3.77	---
MAX	4.69	4.35	3.98	5.00	5.86	4.24	5.48	4.59	4.18	7.36	7.14	6.19

CAL YR 2003 MAX 6.46
WTR YR 2004 MAX 7.36



PINELLAS COUNTY--Continued

WELL NUMBER.--275753082433701. Clearwater-Dunedin Deep Well 27 near Clearwater, FL.

LOCATION.--Lat 27° 57'53", long 82° 43'37" (1927 North American datum), in SE 1/4 NW 1/4 sec.17, T.29 S., R.16 E., Hydrologic Unit 03100207, 0.3 mi north of State Highway 60, and 4.3 mi east of Clearwater.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 560 ft, cased to 523 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 48.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

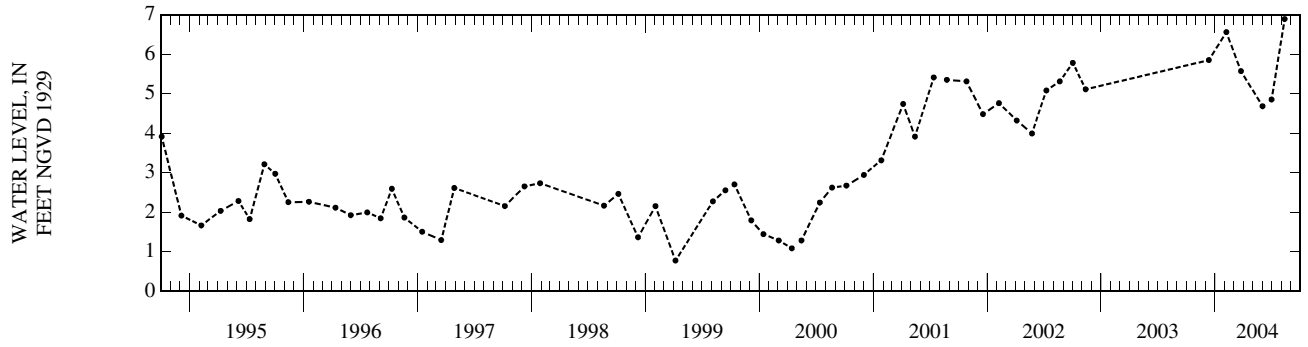
PERIOD OF RECORD.--October 1982 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.89 ft NGVD, Aug. 11, 2004; well observed dry June 5, July 2, 1998; May 12, July 6, 1999.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	5.85	FEB 06	6.56	MAR 24	5.57	JUN 01	4.68	JUN 30	4.85	AUG 11	6.89

WATER YEAR 2004 LOWEST 4.68 JUN 01, 2004 HIGHEST 6.89 AUG 11, 2004



WELL NUMBER.--275815082440401. Pinellas Well 665 near Clearwater, FL.

LOCATION.--Lat 27° 58'15", long 82° 44'04" (1927 North American datum), in SW 1/4 SE 1/4 sec.7, T.29 S., R.16 E., Hydrologic Unit 03100206, 1.1 mi north of State Highway 60, and 4.0 mi east of Clearwater.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 10 in., depth 299 ft, cased to 81 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 33.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.97 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby wells.

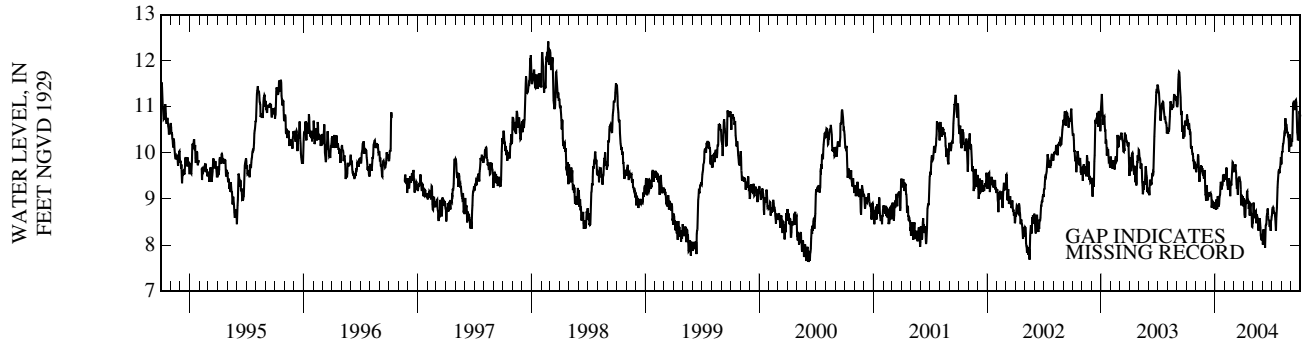
PERIOD OF RECORD.--June 1954 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.79 ft NGVD, Sept. 15, 1959; lowest, 7.18 ft NGVD, May 14, 15, 22, 1981.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.60	9.58	9.10	8.89	9.49	9.68	8.94	8.49	8.18	8.65	9.78	10.16
2	10.74	9.61	9.10	8.92	9.50	9.70	9.01	8.72	8.01	8.77	9.98	10.26
3	10.83	9.68	8.96	8.77	9.53	9.61	8.97	8.92	8.09	8.80	10.03	10.27
4	10.78	9.76	9.17	8.80	9.41	9.66	8.67	8.82	8.34	8.80	10.01	10.24
5	10.58	9.69	9.30	8.99	9.51	9.71	8.61	8.68	8.22	8.82	10.14	10.43
6	10.72	9.84	9.22	8.92	9.68	9.75	8.61	8.70	8.09	8.80	10.19	10.85
7	10.62	9.97	9.00	8.78	9.66	9.61	8.62	8.73	8.10	8.68	10.21	11.07
8	10.51	9.92	8.99	8.81	9.43	9.57	8.87	8.73	8.09	8.71	10.28	11.08
9	10.60	9.78	8.97	9.06	9.31	9.46	8.96	8.58	7.94	8.70	10.36	11.11
10	10.61	9.59	9.07	9.01	9.29	9.32	8.96	8.73	8.18	8.69	10.43	11.13
11	10.53	9.50	9.07	8.83	9.20	9.22	8.90	8.74	8.42	8.64	10.42	11.06
12	10.45	9.37	9.07	8.86	9.27	9.33	9.16	8.47	8.44	8.56	10.54	10.95
13	10.46	9.63	9.07	8.86	9.33	9.20	9.17	8.60	8.45	8.44	10.75	10.95
14	10.43	9.60	9.15	8.89	9.45	9.09	9.01	8.67	8.61	8.31	10.59	10.97
15	10.13	9.59	9.12	9.03	9.40	9.40	8.98	8.61	8.66	8.56	10.60	11.14
16	10.09	9.64	9.11	9.07	9.30	9.44	8.97	8.52	8.68	8.69	10.61	11.15
17	10.13	9.73	9.12	9.09	9.25	9.46	8.93	8.59	8.75	8.81	10.61	11.09
18	10.13	9.65	9.07	9.26	9.06	9.45	8.78	8.50	8.79	9.01	10.54	10.94
19	10.02	9.71	9.10	9.37	9.14	9.46	8.90	8.31	8.64	9.25	10.43	10.69
20	9.98	9.64	9.02	9.35	9.33	9.40	8.82	8.51	8.53	9.38	10.45	10.44
21	9.98	9.67	8.81	9.20	9.34	9.40	8.64	8.48	---	9.47	10.43	10.40
22	9.92	9.59	8.86	9.24	9.29	9.38	8.83	8.49	8.55	9.58	10.36	10.27
23	9.84	9.51	8.88	9.29	9.41	9.21	8.90	8.58	8.50	9.62	10.34	10.33
24	9.84	9.59	8.87	9.29	9.54	8.86	8.89	8.47	8.39	9.62	10.27	10.32
25	9.77	9.49	8.94	9.32	9.68	8.98	8.65	8.38	8.53	9.56	10.02	10.34
26	9.65	9.44	8.93	9.51	9.80	9.09	8.67	8.21	8.45	9.62	10.13	10.58
27	9.71	9.56	8.86	9.51	9.79	9.04	8.69	8.15	8.31	9.67	10.40	10.86
28	9.81	9.63	8.79	9.46	9.67	8.91	8.40	8.12	8.51	9.70	10.30	10.91
29	9.73	9.50	8.93	9.38	9.58	9.04	8.39	8.12	8.53	9.81	10.22	10.84
30	9.67	9.18	8.82	9.52	---	9.04	8.48	8.15	8.61	9.91	10.22	10.79
31	9.65	---	8.80	9.52	---	8.84	---	8.19	---	9.75	10.16	---
MAX	10.83	9.97	9.30	9.52	9.80	9.75	9.17	8.92	---	9.91	10.75	11.15

CAL YR 2003 MAX 11.76



WELL NUMBER.--275843082474201. Garden Street Triangle Well at Clearwater, FL.

LOCATION.--Lat 27° 58'43", long 82° 47'42" (1927 North American datum), in NE 1/4 NE 1/4 sec.9, T.29 S., R.15 E., Hydrologic Unit 03100207, 0.9 mi north of State Highway 60, and 1.0 mi north of City Hall at Clearwater.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 10 in., depth 208 ft, cased to 54 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 32.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 1.17 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

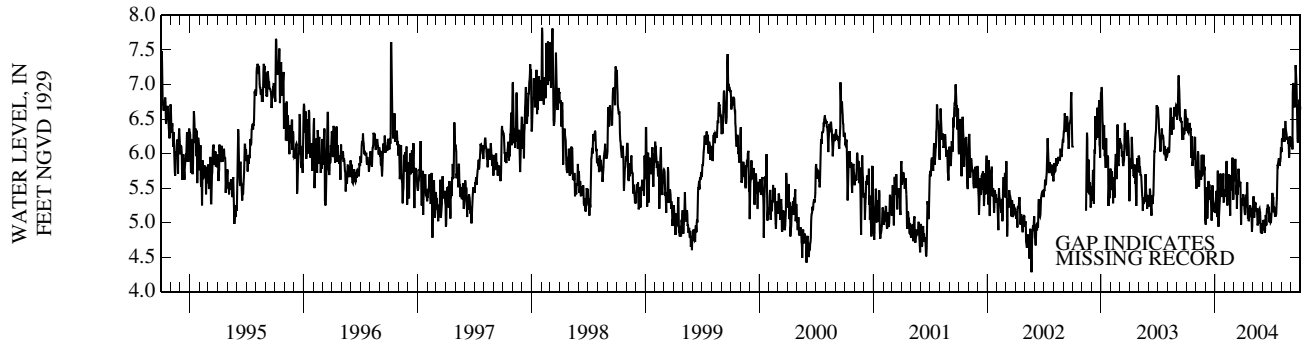
PERIOD OF RECORD.--March 1946 to September 1983; October 1983 to December 1990 (periodic); January 1991 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.63 ft NGVD, Sept. 6, 1950; lowest, 3.55 ft NGVD, May 25, 1956.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.33	5.63	5.03	5.15	5.47	5.70	5.27	5.23	4.98	5.31	6.02	6.10
2	6.41	5.49	4.97	5.28	5.46	5.63	5.36	5.29	4.89	5.43	6.20	6.16
3	6.44	5.71	5.13	5.30	5.42	5.60	5.31	5.38	4.97	5.41	6.22	6.24
4	6.51	5.79	5.48	5.36	5.47	5.81	5.20	5.28	5.04	5.32	6.18	6.20
5	6.33	5.83	5.51	5.46	5.65	5.91	5.14	5.07	5.02	5.37	6.22	6.06
6	6.32	5.95	5.47	5.43	5.88	5.91	5.11	5.18	4.92	5.22	6.36	6.88
7	6.31	6.03	5.06	5.08	5.88	5.74	5.15	5.30	4.95	5.15	6.25	7.02
8	6.30	5.98	5.23	5.21	5.31	5.61	5.39	5.27	4.85	5.23	6.28	6.99
9	6.34	5.83	5.39	5.74	5.25	5.41	5.39	5.27	4.89	5.22	6.23	6.84
10	6.43	5.52	5.59	5.74	5.33	5.54	5.24	5.29	5.03	5.17	6.17	6.79
11	6.43	5.55	5.59	5.05	5.36	5.20	5.24	5.18	5.11	5.09	6.22	6.69
12	6.43	5.71	5.36	4.94	5.41	5.41	5.57	5.16	5.07	5.11	6.35	6.67
13	6.33	5.71	5.48	5.07	5.41	5.43	5.57	5.21	4.96	5.10	6.47	6.72
14	6.37	5.66	5.55	5.17	5.70	5.41	5.38	5.19	5.13	5.10	6.38	6.82
15	6.30	5.71	5.33	5.25	5.57	5.63	5.06	5.12	5.20	5.13	6.35	7.28
16	5.94	5.70	5.37	5.32	5.36	5.78	5.10	4.96	5.17	5.27	6.31	7.18
17	6.11	5.62	5.46	5.49	5.22	5.70	5.09	4.98	5.21	5.36	6.28	7.07
18	6.25	5.80	5.31	5.71	5.10	5.61	5.02	5.00	5.26	5.57	6.24	6.96
19	5.99	5.98	5.27	5.65	5.35	5.58	5.10	5.00	5.20	5.84	6.20	6.70
20	5.82	5.67	5.19	5.54	5.67	5.56	5.12	5.12	5.15	5.83	6.22	6.41
21	5.87	5.72	5.03	5.37	5.67	5.57	5.17	5.19	5.23	5.87	6.22	6.22
22	5.90	5.69	5.31	5.42	5.58	5.59	5.25	5.20	5.13	5.90	6.16	6.16
23	5.93	5.80	5.53	5.42	5.47	5.15	5.22	5.14	5.00	5.93	6.16	6.28
24	5.92	5.97	5.53	5.39	5.70	4.97	5.16	5.16	5.01	5.91	6.12	6.33
25	5.91	5.97	5.40	5.45	5.91	5.20	5.08	5.02	5.14	5.90	5.94	6.30
26	5.98	5.74	5.28	5.58	5.94	5.35	5.20	4.87	5.05	5.82	6.02	6.71
27	6.23	5.77	5.19	5.71	5.67	5.32	5.03	4.87	5.00	5.87	6.25	6.77
28	6.23	5.81	5.16	5.30	5.33	5.29	4.87	4.97	5.01	5.88	6.21	6.77
29	6.24	5.50	5.26	5.29	5.42	5.30	4.96	4.85	5.09	5.94	6.16	6.70
30	5.79	5.04	5.27	5.48	---	5.24	5.15	4.85	5.16	6.09	6.21	6.64
31	5.64	---	5.14	5.37	---	5.41	---	4.98	---	6.08	6.12	---
MAX	6.51	6.03	5.59	5.74	5.94	5.91	5.57	5.38	5.26	6.09	6.47	7.28

CAL YR 2003 MAX 7.13
WTR YR 2004 MAX 7.28



WELL NUMBER.--280118082434501. ROMP TR 14-3 Suwannee Well near Dunedin, FL.

LOCATION.--Lat 28° 01'18", long 82° 43'45" (1927 North American datum), in SW 1/4 NW 1/4 sec.29, T.28 S., R. 16 E., Hydrologic Unit 03100206, 1,000 ft north of State Highway 580, and 3.5 mi northeast of Dunedin.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 319 ft, cased to 299 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 95.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.26 ft above land-surface datum.

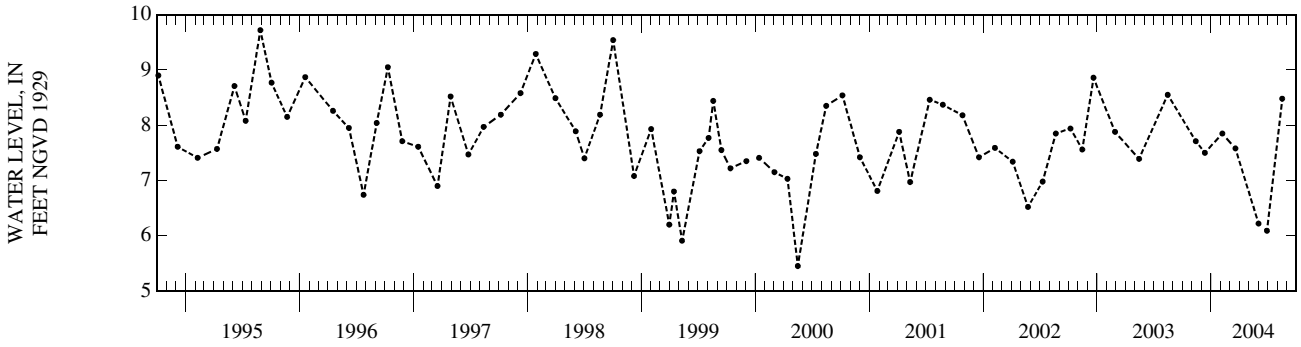
PERIOD OF RECORD.--April 1988 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.72 ft NGVD, Aug. 28, 1995; lowest measured, 5.45 ft NGVD, May 16, 2000.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	7.71	FEB 06	7.85	JUN 01	6.22	AUG 16	8.48
DEC 12	7.50	MAR 19	7.58	28	6.09		

WATER YEAR 2004 LOWEST 6.09 JUN 28, 2004 HIGHEST 8.48 AUG 16, 2004



WELL NUMBER.--280118082434502. ROMP TR 14-3 Tampa Well near Dunedin, FL.

LOCATION.--Lat 28° 01'18", long 82° 43'45" (1927 North American datum), in SW 1/4 NW 1/4 sec.29, T.28 S., R.16 E., Hydrologic Unit 03100206, 1,000 ft north of State Highway 580, and 3.5 mi northeast of Dunedin.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 112TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 10 in., depth 176 ft, cased to 125 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 95.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter floor, 2.40 ft above land-surface datum.

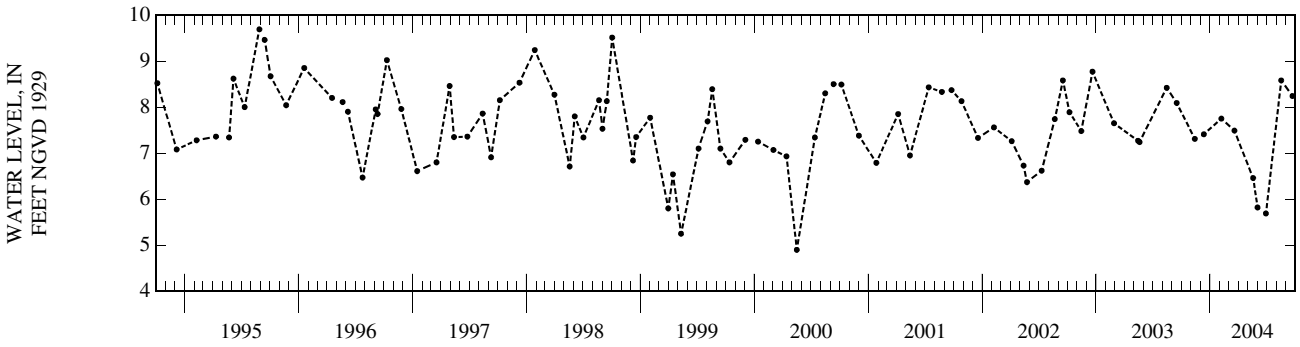
PERIOD OF RECORD.--October 1988 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.69 ft NGVD, Aug. 28, 1995; lowest measured, 4.90 ft NGVD, May 16, 2000.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 13	7.31	FEB 06	7.75	MAY 18	6.46	JUN 28	5.69	SEP 21	8.24
DEC 12	7.41	MAR 19	7.49	JUN 01	5.82	AUG 16	8.58		

WATER YEAR 2004 LOWEST 5.69 JUN 28, 2004 HIGHEST 8.58 AUG 16, 2004



WELL NUMBER.--280118082434503. ROMP TR 14-3 NRSD Well near Dunedin, FL.

LOCATION.--Lat 28° 01'18", long 82° 43'45" (1927 North American datum), in SW 1/4 NW 1/4 sec.29, T.28 S., R.16 E., Hydrologic Unit 03100206, 1,000 ft north of State Highway 580, and 3.5 mi northeast of Dunedin.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 30 ft, cased to 10 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 95.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.31 ft above land-surface datum.

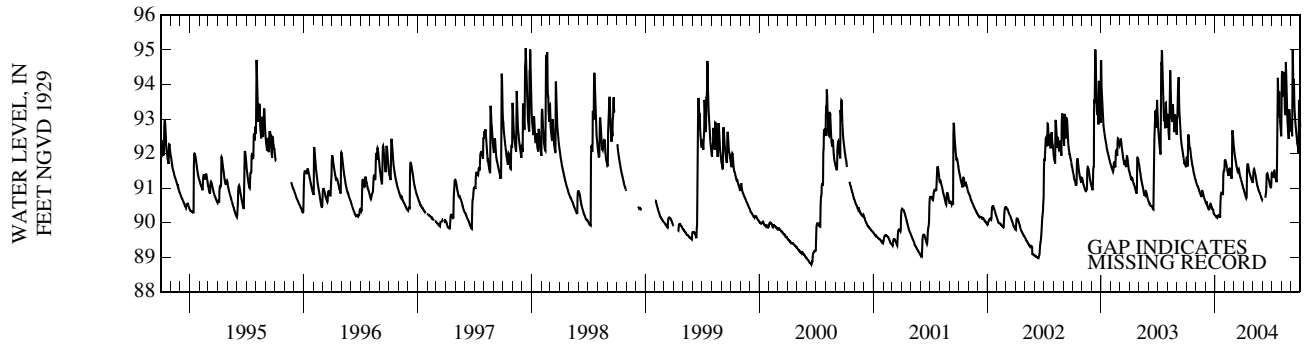
PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 95.17 ft NGVD, Sept. 8, 1988; lowest, 88.79 ft NGVD, June 16, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91.88	91.18	90.62	90.21	91.79	92.20	90.99	91.15	90.69	91.44	93.65	92.96
2	91.89	91.15	90.59	90.20	91.81	92.10	90.95	91.35	---	91.43	94.29	92.96
3	91.84	91.12	90.56	90.19	91.81	92.01	90.92	91.48	---	91.38	94.38	92.71
4	91.74	91.09	90.55	90.17	91.78	91.95	90.88	91.53	---	91.33	93.97	92.50
5	91.63	91.07	90.61	90.17	91.74	91.88	90.85	91.55	---	91.30	93.80	93.17
6	91.98	91.06	90.53	90.16	91.68	91.82	90.82	91.52	---	91.35	93.64	95.01
7	92.55	91.04	90.49	90.14	91.64	91.76	90.78	91.48	---	91.45	94.36	94.50
8	92.52	91.00	90.47	90.13	91.57	91.73	90.76	91.44	---	91.49	94.30	93.87
9	92.41	90.97	90.44	90.16	91.52	91.67	90.73	91.40	---	91.50	94.06	94.16
10	92.28	90.96	90.42	90.20	91.47	91.63	90.70	91.35	90.72	91.44	93.93	93.97
11	92.18	90.93	90.41	90.21	91.43	91.59	90.73	91.29	90.83	91.37	93.38	93.44
12	92.15	90.89	90.38	90.22	91.40	91.54	91.48	91.24	90.85	91.30	93.11	93.21
13	92.15	90.87	90.36	90.21	91.35	91.50	91.67	91.19	91.04	91.28	93.14	93.08
14	92.06	90.86	90.43	90.20	91.40	91.46	91.69	91.13	91.41	91.28	93.61	92.92
15	91.98	90.83	90.50	90.20	91.56	91.43	91.69	91.08	91.42	91.22	94.65	92.83
16	91.89	90.80	90.52	90.18	91.57	91.52	91.65	91.04	91.43	91.17	94.32	92.72
17	91.82	90.77	90.54	90.14	91.57	91.54	91.59	91.02	91.42	91.44	93.68	92.60
18	91.77	90.74	90.53	90.57	91.52	91.50	91.54	90.98	91.39	92.37	93.35	92.51
19	91.70	90.88	90.51	90.77	91.49	91.43	91.50	90.94	91.32	93.60	93.12	92.41
20	91.65	90.92	90.48	90.84	91.44	91.38	91.45	90.92	91.27	94.19	92.92	92.29
21	91.61	90.92	90.43	90.87	91.38	91.34	91.42	90.90	91.25	93.90	92.78	92.27
22	91.58	90.90	90.42	90.87	91.31	91.32	91.39	90.87	91.22	93.42	92.67	92.20
23	91.52	90.85	90.39	90.87	91.27	91.27	91.36	90.86	91.17	93.06	92.54	92.12
24	91.47	90.82	90.39	90.85	91.56	91.24	91.32	90.83	91.10	93.80	92.42	92.06
25	91.43	90.77	90.37	90.82	92.65	91.21	91.29	90.81	91.07	93.75	93.25	92.01
26	91.39	90.73	90.37	90.80	92.65	91.17	91.27	90.78	91.04	93.25	93.28	93.53
27	91.35	90.71	90.28	91.37	92.56	91.14	91.24	90.75	91.02	92.98	93.14	93.53
28	91.31	90.68	90.26	91.49	92.42	91.10	91.22	90.74	91.00	92.84	92.93	93.20
29	91.28	90.66	90.25	91.50	92.29	91.08	91.19	90.71	91.13	92.73	92.71	92.96
30	91.26	90.63	90.23	91.50	---	91.04	91.17	90.69	91.41	92.61	92.64	92.77
31	91.21	---	90.22	91.55	---	91.01	---	90.66	---	92.50	92.68	---
MAX	92.55	91.18	90.62	91.55	92.65	92.20	91.69	91.55	---	94.19	94.65	95.01

CAL YR 2003 MAX 94.99



WELL NUMBER.--280132082452801. ROMP TR 14-2 Ocala Well near Dunedin, FL.

LOCATION.--Lat 28° 01'32", long 82° 45'28" (1927 North American datum), in SE 1/4 NW 1/4 sec.25, T.28 S., R.15 E., Hydrologic Unit 03100207, 0.5 mi north of State Highway 580, and 2.0 mi northeast of Dunedin.

AQUIFER.--Ocala limestone of Eocene Age, Geologic Unit 124OCAL.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 460 ft, cased to 440 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 54.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.85 ft above land-surface datum.

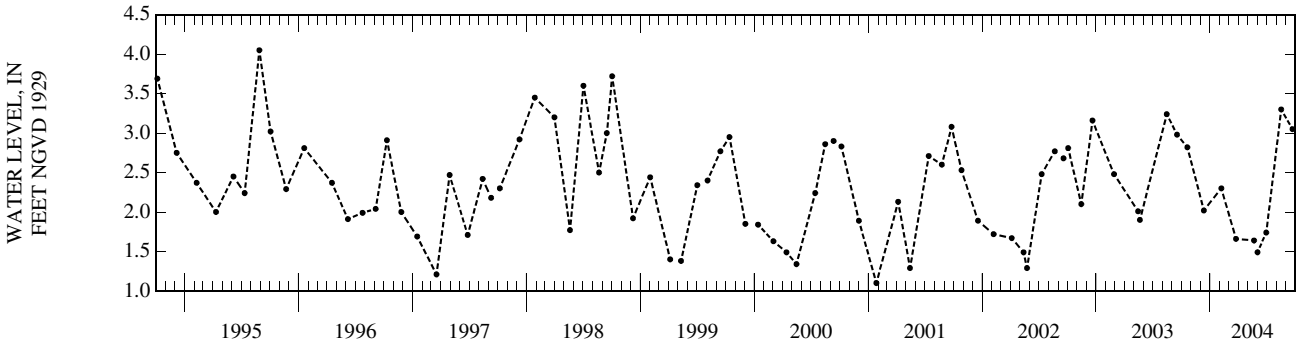
PERIOD OF RECORD.--April 1988 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.05 ft NGVD, Aug. 28, 1995; lowest measured, 1.10 ft NGVD, Jan. 26, 2001.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	2.82	FEB 06	2.30	MAY 21	1.64	JUN 29	1.74	SEP 21	3.05
DEC 12	2.02	MAR 24	1.66	JUN 01	1.49	AUG 16	3.30		

WATER YEAR 2004 LOWEST 1.49 JUN 01, 2004 HIGHEST 3.30 AUG 16, 2004



WELL NUMBER.--280132082452802. ROMP TR 14-2 Tampa Well near Dunedin, FL.

LOCATION.--Lat 28° 01'32", long 82° 45'28" (1927 North American datum), in SE 1/4 NW 1/4 sec.25, T.28 S., R.15 E., Hydrologic Unit 03100207, 0.5 mi north of State Highway 580, and 2.0 mi northeast of Dunedin.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 218 ft, cased to 213 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 54.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft above land-surface datum.

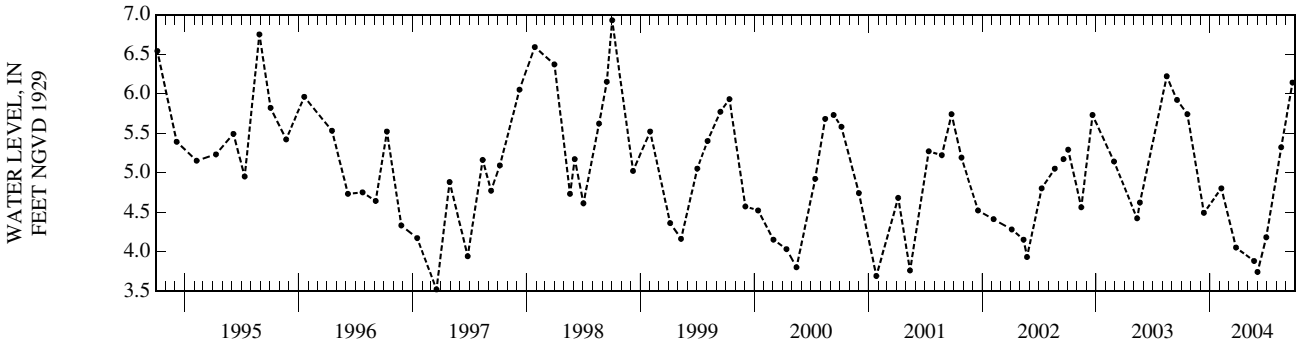
PERIOD OF RECORD.--April 1988 to current year (periodic).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.93 ft NGVD, Oct. 2, 1998; lowest measured, 3.48 ft NGVD, June 17, 1988.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	5.74	FEB 06	4.80	MAY 21	3.88	JUN 29	4.18	SEP 21	6.14
DEC 12	4.49	MAR 24	4.05	JUN 01	3.74	AUG 16	5.32		

WATER YEAR 2004 LOWEST 3.74 JUN 01, 2004 HIGHEST 6.14 SEP 21, 2004



WELL NUMBER.--280132082452803. ROMP TR 14-2 NRSD Well near Dunedin, FL.

LOCATION.--Lat 28° 01'32", long 82° 45'28" (1927 North American datum), in SE 1/4 NW 1/4 sec.25, T.28 S., R.15 E., Hydrologic Unit 03100207, 0.5 mi north of State Highway 580, and 2.0 mi northeast of Dunedin.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 18 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 54.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.22 ft above land-surface datum.

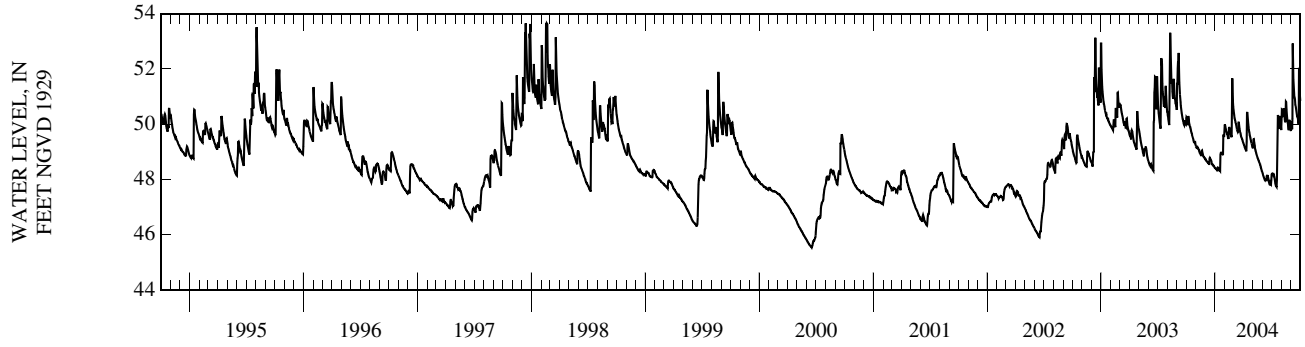
PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 53.87 ft NGVD, Sept. 8, 1988; lowest, 45.53 ft NGVD, June 17, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.26	49.20	48.73	48.41	49.99	50.42	49.32	49.13	48.25	48.21	50.10	50.04
2	50.24	49.17	48.72	48.41	49.97	50.33	49.28	49.33	48.20	48.22	50.53	50.05
3	50.15	49.18	48.69	48.40	49.91	50.23	49.25	49.45	48.16	48.22	50.52	49.93
4	50.06	49.14	48.68	48.39	49.84	50.18	49.21	49.46	48.13	48.19	50.35	49.82
5	49.97	49.14	48.67	48.38	49.79	50.15	49.17	49.35	48.09	48.20	50.32	50.20
6	50.01	49.16	48.66	48.36	49.75	50.07	49.14	49.28	48.06	48.20	50.26	52.92
7	50.30	49.13	48.63	48.33	49.72	50.03	49.11	49.21	48.03	48.13	50.57	52.30
8	50.21	49.12	48.62	48.33	49.66	50.01	49.09	49.13	47.99	48.14	50.52	51.62
9	50.11	49.08	48.61	48.39	49.65	49.95	49.06	49.08	47.97	48.09	50.41	51.38
10	50.02	49.07	48.61	48.43	49.60	49.90	49.02	49.03	48.00	48.03	50.33	51.16
11	49.97	49.04	48.58	48.42	49.53	49.82	49.36	49.00	48.00	47.94	50.18	50.98
12	49.93	49.01	48.56	48.40	49.50	49.79	50.40	48.94	47.98	47.86	50.07	50.96
13	49.91	48.98	48.56	48.39	49.47	49.75	50.44	48.91	47.94	47.82	50.12	50.90
14	49.85	48.95	48.76	48.36	49.85	49.72	50.27	48.87	48.12	47.77	50.66	50.71
15	49.80	48.92	48.78	48.33	49.90	49.75	50.13	48.83	48.14	47.75	50.82	50.67
16	49.74	48.90	48.76	48.33	49.86	50.06	50.00	48.80	48.14	47.73	50.80	50.59
17	49.71	48.88	48.74	48.31	49.79	50.06	49.90	48.77	48.16	47.99	50.54	50.50
18	49.68	48.85	48.71	48.89	49.72	49.96	49.82	48.74	48.10	48.46	50.36	50.42
19	49.61	49.04	48.69	48.96	49.69	49.86	49.75	48.69	48.07	49.51	50.22	50.33
20	49.57	49.05	48.64	48.97	49.66	49.77	49.70	48.67	48.02	50.33	50.10	50.25
21	49.53	48.98	48.59	48.96	49.62	49.73	49.61	48.64	47.94	50.28	50.03	50.30
22	49.49	48.93	48.56	48.96	49.57	49.69	49.56	48.61	47.89	49.99	49.97	50.20
23	49.47	48.88	48.55	48.94	49.53	49.62	49.51	48.58	47.85	49.83	49.86	50.12
24	49.41	48.84	48.55	48.93	50.46	49.57	49.45	48.53	47.82	50.00	49.78	50.06
25	49.36	48.82	48.51	48.91	51.66	49.54	49.39	48.51	47.82	50.05	50.10	50.01
26	49.34	48.82	48.50	48.88	51.12	49.50	49.35	48.45	47.88	50.27	50.16	51.95
27	49.33	48.80	48.50	49.60	50.83	49.48	49.30	48.42	47.85	50.27	50.12	51.93
28	49.34	48.78	48.49	49.60	50.64	49.45	49.25	48.39	47.83	50.15	50.00	51.28
29	49.35	48.76	48.47	49.56	50.51	49.42	49.20	48.35	47.98	50.03	49.88	51.02
30	49.27	48.75	48.45	49.54	---	49.38	49.17	48.32	48.18	49.92	49.78	50.85
31	49.23	---	48.42	49.74	---	49.34	---	48.29	---	49.79	49.76	---
MAX	50.30	49.20	48.78	49.74	51.66	50.42	50.44	49.46	48.25	50.33	50.82	52.92

CAL YR 2003 MAX 53.31
WTR YR 2004 MAX 52.92



WELL NUMBER.--280734082442101. ROMP TR 15-3 Deep Well near Tarpon Springs, FL.

LOCATION.--Lat 28° 07'34", long 82° 44'21" (1927 North American datum), in NW 1/4 NE 1/4 sec.19, T.27 S., R.16 E., Hydrologic Unit 03100207, 400 ft east of U. S. 19, and 1.4 mi south of Tarpon Springs.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 150 ft, cased to 147 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 25.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.40 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

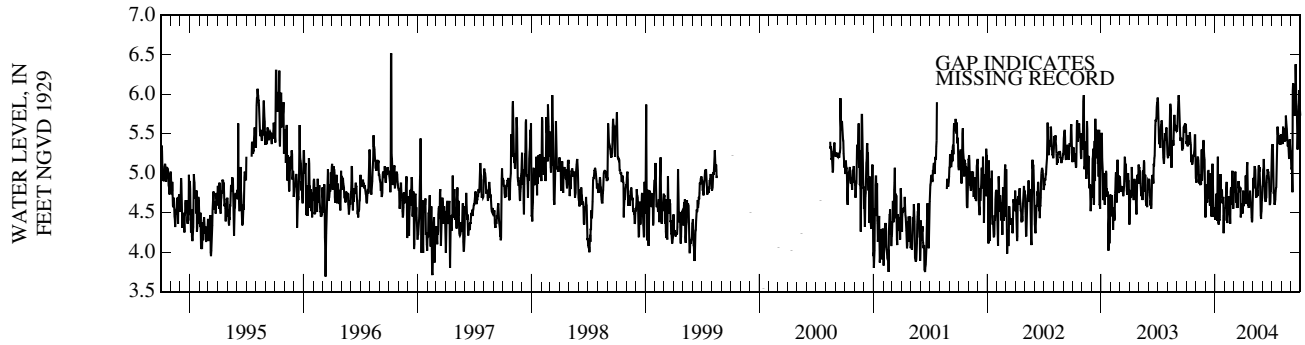
PERIOD OF RECORD.--April 1978 to April 1990; January 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.80 ft NGVD, estimated, Sept. 9, 1988; lowest, 2.88 ft NGVD, June 10, 11, 1985.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.37	4.93	4.45	4.41	4.57	4.76	4.58	4.68	4.83	5.31	5.46	5.06
2	5.41	4.88	4.44	4.44	4.55	4.79	4.70	4.93	4.85	5.35	5.44	5.06
3	5.38	4.99	4.59	4.51	4.59	4.76	4.64	4.94	5.04	5.37	5.41	5.07
4	5.45	5.05	4.86	4.74	4.65	4.88	4.64	4.81	5.06	5.30	5.37	4.96
5	5.34	5.14	4.79	4.72	4.73	5.01	4.65	4.91	5.18	5.15	5.49	4.76
6	5.38	5.20	4.70	4.72	4.82	5.01	4.71	5.08	5.03	4.84	5.59	6.04
7	5.48	5.20	4.63	4.40	4.89	4.83	4.76	5.09	4.87	4.74	5.46	6.14
8	5.42	5.16	4.74	4.79	4.42	4.72	4.97	5.07	4.77	4.77	5.51	6.12
9	5.40	5.09	5.02	5.08	4.37	4.63	4.83	5.04	4.68	4.62	5.44	5.94
10	5.36	4.88	5.03	5.21	4.46	4.74	4.61	4.91	4.65	4.60	5.40	5.80
11	5.42	4.88	5.03	4.38	4.50	4.56	4.84	4.71	4.64	4.63	5.42	5.78
12	5.52	4.93	4.72	4.36	4.52	4.66	5.09	4.69	4.68	4.67	5.55	5.74
13	5.46	4.99	4.68	4.36	4.49	4.71	5.14	4.73	4.69	4.77	5.57	5.73
14	5.39	4.86	5.00	4.42	4.71	4.56	4.84	4.71	4.88	4.81	5.41	5.84
15	5.36	4.85	4.59	4.40	4.67	4.76	4.62	4.78	4.97	4.82	5.73	6.38
16	5.14	4.92	4.68	4.44	4.51	4.90	4.60	4.71	4.95	4.95	5.66	6.09
17	5.21	4.86	4.80	4.84	4.48	4.81	4.60	4.82	5.05	5.15	5.61	5.91
18	5.23	5.00	4.64	4.99	4.36	4.84	4.56	4.90	5.04	5.41	5.56	5.85
19	5.11	5.30	4.59	4.84	4.58	4.82	4.71	5.05	5.01	5.59	5.46	5.75
20	5.12	4.91	4.45	4.69	4.77	4.76	4.69	5.10	5.01	5.50	5.40	5.51
21	5.15	5.01	4.52	4.79	4.82	4.77	4.68	5.02	4.96	5.50	5.34	5.30
22	5.20	5.09	4.78	4.79	4.75	4.82	4.78	5.08	4.92	5.43	5.39	5.43
23	5.21	5.32	5.11	4.78	4.60	4.44	4.70	4.96	4.79	5.44	5.35	5.54
24	5.23	5.41	5.11	4.62	4.79	4.50	4.61	4.85	4.61	5.37	5.28	5.45
25	5.23	5.41	4.88	4.64	5.02	4.60	4.59	4.61	4.61	5.48	5.18	5.50
26	5.27	5.28	4.62	4.67	5.03	4.62	4.56	4.47	4.63	5.46	5.32	5.92
27	5.32	5.20	4.45	4.70	4.61	4.56	4.44	4.42	4.77	5.47	5.43	6.05
28	5.48	5.17	4.48	4.24	4.55	4.54	4.38	4.49	4.79	5.36	5.35	5.90
29	5.48	4.75	4.50	4.47	4.60	4.49	4.40	4.52	4.97	5.43	5.29	5.80
30	5.18	4.49	4.57	4.46	---	4.52	4.52	4.66	5.14	5.48	5.26	5.73
31	4.94	---	4.46	4.40	---	4.78	---	4.69	---	5.49	5.19	---
MAX	5.52	5.41	5.11	5.21	5.03	5.01	5.14	5.10	5.18	5.59	5.73	6.38

CAL YR 2003 MAX 5.99
WTR YR 2004 MAX 6.38



WELL NUMBER.--280907082424801. Tarpon Road Deep Well near Tarpon Springs, FL.

LOCATION.--Lat 28° 09'07", long 82° 42'48" (1927 North American datum), in SW 1/4 NW 1/4 sec.9, T.27 S., R.16 E., Hydrologic Unit 03100207, 25 ft north of State Highway 582, and 2.6 mi east of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 305 ft, cased to 205 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 21.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.23 ft above land-surface datum.

REMARKS.--Water level affected by tidal fluctuations.

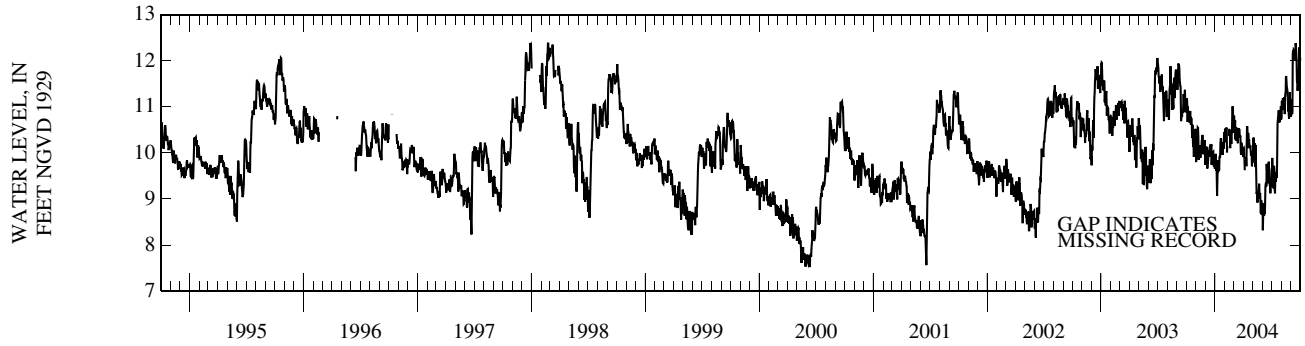
PERIOD OF RECORD.--July 1965 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.06 ft NGVD, Sept. 15, 1971; lowest, 7.52 ft NGVD, June 11, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.05	9.80	10.00	9.81	10.39	10.79	10.09	9.89	8.91	9.66	10.86	10.85
2	11.18	10.09	10.00	9.96	10.51	10.79	10.10	10.06	8.32	9.89	11.13	11.02
3	11.17	10.15	9.76	9.96	10.51	10.43	9.97	10.33	8.69	9.57	10.93	10.99
4	11.00	10.27	10.12	9.61	10.23	10.67	9.85	10.09	8.91	9.38	10.96	10.84
5	10.67	10.31	10.12	9.84	10.43	10.71	9.62	9.99	8.79	9.55	11.19	10.92
6	11.00	10.55	10.10	9.55	10.55	10.29	---	9.79	8.63	9.23	11.14	12.14
7	10.74	10.54	9.66	9.07	10.51	10.42	---	10.21	8.80	9.55	11.10	12.23
8	10.84	10.34	9.79	9.39	10.01	10.56	---	10.01	8.68	9.72	11.03	12.09
9	10.81	9.85	9.79	9.71	10.15	10.36	9.90	9.69	8.87	9.65	11.21	12.24
10	10.81	10.14	9.92	9.72	---	10.26	9.71	10.17	9.25	9.21	11.14	12.23
11	10.66	10.04	10.05	9.58	---	10.40	9.99	9.82	9.33	9.12	10.84	12.06
12	10.79	9.92	9.99	9.83	---	10.47	10.56	9.52	9.33	9.44	11.22	12.03
13	10.91	10.16	9.92	9.74	10.41	10.35	10.56	9.11	9.27	9.39	11.29	12.21
14	10.77	9.91	10.09	9.62	10.38	10.21	10.38	9.14	9.76	9.37	11.34	12.04
15	10.62	9.89	10.13	9.90	10.52	10.51	10.39	8.97	9.61	9.56	11.63	12.38
16	10.75	9.94	10.11	9.93	10.46	10.54	10.43	8.92	9.51	9.59	11.67	12.31
17	10.74	10.13	10.08	9.90	10.46	10.47	10.35	9.17	9.71	9.46	11.53	12.14
18	10.61	9.98	10.07	10.21	10.10	10.52	10.10	9.13	9.75	10.08	11.42	12.00
19	10.33	10.25	10.17	10.30	10.36	10.50	10.30	9.00	9.34	10.65	11.40	11.56
20	10.61	10.30	10.17	10.30	10.48	10.34	10.18	9.22	9.69	10.73	11.33	11.53
21	10.43	10.39	9.74	9.97	10.41	10.36	10.11	9.33	9.81	10.80	11.18	11.35
22	10.13	10.33	10.01	10.12	10.19	10.36	10.13	9.13	9.65	10.90	10.90	11.42
23	10.39	10.06	10.01	10.21	10.41	10.04	10.16	9.01	9.43	10.92	11.02	11.56
24	10.12	10.07	9.85	10.03	10.45	9.96	10.05	9.13	9.31	10.82	10.84	11.40
25	9.91	9.97	10.02	9.96	10.88	10.22	9.94	8.97	9.31	10.66	10.74	11.40
26	10.25	10.06	10.03	10.23	11.01	10.10	10.04	8.69	9.12	10.81	11.19	12.06
27	10.36	10.23	9.77	10.18	10.92	10.01	9.99	8.83	9.31	10.78	11.32	12.29
28	10.34	10.28	9.71	10.09	10.72	10.00	9.71	8.97	9.34	10.71	11.01	12.19
29	10.42	10.15	9.93	10.33	10.53	10.13	9.88	8.66	9.27	10.92	11.04	12.09
30	10.52	9.74	9.82	10.45	---	10.05	9.93	8.72	9.64	11.02	11.16	12.01
31	10.32	---	9.66	10.43	---	9.91	---	8.89	---	10.73	10.79	---
MAX	11.18	10.55	10.17	10.45	---	10.79	---	10.33	9.81	11.02	11.67	12.38

CAL YR 2003 MAX 12.06



WELL NUMBER.--280907082424802. Tarpon Road Shallow Well near Tarpon Springs, FL.

LOCATION.--Lat 28° 09'07", long 82° 42'48" (1927 North American datum), in SW 1/4 NW 1/4 sec.9, T.27 S., R.16 E., Hydrologic Unit 03100207, 25 ft north of State Highway 582, and 2.6 mi east of Tarpon Springs.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 12 ft, cased to 10 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 21.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

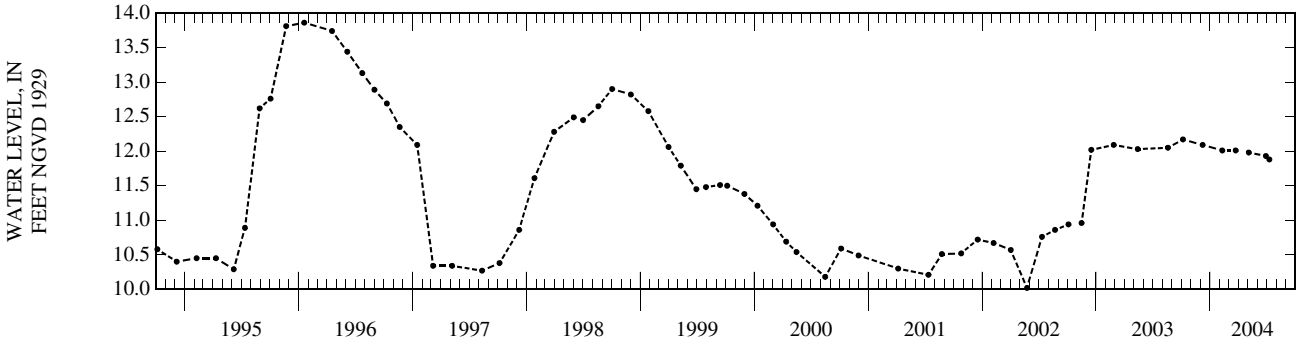
PERIOD OF RECORD.--November 1965 to current year (periodic). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.93 ft NGVD, Sept. 15, 1971; well observed dry at times some years.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	12.17	FEB 09	12.01	MAY 04	11.98	JUL 09	11.88
DEC 08	12.09	MAR 23	12.01	JUN 28	11.93		

WATER YEAR 2004 LOWEST 11.88 JUL 09, 2004 HIGHEST 12.17 OCT 06, 2003



WELL NUMBER.--281022082400201. Eldridge-Wilde Deep Well N3 near Tarpon Springs, FL.

LOCATION.--Lat 28° 10'22", long 82° 40'02" (1927 North American datum), in NW 1/4 NW 1/4 sec.1, T.27 S., R.16 E., Hydrologic Unit 03100207, 2.4 mi northeast of intersection State Highway 582 and East Lake Road, and 4.8 mi east of Tarpon Springs.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 350 ft, cased to 100 ft.

INSTRUMENTATION.--Water-stage and tipping bucket raingage recorders--60-minute interval.

DATUM.--Land-surface datum is 28.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.10 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby wells. Collection, computation and publication of precipitation data do not necessarily conform to standards used by the National Weather Service.

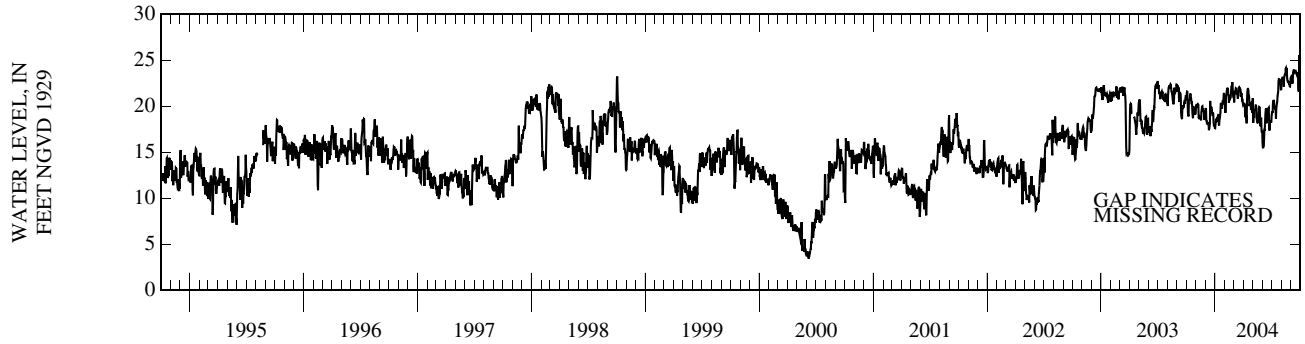
PERIOD OF RECORD.--July 1977 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.55 ft NGVD, Sept. 27, 2004; lowest, 3.44 ft NGVD, June 7, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.83	19.99	19.11	17.61	21.04	20.93	20.15	20.78	16.08	19.21	22.64	22.92
2	21.41	20.15	19.81	18.00	20.84	20.41	20.28	18.19	15.55	19.41	22.95	23.01
3	21.57	20.15	19.65	18.52	19.27	21.25	20.28	19.56	15.43	19.26	23.04	22.92
4	21.55	19.90	18.44	18.57	20.44	21.52	20.26	19.26	15.64	20.28	23.00	22.73
5	20.25	19.92	18.39	18.35	20.97	21.61	20.18	18.74	15.70	20.59	23.05	22.45
6	19.16	20.11	18.04	18.38	21.24	21.67	19.26	19.38	16.61	20.58	22.98	22.79
7	19.00	20.20	18.18	18.47	21.47	21.94	18.79	19.64	17.45	20.49	22.34	23.62
8	18.88	20.15	18.19	18.57	21.84	21.91	19.02	19.54	17.45	20.51	22.13	23.81
9	20.52	18.70	18.16	18.63	21.93	21.51	19.01	19.70	18.19	19.75	23.02	23.88
10	20.68	18.76	18.08	18.90	21.92	21.29	18.72	20.09	19.12	19.97	23.25	23.87
11	20.75	18.71	18.11	19.04	21.86	21.43	18.13	20.09	19.58	19.69	23.41	23.78
12	20.91	18.58	17.39	19.03	21.17	21.42	20.57	19.85	19.75	19.65	23.46	23.72
13	21.30	18.80	17.50	18.00	21.27	21.11	21.47	18.75	18.26	19.62	23.50	23.84
14	21.30	18.74	17.84	17.91	20.38	20.79	21.81	18.49	18.13	18.64	24.07	23.85
15	20.96	18.69	18.10	18.55	20.68	21.27	21.96	18.27	18.33	19.67	24.12	23.85
16	20.78	18.64	20.56	18.71	21.07	21.89	21.83	18.20	19.17	20.09	23.62	23.74
17	20.36	18.46	19.47	18.99	20.83	22.03	21.29	18.23	19.79	20.27	24.16	23.58
18	20.38	19.36	19.30	19.32	20.79	22.07	21.18	18.45	19.54	20.50	23.74	23.49
19	20.09	19.57	19.83	20.25	20.85	21.98	21.08	18.84	19.42	21.08	23.03	23.39
20	19.29	19.94	19.93	20.35	20.93	21.55	19.99	19.71	19.79	21.34	22.77	23.50
21	18.87	19.98	19.51	19.95	21.56	21.87	20.23	19.90	19.83	21.54	22.67	23.36
22	18.69	19.35	19.50	20.13	22.07	21.81	20.14	19.88	18.88	22.72	22.65	23.55
23	19.59	19.65	19.20	19.76	22.14	21.05	20.31	19.80	17.35	22.91	22.58	23.58
24	19.96	19.59	19.25	20.22	22.23	21.25	20.33	18.57	17.68	22.90	22.53	22.29
25	19.84	19.46	19.24	20.52	22.62	21.37	19.59	17.82	18.28	22.87	22.65	21.59
26	19.78	19.35	19.22	20.49	22.25	21.31	20.37	18.49	18.28	22.86	22.44	24.31
27	19.79	18.70	18.26	20.21	21.42	20.68	20.42	18.66	18.31	22.79	22.15	25.55
28	19.72	18.50	17.94	21.15	21.00	20.71	19.47	18.66	18.32	22.69	22.13	25.43
29	19.09	18.98	17.94	21.44	20.97	20.71	19.26	17.36	18.22	22.30	22.54	24.21
30	19.17	19.11	17.84	21.23	---	20.32	20.77	17.11	18.98	21.82	23.05	24.27
31	19.55	---	17.64	20.76	---	20.10	---	17.37	---	21.74	23.13	---
MAX	21.57	20.20	20.56	21.44	22.62	22.07	21.96	20.78	19.83	22.91	24.16	25.55
*PREC	1.15	1.62	1.35	4.76	4.40	0.78	3.23	1.22	5.09	12.54	11.45	11.42

WTR YR 2004 MAX 25.55



PINELLAS COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
273655082440901	FT DESOTO PARK NEAR PASS-A-GRILLE BEACH FL	20040517	10.58	NGVD29
		20040922	12.31	NGVD29
274614082425205	BEAR CREEK B5 INJECTION MON 300 WELL NR ST PETE FL	20040520	9.08	NGVD29
		20040922	11.26	NGVD29
274624082383701	7462382437 MIRROR LAKE CTY WELL NEAR GULFPORT FL	20040518	8.60	NGVD29
		20040922	11.20	NGVD29
274848082461201	WAR VETS MEM PK DEEP WELL 1 NEAR MEDEIRA BEACH FL	20040517	5.63	NGVD29
		20040922	6.81	NGVD29
274859082390701	ROBERTS COMM CTR DEEP NEAR LEALMAN FL	20040517	5.79	NGVD29
		20040921	8.17	NGVD29
274904082423601	NO 749242344114 NEAR LEALMAN FL	20040517	8.93	NGVD29
		20040922	10.84	NGVD29
274929082443504	SOUTH CROSS BAYOU A4 AT ST PETERSBURG FL	20040519	14.59	NGVD29
274937082480801	TIDES GOLF DEEP WELL NEAR PINELLAS PARK FL	20040517	6.18	NGVD29
		20040924	7.69	NGVD29
275121082412601	TAMERAK DEEP WELL NEAR PINELLAS PARK FL	20040520	5.53	NGVD29
		20040922	7.31	NGVD29
275241082503901	MK C1 NEAR INDIAN ROCKS BEACH FL	20040521	7.63	NGVD29
		20040924	8.25	NGVD29
275458082464001	ROMP TR 13-1 OCALA WELL NEAR LARGO FL	20040520	-1.60	NGVD29
		20040922	-.27	NGVD29
275521082444301	ST CATHERINE DEEP WELL NEAR HIGH POINT FL	20040520	4.31	NGVD29
		20040922	5.65	NGVD29
275604082431701	COVE CAY DEEP WELL NEAR HIGH POINT FL	20040520	4.58	NGVD29
		20040922	5.97	NGVD29
275753082435301	CLE-DUN DEEP WELL 31 NEAR CLEARWATER FL	20040518	3.79	NGVD29
		20040921	5.04	NGVD29
275842082430301	MISSION HILLS NEAR SAFETY HARBOR FL	20040518	10.63	NGVD29
		20040921	12.12	NGVD29
275949082442401	SYL ABBEY DEEP WELL 3 NR SAFETY HARBOR FL	20040520	19.01	NGVD29
280002082412602	ROMP TR 14-1 TAMPA WELL NEAR SAFETY HARBOR FL	20040518	7.55	NGVD29
		20040921	9.84	NGVD29
280129082445501	SWFWMD 6 IN TEST WELL 1 AT DUNEDIN FL	20040518	4.83	NGVD29
		20040921	6.87	NGVD29
280134082454801	DUNEDIN 10A AT DUNEDIN FL	20040518	3.13	NGVD29
		20040921	6.44	NGVD29
280254082441602	CLE-DUN DEEP WELL 17 NEAR DUNEDIN FL	20040521	22.70	NGVD29
280446082390701	EAST LAKE DEEP WELL 17 NEAR TARPOPN SPRINGS FL	20040519	15.45	NGVD29
		20040920	17.81	NGVD29

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 2003 TO SEPTEMBER 2004

PINELLAS COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
280546082390701	EAST LAKE DEEP WELL 14 NEAR OLDSMAR FL	20040519	16.71	NGVD29
		20040920	20.18	NGVD29
280632082455001	NW PINELLAS MTR DEEP NEAR TARPON SPRINGS FL	20040519	2.21	NGVD29
		20040920	3.90	NGVD29
280747082452001	ROMP TR 15-2 DEEP WELL NEAR TARPON SPRINGS FL	20040519	2.85	NGVD29
		20040920	4.43	NGVD29
280753082465201	ROMP TR 15-1 DEEP WELL NEAR TARPON SPRINGS FL	20040519	2.33	NGVD29
		20040920	3.33	NGVD29
280852082414301	NORTH LAKE TARPON NEAR TARPON SPRINGS FL	20040519	12.27	NGVD29
		20040920	15.15	NGVD29
280856082401201	ELDRIDGE-WILDE 2S NEAR TARPON SPRINGS FL	20040524	18.44	NGVD29
		20040921	21.90	NGVD29
280942082390601	PINELLAS SHALLOW WELL N1A NEAR TARPON SPRINGS FL	20040519	19.09	NGVD29
		20040920	23.29	NGVD29

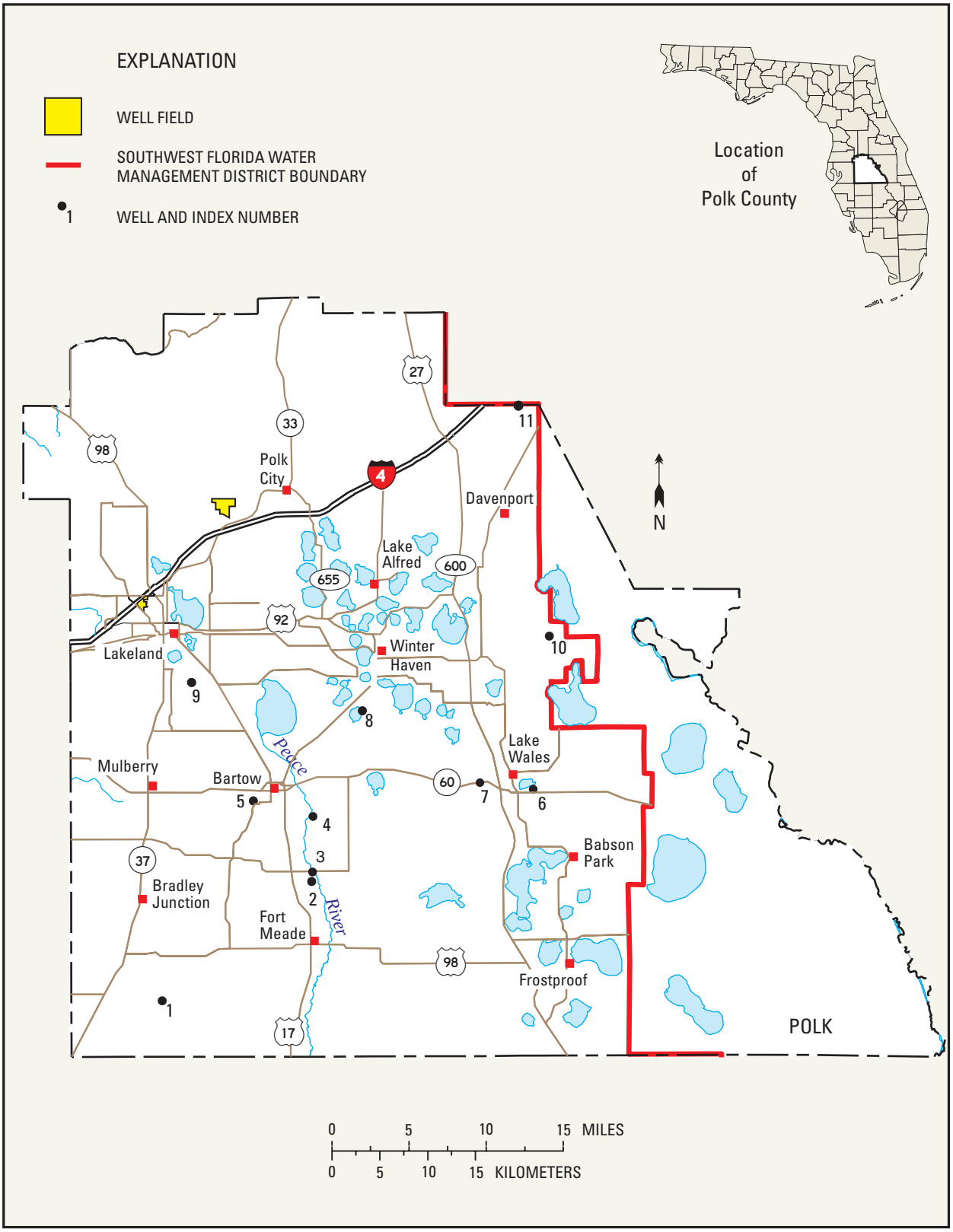


Figure 21.-- Location of wells in Polk County.

KEY TO SITE LOCATIONS ON FIGURE 21

POLK COUNTY

INDEX NUMBER	SITE NUMBER
1	274155081573201
2	274841081480901
3	274908081480901
4	275220081480101
5	275314081514201
5	275314081514202
5	275314081514203
6	275348081335701
6	275348081335703
7	275411081372001
7	275411081372002
7	275411081372003
8	275815081444201
9	275959081552501
10	280229081325201
11	281532081345001
11	281532081345002

POLK COUNTY

WELL NUMBER.--274155081573201. Fort Green Springs Road Well near Bradley Junction, FL.

LOCATION.--Lat 27° 41'55", long 81° 57'32" (1927 North American datum), in SE 1/4 SE 1/4 sec.13, T.32 S., R.23 E., Hydrologic Unit 03100101, 3.0 mi south of Brewster on Fort Green Springs Road, and 3.0 mi south of Bradley Junction.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 302 ft, cased to 280 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 134.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of aluminum plate, 0.16 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby industrial wells.

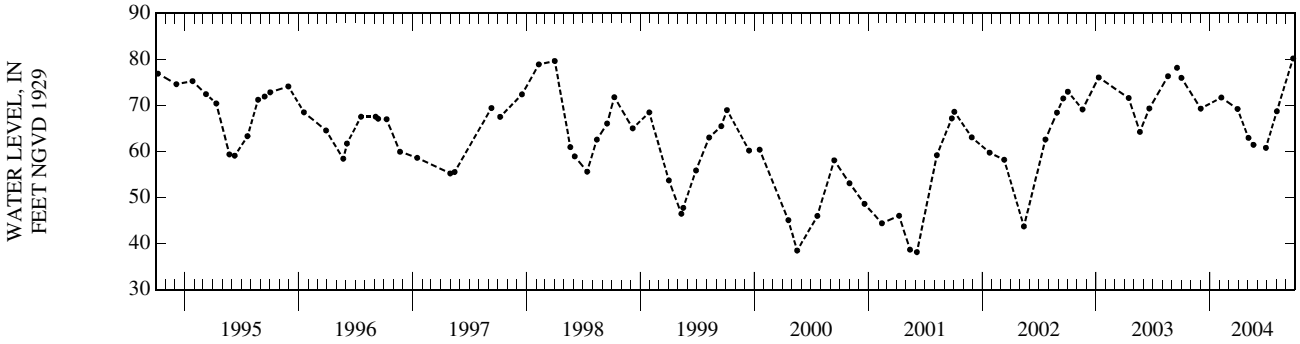
PERIOD OF RECORD.--August 1964 to current year (periodic). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.21 ft NGVD, Sept. 23, 2004; lowest measured, 25.76 ft NGVD, May 14, 1975.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	75.99	FEB 06	71.72	MAY 03	62.96	JUN 28	60.80	SEP 23	80.21
DEC 02	69.31	MAR 29	69.24	19	61.46	AUG 02	68.73		

WATER YEAR 2004 LOWEST 60.80 JUN 28, 2004 HIGHEST 80.21 SEP 23, 2004



WELL NUMBER.--274841081480901. Homeland No 9 Well near Homeland, FL.

LOCATION.--Lat 27° 48'41", long 81° 48'09" (1927 North American datum), in NE 1/4 NE 1/4 sec.3, T.31 S., R.25 E., Hydrologic Unit 03100101, 0.6 mi south of State Highway 640, 1.5 mi east of U.S. Highway 17/98, and 2.0 mi southeast of Homeland.

AQUIFER.--Floridan aquifer system of the Tertiary System, Eocene Age, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in., depth 746 ft, casing unknown.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 104.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.75 ft above land-surface datum.

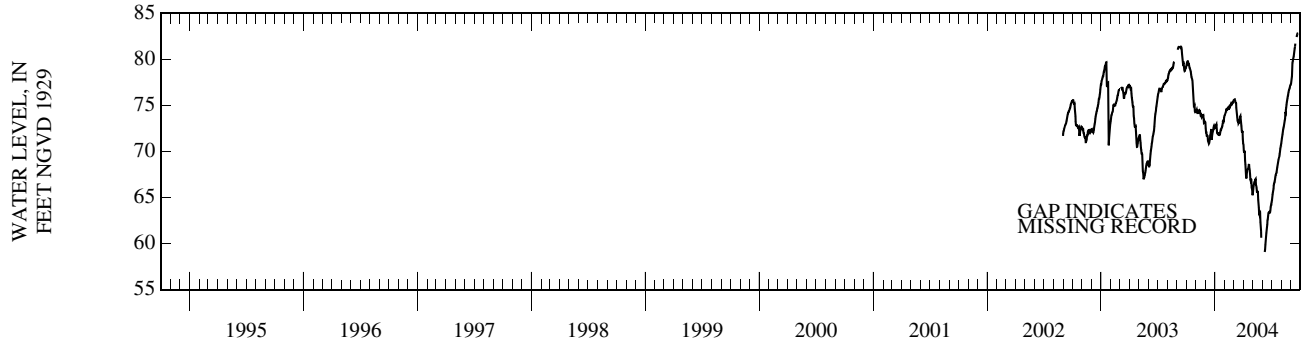
REMARKS.--Water level affected by pumping of nearby wells.

PERIOD OF RECORD.--October 2002 to current year.

EXTREMES FOR CURRENT YEAR.--Highest daily maximum water level, 82.80 ft NGVD, Sept. 21, 2004; lowest, 59.08 ft NGVD, June 8, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79.37	74.35	73.13	72.55	73.95	75.59	70.77	65.50	---	64.70	71.12	77.60
2	79.51	74.45	72.53	72.62	74.01	75.62	70.13	65.90	---	65.00	71.41	77.86
3	79.64	74.53	72.10	72.71	74.12	75.63	69.85	66.22	---	65.33	71.63	78.16
4	79.71	74.30	72.10	72.87	74.22	75.64	70.00	66.44	---	65.57	71.85	78.76
5	79.79	74.18	71.74	72.94	74.39	75.51	69.99	66.58	---	65.76	72.14	79.63
6	79.79	74.19	71.73	72.47	74.59	75.33	69.00	66.69	---	65.96	72.39	79.77
7	79.58	74.35	71.70	72.04	74.60	75.28	68.60	66.74	---	66.30	72.57	80.02
8	79.45	74.43	71.69	71.98	74.46	75.24	68.06	66.80	59.08	66.51	72.70	80.18
9	79.47	74.43	71.17	71.96	74.62	74.76	67.36	66.98	59.35	66.59	72.91	80.34
10	79.28	74.47	71.09	71.92	74.70	74.41	67.08	67.02	59.88	66.76	73.14	80.62
11	79.08	74.37	71.00	71.95	74.75	74.04	67.48	66.40	60.30	66.95	73.36	80.89
12	79.03	74.43	70.84	71.96	74.67	73.74	67.79	66.29	60.70	67.22	73.55	81.16
13	78.93	74.43	70.92	71.72	74.53	73.35	67.95	66.01	61.15	67.43	74.28	81.40
14	78.79	74.27	71.18	71.81	74.76	73.28	68.07	65.62	61.48	67.52	74.21	81.73
15	78.64	74.07	71.30	71.85	74.84	73.31	68.11	65.61	61.82	67.61	74.50	---
16	78.34	74.11	71.74	71.85	74.76	73.06	68.17	65.67	62.10	67.77	74.76	---
17	78.08	74.08	71.86	71.99	74.76	73.13	68.36	65.64	62.52	68.01	75.08	---
18	78.00	73.82	72.13	72.21	74.88	73.22	68.55	64.76	62.66	68.27	75.35	82.43
19	77.89	73.73	72.31	72.37	74.99	73.32	68.64	64.32	63.01	68.50	75.57	82.57
20	77.75	73.84	72.43	72.37	75.06	73.52	68.16	63.92	63.29	68.71	75.77	82.73
21	77.03	73.88	71.26	72.45	75.15	73.76	67.96	63.16	63.39	68.90	76.00	82.80
22	76.47	73.92	71.55	72.61	75.08	73.84	67.56	63.10	63.45	69.11	76.16	82.78
23	76.13	73.92	71.88	72.65	75.08	73.48	66.99	63.29	63.44	69.24	76.39	---
24	75.60	73.94	72.07	72.81	75.16	73.12	66.85	63.35	63.36	69.35	76.57	---
25	75.01	73.51	72.16	73.03	75.33	72.77	66.95	62.33	63.37	69.53	76.68	---
26	75.07	73.13	72.34	73.18	75.35	72.30	66.93	61.86	63.59	69.70	76.77	---
27	75.11	73.16	72.56	73.29	75.32	72.04	66.08	61.37	63.95	69.96	76.91	---
28	74.39	73.28	72.76	73.26	75.36	72.21	65.96	60.63	64.16	70.27	77.09	---
29	74.27	73.21	72.83	73.48	75.55	72.24	65.73	---	64.34	70.50	77.20	---
30	74.28	73.19	72.75	73.69	---	71.35	65.26	---	64.52	70.68	77.26	---
31	74.30	---	72.54	73.85	---	70.89	---	---	---	70.86	77.33	---
MAX	79.79	74.53	73.13	73.85	75.55	75.64	70.77	---	---	70.86	77.33	---



WELL NUMBER.--274908081480901. Homeland No 4 Well near Homeland, FL.

LOCATION.--Lat 27° 49'10", long 81° 48'04" (1927 North American datum), in NE 1/4 NW 1/4 sec.3, T.30 S., R.25 E., Hydrologic Unit 03100101, 0.1 mi south of State Highway 640, 1.5 mi east of U.S. Highway 17/98, and 2.0 mi east of Homeland.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 202 ft, cased to 56 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 103.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 1.57 ft above land-surface datum.

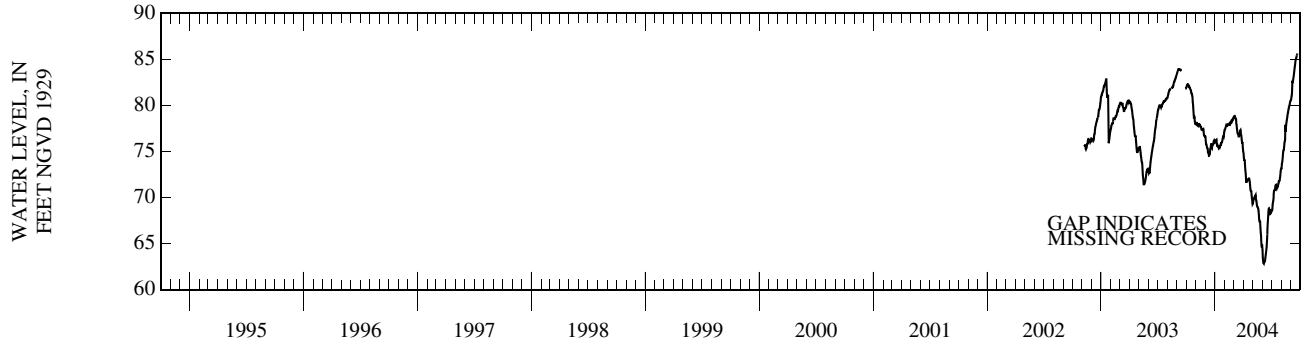
REMARKS.--Water level affected by pumping of nearby wells.

PERIOD OF RECORD.--November 2002 to current year.

EXTREMES FOR CURRENT YEAR.--Highest daily maximum water level, 85.65 ft NGVD, Sept. 21, 2004; lowest, 62.84 ft NGVD, June 5, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82.01	78.00	76.65	76.00	77.33	78.78	74.93	69.36	64.33	68.56	73.17	80.80
2	82.10	78.08	76.19	76.08	77.39	78.83	74.43	69.60	63.45	68.63	73.65	81.03
3	82.20	78.19	75.82	76.10	77.51	78.84	74.09	69.69	63.08	69.17	73.83	81.28
4	82.26	77.94	75.79	76.24	77.62	78.86	74.09	69.81	62.89	69.43	74.07	81.76
5	82.31	77.84	75.60	76.29	77.77	78.76	74.04	69.99	62.84	69.64	74.55	82.70
6	82.31	77.81	75.48	75.93	77.92	78.62	73.38	70.03	63.01	69.89	74.98	82.43
7	82.21	77.92	75.38	75.63	77.89	78.52	72.93	70.05	63.08	70.44	75.13	82.74
8	82.11	77.95	75.35	75.62	77.69	78.48	72.60	70.10	63.06	70.72	75.19	82.97
9	82.14	77.93	74.94	75.67	77.83	78.06	71.99	70.19	63.16	70.76	75.48	83.20
10	82.06	77.95	74.88	75.63	77.93	77.91	71.60	70.25	63.49	70.84	75.91	83.51
11	81.93	77.87	74.82	75.51	77.95	77.49	71.71	69.84	63.76	70.84	76.11	83.83
12	81.91	77.93	74.55	75.49	77.92	77.24	71.85	69.67	64.04	71.16	76.25	84.12
13	81.83	77.94	74.57	75.36	77.80	77.02	71.93	69.51	64.36	71.35	77.89	84.36
14	81.73	77.84	74.80	75.42	77.99	76.92	71.92	69.16	64.67	71.38	77.15	84.67
15	81.66	77.69	74.81	75.49	78.04	76.92	71.91	69.04	65.35	71.23	77.49	84.98
16	81.47	77.68	75.23	75.43	77.92	76.71	71.90	69.00	66.00	71.10	77.93	85.03
17	81.30	77.67	75.34	75.53	77.90	76.75	71.90	68.94	66.72	70.96	78.19	85.18
18	81.26	77.41	75.59	75.71	77.95	76.70	72.06	68.84	67.32	71.04	78.44	85.33
19	81.12	77.41	75.76	75.82	78.11	76.81	72.14	68.57	67.94	71.13	78.64	85.44
20	80.98	77.40	75.86	75.77	78.16	77.04	71.91	68.21	68.46	71.19	78.89	85.56
21	80.39	77.36	75.39	75.86	78.23	77.27	71.74	67.63	68.82	71.42	79.15	85.65
22	80.06	77.40	75.35	75.99	78.16	77.32	71.42	67.41	68.84	71.56	79.32	---
23	79.74	77.40	75.61	76.02	78.15	77.07	70.93	67.40	68.72	71.78	79.53	---
24	79.28	77.43	75.73	76.21	78.28	76.83	70.74	67.39	68.36	71.78	79.69	---
25	78.71	77.15	75.73	76.39	78.47	76.67	70.71	66.70	68.25	71.81	79.82	---
26	78.71	76.80	75.83	76.56	78.50	76.24	70.69	66.21	68.31	71.84	79.95	---
27	78.73	76.67	75.99	76.63	78.45	75.98	70.20	65.82	68.31	72.11	80.12	---
28	78.24	76.79	76.18	76.58	78.52	76.01	69.90	65.29	68.59	72.36	80.35	---
29	78.02	76.65	76.23	76.82	78.72	76.04	69.67	64.73	68.61	72.77	80.44	---
30	77.96	76.67	76.13	77.08	---	75.43	69.30	64.75	68.62	73.05	80.51	---
31	77.97	---	75.97	77.24	---	75.05	---	64.76	---	73.18	80.59	---
MAX	82.31	78.19	76.65	77.24	78.72	78.86	74.93	70.25	68.84	73.18	80.59	---



WELL NUMBER.--275220081480101. Clear Springs Development 6-In IAS Well near Bartow, FL.

LOCATION.--Lat 27° 52'20", long 81° 48'01" (1927 North American datum), in SE 1/4 SW 1/4 sec.15, T.30 S., R.25 E., Hydrologic Unit 03100101, 1.5 mi southeast of Bartow, 2.0 mi east of U.S. Highway 17/98, and 2.5 mi south of State Highway 60.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 153 ft, casing unknown.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 95.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.76 ft above land-surface datum.

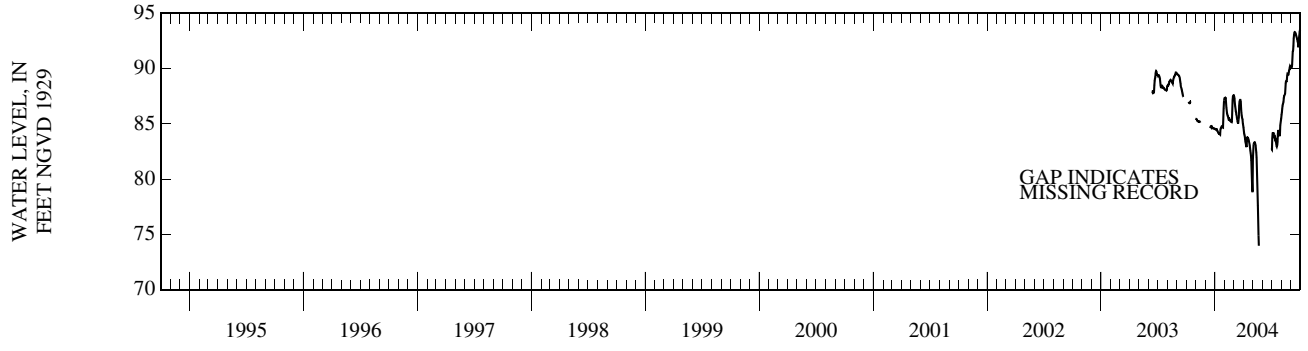
REMARKS.--Water level may be in direct connection with the Peace River.

PERIOD OF RECORD.--June 2003 to current year.

EXTREMES FOR CURRENT YEAR.--Highest daily maximum water level, 93.54 ft NGVD, Sept. 30, 2004; lowest, 73.97 ft NGVD, May 20, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	85.45	---	84.53	87.35	87.60	84.67	81.88	---	82.67	85.82	90.02
2	---	85.43	---	84.52	87.34	87.49	84.39	82.54	---	83.71	86.03	90.16
3	---	85.42	---	84.49	87.37	87.26	84.15	83.11	---	84.13	86.36	90.22
4	---	85.34	---	84.48	87.35	86.88	84.01	83.23	---	84.13	86.63	90.38
5	---	85.28	---	84.53	86.97	86.61	83.90	83.29	---	84.16	86.77	90.98
6	---	85.26	---	84.52	86.51	86.39	83.63	83.33	---	84.16	86.88	91.54
7	86.86	85.25	---	84.41	86.26	86.17	83.39	83.33	---	84.09	87.00	91.62
8	86.88	85.20	---	84.37	85.99	86.04	83.28	83.31	---	83.93	87.32	92.05
9	86.92	85.21	---	84.33	85.86	85.88	83.07	83.21	---	83.81	87.51	92.75
10	86.92	85.24	---	84.29	85.74	85.78	82.97	83.02	---	83.73	87.57	93.05
11	86.91	85.23	---	84.21	85.68	85.56	82.90	82.74	---	83.63	87.63	93.23
12	86.89	85.22	---	84.18	85.56	85.43	83.76	82.42	---	83.71	87.71	93.30
13	86.92	85.20	---	84.13	85.43	85.22	83.78	81.94	---	83.58	88.18	93.29
14	87.01	85.16	---	84.14	85.46	85.11	83.77	80.47	---	83.38	88.67	93.26
15	87.02	85.12	---	84.11	85.48	85.03	83.74	79.10	---	83.18	88.81	93.19
16	---	---	84.62	84.06	85.36	85.37	83.69	78.24	---	83.01	88.85	93.08
17	---	---	84.70	84.03	85.32	85.58	83.60	77.60	---	82.93	88.78	92.96
18	---	---	84.78	84.48	85.29	86.64	83.48	76.29	---	83.03	88.98	92.88
19	---	---	84.82	84.59	85.30	86.98	83.38	74.92	---	83.38	89.33	92.78
20	---	---	84.81	84.65	85.29	87.10	83.22	73.97	---	84.11	89.54	92.64
21	---	---	84.68	84.70	85.24	87.17	83.06	---	---	84.45	89.52	92.49
22	---	---	84.63	84.75	85.18	87.17	82.81	---	---	84.34	89.47	92.37
23	---	---	84.66	84.72	85.16	87.07	82.57	---	---	84.06	89.47	92.25
24	---	---	84.65	84.71	85.35	86.43	82.37	---	---	83.99	89.63	91.99
25	---	---	84.61	84.69	86.29	86.00	82.10	---	---	83.95	89.83	91.93
26	---	---	84.60	84.67	87.16	85.75	81.66	---	---	83.89	89.89	92.76
27	---	---	84.60	85.32	87.46	85.58	80.67	---	---	84.08	90.11	93.01
28	---	---	84.59	86.39	87.55	85.49	79.67	---	---	84.87	90.23	93.30
29	---	---	84.60	86.96	87.59	85.39	78.91	---	82.70	85.08	90.17	93.50
30	85.48	---	84.58	87.13	---	85.06	78.91	---	82.72	85.29	90.09	93.54
31	85.47	---	84.54	87.29	---	84.87	---	---	---	85.53	90.13	---
MAX	---	---	---	87.29	87.59	87.60	84.67	---	---	85.53	90.23	93.54



WELL NUMBER.--275314081514201. ROMP 59 Avon Park Well at Bartow, FL.

LOCATION.--Lat 27° 53'14", long 81° 51'42" (1927 North American datum), in SE 1/4 NE 1/4 sec.12, T.30 S., R.24 E., Hydrologic Unit 03100101, 950 ft west of State Highway 555, 0.6 mi south of State Highway 60, and 0.8 mi west of Bartow.

AQUIFER.--Avon Park formation of Eocene Age, Geologic Unit 124AVPK.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in., depth 1,050 ft, cased to 200 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 117.41 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 4.39 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby wells.

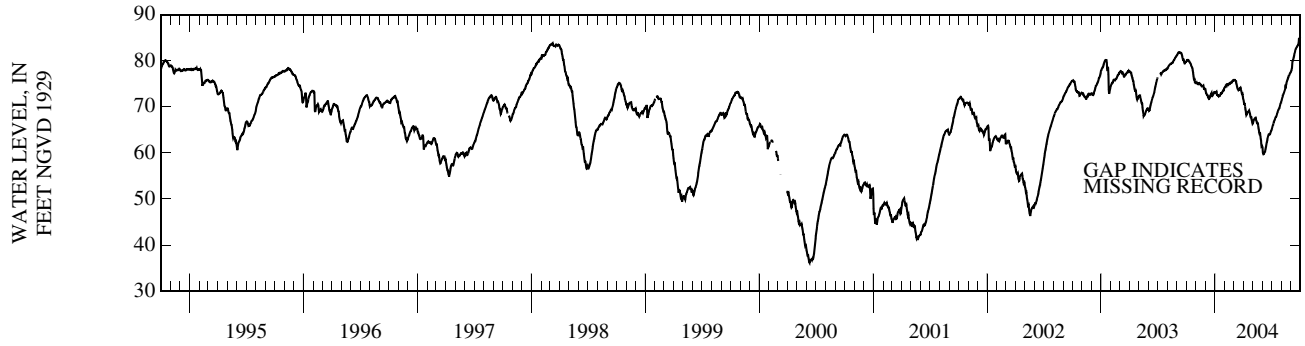
PERIOD OF RECORD.--February 1977 to current year. Prior to October 1979, published as Bartow Avon Park Well at Bartow.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 85.19 ft NGVD, Sept. 30, 2004; lowest, 33.33 ft NGVD, May 16, 1981.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79.91	75.18	73.87	72.98	74.22	75.83	71.58	66.43	61.28	65.20	71.34	77.81
2	80.01	75.20	73.39	73.07	74.27	75.85	71.16	66.76	60.10	65.50	71.60	78.10
3	80.13	75.28	73.00	73.13	74.39	75.85	70.70	67.03	59.85	65.76	71.82	78.34
4	80.16	75.08	72.95	73.25	74.47	75.85	70.73	67.19	59.69	65.98	72.02	78.90
5	80.19	74.98	72.75	73.31	74.64	75.76	70.68	67.31	59.72	66.17	72.32	79.83
6	80.20	74.94	72.62	72.96	74.77	75.61	70.04	67.37	59.94	66.36	72.55	79.97
7	80.06	75.05	72.56	72.59	74.80	75.54	69.54	67.39	60.03	66.65	72.75	80.16
8	80.05	75.13	72.52	72.56	74.65	75.50	69.18	67.50	60.14	66.83	72.89	80.44
9	80.01	75.14	72.12	72.55	74.85	75.12	68.56	67.57	60.25	66.95	73.09	80.70
10	79.87	75.16	72.03	72.47	74.89	74.94	68.20	67.63	60.70	67.10	73.32	81.03
11	79.70	75.06	71.91	72.43	74.96	74.54	68.34	67.28	61.04	67.25	73.51	81.36
12	79.64	75.11	71.73	72.42	74.93	74.24	68.56	67.09	61.37	67.51	73.72	81.63
13	79.54	75.03	71.76	72.27	74.83	73.93	68.70	66.89	61.78	67.74	74.42	81.91
14	79.42	74.90	71.96	72.33	75.01	73.84	68.79	66.54	62.18	67.81	74.34	82.26
15	79.29	74.81	72.04	72.38	75.08	73.79	68.84	66.44	62.48	67.91	74.55	82.46
16	79.01	74.80	72.37	72.37	75.00	73.64	68.89	66.46	62.77	68.04	74.83	82.62
17	78.81	74.78	72.48	72.46	74.97	73.68	69.01	66.43	63.06	68.28	75.18	82.76
18	78.71	74.58	72.65	72.67	75.05	73.69	69.12	65.85	63.30	68.53	75.40	82.91
19	78.59	74.45	72.79	72.85	75.22	73.84	69.21	65.35	63.56	68.78	75.63	83.01
20	78.42	74.49	72.92	72.82	75.27	73.97	68.92	65.00	63.80	68.98	75.83	83.17
21	77.87	74.49	72.57	72.85	75.31	74.12	68.75	64.48	64.00	69.17	76.08	83.30
22	77.44	74.54	72.13	72.99	75.26	74.19	68.45	64.17	64.03	69.34	76.24	83.34
23	77.10	74.58	72.40	73.01	75.26	73.90	67.99	64.23	64.04	69.49	76.51	83.47
24	76.60	74.62	72.57	73.17	75.38	73.65	67.74	64.22	64.02	69.62	76.67	83.59
25	76.05	74.29	72.63	73.30	75.60	73.40	67.75	63.55	64.03	69.75	76.83	83.92
26	75.95	73.92	72.76	73.47	75.67	73.03	67.74	63.02	64.22	69.91	76.92	84.93
27	75.98	73.86	72.96	73.60	75.60	72.74	67.23	62.66	64.45	70.14	77.08	84.70
28	75.44	73.96	73.15	73.57	75.62	72.77	66.94	62.03	64.65	70.42	77.28	84.89
29	75.25	73.89	73.21	73.73	75.75	72.79	66.62	61.40	64.81	70.68	77.42	85.07
30	75.17	73.89	73.17	73.93	---	72.17	66.34	61.45	64.99	70.85	77.47	85.19
31	75.15	---	72.96	74.09	---	71.79	---	61.49	---	71.05	77.59	---
MAX	80.20	75.28	73.87	74.09	75.75	75.85	71.58	67.63	64.99	71.05	77.59	85.19

WTR YR 2004 MAX 85.19



WELL NUMBER.--275314081514202. ROMP 59 Hawthorn Well at Bartow, FL.

LOCATION.--Lat 27° 53'14", long 81° 51'42" (1927 North American datum), in SE 1/4 NE 1/4 sec.12, T.30 S., R.24 E., Hydrologic Unit 0310010l, 930 ft west of State Highway 555, 0.6 mi south of State Highway 60, and 0.8 mi west of Bartow.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 142 ft, cased to 122 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 117.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.00 ft above land-surface datum.

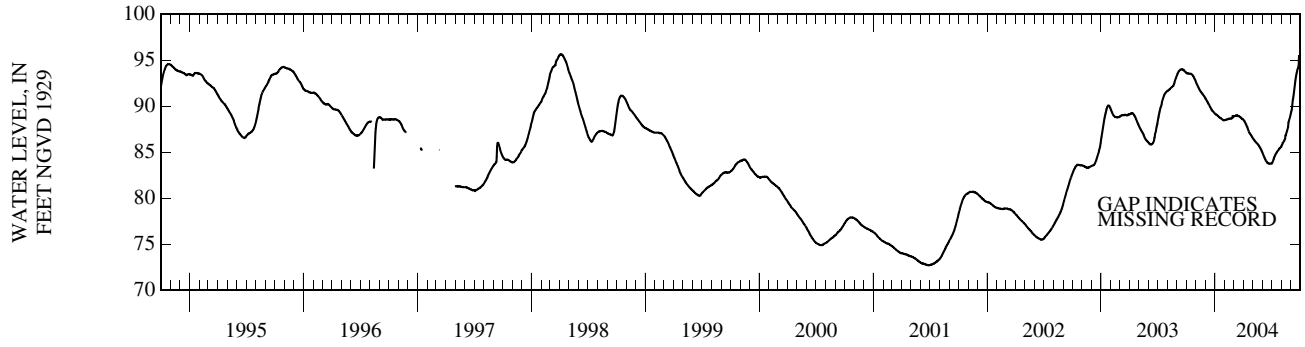
PERIOD OF RECORD.--February 1977 to current year. Prior to October 1979, published as Bartow Hawthorn Well at Bartow.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 95.64 ft NGVD, Apr. 4, 5, 6, 1998; lowest, 72.73 ft NGVD, June 27, 28, 29, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93.60	92.59	90.85	89.17	88.49	88.88	88.52	86.50	84.95	83.80	85.72	89.43
2	93.58	92.50	90.79	89.13	88.50	88.89	88.48	86.46	84.87	83.86	85.78	89.58
3	93.57	92.42	90.73	89.10	88.50	88.90	88.43	86.42	84.79	83.92	85.84	89.71
4	93.57	92.36	90.67	89.08	88.50	88.91	88.39	86.38	84.69	84.00	85.90	89.87
5	93.56	92.28	90.62	89.06	88.51	88.93	88.33	86.33	84.60	84.09	85.98	90.23
6	93.55	92.21	90.57	89.05	88.54	88.94	88.26	86.29	84.53	84.18	86.05	90.65
7	93.55	92.13	90.52	89.03	88.55	88.95	88.18	86.24	84.44	84.27	86.12	90.82
8	93.54	92.06	90.45	88.99	88.55	88.97	88.10	86.20	84.36	84.36	86.18	91.03
9	93.54	91.99	90.36	88.96	88.55	89.00	88.03	86.15	84.27	84.45	86.24	91.28
10	93.53	91.93	90.30	88.95	88.57	89.00	87.95	86.11	84.20	84.52	86.30	91.56
11	93.53	91.86	90.24	88.93	88.58	89.00	87.87	86.07	84.13	84.60	86.37	91.85
12	93.53	91.80	90.18	88.88	88.61	88.99	87.78	86.04	84.08	84.68	86.44	92.14
13	93.53	91.75	90.11	88.83	88.61	88.98	87.71	86.01	84.02	84.76	86.79	92.44
14	93.53	91.70	90.03	88.80	88.64	88.96	87.63	85.98	83.96	84.84	86.83	92.72
15	93.53	91.64	89.98	88.78	88.66	88.93	87.53	85.94	83.92	84.90	86.90	92.96
16	93.51	91.58	89.91	88.76	88.66	88.92	87.44	85.90	83.88	84.96	86.99	93.19
17	93.47	91.53	89.84	88.73	88.66	88.92	87.35	85.86	83.85	85.02	87.09	93.39
18	93.45	91.48	89.79	88.71	88.65	88.92	87.26	85.81	83.82	85.07	87.20	93.57
19	93.42	91.44	89.73	88.70	88.64	88.89	87.18	85.77	83.80	85.12	87.32	93.72
20	93.38	91.41	89.66	88.69	88.64	88.85	87.11	85.72	83.79	85.17	87.46	93.85
21	93.34	91.36	89.60	88.66	88.65	88.82	87.06	85.66	83.78	85.22	87.60	93.97
22	93.30	91.30	89.54	88.62	88.65	88.79	87.02	85.60	83.78	85.27	87.74	94.07
23	93.27	91.24	89.49	88.59	88.66	88.77	86.97	85.54	83.78	85.31	88.24	94.17
24	93.22	91.20	89.47	88.55	88.67	88.73	86.91	85.49	83.77	85.35	88.33	94.26
25	93.15	91.16	89.45	88.52	88.70	88.70	86.86	85.43	83.76	85.38	88.43	94.37
26	93.06	91.13	89.41	88.50	88.91	88.67	86.81	85.37	83.76	85.42	88.55	95.39
27	92.99	91.08	89.37	88.49	88.91	88.64	86.75	85.30	83.76	85.45	88.68	95.39
28	92.93	91.02	89.33	88.49	88.91	88.62	86.70	85.25	83.76	85.49	88.82	95.43
29	92.86	90.97	89.29	88.47	88.89	88.59	86.64	85.18	83.76	85.53	88.97	95.51
30	92.80	90.91	89.25	88.46	---	88.57	86.57	85.10	83.76	85.56	89.13	95.62
31	92.70	---	89.22	88.47	---	88.55	---	85.02	---	85.59	89.28	---
MAX	93.60	92.59	90.85	89.17	88.91	89.00	88.52	86.50	84.95	85.59	89.28	95.62

CAL YR 2003 MAX 94.00
WTR YR 2004 MAX 95.62



WELL NUMBER.--275314081514203. ROMP 59 Upper Hawthorn Well at Bartow, FL.

LOCATION.--Lat 27° 53'14", long 81° 51'42" (1927 North American datum), in SE 1/4 NE 1/4 sec.12, T.30 S., R.24 E., Hydrologic Unit 03100101, 970 ft west of State Highway 555, 0.6 mi south of State Highway 60, and 0.8 mi west of Bartow.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 60 ft, cased to 50 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 118.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.94 ft above land-surface datum.

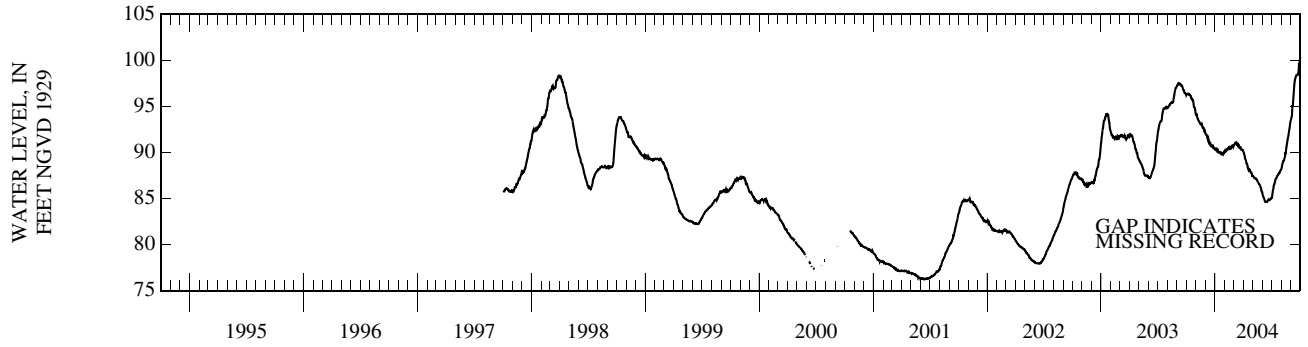
PERIOD OF RECORD.--February 1977 to September 1979; October 1979 to September 1997 (periodic); October 1997 to current year. Prior to October 1979, published as Bartow Upper Hawthorn Well at Bartow.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 100.36 ft NGVD, Sept. 30, 2004; lowest, 75.24 ft NGVD, June 13, 16, 17, 18, 1977.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96.34	94.08	92.09	90.31	90.15	90.78	90.12	87.44	85.50	85.08	88.24	93.70
2	96.38	94.06	92.03	90.37	90.08	90.80	89.96	87.44	85.39	85.34	88.49	93.88
3	96.38	94.10	91.98	90.41	90.08	90.87	89.87	87.40	85.23	85.62	88.63	94.02
4	96.37	93.92	91.92	90.42	90.11	90.98	89.74	87.33	85.16	85.89	88.75	94.36
5	96.36	93.81	91.90	90.43	90.21	91.00	89.60	87.28	85.09	86.04	88.92	95.14
6	96.37	93.67	91.80	90.38	90.35	91.03	89.37	87.22	85.01	86.20	89.04	95.04
7	96.32	93.62	91.61	90.19	90.33	91.07	89.32	87.20	84.90	86.40	89.05	95.66
8	96.28	93.53	91.51	90.23	90.17	91.09	89.21	87.21	84.80	86.50	89.08	96.18
9	96.32	93.45	91.41	90.33	90.32	91.10	89.11	87.21	84.67	86.56	89.18	96.64
10	96.33	93.41	91.50	90.31	90.42	91.09	88.87	87.20	84.66	86.69	89.32	97.05
11	96.28	93.33	91.36	90.04	90.44	90.87	88.78	87.18	84.66	86.84	89.44	97.42
12	96.24	93.30	91.10	89.99	90.46	90.87	88.76	87.12	84.63	86.99	89.57	97.70
13	96.21	93.27	91.03	90.02	90.43	90.84	88.69	87.09	84.62	87.10	90.05	97.91
14	96.19	93.17	91.08	90.07	90.58	90.74	88.42	87.04	84.62	87.18	89.82	98.04
15	96.13	93.11	90.91	90.05	90.60	90.77	88.34	86.99	84.63	87.22	90.11	98.17
16	95.91	93.06	90.89	90.00	90.45	90.84	88.21	86.90	84.66	87.25	90.38	98.25
17	95.90	93.03	90.92	89.96	90.39	90.77	88.13	86.80	84.72	87.32	90.65	98.33
18	95.89	93.05	90.75	90.04	90.40	90.61	88.09	86.77	84.77	87.45	90.85	98.41
19	95.78	93.10	90.75	90.03	90.51	90.50	88.15	86.72	84.84	87.52	91.07	98.42
20	95.69	92.96	90.69	89.90	90.59	90.48	88.19	86.63	84.89	87.54	91.31	98.43
21	95.63	92.77	90.57	89.82	90.60	90.61	88.16	86.59	84.91	87.61	91.52	98.47
22	95.65	92.70	90.67	89.83	90.54	90.60	88.05	86.54	84.88	87.70	91.68	98.46
23	95.56	92.67	90.77	89.79	90.61	90.42	87.95	86.46	84.83	87.75	91.86	98.53
24	95.29	92.70	90.77	89.86	90.74	90.33	87.89	86.41	84.86	87.73	92.10	98.64
25	94.99	92.65	90.60	89.90	90.78	90.33	87.82	86.32	84.90	87.78	92.35	98.92
26	94.93	92.50	90.49	89.93	90.75	90.34	87.81	86.16	84.94	87.84	92.53	99.72
27	94.92	92.38	90.48	89.98	90.69	90.33	87.78	86.11	84.96	87.92	92.76	99.40
28	94.82	92.41	90.47	89.85	90.61	90.31	87.63	85.95	85.01	88.00	93.07	99.83
29	94.69	92.25	90.50	89.93	90.72	90.29	87.38	85.87	85.02	88.07	93.30	100.15
30	94.34	92.12	90.45	90.06	---	90.22	87.47	85.71	85.06	88.10	93.42	100.36
31	94.18	---	90.37	90.09	---	90.20	---	85.69	---	88.14	93.55	---
MAX	96.38	94.10	92.09	90.43	90.78	91.10	90.12	87.44	85.50	88.14	93.55	100.36

CAL YR 2003 MAX 97.54
WTR YR 2004 MAX 100.36



WELL NUMBER.--275348081335701. ROMP 57A Ocala Well near Lake Wales, FL.

LOCATION.--Lat 27° 53'48", long 81° 33'55" (1927 North American datum), in SE 1/4 SE 1/4 sec.1, T.30 S., R.27 E., Hydrologic Unit 03090101, 300 ft west of 11th Street, 0.5 mi north of State Highway 60, and 1.4 mi east of Lake Wales.

AQUIFER.--Floridan aquifer system of Eocene Age, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 315 ft, cased to 274 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 197.58 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 3.10 ft above land-surface datum.

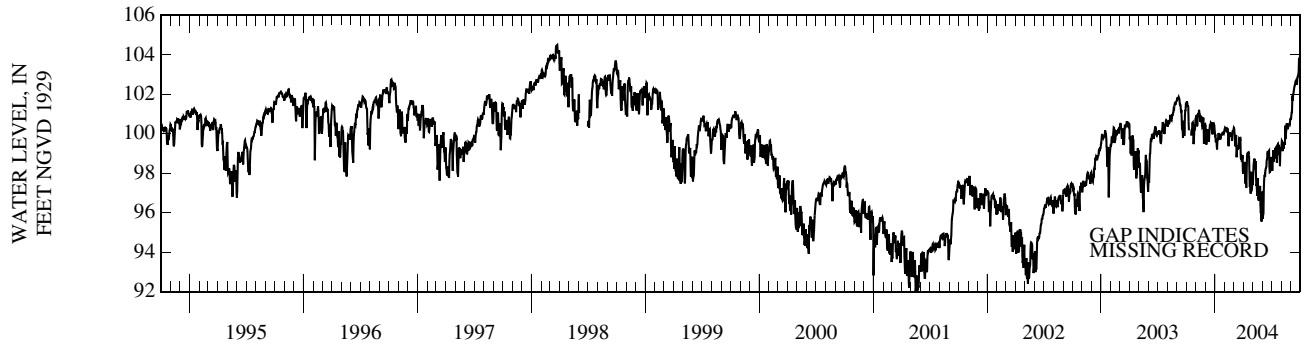
REMARKS.--Water level affected by pumping of nearby well.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 104.50 ft NGVD, Mar. 24, 1998; lowest, 89.72 ft NGVD, Dec. 25, 1989.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101.46	100.83	100.42	99.89	100.26	100.30	98.25	97.48	95.99	98.49	99.40	100.90
2	101.62	100.75	100.28	99.90	100.31	100.27	97.98	98.03	95.71	98.13	99.64	101.08
3	101.64	100.95	99.55	99.57	100.29	100.02	98.03	98.39	95.90	98.49	99.61	101.09
4	101.54	100.38	99.45	99.63	100.22	99.66	98.38	98.57	95.98	98.81	99.12	101.37
5	101.36	100.43	99.59	99.76	100.19	99.37	98.58	98.64	97.16	99.12	99.45	101.94
6	101.45	100.86	99.89	99.39	100.27	99.61	97.73	98.74	97.64	99.15	99.47	101.69
7	101.35	100.97	99.93	99.21	100.28	99.80	97.48	98.28	97.86	98.58	99.24	101.91
8	100.60	100.95	100.22	99.65	100.13	99.94	97.73	98.18	97.90	98.96	99.33	102.04
9	100.17	100.92	100.12	99.70	100.29	99.63	97.53	98.47	97.82	99.00	99.53	102.14
10	---	101.21	99.89	99.76	100.21	98.81	97.26	98.62	98.13	98.74	99.54	102.27
11	---	101.19	99.88	99.77	100.08	99.07	97.98	97.80	98.24	98.90	99.44	102.36
12	---	101.00	99.59	100.04	99.60	99.33	98.85	97.36	98.26	99.26	99.72	102.45
13	---	100.97	99.95	99.99	99.37	99.34	98.97	97.44	98.31	99.28	100.41	102.48
14	---	100.61	100.24	99.80	99.75	99.19	99.00	97.14	98.65	98.91	99.76	102.59
15	---	100.70	100.43	99.83	99.87	99.42	99.08	96.87	98.70	98.81	99.94	102.66
16	99.91	100.67	100.43	99.77	100.00	99.26	99.02	97.45	98.85	98.86	100.15	102.67
17	100.16	100.91	100.47	99.78	99.99	99.47	99.04	97.74	99.05	98.54	100.46	102.71
18	100.17	100.86	100.56	99.77	99.93	99.75	98.81	96.73	99.04	98.99	100.53	102.67
19	100.26	100.71	100.54	99.99	100.07	99.73	98.88	96.72	98.83	99.42	100.44	102.49
20	100.55	100.78	100.58	99.89	100.03	99.75	98.25	96.61	98.91	99.45	100.30	102.68
21	100.57	100.34	100.37	99.93	99.95	99.68	97.31	96.80	99.13	99.33	100.23	102.89
22	100.34	100.36	100.16	100.00	99.86	99.70	97.35	96.60	99.15	99.42	100.33	102.91
23	99.92	100.63	100.18	100.01	100.00	98.83	97.44	97.11	98.34	99.39	100.36	102.93
24	99.48	100.82	99.97	100.01	99.65	98.70	96.97	97.36	98.06	98.98	100.41	103.02
25	99.66	100.40	100.46	99.93	99.99	98.94	97.82	96.39	98.07	98.93	100.48	103.14
26	100.10	99.49	100.52	100.07	100.13	98.63	98.07	95.98	98.14	99.00	100.51	103.81
27	100.46	100.28	100.53	100.07	100.13	98.64	97.28	96.09	98.63	98.36	100.48	103.59
28	100.18	100.52	100.38	100.07	100.13	98.83	97.25	96.10	98.83	99.02	100.61	103.85
29	100.36	100.44	100.46	100.04	100.22	98.92	97.43	95.55	98.44	99.28	100.76	103.92
30	100.74	100.40	100.27	100.07	---	98.14	97.49	96.74	98.53	99.28	100.77	103.95
31	100.79	---	100.08	100.18	---	97.99	---	97.07	---	99.21	100.73	---
MAX	---	101.21	100.58	100.18	100.31	100.30	99.08	98.74	99.15	99.45	100.77	103.95



WELL NUMBER.--275348081335703. ROMP 57A NRSD Well near Lake Wales, FL.

LOCATION.--Lat 27° 53'48", long 81° 33'57" (1927 North American datum), in SE 1/4 SE 1/4 sec.1, T.30 S., R.27 E., Hydrologic Unit 03090101, 300 ft west of 11th Street, 0.5 mi north of State Highway 60, and 1.4 mi east of Lake Wales.

AQUIFER.--Surficial aquifer system of Quaternary Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 135 ft, cased to 114 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

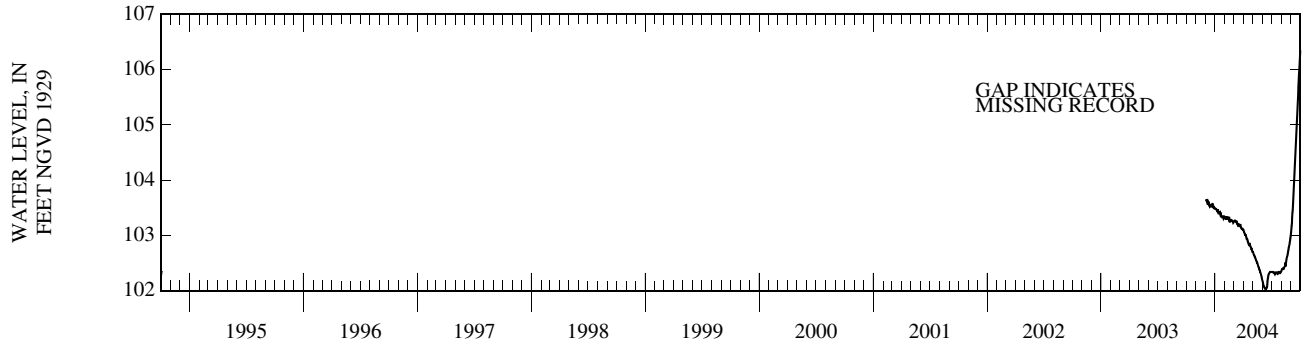
DATUM.--Land-surface datum is 197.59 ft above National Geodetic Vertical Datum of 1929 (levels by Southwest Florida Water Management District). Measuring point: Top of recorder shelter floor, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--November 1987 to September 1994; October 1994 to September 2003 (periodic); December 2003 to September 2004.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.42 ft NGVD, Apr. 1, 1998; lowest daily maximum water level, 97.48 ft NGVD, May 31, June 1, 2, 1990.

ELEVATION ABOVE NGVD 1929, FEET
PERIOD DECEMBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	103.48	103.33	103.25	103.10	102.70	102.18	102.34	102.36	103.10
2	---	---	103.63	103.48	103.31	103.26	103.08	102.69	102.16	102.34	102.38	103.17
3	---	---	103.63	103.48	103.30	103.26	103.06	102.67	102.12	102.34	102.39	103.22
4	---	---	103.64	103.48	103.30	103.27	103.05	102.65	102.10	102.34	102.39	103.32
5	---	---	103.64	103.47	103.31	103.27	103.03	102.64	102.09	102.33	102.40	103.41
6	---	---	103.62	103.46	103.33	103.26	103.01	102.63	102.07	102.33	102.41	103.46
7	---	---	103.59	103.44	103.33	103.25	103.01	102.61	102.06	102.33	102.41	103.58
8	---	---	103.57	103.44	103.30	103.25	103.01	102.61	102.05	102.33	102.40	103.69
9	---	---	103.57	103.46	103.30	103.25	102.99	102.59	102.04	102.32	102.41	103.79
10	---	---	103.61	103.46	103.32	103.25	102.96	102.58	102.03	102.31	102.43	103.91
11	---	---	103.60	103.41	103.32	103.22	102.94	102.56	102.03	102.30	102.44	104.04
12	---	---	103.55	103.40	103.32	103.21	102.94	102.55	102.04	102.31	102.45	104.17
13	---	---	103.54	103.40	103.30	103.21	102.93	102.53	102.04	102.32	102.51	104.30
14	---	---	103.55	103.42	103.32	103.19	102.90	102.51	102.05	102.33	102.44	104.41
15	---	---	103.53	103.42	103.32	103.20	102.88	102.51	102.06	102.33	102.49	104.54
16	---	---	103.54	103.41	103.28	103.20	102.87	102.49	102.11	102.33	102.53	104.68
17	---	---	103.56	103.39	103.25	103.20	102.85	102.47	102.17	102.32	102.57	104.81
18	---	---	103.53	103.41	103.25	103.17	102.84	102.45	102.21	102.31	102.59	104.95
19	---	---	103.53	103.40	103.26	103.17	102.85	102.43	102.25	102.32	102.61	105.08
20	---	---	103.53	103.37	103.28	103.17	102.85	102.42	102.28	102.31	102.64	105.21
21	---	---	103.51	103.34	103.28	103.19	102.85	102.39	102.30	102.32	102.67	105.33
22	---	---	103.53	103.33	103.26	103.19	102.82	102.38	102.31	102.33	102.71	105.43
23	---	---	103.57	103.33	103.26	103.15	102.81	102.37	102.32	102.34	102.74	105.56
24	---	---	103.57	103.33	103.27	103.14	102.79	102.34	102.33	102.34	102.78	105.68
25	---	---	103.55	103.34	103.27	103.13	102.78	102.33	102.34	102.33	102.80	105.80
26	---	---	103.51	103.34	103.26	103.12	102.76	102.31	102.34	102.32	102.82	105.92
27	---	---	103.51	103.34	103.25	103.12	102.76	102.29	102.34	102.32	102.87	106.00
28	---	---	103.50	103.31	103.23	103.12	102.73	102.28	102.34	102.32	102.90	106.12
29	---	---	103.51	103.32	103.24	103.12	102.71	102.26	102.34	102.33	102.95	106.23
30	---	---	103.50	103.34	---	103.10	102.71	102.22	102.34	102.34	102.99	106.35
31	---	---	103.49	103.34	---	103.10	---	102.20	---	102.35	103.04	---
MAX	---	---	---	103.48	103.33	103.27	103.10	102.70	102.34	102.35	103.04	106.35



WELL NUMBER.--275411081372001. ROMP 57 Floridan Well near Lake Wales, FL.

LOCATION.--Lat 27° 54'11", long 81° 37'20" (1927 North American datum), in NE 1/4 NE 1/4 sec.4, T.30 S., R.27 E., Hydrologic Unit 0310010l, 40 ft south of State Highway 60, 1.5 mi west of U. S. Highway 27, and 2.0 mi west of Lake Wales.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 7 in., depth 634 ft, cased to 160 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 128.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 4.21 ft above land-surface datum.

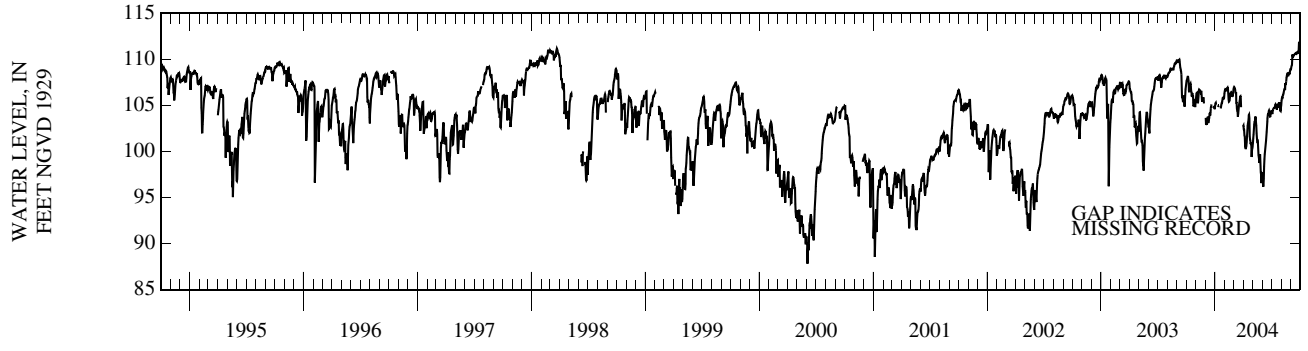
REMARKS.--Water level affected by pumping of nearby well.

PERIOD OF RECORD.--July 1981 to current year. Prior to October 1, 1982, published as ROMP 57-1 Floridan Well near Lake Wales.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 111.90 ft NGVD, Sept. 29, 2004; lowest, 87.82 ft NGVD, June 3, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107.64	105.87	---	104.99	106.57	106.92	102.80	100.90	97.21	104.26	105.52	109.16
2	107.74	106.26	103.67	105.25	106.70	106.99	102.37	101.44	96.78	104.06	105.78	109.28
3	107.81	106.38	102.89	105.29	106.78	106.94	102.36	101.84	96.18	104.28	105.85	109.38
4	107.96	106.41	102.96	105.08	106.76	106.87	101.76	102.43	96.32	104.52	105.83	109.76
5	108.09	106.13	103.01	---	106.70	106.69	101.67	102.94	97.04	104.58	106.11	110.54
6	108.20	105.24	103.01	---	106.64	106.39	100.74	103.19	98.40	104.69	106.14	110.39
7	107.93	105.33	103.24	---	106.65	106.36	100.79	103.26	99.18	104.71	106.30	110.47
8	107.66	105.80	103.70	---	106.73	106.36	100.25	103.42	99.71	104.72	106.48	110.48
9	106.61	106.26	103.78	---	106.91	105.32	100.45	103.72	100.12	104.76	106.58	110.41
10	106.44	106.66	103.09	---	106.96	105.29	100.62	103.80	100.49	104.76	106.75	110.48
11	106.86	106.74	103.32	104.82	106.84	104.64	101.02	103.21	100.85	104.82	106.84	110.54
12	107.15	106.70	103.50	104.96	106.22	104.44	101.62	102.82	101.17	105.06	106.69	110.58
13	107.27	106.64	103.64	104.98	105.66	104.35	102.26	101.99	101.70	105.13	107.41	110.61
14	107.34	106.60	104.11	104.99	105.42	103.79	102.77	101.47	102.13	105.05	107.23	110.60
15	107.08	106.55	104.15	---	105.46	104.09	103.04	101.01	102.70	104.97	107.34	110.60
16	106.58	106.43	103.90	---	105.52	104.48	103.24	100.99	103.25	104.69	107.61	110.65
17	106.44	106.49	104.24	---	105.86	104.86	103.52	101.04	103.62	104.54	108.01	110.71
18	105.98	106.49	104.71	---	106.07	105.14	103.92	100.36	103.95	104.88	108.24	110.74
19	106.27	105.99	104.97	104.67	106.30	105.34	104.00	99.58	104.04	105.06	108.38	110.67
20	106.36	105.44	105.13	104.90	106.38	105.58	103.62	99.38	104.02	105.10	108.48	110.71
21	105.98	105.53	---	105.13	106.42	105.97	101.64	99.02	104.37	104.89	108.50	110.74
22	105.98	105.42	---	105.28	106.34	106.01	101.31	98.77	104.44	104.76	108.34	110.75
23	105.33	105.75	---	105.29	106.38	105.84	101.18	99.47	104.31	104.93	108.38	110.81
24	104.90	105.80	---	105.51	106.36	104.81	100.79	99.69	103.95	105.12	108.33	110.79
25	105.01	105.80	---	105.81	105.94	---	100.97	98.69	103.80	105.26	108.44	110.99
26	105.58	105.23	104.74	105.86	106.02	---	100.70	97.78	103.82	105.35	108.47	111.85
27	105.69	---	104.83	105.74	106.19	---	99.41	97.47	104.13	104.80	108.48	111.72
28	105.14	---	104.84	105.77	106.49	---	100.08	96.75	104.24	104.43	108.76	111.89
29	104.82	---	104.76	105.77	106.79	---	100.34	96.58	104.37	104.40	108.91	111.90
30	105.16	---	104.69	105.87	---	---	100.51	97.51	104.36	104.75	108.91	111.86
31	105.52	---	104.69	106.30	---	102.72	---	97.77	---	105.04	108.97	---
MAX	108.20	---	---	---	106.96	---	104.00	103.80	104.44	105.35	108.97	111.90



WELL NUMBER.--275411081372002. ROMP 57 Hawthorn Well near Lake Wales, FL.

LOCATION.--Lat 27° 54'11", long 81° 37'20" (1927 North American datum), in NE 1/4 NE 1/4 sec.4, T.30 S., R.27 E., Hydrologic Unit 0310010l, 25 ft south of State Highway 60, 1.5 mi west of U. S. Highway 27, and 2.0 mi west of Lake Wales.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 7 in., depth 140 ft, cased to 95 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 128.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 4.08 ft above land-surface datum.

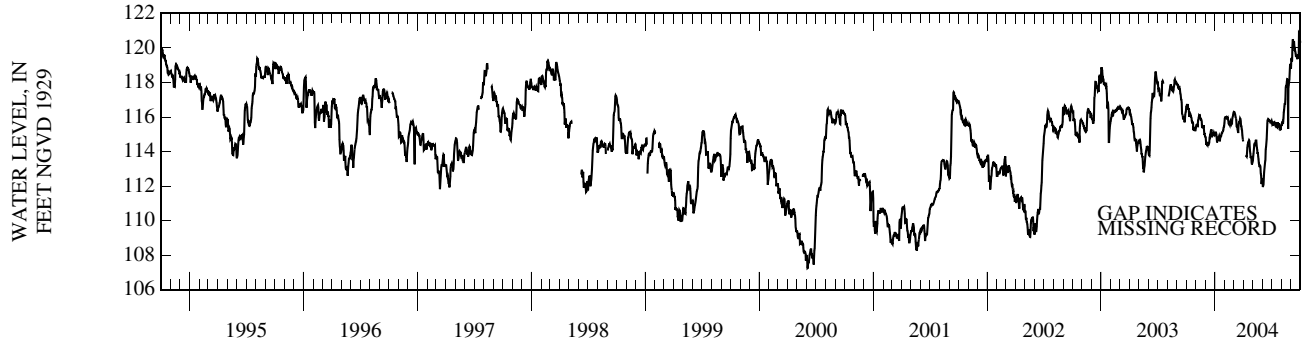
REMARKS.--Water level affected by pumping of nearby wells.

PERIOD OF RECORD.--July 1981 to current year. Prior to October 1, 1982, published as ROMP 57-2 Hawthorn Well near Lake Wales.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 120.87 ft NGVD, Sept. 26, 2004; lowest, 107.25 ft NGVD, June 3, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116.62	115.43	114.84	114.98	115.90	116.30	---	113.49	112.35	115.69	115.54	119.32
2	116.69	115.48	114.81	115.06	115.98	116.29	---	113.75	111.95	115.57	115.62	119.42
3	116.70	115.58	114.55	115.15	116.00	116.28	---	113.91	111.99	115.60	115.59	119.22
4	116.69	115.42	114.40	115.08	116.00	116.23	---	114.12	112.05	115.60	115.64	119.28
5	116.62	115.53	114.44	114.94	115.99	116.17	---	114.34	112.40	115.50	115.74	120.12
6	116.64	115.51	114.41	114.74	116.01	116.02	---	114.45	112.80	115.62	115.72	120.49
7	116.42	115.78	114.43	114.53	115.98	115.97	---	114.45	112.99	115.67	115.94	120.46
8	116.51	115.81	114.40	114.59	115.86	115.91	---	114.37	113.18	115.69	116.27	120.20
9	116.31	115.97	114.55	114.75	115.96	115.81	113.78	114.37	113.39	115.70	116.42	120.13
10	116.02	116.01	114.40	114.74	115.98	115.47	113.74	114.63	113.50	115.62	116.63	120.38
11	116.14	116.10	114.40	114.77	115.89	115.47	113.71	114.64	114.12	115.57	116.80	120.13
12	116.16	116.08	114.48	114.81	115.82	115.44	113.90	114.64	114.26	115.69	116.72	119.83
13	116.20	116.09	114.51	114.84	115.62	115.29	114.21	114.41	114.51	115.61	117.04	119.87
14	116.16	115.97	114.78	114.90	115.59	115.18	114.36	114.20	114.72	115.68	117.69	119.79
15	116.02	115.94	114.89	114.81	115.63	115.07	114.35	114.08	115.12	115.57	117.76	119.67
16	116.02	115.87	114.86	114.59	115.58	115.50	114.48	113.87	115.63	115.54	117.77	119.49
17	115.96	115.84	115.03	114.73	115.54	115.65	114.46	113.94	115.77	115.36	117.85	119.59
18	115.77	115.84	115.19	114.86	115.65	115.68	114.61	113.70	115.83	115.43	118.04	119.50
19	115.73	115.78	115.22	114.88	115.65	115.69	114.66	113.55	115.87	115.41	118.19	119.45
20	115.62	115.41	115.28	114.89	115.76	115.80	114.62	113.34	115.84	115.68	118.18	119.34
21	115.72	115.54	115.21	114.98	115.71	115.92	114.26	113.26	115.82	115.58	118.13	119.47
22	115.66	115.35	114.83	115.06	115.70	115.88	114.01	113.10	115.88	115.51	115.30	119.57
23	115.25	115.51	114.87	115.09	115.59	115.76	113.88	113.19	115.77	115.59	117.70	119.60
24	115.43	115.45	115.00	115.09	115.63	115.47	113.63	113.18	115.76	115.58	117.84	119.43
25	115.19	115.53	115.03	115.16	115.91	115.46	113.68	113.11	115.75	115.44	118.01	119.38
26	115.33	115.28	115.01	115.18	115.98	115.31	113.67	112.74	115.70	115.51	118.20	120.87
27	115.33	115.03	115.03	115.27	116.04	115.22	113.35	112.62	115.73	115.44	118.64	120.85
28	115.38	115.03	115.09	115.39	116.17	114.95	113.25	112.49	115.74	115.27	118.99	120.64
29	115.23	114.92	115.03	115.43	116.25	114.87	113.30	112.12	115.72	115.28	119.08	120.44
30	115.23	114.88	115.00	115.48	---	114.70	113.37	112.27	115.77	115.41	118.98	120.30
31	115.36	---	114.95	115.66	---	114.58	---	112.44	---	115.47	118.80	---
MAX	116.70	116.10	115.28	115.66	116.25	116.30	---	114.64	115.88	115.70	119.08	120.87



WELL NUMBER.--275411081372003. ROMP 57 NRSD Well near Lake Wales, FL.

LOCATION.--Lat 27° 54'11", long 81° 37'20" (1927 North American datum), in NE 1/4 NE 1/4 sec.4, T.30 S., R.27 E., Hydrologic Unit 03100101, 40 ft south of State Highway 60, 1.5 mi west of U. S. Highway 27, and 2.0 mi west of Lake Wales.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 15 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 128.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.31 ft above land-surface datum.

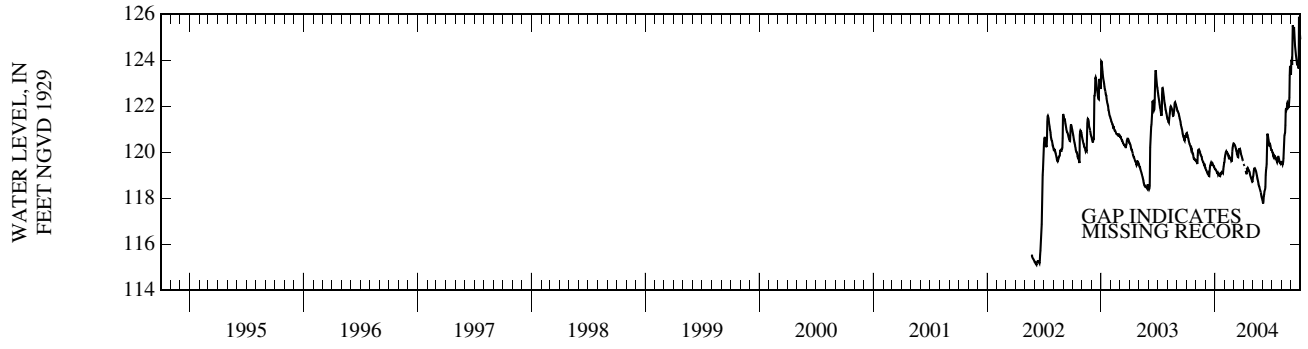
PERIOD OF RECORD.--August 1981 to April 2002 (periodic); May 2002 to current year. Prior to October 1990, published as ROMP 57-3 Shallow Well near Lake Wales.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 125.88 ft NGVD, Sept. 26, 2004; lowest measured, 114.62 ft NGVD, June 5, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	120.82	119.61	119.31	119.26	119.72	120.37	---	118.92	117.91	120.07	119.51	123.95
2	120.84	119.60	119.28	119.26	119.83	120.35	119.49	118.95	117.83	120.01	119.54	124.00
3	120.81	119.62	119.24	119.24	119.89	120.33	119.45	119.07	117.77	119.99	119.51	123.95
4	120.77	119.52	119.22	119.22	119.97	120.31	119.40	119.21	117.87	119.93	119.47	123.79
5	120.71	119.49	119.19	119.20	120.01	120.28	---	119.28	118.09	119.85	119.53	124.86
6	120.66	119.85	119.14	119.15	120.04	120.23	119.28	119.29	118.16	119.80	119.56	125.51
7	120.60	120.05	119.11	119.10	120.00	120.17	---	119.30	118.28	119.82	119.74	125.44
8	120.53	120.10	119.07	119.11	119.93	120.13	119.19	119.29	118.33	119.87	120.17	125.08
9	120.46	120.11	119.07	119.12	119.97	120.07	119.13	119.27	118.37	119.84	120.46	125.32
10	120.42	120.12	119.09	119.09	119.95	120.05	119.08	119.23	118.49	119.79	120.72	125.44
11	120.36	120.10	118.99	119.01	119.91	119.93	119.08	119.19	119.01	119.75	120.79	125.20
12	120.33	120.08	118.97	119.03	119.87	119.89	119.24	119.12	119.22	119.79	120.83	124.88
13	120.29	120.04	118.96	119.04	119.81	119.84	119.30	119.05	119.32	119.77	121.17	124.64
14	120.26	119.97	119.17	119.05	119.84	119.79	119.32	118.98	119.49	119.72	121.80	124.48
15	120.20	119.93	119.32	119.01	119.82	119.78	119.29	118.90	119.96	119.69	121.87	124.34
16	120.13	119.87	119.41	118.97	119.74	120.02	119.26	118.83	120.75	119.65	121.88	124.21
17	120.16	119.84	119.45	118.96	119.74	120.13	119.24	118.77	120.80	119.59	121.85	124.10
18	120.10	119.82	119.52	119.02	119.73	120.14	119.20	118.71	120.76	119.55	121.91	123.98
19	120.02	119.80	119.55	119.08	119.74	120.14	119.18	118.62	120.65	119.60	122.10	123.87
20	119.95	119.70	119.52	119.07	119.72	120.11	119.16	118.56	120.55	119.75	122.16	123.77
21	119.95	119.66	119.50	119.10	119.68	120.13	119.11	118.52	120.47	119.80	122.12	123.82
22	119.93	119.63	119.53	119.13	119.62	120.08	119.02	118.47	120.34	119.80	122.03	123.88
23	119.86	119.59	119.54	119.11	119.64	119.97	118.98	118.42	120.25	119.75	121.95	123.85
24	119.77	119.58	119.51	119.13	119.64	119.91	118.94	118.37	120.34	119.68	121.97	123.71
25	119.72	119.53	119.44	119.12	120.02	119.87	118.89	118.32	120.35	119.63	122.14	123.63
26	119.72	119.47	119.43	119.10	120.17	119.83	118.86	118.26	120.29	119.58	122.38	125.88
27	119.69	119.44	119.42	119.25	120.27	119.78	118.82	118.19	120.22	119.54	123.34	125.82
28	119.69	119.45	119.38	119.37	120.34	119.73	118.75	118.14	120.15	119.52	123.75	125.44
29	119.66	119.35	119.37	119.47	120.38	119.68	118.72	118.07	120.10	119.59	123.69	125.12
30	119.65	119.34	119.32	119.53	---	119.64	118.73	118.01	120.10	119.55	123.52	124.90
31	119.64	---	119.28	119.56	---	119.62	---	117.97	---	119.51	123.37	---
MAX	120.84	120.12	119.55	119.56	120.38	120.37	---	119.30	120.80	120.07	123.75	125.88

CAL YR 2003 MAX 123.95



WELL NUMBER.--275815081444201. Lake McLeod Shallow Well near Eagle Lake, FL.

LOCATION.--Lat 27° 58'15", long 81° 44'42" (1927 North American datum), in SE 1/4 SE 1/4 sec.7, T.29 S., R.26 E., Hydrologic Unit 0310010l, at intersection Eagle Loop Road and Lake McLeod Road, and 1.0 mi east of Eagle Lake.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 111NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 26 ft, cased to 24 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 139.25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

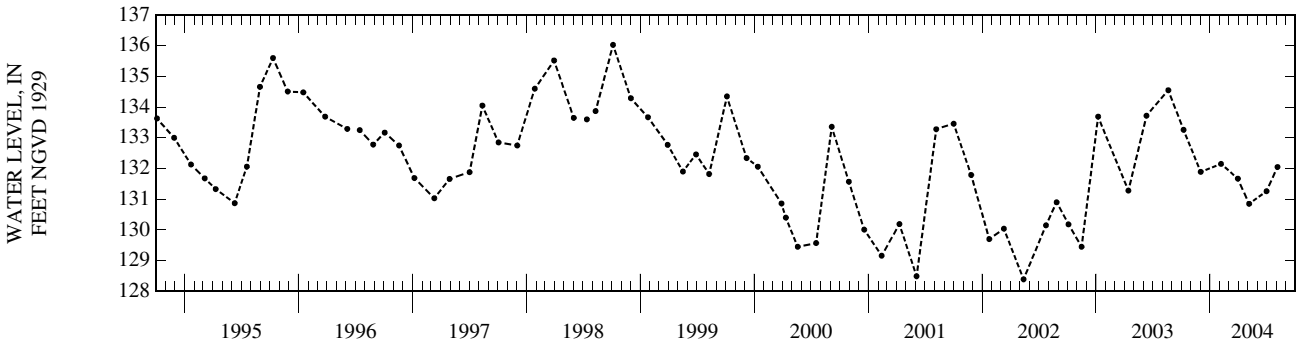
PERIOD OF RECORD.--May 1965 to current year (periodic). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.03 ft NGVD, Oct. 5, 1998; lowest measured, 122.93 ft NGVD, June 1, 1977.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	133.26	FEB 05	132.15	MAY 05	130.85	AUG 04	132.05
DEC 02	131.89	MAR 30	131.67	JUN 30	131.26		

WATER YEAR 2004 LOWEST 130.85 MAY 05, 2004 HIGHEST 133.26 OCT 08, 2003



WELL NUMBER.--275959081552501. Sanlon Ranch Deep Well near Eaton Park, FL.

LOCATION.--Lat 27° 59'59", long 81° 55'25" (1927 North American datum), in SW 1/4 SW 1/4 sec.33, T.28 S., R.24 E., Hydrologic Unit 03100101, 200 ft east of State Highway 37, and 1.1 mi southwest of Eaton Park.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused industrial, artesian well, diameter 24 in., depth 1,220 ft, cased to 293 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 125.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.50 ft above land-surface datum.

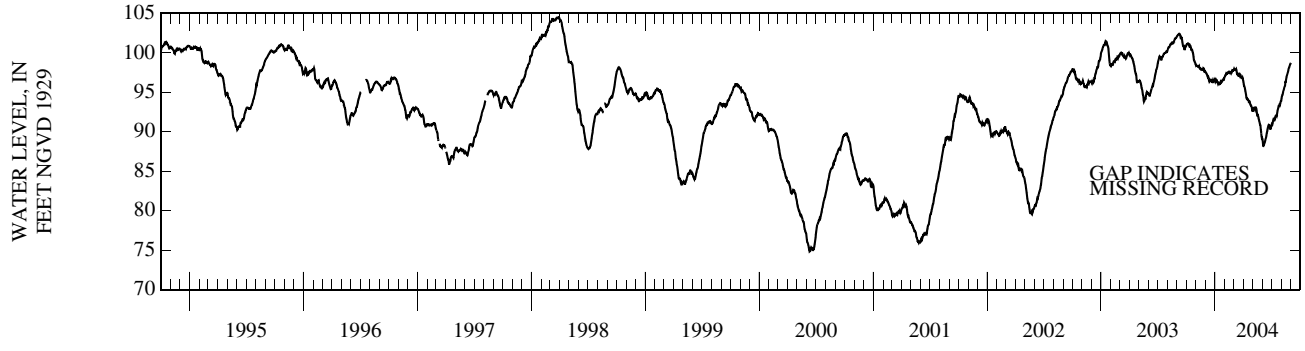
PERIOD OF RECORD.--January 1970 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 104.51 ft NGVD, Mar. 28, 1998; lowest, 66.38 ft NGVD, May 9, 1975.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100.97	98.38	97.62	96.36	96.98	97.85	96.29	92.69	89.11	90.79	94.22	---
2	101.06	98.42	97.54	96.51	97.05	97.98	96.01	92.86	88.65	90.86	94.47	---
3	101.11	98.41	97.47	96.46	97.14	97.90	95.81	93.00	88.22	91.08	94.57	---
4	101.14	98.37	97.40	96.59	97.16	97.92	95.76	93.04	88.20	91.28	94.66	---
5	101.17	98.32	97.37	96.52	97.29	97.86	95.62	93.05	88.32	91.48	94.85	---
6	101.20	98.27	97.26	96.51	97.45	97.84	95.37	92.96	88.41	91.62	95.05	---
7	101.10	98.27	97.11	96.34	97.42	97.87	95.16	92.86	88.58	91.68	95.18	---
8	101.08	98.26	97.00	96.29	97.25	97.93	94.94	92.99	88.66	91.67	95.30	---
9	101.08	98.27	96.91	96.20	97.47	97.82	94.70	93.07	88.82	91.58	95.50	---
10	100.93	98.35	96.95	96.17	97.50	97.74	94.37	93.10	88.98	91.51	95.63	---
11	100.77	98.23	96.78	96.03	97.49	97.38	94.21	93.10	89.10	91.61	95.74	---
12	100.75	98.11	96.58	96.10	97.49	97.34	94.16	92.98	89.26	91.87	95.85	---
13	100.92	98.03	96.43	96.17	97.46	97.27	94.19	92.71	89.48	92.01	96.38	---
14	100.83	98.02	96.54	96.12	97.50	97.15	94.06	92.37	89.76	92.06	96.25	---
15	100.72	97.96	96.43	96.11	97.58	97.12	94.09	92.15	89.96	92.04	96.46	---
16	100.45	98.01	96.52	96.02	97.54	97.30	94.07	92.20	90.14	91.98	96.68	---
17	100.47	97.98	96.56	96.04	97.57	97.27	93.96	92.11	90.30	92.16	96.92	---
18	100.43	97.94	96.46	96.28	97.54	97.19	93.84	91.99	90.48	92.42	97.07	---
19	100.35	97.88	96.48	96.37	97.47	97.16	93.89	91.75	90.62	92.66	97.18	---
20	100.25	97.84	96.47	96.31	97.50	97.08	93.88	91.57	90.76	92.81	97.32	---
21	100.06	97.83	96.37	96.28	97.54	97.27	93.82	91.43	90.89	92.99	97.47	---
22	99.96	97.88	96.34	96.35	97.43	97.20	93.62	91.27	90.87	93.16	97.66	---
23	99.76	97.94	96.47	96.38	97.51	97.02	93.46	91.04	90.69	93.29	97.86	---
24	99.49	98.06	96.33	96.48	97.69	96.99	93.38	90.90	90.57	93.30	97.99	---
25	99.12	98.02	96.34	96.50	97.80	96.93	93.33	90.84	90.39	93.27	98.12	---
26	99.02	97.86	96.31	96.63	97.77	96.85	93.30	90.34	90.39	93.43	98.22	---
27	98.98	97.71	96.45	96.68	97.72	96.81	93.18	90.00	90.40	93.42	98.34	---
28	98.87	97.76	96.49	96.60	97.71	96.80	92.94	89.76	90.68	93.62	98.50	---
29	98.77	97.62	96.61	96.60	97.80	96.85	92.59	89.43	90.80	93.78	98.60	---
30	98.58	97.61	96.52	96.75	---	96.68	92.69	89.17	90.90	93.91	98.64	---
31	98.50	---	96.43	96.83	---	96.50	---	89.22	---	93.93	98.73	---
MAX	101.20	98.42	97.62	96.83	97.80	97.98	96.29	93.10	90.90	93.93	98.73	---

CAL YR 2003 MAX 102.42



WELL NUMBER.--280229081325201. Lake Hatchineha Road Well near Lake Hamilton, FL.

LOCATION.--Lat 28° 02'29", long 81° 32'52" (1927 North American datum), in SE 1/4 SE 1/4 sec.18, T.28 S., R.28 E., Hydrologic Unit 03090101, on north side of State Highway 542, 5.0 mi east of town of Lake Hamilton.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 463, cased to 137 ft.

INSTRUMENTATION.--Periodic measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 93.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.10 ft above land-surface datum.

REMARKS.--The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1978, are in error. Revised records are in files of the Geological Survey.

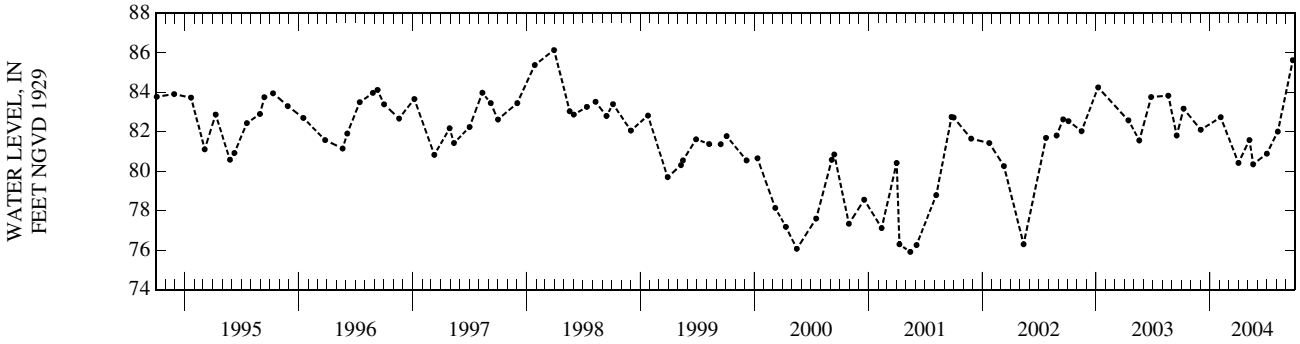
PERIOD OF RECORD.--January 1963 to current year (periodic). Records of water levels prior to January 1974 are available in files of the Geological Survey. Prior to October 1979, published as Lake Hamilton Well near Lake Hamilton.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.14 ft NGVD, Mar. 30, 1998; lowest measured, 74.43 ft NGVD, June 6, 1985.

WATER SURFACE ELEVATION IN FEET NGVD 1929, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	83.17	FEB 04	82.74	MAY 06	81.58	JUL 01	80.89	SEP 22	85.63
DEC 02	82.10	APR 01	80.42	18	80.35	AUG 05	82.01		

WATER YEAR 2004 LOWEST 80.35 MAY 18, 2004 HIGHEST 85.63 SEP 22, 2004



WELL NUMBER.--281532081345001. Loughman Deep Well near Loughman, FL.

LOCATION.--Lat 28° 15'32", long 81° 34'50" (1927 North American datum), in NW 1/4 NE 1/4 sec.2, T.26 S., R.27 E., Hydrologic Unit 03090101, 10 ft south of Lake Wilson Road, 0.6 mi east of State Highway 545, and 1.6 mi northwest of Loughman.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 250 ft, cased to 85 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 104.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.72 ft above land-surface datum.

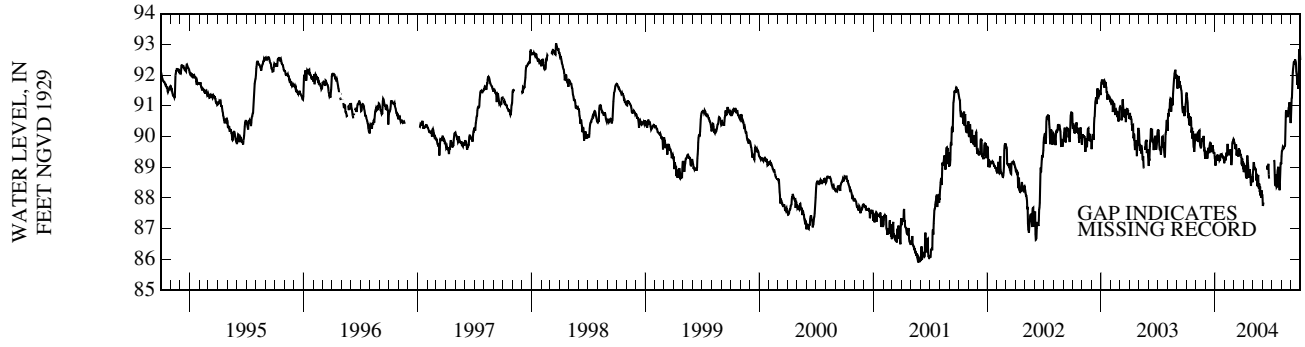
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--August 1960 to November 1970 (periodic); December 1970 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 93.23 ft NGVD, Oct. 1, 1979; lowest, 85.90 ft NGVD, May 24, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91.41	89.93	89.33	89.26	89.25	89.89	89.11	88.83	88.02	---	89.36	90.98
2	91.43	89.92	89.30	89.05	89.33	89.81	88.84	88.91	87.74	---	89.51	91.23
3	91.30	89.85	89.39	89.25	89.22	89.79	88.99	89.13	87.78	---	89.53	91.28
4	91.18	90.03	89.34	89.34	89.27	89.74	89.06	89.16	87.85	---	89.58	91.40
5	91.11	90.07	89.53	89.30	89.34	89.73	89.03	89.07	---	---	89.65	91.76
6	90.81	90.11	89.49	89.21	89.43	89.59	88.99	88.94	---	---	89.63	92.07
7	90.60	90.16	89.28	89.31	89.48	89.68	88.97	88.98	---	---	89.59	92.20
8	90.76	89.89	89.40	89.41	89.36	89.74	88.80	88.98	---	89.23	89.63	92.30
9	90.52	89.82	89.54	89.38	89.53	89.65	88.67	88.93	---	89.21	89.67	92.40
10	90.37	90.06	89.63	89.36	89.76	89.38	88.84	88.93	---	88.73	89.68	92.45
11	90.56	90.19	89.53	89.36	89.51	89.50	88.63	88.89	---	88.45	89.68	92.35
12	90.67	90.20	89.57	89.36	89.44	89.49	89.18	88.57	---	88.46	89.71	92.45
13	90.35	89.88	89.46	89.28	89.39	89.47	89.38	88.78	---	88.67	90.09	92.49
14	90.61	89.72	89.69	89.29	89.52	89.44	89.21	88.76	---	88.77	90.61	92.49
15	90.61	89.68	89.76	89.22	89.51	89.35	89.13	88.52	---	88.43	90.79	92.46
16	90.50	89.64	89.80	89.24	89.52	89.53	89.01	88.38	89.05	88.35	90.85	92.39
17	90.12	89.64	89.79	89.24	89.39	89.61	88.73	88.65	88.92	88.37	90.72	92.11
18	90.20	89.69	89.78	89.36	89.43	89.58	88.93	88.75	89.06	88.72	90.74	92.05
19	90.28	89.87	89.49	89.44	89.58	89.46	88.66	88.41	89.02	88.88	90.75	91.95
20	89.93	89.94	89.61	89.38	89.53	89.43	88.83	88.31	89.11	88.93	90.74	91.69
21	90.07	89.89	89.57	89.40	89.44	89.46	88.94	88.47	88.77	88.99	90.63	91.87
22	90.17	89.93	89.56	89.39	89.07	89.41	88.81	88.42	88.63	89.01	90.73	91.84
23	89.91	89.84	89.67	89.34	89.21	89.40	88.77	88.19	---	88.57	90.87	91.82
24	89.67	89.93	89.72	89.38	89.41	89.35	88.51	88.37	---	88.41	90.94	91.55
25	89.66	90.02	89.58	89.35	89.77	89.33	88.39	88.08	---	88.33	90.97	91.68
26	89.50	89.78	89.57	89.29	89.83	89.09	88.62	88.23	---	88.25	91.11	92.67
27	89.62	89.52	89.48	89.36	89.84	89.26	88.67	88.01	---	88.52	90.78	92.84
28	89.78	89.54	89.44	89.29	89.87	89.28	88.64	88.18	---	88.84	90.77	92.76
29	90.03	89.39	89.49	89.24	89.91	89.03	88.70	88.25	---	89.11	90.56	92.69
30	90.09	89.27	89.43	89.13	---	89.20	88.51	88.02	---	89.16	90.44	92.49
31	89.93	---	89.28	89.15	---	88.94	---	88.12	---	89.10	90.63	---
MAX	91.43	90.20	89.80	89.44	89.91	89.89	89.38	89.16	---	---	91.11	92.84



WELL NUMBER.--281532081345002. Loughman Shallow Well near Loughman, FL.

LOCATION.--Lat 28° 15'32", long 81° 34'50" (1927 North American datum), in NW 1/4 NE 1/4 sec.2, T.26 S., R.27 E., Hydrologic Unit 03090101, 10 ft south of Lake Wilson Road, 0.6 mi east of State Highway 545, and 1.6 mi northwest of Loughman.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in., depth 32 ft, cased to 29 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

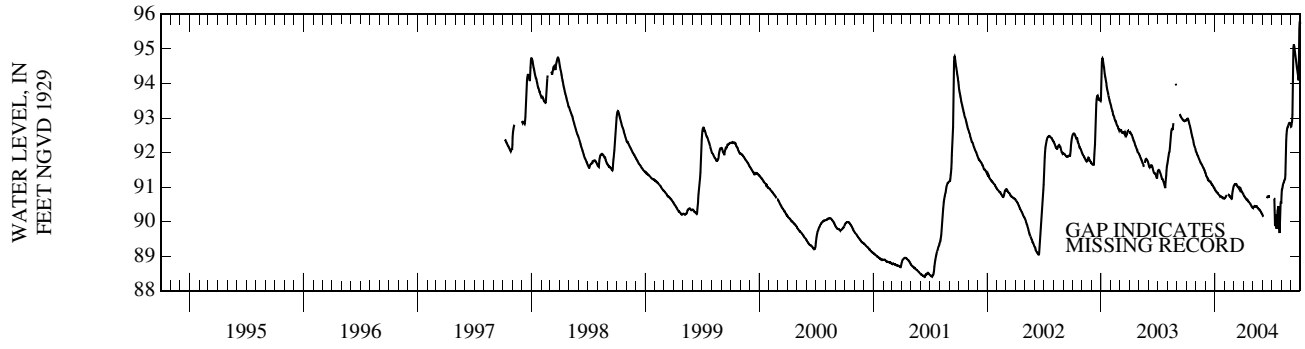
DATUM.--Land-surface datum is 104.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--January 1967 to September 1997 (periodic); October 1997 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 95.79 ft NGVD, Sept. 29, 2004; lowest, 88.40 ft NGVD, June 14, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92.95	92.03	91.41	90.92	90.68	91.03	90.79	90.40	90.20	---	90.77	92.76
2	92.96	92.01	91.39	90.91	90.69	91.05	90.76	90.39	90.17	---	90.92	92.83
3	92.97	91.99	91.34	90.89	90.70	91.06	90.75	90.42	90.15	---	90.94	92.86
4	92.97	91.95	91.33	90.88	90.71	91.08	90.73	90.43	90.14	---	90.99	92.92
5	92.98	91.93	91.31	90.87	90.73	91.08	90.72	90.44	---	---	91.05	93.10
6	92.98	91.91	91.29	90.85	90.75	91.08	90.70	90.43	---	---	91.08	93.90
7	92.96	91.90	91.27	90.84	90.75	91.09	90.69	90.43	---	---	91.11	94.69
8	92.91	91.87	91.24	90.83	90.74	91.09	90.68	90.43	---	90.66	91.13	95.03
9	92.89	91.85	91.22	90.83	---	91.09	90.66	90.43	---	90.66	91.17	95.11
10	92.84	91.82	91.23	90.82	---	91.08	90.64	90.43	---	90.18	91.19	95.11
11	92.81	91.81	91.20	90.80	---	91.05	90.63	90.45	---	89.90	91.21	95.05
12	92.78	91.79	91.18	90.79	---	91.04	90.64	90.45	---	89.90	91.23	94.97
13	92.73	91.77	91.17	90.78	90.75	91.02	90.64	90.44	---	90.11	91.37	94.89
14	92.69	91.74	91.17	90.77	90.77	91.00	90.62	90.44	---	90.21	91.77	94.82
15	92.66	91.72	91.16	90.76	90.76	90.99	90.61	90.42	90.68	89.87	92.06	94.75
16	92.60	91.70	91.16	90.75	90.73	90.99	90.59	90.40	90.70	89.79	92.34	94.68
17	92.56	91.68	91.16	90.73	90.72	90.98	90.58	90.39	90.72	89.87	92.52	94.61
18	92.52	91.67	91.13	90.74	90.71	90.96	90.57	90.39	90.72	90.16	92.62	94.53
19	92.48	91.66	91.12	90.74	90.72	90.94	90.56	90.37	90.73	90.31	92.69	94.45
20	92.43	91.64	91.10	90.73	90.71	90.92	90.55	90.36	90.74	90.36	92.73	94.39
21	92.41	91.62	91.08	90.72	90.70	90.98	90.54	90.35	90.74	90.42	92.74	94.33
22	92.38	91.60	91.07	90.71	90.67	90.97	90.53	90.35	90.72	90.44	92.77	94.26
23	92.35	91.58	91.07	90.70	90.66	90.93	90.51	90.33	90.72	90.00	92.79	94.21
24	92.29	91.56	91.06	90.70	90.67	90.91	90.50	90.32	---	89.84	92.83	94.14
25	92.24	91.55	91.04	90.69	90.81	90.90	90.48	90.31	---	89.76	92.85	94.09
26	92.21	91.53	91.02	90.68	90.87	90.88	90.46	90.29	---	89.67	92.86	94.95
27	92.18	91.50	91.01	90.69	90.92	90.86	90.45	90.28	---	89.94	92.86	95.58
28	92.16	91.49	90.99	90.68	90.97	90.85	90.43	90.26	---	90.26	92.85	95.77
29	92.13	91.45	90.98	90.68	91.01	90.84	90.41	90.25	---	90.53	92.84	95.79
30	92.09	91.43	90.96	90.68	---	90.82	90.40	90.23	---	90.58	92.79	95.73
31	92.06	---	90.94	90.67	---	90.80	---	90.22	---	90.52	92.75	---
MAX	92.98	92.03	91.41	90.92	---	91.09	90.79	90.45	---	---	92.86	95.79



POLK COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
273851082031501	ROMP 40 AVON PARK WELL NEAR DUETTE FL	20040519	30.21	NGVD29
		20040923	52.83	NGVD29
273851082031502	ROMP 40 HAWTHORN WELL NEAR DUETTE FL	20040519	126.12	NGVD29
		20040923	128.35	NGVD29
273851082031503	ROMP 40 NRSD WELL NEAR DUETTE FL	20040519	134.34	NGVD29
		20040923	135.49	NGVD29
273913081331801	NEUMAN WEGUAR WELL 29 NEAR BEREAH FL	20040519	73.11	NGVD29
		20040923	88.88	NGVD29
274009081452202	MOBIL WELL UF5 HAWTHORN WELL NEAR BOWLING GREEN FL	20040519	70.34	NGVD29
		20040923	84.57	NGVD29
274134081401801	LASTINGER ROAD NEAR FORT MEADE FL	20040519	116.27	NGVD29
		20040923	123.86	NGVD29
274151081513201	GARDINIER WELL NEAR BOWLING GREEN FL	20040519	62.90	NGVD29
		20040923	81.80	NGVD29
274238081415801	MOBIL WELL UF 1 NORTH WELL NEAR FORT MEADE FL	20040519	75.08	NGVD29
		20040923	95.71	NGVD29
274432081493401	J.C.BARNETTE NEAR FORT MEADE FL	20040519	61.59	NGVD29
		20040923	79.78	NGVD29
274440081314801	COLEY WELL AT FROSTPROOF FL	20040524	74.21	NGVD29
		20040920	88.85	NGVD29
274522081303901	ROMP CL-2 WELL NEAR FROSTPROOF FL	20040518	75.82	NGVD29
		20040921	84.39	NGVD29
274522081303902	ROMP CL-2 ARCADIA WELL AT FROSTPROOF FL	20040518	76.36	NGVD29
		20040921	83.65	NGVD29
274522081303903	ROMP CL-2 NRSD WELL NEAR FROSPROOF FL	20040518	78.34	NGVD29
		20040921	80.66	NGVD29
274522081303904	ROMP CL-2 NRSD WELL NEAR FROSTPROOOF FL	20040518	78.31	NGVD29
274545081342501	ROMP CL-3 FLORIDAN WELL NEAR FROSTPROOF FL	20040518	74.22	NGVD29
		20040921	90.79	NGVD29
274545081342502	CL-3 HAWTHORN WELL NEAR FROSTPROOF FL	20040518	73.99	NGVD29
		20040921	90.70	NGVD29
274545081342503	ROMP CL-3 NRSD WELL NEAR FROSTPROOF FL	20040518	118.17	NGVD29
		20040921	121.16	NGVD29
274547081470901	ROMP 45 HAWTHORN WELL AT FORT MEADE FL	20040517	67.87	NGVD29
		20040923	83.23	NGVD29
274547081470902	ROMP 45 SUWANNEE WELL AT FORT MEADE FL	20040517	63.66	NGVD29
		20040923	81.96	NGVD29
274547081470903	ROMP 45 AVON PARK WELL AT FORT MEADE FL	20040519	63.99	NGVD29
		20040923	81.82	NGVD29

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SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
274730081333801	ROMP 55 FLORIDAN WELL NEAR BABSON PARK FL	20040518	75.30	NGVD29
		20040921	93.58	NGVD29
274730081333802	ROMP 55 NRSD WELL NEAR BABSON PARK FL	20040518	116.33	NGVD29
		20040921	119.68	NGVD29
274847081414501	140 FL	20040519	126.87	NGVD29
		20040923	134.35	NGVD29
274926081355301	ROMP 44 FLORIDAN WELL NEAR BABSON PARK FL	20040518	84.36	NGVD29
		20040921	97.69	NGVD29
274926081355302	ROMP 44 NRSD WELL NEAR BABSON PARK FL	20040518	125.66	NGVD29
		20040921	128.63	NGVD29
275023081321501	CL-1 FLORIDAN WELL NEAR BABSON PARK FL	20040518	90.06	NGVD29
		20040921	99.90	NGVD29
275040081493001	IMC TEST WELL ON HWY 98 NEAR BARTOW FL	20040517	79.24	NGVD29
		20040922	94.88	NGVD29
275059081562201	164 FL	20040519	84.23	NGVD29
		20040922	94.54	NGVD29
275326081585801	ROMP 60 FLORIDAN WELL AT MULBERRY FL	20040518	63.87	NGVD29
		20040922	81.46	NGVD29
275348081335702	ROMP 57X HAWTHORN WELL AT LAKE WALES FL	20040518	97.39	NGVD29
		20040921	97.40	NGVD29
275403081391301	SR 60 DEEP WELL NEAR LAKE WALES FL	20040518	97.49	NGVD29
		20040922	108.36	NGVD29
275433081460501	210 FL	20040518	89.62	NGVD29
		20040922	102.04	NGVD29
275440081493701	CNTRL FL TRUSS HTRNN AT BARTOW FL	20040517	80.53	NGVD29
		20040922	94.08	NGVD29
275507081353701	ROMP 58 OCALA WELL NEAR LAKE WALES FL	20040518	92.17	NGVD29
		20040921	103.18	NGVD29
275507081353702	ROMP 58 NRSD WELL NEAR LAKE WALES FL	20040518	120.47	NGVD29
		20040921	126.20	NGVD29
275538082031901	KNOX DEEP WELL NEAR MULBERRY FL	20040517	58.20	NGVD29
		20040920	74.43	NGVD29
275545081362701	222 FL	20040518	99.24	NGVD29
		20040921	111.01	NGVD29
275615082022001	WARREN HAWTHORN NEAR MULBERRY FL	20040517	88.20	NGVD29
		20040920	97.31	NGVD29
275800081523001	CNTL HAWTHORN AT HIGHLAND CITY FL	20040518	79.48	NGVD29
		20040920	95.29	NGVD29
275824081363201	FREEMAN HAWTHORN NEAR DUNDEE FL	20040518	95.04	NGVD29
		20040921	106.53	NGVD29

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SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
280045081504001	POLK COUNTY LANDFILL NEAR LAKELAND FL	20040517	93.92	NGVD29
		20040920	100.66	NGVD29
280053081572301	ORLEANS ST DEEP AT LAKELAND FL	20040517	76.35	NGVD29
		20040920	90.10	NGVD29
280113081435301	ROMP 73 FLORIDAN WELL AT WINTER HAVEN FL	20040517	112.48	NGVD29
		20040922	121.03	NGVD29
280247082015301	PRECISION TRUSS NEAR LAKELAND FL	20040517	85.17	NGVD29
		20040920	96.33	NGVD29
280338081572901	N FLORIDA AVE D AT LAKELAND FL	20040517	83.67	NGVD29
		20040920	94.29	NGVD29
280420081570101	LAKELAND STADIUM WELL AT LAKELAND FL	20040517	91.61	NGVD29
		20040920	101.75	NGVD29
280455082021501	PLANT CITY QUAD FL	20040519	94.17	NGVD29
		20040922	102.60	NGVD29
280520081575201	CRESENT DR DEEP AT LAKELND FL	20040517	92.70	NGVD29
		20040920	102.18	NGVD29

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The following data were collected from October 2003 to September 2004 as part of a study to understand ground-water flow patterns around Lake Starr. Water levels were measured with an electronic or a steel water-level tape.

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275654081350601	NELSON FLORIDAN WELL NEAR LAKE WALES FL	20031029	93.23	NGVD29
		20031128	92.37	NGVD29
		20031223	92.99	NGVD29
		20040128	93.60	NGVD29
		20040227	93.64	NGVD29
		20040326	90.33	NGVD29
		20040505	92.23	NGVD29
		20040604	85.78	NGVD29
		20040707	92.62	NGVD29
		20040812	93.29	NGVD29
275659081351201	LAKE STARR WTS-26 NRSD WELL NEAR LAKE WALES FL	20031029	101.14	NGVD29
		20031128	101.12	NGVD29
		20031223	100.89	NGVD29
		20040128	100.79	NGVD29
		20040227	100.71	NGVD29
		20040326	100.37	NGVD29
		20040505	99.87	NGVD29
		20040604	98.91	NGVD29
		20040707	99.57	NGVD29
		20040812	99.89	NGVD29
		20040831	100.52	NGVD29
		20040928	102.83	NGVD29
275659081353501	LAKE STARR WTS-22 NRSD WELL NEAR LAKE WALES FL	20031029	106.61	NGVD29
		20031128	106.49	NGVD29
		20031223	106.21	NGVD29
		20040128	105.82	NGVD29
		20040227	105.62	NGVD29
		20040505	104.87	NGVD29
		20040604	104.46	NGVD29
		20040707	104.63	NGVD29
		20040831	105.08	NGVD29
		20040928	107.73	NGVD29
275704081345401	LAKE STARR WTS-9 NRSD WELL NEAR LAKE WALES FL	20031029	101.32	NGVD29
		20031128	101.22	NGVD29
		20031223	101.04	NGVD29
		20040128	100.75	NGVD29
		20040227	100.69	NGVD29
		20040505	99.98	NGVD29
		20040707	99.29	NGVD29
		20040812	99.48	NGVD29
		20040831	99.46	NGVD29
		20040928	100.94	NGVD29

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SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275704081351901	LAKE STARR STUS NRSD WELL NEAR LAKE WALES FL	20031029	102.49	NGVD29
		20031128	102.52	NGVD29
		20031223	102.32	NGVD29
		20040128	102.17	NGVD29
		20040227	102.15	NGVD29
		20040326	101.93	NGVD29
		20040505	101.39	NGVD29
		20040604	100.67	NGVD29
		20040707	101.15	NGVD29
		20040812	101.47	NGVD29
		20040831	102.15	NGVD29
		20040928	104.35	NGVD29
275706081351001	LAKE STARR WTS-15 NRSD WELL NEAR LAKE WALES FL	20031029	102.08	NGVD29
		20031128	102.04	NGVD29
		20031223	101.80	NGVD29
		20040128	101.57	NGVD29
		20040227	101.54	NGVD29
		20040326	101.41	NGVD29
		20040505	100.82	NGVD29
		20040604	100.26	NGVD29
		20040707	100.50	NGVD29
		20040812	100.75	NGVD29
		20040831	101.30	NGVD29
		20040928	103.79	NGVD29
275707081351901	HART FLORIDAN WELL NEAR LAKE WALES FL	20031029	95.11	NGVD29
		20031223	94.37	NGVD29
		20040128	95.35	NGVD29
		20040227	95.51	NGVD29
		20040326	93.21	NGVD29
		20040505	94.35	NGVD29
		20040604	89.61	NGVD29
		20040707	94.54	NGVD29
		20040812	95.29	NGVD29
		20040831	97.21	NGVD29
		20040928	98.73	NGVD29
275708081354501	ESTEVE FLORIDAN WELL NEAR LAKE WALES FL	20031128	101.78	NGVD29
		20031223	102.77	NGVD29
		20040128	104.02	NGVD29
		20040227	103.96	NGVD29
		20040326	101.05	NGVD29
		20040505	102.07	NGVD29
		20040604	95.77	NGVD29
		20040707	102.74	NGVD29
		20040812	103.80	NGVD29
		20040831	105.37	NGVD29
		20040928	108.13	NGVD29

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SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275709081352002	LAKE STARR 2PNS-27 NRSD WELL NEAR LAKE WALES FL	20031029	103.20	NGVD29
		20031128	103.21	NGVD29
		20031223	103.06	NGVD29
		20040128	103.05	NGVD29
		20040227	103.15	NGVD29
		20040326	102.86	NGVD29
		20040505	102.53	NGVD29
		20040604	101.68	NGVD29
		20040707	102.16	NGVD29
		20040812	102.58	NGVD29
		20040831	103.23	NGVD29
		20040928	105.01	NGVD29
275709081352003	LAKE STARR 2PNS-51 NRSD WELL NEAR LAKE WALES FL	20031029	103.12	NGVD29
		20031128	103.12	NGVD29
		20031223	102.95	NGVD29
		20040128	102.94	NGVD29
		20040227	103.02	NGVD29
		20040326	102.72	NGVD29
		20040505	102.36	NGVD29
		20040604	101.55	NGVD29
		20040707	102.05	NGVD29
		20040812	102.42	NGVD29
		20040831	103.09	NGVD29
		20040928	105.00	NGVD29
275709081352004	LAKE STARR 2PNS-101 NRSD WELL NEAR LAKE WALES FL	20031029	103.07	NGVD29
		20031128	103.05	NGVD29
		20031223	102.91	NGVD29
		20040128	102.90	NGVD29
		20040227	102.94	NGVD29
		20040326	102.65	NGVD29
		20040505	102.29	NGVD29
		20040604	101.43	NGVD29
		20040707	101.99	NGVD29
		20040812	102.36	NGVD29
		20040831	103.03	NGVD29
		20040928	104.94	NGVD29
275709081352005	LAKE STARR 2PNS-156 NRSD WELL NEAR LAKE WALES FL	20031029	102.54	NGVD29
		20031128	102.49	NGVD29
		20031223	102.37	NGVD29
		20040128	102.38	NGVD29
		20040227	102.43	NGVD29
		20040326	102.01	NGVD29
		20040505	101.74	NGVD29
		20040604	100.60	NGVD29
		20040707	101.47	NGVD29
		20040812	101.89	NGVD29
		20040831	102.58	NGVD29
		20040928	104.60	NGVD29

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SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275710081352801	LAKE STARR WTS-21 NRSD WELL NEAR LAKE WALES FL	20031029	103.50	NGVD29
		20031128	103.50	NGVD29
		20031223	103.37	NGVD29
		20040128	103.36	NGVD29
		20040227	103.46	NGVD29
		20040326	103.16	NGVD29
		20040505	102.84	NGVD29
		20040604	102.05	NGVD29
		20040707	102.54	NGVD29
		20040812	102.91	NGVD29
		20040831	103.56	NGVD29
		20040928	105.35	NGVD29
275712081354601	LAKE STARR WTS-23 NRSD WELL NEAR LAKE WALES FL	20031029	107.70	NGVD29
		20031128	107.61	NGVD29
		20031223	107.28	NGVD29
		20040128	106.89	NGVD29
		20040227	106.75	NGVD29
		20040326	106.61	NGVD29
		20040505	106.03	NGVD29
		20040604	105.56	NGVD29
		20040707	105.71	NGVD29
		20040812	106.02	NGVD29
		20040831	106.58	NGVD29
		20040928	108.75	NGVD29
275717081345801	LAKE STARR STUSE NRSD WELL NEAR LAKE WALES FL	20031029	101.90	NGVD29
		20031128	101.88	NGVD29
		20031223	101.67	NGVD29
		20040128	101.47	NGVD29
		20040227	101.42	NGVD29
		20040326	101.27	NGVD29
		20040505	100.70	NGVD29
		20040604	100.22	NGVD29
		20040707	100.51	NGVD29
		20040812	100.78	NGVD29
		20040831	101.28	NGVD29
		20040928	104.07	NGVD29
275719081353401	LAKE STARR STLW NRSD WELL NEAR LAKE WALES FL	20031029	103.69	NGVD29
		20031128	103.65	NGVD29
		20031223	103.52	NGVD29
		20040128	103.53	NGVD29
		20040227	103.62	NGVD29
		20040326	103.30	NGVD29
		20040505	102.99	NGVD29
		20040604	102.23	NGVD29
		20040707	102.70	NGVD29
		20040812	103.11	NGVD29
		20040831	103.74	NGVD29
		20040928	105.50	NGVD29

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SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275721081350301	LAKE STARR STLSE NRSD WELL NEAR LAKE WALES FL	20031029	103.21	NGVD29
		20031128	103.19	NGVD29
		20031223	103.05	NGVD29
		20040128	103.07	NGVD29
		20040227	103.17	NGVD29
		20040326	102.85	NGVD29
		20040505	102.55	NGVD29
		20040604	101.81	NGVD29
		20040707	102.20	NGVD29
		20040812	102.58	NGVD29
		20040831	103.22	NGVD29
		20040928	105.00	NGVD29
275723081344201	LAKE STARR WTS-8 NRSD WELL NEAR LAKE WALES FL	20031029	102.23	NGVD29
		20031128	102.22	NGVD29
		20031223	102.13	NGVD29
		20040128	101.88	NGVD29
		20040227	101.70	NGVD29
		20040326	101.48	NGVD29
		20040505	101.00	NGVD29
		20040604	100.58	NGVD29
		20040707	100.36	NGVD29
		20040812	100.53	NGVD29
		20040831	100.86	NGVD29
		20040928	103.63	NGVD29
275726081354701	LAKE STARR WTS-1 NRSD WELL NEAR LAKE WALES FL	20031029	107.09	NGVD29
		20031128	106.98	NGVD29
		20031223	106.68	NGVD29
		20040128	106.38	NGVD29
		20040227	106.31	NGVD29
		20040326	106.15	NGVD29
		20040505	105.66	NGVD29
		20040604	105.22	NGVD29
		20040707	105.45	NGVD29
		20040812	105.73	NGVD29
		20040831	106.31	NGVD29
		20040928	108.96	NGVD29
275729081353701	LAKE STARR STLNW NRSD WELL NEAR LAKE WALES FL	20031029	104.49	NGVD29
		20031128	104.48	NGVD29
		20031223	104.27	NGVD29
		20040128	104.33	NGVD29
		20040227	104.39	NGVD29
		20040326	104.04	NGVD29
		20040505	103.74	NGVD29
		20040604	102.89	NGVD29
		20040707	103.59	NGVD29
		20040812	104.01	NGVD29
		20040831	104.67	NGVD29
		20040928	106.54	NGVD29

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SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275731081354001	LAKE STARR STUNW NRSD WELL NEAR LAKE WALES FL	20031029	105.05	NGVD29
		20031128	105.01	NGVD29
		20031223	104.80	NGVD29
		20040128	104.76	NGVD29
		20040227	104.81	NGVD29
		20040326	104.54	NGVD29
		20040505	104.16	NGVD29
		20040604	103.33	NGVD29
		20040707	104.11	NGVD29
		20040812	104.50	NGVD29
		20040831	105.22	NGVD29
		20040928	107.51	NGVD29
275732081352402	LAKE STARR 1PNS-25 NRSD WELL NEAR LAKE WALES FL	20031029	103.77	NGVD29
		20031128	103.75	NGVD29
		20031223	103.64	NGVD29
		20040128	103.60	NGVD29
		20040227	103.74	NGVD29
		20040326	103.42	NGVD29
		20040505	103.21	NGVD29
		20040604	102.50	NGVD29
		20040707	102.85	NGVD29
		20040812	103.25	NGVD29
		20040831	103.92	NGVD29
		20040928	105.73	NGVD29
275732081352403	LAKE STARR 1PNS-50 NRSD WELL NEAR LAKE WALES FL	20031029	103.79	NGVD29
		20031128	103.76	NGVD29
		20031223	103.63	NGVD29
		20040128	103.61	NGVD29
		20040227	103.74	NGVD29
		20040326	103.44	NGVD29
		20040505	103.23	NGVD29
		20040604	102.52	NGVD29
		20040707	102.88	NGVD29
		20040812	103.28	NGVD29
		20040831	103.92	NGVD29
		20040928	105.77	NGVD29
275732081352404	LAKE STARR 1PNS-75 NRSD WELL NEAR LAKE WALES FL	20031029	103.81	NGVD29
		20031128	103.79	NGVD29
		20031223	103.63	NGVD29
		20040128	103.62	NGVD29
		20040227	103.74	NGVD29
		20040326	103.46	NGVD29
		20040505	103.23	NGVD29
		20040604	102.53	NGVD29
		20040707	102.88	NGVD29
		20040812	103.19	NGVD29
		20040831	103.93	NGVD29
		20040928	105.78	NGVD29

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SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275732081352405	LAKE STARR 1PNS-100 ICU WELL NEAR LAKE WALES FL	20031029	103.83	NGVD29
		20031128	103.78	NGVD29
	`	20031223	103.62	NGVD29
		20040128	103.67	NGVD29
		20040227	103.79	NGVD29
		20040326	103.47	NGVD29
		20040505	103.29	NGVD29
		20040604	102.52	NGVD29
		20040707	102.95	NGVD29
		20040812	103.41	NGVD29
		20040831	103.97	NGVD29
		20040928	105.75	NGVD29
275732081352406	LAKE STARR 1PNS-125 FLORIDAN WELL NR LAKE WALES FL	20031029	101.62	NGVD29
		20031128	102.06	NGVD29
		20031223	101.92	NGVD29
		20040128	102.57	NGVD29
		20040227	102.80	NGVD29
		20040326	100.92	NGVD29
		20040505	101.72	NGVD29
		20040604	96.54	NGVD29
		20040707	101.86	NGVD29
		20040812	102.63	NGVD29
		20040831	103.84	NGVD29
		20040928	106.24	NGVD29
275734081345502	LAKE STARR 3PNS-40 NRSD WELL NEAR LAKE WALES FL	20031029	103.36	NGVD29
		20031223	103.22	NGVD29
		20040128	103.15	NGVD29
		20040227	103.27	NGVD29
		20040326	103.00	NGVD29
		20040505	102.73	NGVD29
		20040604	102.02	NGVD29
		20040707	102.44	NGVD29
		20040812	102.86	NGVD29
		20040831	103.53	NGVD29
		20040928	105.47	NGVD29
275736081352301	LAKE STARR STUN NRSD WELL NEAR LAKE WALES FL	20031029	104.37	NGVD29
		20031128	104.30	NGVD29
		20031223	104.12	NGVD29
		20040128	103.98	NGVD29
		20040227	104.10	NGVD29
		20040326	103.90	NGVD29
		20040505	103.62	NGVD29
		20040604	103.09	NGVD29
		20040707	103.42	NGVD29
		20040812	103.77	NGVD29
		20040831	104.50	NGVD29
		20040928	106.75	NGVD29

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SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
275737081344401	PERRY FLORIDAN WELL NEAR LAKE WALES FL	20031029	93.43	NGVD29
		20031128	93.57	NGVD29
		20031223	94.72	NGVD29
		20040128	93.74	NGVD29
		20040227	94.01	NGVD29
		20040326	90.74	NGVD29
		20040505	92.94	NGVD29
		20040707	93.06	NGVD29
		20040812	93.83	NGVD29
		20040831	94.80	NGVD29
		20040928	97.50	NGVD29
275739081350401	LAKE STARR STLNE NRSD WELL NEAR LAKE WALES FL	20031029	103.39	NGVD29
		20031128	103.41	NGVD29
		20031223	103.26	NGVD29
		20040128	103.24	NGVD29
		20040227	103.37	NGVD29
		20040326	103.06	NGVD29
		20040505	102.83	NGVD29
		20040707	102.47	NGVD29
		20040812	102.89	NGVD29
275749081354001	LAKE STARR WTS-4 NRSD WELL NEAR LAKE WALES FL	20031029	108.25	NGVD29
		20031128	108.12	NGVD29
		20031223	107.81	NGVD29
		20040128	107.41	NGVD29
		20040227	107.23	NGVD29
		20040326	107.07	NGVD29
		20040505	106.68	NGVD29
		20040604	106.42	NGVD29
		20040707	106.50	NGVD29
		20040812	106.90	NGVD29
		20040831	107.26	NGVD29
		20040928	110.23	NGVD29
275753081350201	LAKE STARR WTS-7 NRSD WELL NEAR LAKE WALES FL	20031029	104.55	NGVD29
		20031128	104.48	NGVD29
		20031223	104.25	NGVD29
		20040128	103.97	NGVD29
		20040227	103.87	NGVD29
		20040326	103.72	NGVD29
		20040505	103.27	NGVD29
		20040604	103.00	NGVD29
		20040707	103.15	NGVD29
		20040812	103.61	NGVD29
		20040831	104.06	NGVD29
		20040928	107.36	NGVD29

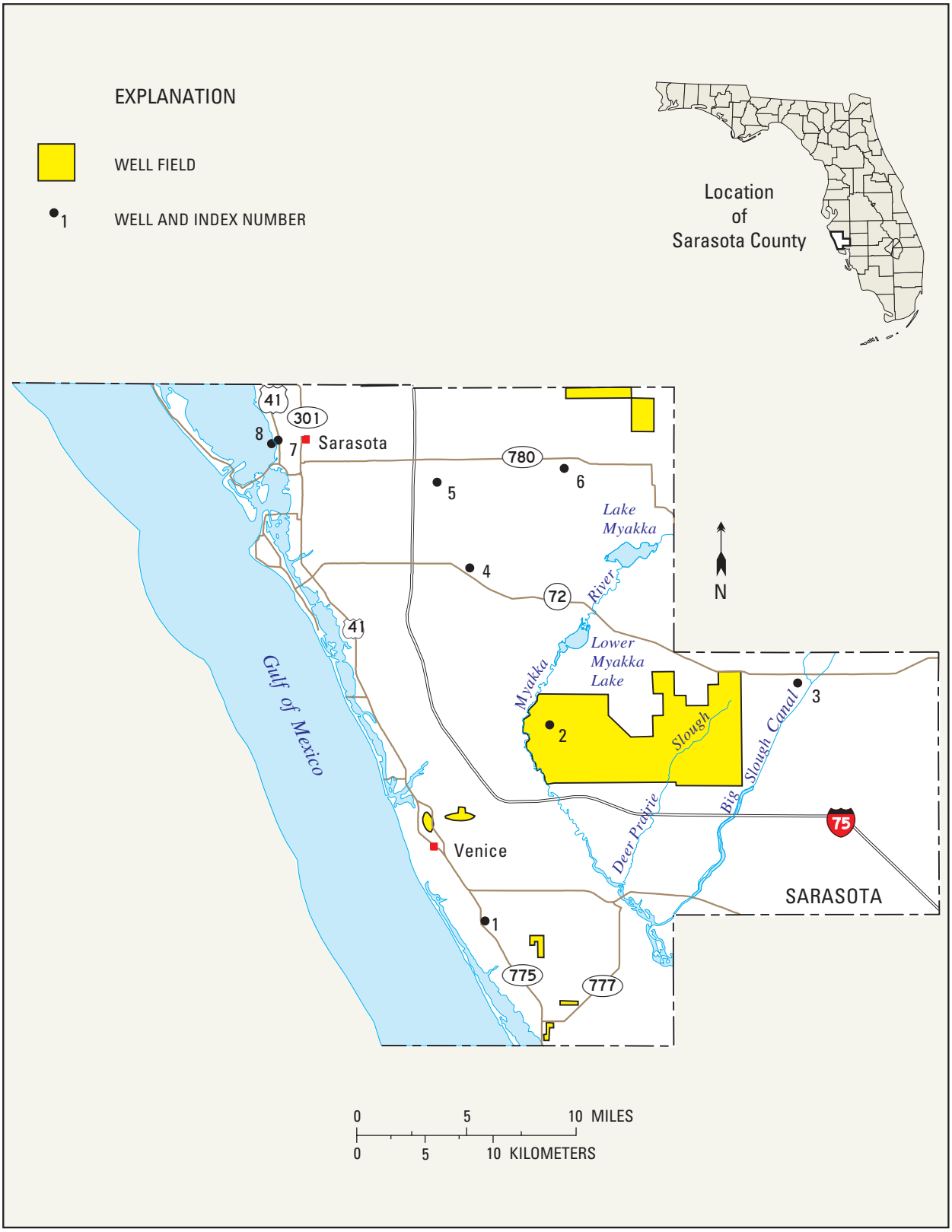


Figure 22.-- Location of wells in Sarasota County.

KEY TO SITE LOCATIONS ON FIGURE 22

SARASOTA COUNTY

INDEX NUMBER	SITE NUMBER
1	270137082235301
2	270959082203001
2	270959082203002
2	270959082203003
3	271134082092201
3	271134082092202
4	271619082240201
5	271938082251801
6	272020082194801
7	272127082323801
8	272129082330202

SARASOTA COUNTY

WELL NUMBER.--270137082235301. Manasota Deep Well 14 near Englewood, FL.

LOCATION.--Lat 27° 01'37", long 82° 23'53" (1927 North American datum), in NW1/4 SW1/4 sec.3, T.40 S., R.19 E., Hydrologic Unit 03100201, 100 ft west of State Highway 775, and 5.0 mi northwest of Englewood.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 305 ft, cased to 263 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

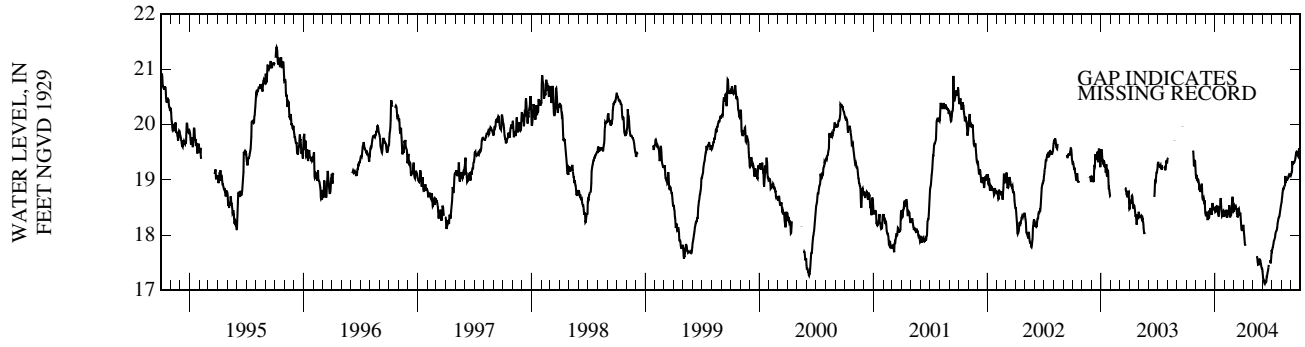
DATUM.--Land-surface datum is 15.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 10.60 ft above land-surface datum.

PERIOD OF RECORD.--November 1966 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.70 ft NGVD, Nov. 30, 1971; lowest, 17.13 ft NGVD, June 9, 2004.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	19.04	18.39	18.42	18.44	18.44	18.17	---	17.34	17.71	18.58	19.10
2	---	19.03	18.37	18.43	18.39	18.45	18.08	---	17.28	17.73	18.65	19.14
3	---	19.09	18.34	18.46	18.38	18.48	18.01	---	17.21	17.77	18.69	19.15
4	---	19.02	18.36	18.51	18.37	18.53	17.95	---	17.20	17.78	18.75	19.22
5	---	19.00	18.41	18.52	18.41	18.52	17.86	---	17.19	17.82	18.80	19.34
6	---	18.99	18.41	18.51	18.46	18.51	17.81	---	17.17	17.84	18.84	19.29
7	---	19.01	18.32	18.43	18.43	18.52	17.84	---	17.14	17.88	18.85	19.30
8	---	19.00	18.27	18.42	18.33	18.49	---	---	17.15	17.90	18.84	19.31
9	---	18.96	18.29	18.52	18.33	18.48	---	---	17.13	17.91	18.86	19.31
10	---	18.92	18.40	18.53	18.37	18.47	---	---	17.15	17.93	18.88	19.32
11	---	18.83	18.36	18.41	18.39	18.39	---	---	17.14	17.95	18.89	19.32
12	---	18.83	18.29	18.35	18.39	18.35	---	---	17.15	18.01	18.92	19.33
13	---	18.84	18.33	18.35	18.37	18.35	---	---	17.16	18.04	19.07	19.35
14	---	18.80	18.45	18.44	18.46	18.32	---	17.62	17.25	18.06	18.96	19.38
15	---	18.80	18.40	18.48	18.54	18.36	---	17.60	17.25	18.07	18.96	19.42
16	---	18.78	18.45	18.49	18.43	18.47	---	17.53	17.29	18.08	18.98	19.47
17	---	18.82	18.49	18.53	18.35	18.48	---	17.49	17.31	18.11	19.00	19.50
18	---	18.85	18.43	18.62	18.32	18.43	---	17.50	17.33	18.14	19.00	19.51
19	---	18.93	18.44	18.67	18.33	18.37	---	17.47	17.37	18.20	19.00	19.50
20	---	18.86	18.42	18.57	18.40	18.37	---	17.47	17.41	18.24	19.01	19.50
21	---	18.69	18.37	18.46	18.42	18.39	---	17.55	17.46	18.27	19.02	19.47
22	19.53	18.65	18.45	18.41	18.41	18.39	---	17.56	---	18.31	19.03	19.44
23	19.52	18.64	18.55	18.34	18.49	18.30	---	17.56	---	18.32	19.06	19.43
24	19.42	18.66	18.58	18.35	18.57	18.20	---	17.55	---	18.33	19.06	19.45
25	19.26	18.67	18.52	18.38	18.68	18.11	---	17.54	17.51	18.34	19.08	19.48
26	19.26	18.62	18.49	18.43	18.68	18.09	---	17.49	17.54	18.37	19.07	19.57
27	19.33	18.56	18.47	18.44	18.64	18.09	---	17.47	17.49	18.41	19.07	19.46
28	19.36	18.63	18.45	18.40	18.49	18.09	---	17.44	17.54	18.45	19.10	19.44
29	19.33	18.54	18.51	18.33	18.43	18.11	---	17.41	17.62	18.49	19.10	19.39
30	19.20	18.41	18.48	18.40	---	18.13	---	17.39	17.73	18.53	19.10	19.38
31	19.09	---	18.45	18.40	---	18.17	---	17.39	---	18.56	19.08	---
MAX	---	19.09	18.58	18.67	18.68	18.53	---	---	---	18.56	19.10	19.57



WELL NUMBER.--270959082203001. ROMP 19 WLAM Well near Sarasota, FL.

LOCATION.--Lat 27° 09'59", long 82° 20'30" (1927 North American datum), in SW 1/4 SE 1/4 sec.18, T.38 S., R.20 E., Hydrologic Unit 03100102, 5.2 mi south of State Highway 72, and 15.5 mi southeast of Sarasota.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 425 ft, cased to 410 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval and tipping bucket raingage recorder--15-minute interval.

DATUM.--Elevation of land-surface datum is 20 ft, from topographic map. Measuring point: Top of casing, 12.62 ft above land-surface datum.

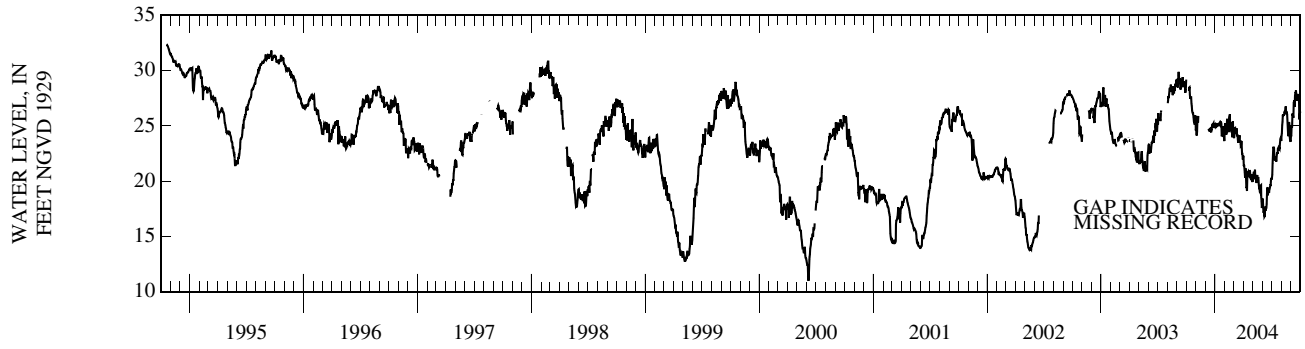
REMARKS.--Collection, computation and publication of precipitation data do not necessarily conform to standards used by the National Weather Service.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.04 ft NGVD, Jan. 27, 1984; lowest, 10.99 ft NGVD, June 6, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	24.78	---	24.90	24.80	23.98	22.22	20.16	18.35	20.30	24.11	24.14
2	---	24.28	---	25.03	25.22	23.97	21.35	20.22	18.35	20.58	24.33	25.00
3	---	24.14	---	24.95	24.34	24.30	21.49	20.63	17.73	21.58	25.08	24.85
4	---	24.46	---	25.03	24.96	24.80	21.17	20.84	17.14	22.19	25.36	24.93
5	---	25.51	---	25.16	25.18	24.81	20.79	20.55	17.20	22.97	26.01	26.12
6	---	25.90	---	25.15	24.22	24.40	20.30	20.37	17.23	23.12	25.88	25.94
7	---	25.31	---	25.02	24.78	24.42	20.96	20.91	16.78	23.06	25.98	25.91
8	---	25.90	---	25.06	25.44	24.39	21.15	21.04	16.83	23.00	25.98	25.73
9	28.17	---	---	25.18	25.64	24.47	20.16	20.25	17.46	22.16	26.01	27.12
10	28.48	---	24.73	25.18	24.50	24.78	19.37	20.20	17.71	21.99	26.28	27.19
11	28.50	---	24.69	25.11	25.00	24.30	19.45	20.25	17.34	21.88	26.27	27.32
12	27.83	---	24.64	25.08	25.13	24.13	19.11	20.04	17.56	22.12	26.14	26.72
13	27.46	---	24.51	24.98	24.43	24.13	20.34	19.84	17.57	22.25	26.49	27.72
14	27.54	---	24.61	25.10	25.14	23.74	20.86	20.36	17.93	22.05	26.77	27.98
15	27.60	---	24.58	25.28	25.79	23.47	20.80	20.55	18.88	21.78	26.59	27.98
16	27.60	---	24.74	25.30	25.92	23.66	20.75	19.93	19.38	22.12	26.21	28.20
17	27.02	---	24.78	25.25	26.04	23.56	20.88	20.12	19.38	22.50	26.23	27.89
18	26.80	---	24.75	25.18	24.59	23.92	20.85	20.39	18.72	22.61	26.23	27.42
19	26.37	---	24.42	25.35	25.11	24.16	20.37	20.08	18.90	22.47	26.01	27.41
20	26.23	---	24.69	25.32	25.31	23.68	20.69	19.66	19.03	22.92	25.32	27.38
21	26.14	---	24.69	25.17	24.90	23.63	21.01	19.39	19.16	22.98	24.69	27.29
22	26.13	---	24.88	24.05	24.70	23.63	20.88	19.40	18.95	22.76	24.20	27.90
23	26.00	---	25.11	24.13	24.41	23.23	20.27	19.05	19.24	22.87	24.07	27.56
24	25.77	---	25.12	24.80	24.55	23.30	20.58	19.00	19.35	22.91	24.70	27.34
25	25.44	---	24.93	24.97	23.98	23.64	20.10	19.30	19.48	22.97	25.35	27.31
26	25.32	---	25.16	24.00	25.21	23.20	20.46	19.62	19.65	22.94	25.10	27.33
27	25.23	---	25.22	24.62	25.42	22.51	20.64	19.65	19.65	23.43	24.05	25.58
28	25.11	---	24.81	24.82	24.42	22.49	20.35	18.54	20.15	23.75	23.73	25.77
29	25.85	---	24.96	23.98	24.06	22.34	20.00	18.16	20.30	23.90	23.63	26.18
30	25.95	---	25.04	23.73	---	21.96	19.93	17.58	20.15	23.94	23.57	26.31
31	24.58	---	24.90	23.63	---	22.22	---	18.01	---	23.64	24.14	---
MAX	---	---	---	25.35	26.04	24.81	22.22	21.04	20.30	23.94	26.77	28.20
*PREC	1.28	0.79	4.85	1.69	3.99	0.58	4.20	0.91	9.81	9.57	12.40	5.07



SARASOTA COUNTY--Continued

WELL NUMBER.--270959082203002. ROMP 19 WUAM Well near Sarasota, FL.

LOCATION.--Lat 27° 09'59", long 82° 20'30" (1927 North American datum), in SW 1/4 SE 1/4 sec.18, T.38 S., R.20 E., Hydrologic Unit 03100102, 5.2 mi south of State Highway 72, and 15.5 mi southeast of Sarasota.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 18 in., depth 205 ft, cased to 87 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Elevation of land-surface datum is 20 ft, from topographic map. Measuring point: Top of recorder shelter floor, 12.31 ft above land-surface datum.

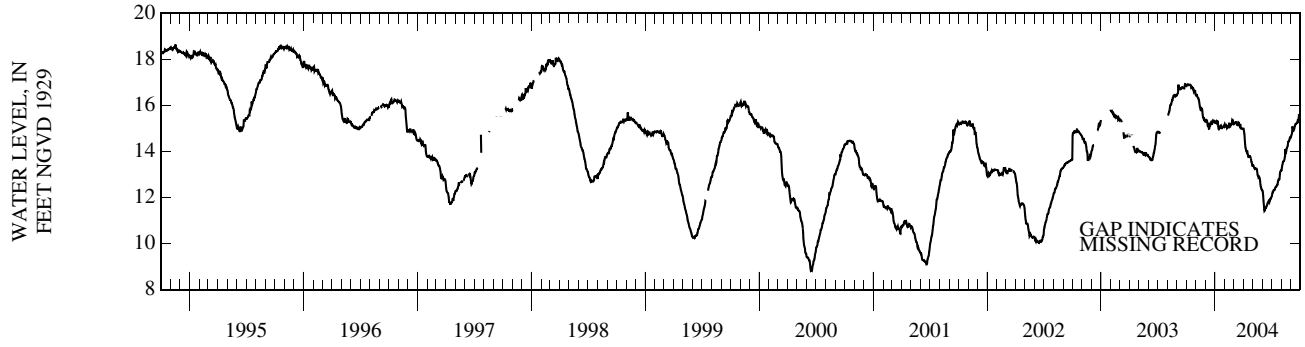
PERIOD OF RECORD.--July 1981 to September 1991; October 1991 to September 1993 (periodic); October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.70 ft NGVD, estimated, Sept. 3, 1988; lowest, 8.83 ft NGVD, June 14, 17, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.84	16.44	15.30	15.25	15.19	15.20	14.99	13.39	12.30	12.07	13.18	14.71
2	16.88	16.45	15.30	15.26	15.14	15.20	14.94	13.38	12.24	12.18	13.29	14.73
3	16.90	16.49	15.31	15.30	15.09	15.21	14.83	13.38	12.09	12.23	13.38	14.77
4	16.90	16.42	15.34	15.32	15.08	15.25	14.74	13.34	11.88	12.23	13.42	14.83
5	16.90	16.39	15.36	15.33	15.10	15.26	14.56	13.29	11.72	12.26	13.51	15.09
6	16.91	16.35	15.34	15.31	15.13	15.25	14.33	13.27	11.55	12.29	13.56	15.02
7	16.90	16.33	15.25	15.24	15.11	15.26	14.19	13.26	11.43	12.33	13.57	14.91
8	16.89	16.32	15.15	15.26	15.02	15.26	14.14	13.25	11.45	12.33	13.58	14.90
9	16.90	16.25	15.07	15.33	15.04	15.27	14.07	13.26	11.51	12.33	13.59	14.92
10	16.90	16.23	15.12	15.31	15.07	15.27	14.02	13.26	11.55	12.33	13.64	14.96
11	16.90	16.16	15.07	15.09	15.08	15.18	13.99	13.26	11.57	12.37	13.75	15.01
12	16.89	16.06	14.99	14.99	15.08	15.19	14.02	13.25	11.56	12.44	13.79	15.09
13	16.88	15.97	15.00	14.97	15.07	15.18	14.01	13.25	11.58	12.46	14.11	15.12
14	16.89	15.91	15.14	14.99	15.19	15.16	13.90	13.22	11.63	12.48	13.92	15.18
15	16.87	15.83	15.07	15.01	15.25	15.20	13.84	13.11	11.66	12.48	13.93	15.19
16	16.78	15.80	15.22	15.02	15.16	15.26	13.79	13.00	11.71	12.49	13.97	15.21
17	16.79	15.80	15.24	15.03	15.08	15.25	13.76	12.96	11.75	12.51	14.12	15.21
18	16.80	15.83	15.19	15.12	15.08	15.19	13.73	12.95	11.77	12.55	14.15	15.23
19	16.76	15.86	15.21	15.13	15.14	15.16	13.77	12.87	11.80	12.56	14.17	15.24
20	16.74	15.83	15.20	15.06	15.19	15.12	13.81	12.89	11.84	12.68	14.21	15.24
21	16.72	15.75	15.16	15.02	15.19	15.16	13.81	12.90	11.86	12.72	14.27	15.31
22	16.76	15.58	15.24	15.02	15.17	15.16	13.80	12.87	11.84	12.78	14.40	15.29
23	16.75	15.50	15.32	15.01	15.19	15.04	13.77	12.81	11.81	12.79	14.41	15.30
24	16.67	15.47	15.34	15.03	15.25	15.00	13.74	12.71	11.89	12.79	14.46	15.35
25	16.59	15.45	15.29	15.07	15.38	14.99	13.69	12.57	11.93	12.80	14.47	15.43
26	16.61	15.38	15.28	15.08	15.37	14.99	13.56	12.47	11.95	12.87	14.49	15.63
27	16.64	15.36	15.27	15.09	15.30	15.00	13.55	12.45	11.94	13.03	14.57	15.49
28	16.64	15.39	15.29	15.07	15.20	15.00	13.50	12.39	11.99	13.13	14.61	15.41
29	16.63	15.35	15.32	15.06	15.19	15.00	13.40	12.37	12.02	13.15	14.62	15.42
30	16.51	15.31	15.30	15.11	---	14.99	13.41	12.33	12.04	13.17	14.60	15.42
31	16.46	---	15.26	15.15	---	14.99	---	12.32	---	13.17	14.64	---
MAX	16.91	16.49	15.36	15.33	15.38	15.27	14.99	13.39	12.30	13.17	14.64	15.63

WTR YR 2004 MAX 16.91



WELL NUMBER.--270959082203003. ROMP 19 WS Well near Sarasota, FL.

LOCATION.--Lat 27° 09'59", long 82° 20'30" (1927 North American datum), in SW 1/4 SE 1/4 sec.18, T.38 S., R.20 E., Hydrologic Unit 03100102, 5.2 mi south of State Highway 72, and 15.5 mi southeast of Sarasota.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 67 ft, cased to 32 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Elevation of land-surface datum is 20 ft, from topographic map. Measuring point: Top of recorder shelter floor, 2.90 ft above land-surface datum.

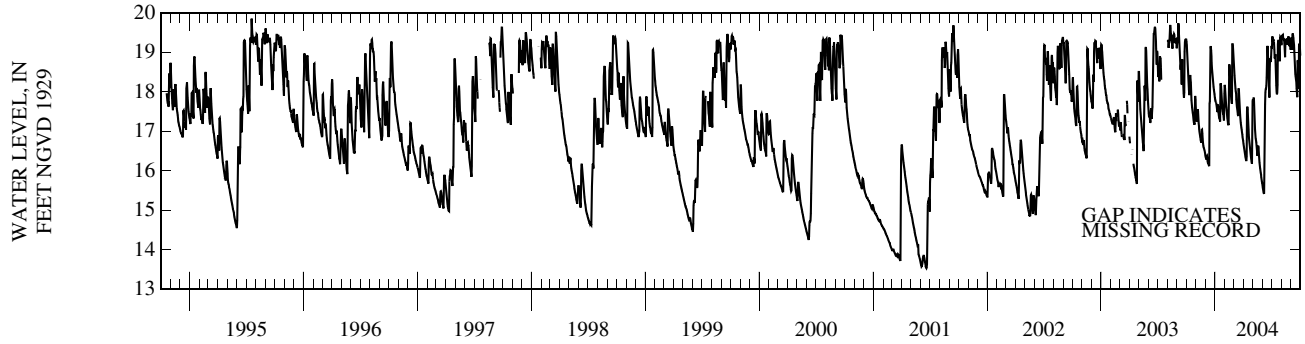
PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.86 ft NGVD, July 18, 1995; lowest, 13.54 ft NGVD, June 19, 2001.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.27	17.43	16.39	17.81	18.18	18.74	16.69	17.81	15.63	19.10	19.21	19.38
2	19.19	17.31	16.35	17.77	18.09	18.59	16.63	17.65	15.57	19.41	19.35	19.35
3	19.09	17.25	16.32	17.75	17.97	18.42	16.58	17.84	15.52	19.39	19.43	19.24
4	18.96	17.30	16.29	17.73	17.82	18.31	16.52	17.86	15.47	19.27	19.44	19.07
5	18.79	17.50	16.37	17.68	17.70	18.19	16.46	17.62	15.44	19.32	19.45	19.43
6	18.63	17.56	16.38	17.62	17.61	18.08	16.41	17.37	15.42	19.32	19.37	19.48
7	18.41	17.51	16.31	17.55	17.53	18.01	16.36	17.19	15.77	19.23	19.32	19.43
8	18.22	17.35	16.24	17.49	17.43	17.96	16.32	17.06	16.69	19.23	19.35	19.36
9	18.06	17.21	16.20	17.63	17.34	17.81	16.28	16.93	17.69	19.08	19.32	19.27
10	17.96	17.13	16.19	17.68	17.28	17.72	16.25	16.83	17.99	18.85	19.22	19.19
11	17.92	17.06	16.18	17.62	17.22	17.62	16.37	16.78	18.08	18.87	19.07	19.03
12	18.32	16.99	16.14	17.48	17.18	17.57	17.52	16.72	18.09	18.96	18.88	18.82
13	18.43	16.94	16.12	17.40	17.16	17.50	17.63	16.64	18.15	18.75	19.26	18.61
14	18.33	16.88	17.71	17.35	18.03	17.43	17.55	16.55	18.37	18.44	19.31	18.45
15	18.25	16.82	17.76	17.33	18.70	17.39	17.35	16.45	18.80	18.17	19.31	18.39
16	17.99	16.77	18.67	17.30	18.66	18.07	17.17	16.38	19.11	18.00	19.21	18.32
17	17.79	16.74	19.14	17.25	18.45	18.09	17.04	16.47	19.17	17.94	19.31	18.27
18	17.69	16.72	19.14	18.18	18.30	17.92	16.92	16.64	19.06	17.98	19.36	18.09
19	17.60	17.04	19.05	18.22	18.10	17.71	16.81	16.58	18.82	18.18	19.30	17.97
20	17.53	17.05	18.91	18.14	17.99	17.55	16.73	16.46	18.55	19.21	19.25	17.87
21	17.47	16.95	18.74	17.95	17.92	17.42	16.64	16.33	18.30	19.30	19.20	18.77
22	17.42	16.81	18.60	17.81	17.82	17.33	16.56	16.22	18.05	19.30	19.35	18.81
23	17.37	16.71	18.51	17.69	17.74	17.22	16.49	16.15	17.86	19.18	19.41	18.56
24	17.29	16.64	18.41	17.58	17.70	17.15	16.42	16.07	18.56	19.00	19.38	18.27
25	17.23	16.60	18.32	17.51	19.20	17.09	16.34	16.01	18.83	18.78	19.28	18.08
26	17.21	16.58	18.22	17.46	19.23	17.04	16.29	15.95	18.84	18.79	19.16	19.15
27	17.17	16.55	18.13	17.44	19.17	16.97	16.23	15.90	18.76	19.28	19.29	19.21
28	17.51	16.52	18.06	17.37	19.05	16.92	16.18	15.84	18.82	19.40	19.32	19.22
29	17.90	16.47	18.00	17.28	18.90	16.86	17.28	15.79	19.04	19.39	19.25	19.11
30	17.80	16.42	17.94	17.45	---	16.81	17.75	15.73	19.17	19.27	19.07	18.92
31	17.60	---	17.86	17.96	---	16.76	---	15.69	---	19.21	19.21	---
MAX	19.27	17.56	19.14	18.22	19.23	18.74	17.75	17.86	19.17	19.41	19.45	19.48

WTR YR 2004 MAX 19.48



WELL NUMBER.--271134082092201. Big Slough Deep Well near Arcadia, FL.

LOCATION.--Lat 27° 11'34", long 82° 09'22" (1927 North American datum), in NE 1/4 NE 1/4 sec.12, T.38 S., R.22 E., Hydrologic Unit 03100102, 30 ft south of State Highway 72, and 17.5 mi west of Arcadia.

AQUIFER.--Hawthorn formation of Miocene Age, Geologic Unit 122HTRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 100 ft, cased to 78 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 33.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC extension, 3.33 ft above land-surface datum.

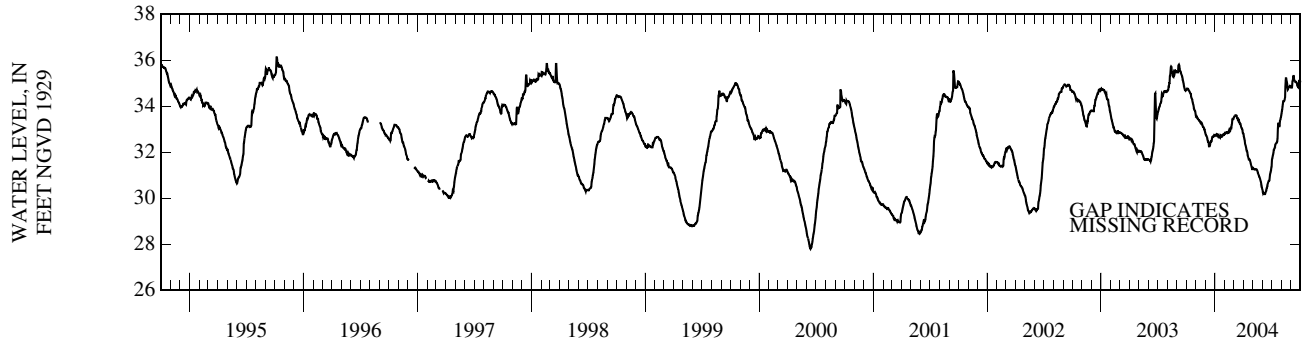
PERIOD OF RECORD.--December 1977 to current year. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1982, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.11 ft.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 36.12 ft NGVD, Oct. 6, 7, 1995; lowest, 27.80 ft NGVD, June 13, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34.71	33.54	32.83	32.72	32.83	33.49	32.80	31.31	30.37	31.68	33.68	34.81
2	34.74	33.54	32.77	32.73	32.81	33.53	32.70	31.28	30.27	31.73	33.79	34.81
3	34.76	33.55	32.74	32.75	32.81	33.55	32.63	31.28	30.21	31.80	33.85	34.81
4	34.76	33.51	32.71	32.77	32.82	33.59	32.57	31.28	30.24	31.87	33.98	34.88
5	34.76	33.48	32.70	32.78	32.85	33.60	32.50	31.26	30.24	31.93	34.08	35.06
6	34.75	33.47	32.66	32.76	32.87	33.60	32.37	31.26	30.20	32.00	34.21	35.11
7	34.74	33.44	32.58	32.71	32.87	33.60	32.33	31.25	30.20	32.10	34.21	35.20
8	34.70	33.42	32.52	32.72	32.84	33.60	32.28	31.25	30.18	32.12	34.21	35.31
9	34.68	33.40	32.47	32.77	32.83	33.60	32.21	31.26	30.18	32.14	34.21	35.31
10	34.66	33.39	32.47	32.77	32.85	33.59	32.13	31.26	30.20	32.17	34.25	35.18
11	34.64	33.37	32.44	32.68	32.85	33.51	32.06	31.26	30.25	32.24	34.31	35.12
12	34.60	33.37	32.28	32.65	32.85	33.48	32.05	31.26	30.30	32.32	34.36	35.09
13	34.58	33.36	32.22	32.64	32.85	33.47	32.02	31.25	30.37	32.35	34.87	35.07
14	34.55	33.32	32.32	32.66	32.92	33.43	31.88	31.23	30.45	32.38	35.12	35.07
15	34.53	33.29	32.27	32.67	32.96	33.39	31.82	31.21	30.47	32.40	35.21	35.07
16	34.41	33.27	32.36	32.67	32.92	33.43	31.78	31.17	30.54	32.41	35.21	35.05
17	34.36	33.24	32.40	32.65	32.91	33.41	31.74	31.11	30.58	32.42	35.11	35.03
18	34.34	33.23	32.44	32.75	32.93	33.34	31.69	31.07	30.62	32.49	35.07	35.01
19	34.30	33.26	32.47	32.74	32.98	33.28	31.69	31.04	30.67	32.60	34.95	34.99
20	34.23	33.23	32.47	32.70	33.04	33.24	31.68	31.00	30.71	33.03	34.80	34.90
21	34.15	33.18	32.48	32.67	33.06	33.24	31.67	30.94	30.75	33.24	34.72	34.87
22	34.11	33.14	32.58	32.68	33.05	33.23	31.64	30.92	30.75	33.24	34.74	34.86
23	34.09	33.11	32.66	32.68	33.17	33.17	31.59	30.89	30.77	33.20	34.78	34.82
24	34.01	33.10	32.68	32.70	33.22	33.11	31.52	30.84	30.90	33.13	34.81	34.81
25	33.93	33.08	32.68	32.73	33.41	33.07	31.47	30.79	31.04	33.13	34.84	34.89
26	33.86	33.05	32.68	32.76	33.45	33.05	31.42	30.73	31.09	33.18	34.85	35.11
27	33.84	32.99	32.68	32.77	33.45	33.02	31.37	30.68	31.15	33.36	34.85	35.06
28	33.80	32.98	32.71	32.75	33.44	32.99	31.30	30.61	31.21	33.39	34.88	35.12
29	33.78	32.91	32.75	32.71	33.46	32.93	31.23	30.54	31.32	33.45	34.87	35.12
30	33.70	32.85	32.74	32.76	---	32.83	31.29	30.47	31.39	33.50	34.85	35.03
31	33.61	---	32.74	32.81	---	32.82	---	30.42	---	33.60	34.81	---
MAX	34.76	33.55	32.83	32.81	33.46	33.60	32.80	31.31	31.39	33.60	35.21	35.31

CAL YR 2003 MAX 35.81
WTR YR 2004 MAX 35.31



WELL NUMBER.--271134082092202. Big Slough Shallow Well near Arcadia, FL.

LOCATION.--Lat 27° 11'34", long 82° 09'22" (1927 North American datum), in NE 1/4 NE 1/4 sec.12, T.38 S., R.22 E., Hydrologic Unit 03100102, 30 ft south of State Highway 72, and 17.5 mi west of Arcadia.

AQUIFER.--Nonartesian sand aquifer of Pleistocene/Pliocene Age, Geologic Unit 112NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 19 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

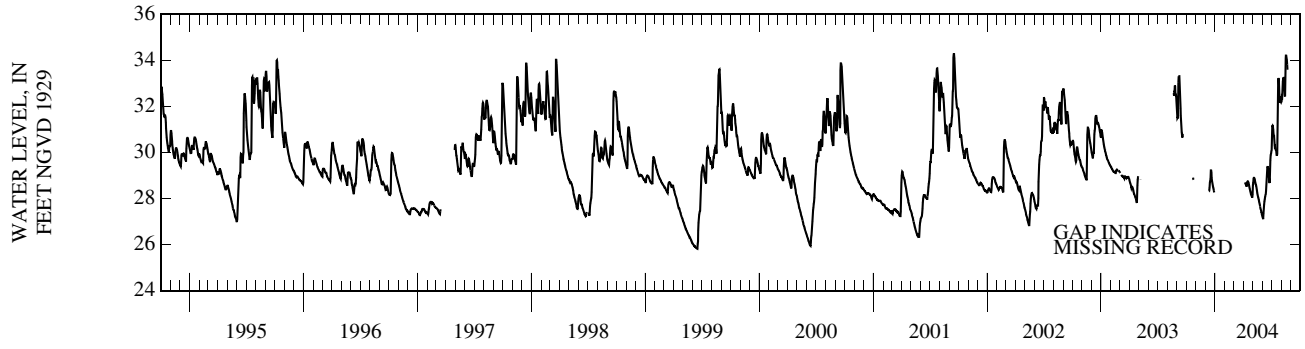
DATUM.--Land-surface datum is 33.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 3.65 ft above land-surface datum.

PERIOD OF RECORD.--December 1977 to current year. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1982, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of +0.07 ft.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 34.51 ft NGVD, June 27, 1992; lowest, 25.80 ft NGVD, June 16, 18, 1989.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	28.59	27.21	30.77	32.22	---
2	---	---	---	---	---	---	---	28.69	27.17	31.15	32.43	---
3	---	---	---	---	---	---	---	28.86	27.11	31.17	32.41	---
4	---	---	---	---	---	---	---	28.90	27.36	31.13	32.79	---
5	---	---	---	---	---	---	---	28.90	27.53	30.99	33.08	---
6	---	---	---	---	---	---	28.70	28.87	27.75	30.80	33.22	---
7	---	---	---	---	---	---	28.66	28.82	27.87	30.72	33.23	---
8	---	---	---	---	---	---	28.63	28.77	27.96	30.72	33.16	---
9	---	---	---	---	---	---	28.60	28.69	28.07	30.53	33.05	---
10	---	---	---	---	---	---	28.56	28.62	28.13	30.32	32.83	---
11	---	---	---	---	---	---	28.52	28.60	28.17	30.16	32.49	---
12	---	---	28.37	---	---	---	28.67	28.53	28.33	30.20	32.44	---
13	---	---	28.36	---	---	---	28.73	28.44	28.59	30.14	33.55	---
14	---	---	28.47	---	---	---	28.75	28.36	28.82	30.10	34.10	---
15	---	---	28.70	---	---	---	28.75	28.25	29.10	30.04	34.21	---
16	---	---	28.77	---	---	---	28.73	28.17	29.34	29.90	34.21	---
17	---	---	28.85	---	---	---	28.69	28.12	29.37	29.86	34.11	---
18	---	---	29.22	---	---	---	28.63	28.05	29.37	29.94	34.02	---
19	---	---	29.22	---	---	---	28.57	28.00	29.29	30.58	33.83	---
20	---	---	29.12	---	---	---	28.50	27.94	29.14	32.37	33.60	---
21	---	---	28.90	---	---	---	28.43	27.86	28.99	33.16	---	---
22	28.91	---	28.78	---	---	---	28.38	27.81	28.86	33.23	---	---
23	28.85	---	28.70	---	---	---	28.32	27.74	28.71	33.19	---	---
24	28.82	---	28.62	---	---	---	28.26	27.65	28.68	32.89	---	---
25	---	---	28.54	---	---	---	28.19	27.57	29.19	32.47	---	---
26	---	---	28.48	---	---	---	28.16	27.54	29.67	32.15	---	---
27	---	---	28.42	---	---	---	28.12	27.50	29.89	32.41	---	---
28	---	---	28.34	---	---	---	28.09	27.43	29.93	32.41	---	---
29	---	---	28.27	---	---	---	28.04	27.39	30.03	32.33	---	---
30	---	---	---	---	---	---	28.18	27.31	30.08	32.22	---	---
31	---	---	---	---	---	---	---	27.26	---	32.19	---	---
MAX	---	---	---	---	---	---	---	28.90	30.08	33.23	---	---



WELL NUMBER.--271619082240201. Florida Cities Test Well 1 near Sarasota, FL.

LOCATION.--Lat 27° 16'19", long 82° 24'02" (1927 North American datum), in SE 1/4 SE 1/4 sec.9, T.37 S., R.19 E., Hydrologic Unit 03l00201, 20 ft east of Bee Ridge Road, 1.0 mi north of State Highway 72, and 9.0 mi southeast of Sarasota.

AQUIFER.--Suwannee limestone of Oligocene Age, Geologic Unit 123SWNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in.,depth 446 ft, cased to 104 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 34.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.99 ft above land-surface datum.

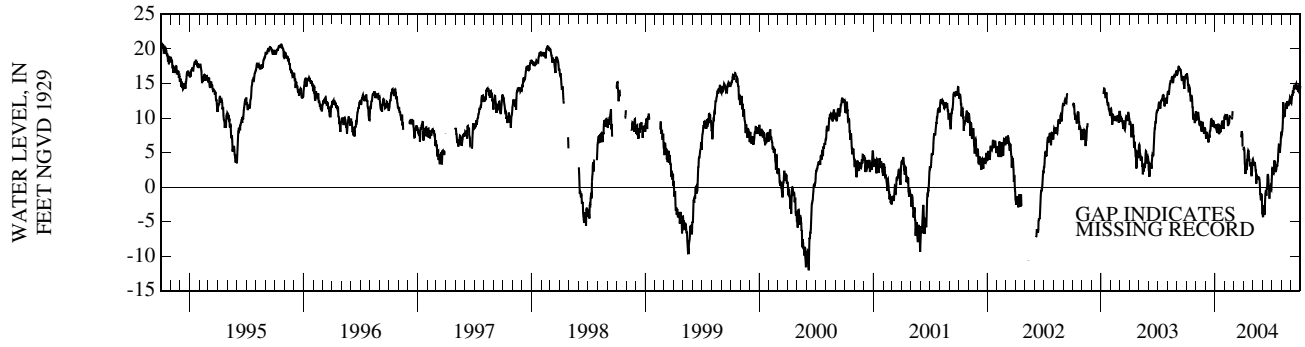
REMARKS.--Water level affected by pumping of nearby irrigation wells.

PERIOD OF RECORD.--March 1974 to December 1974 (periodic); January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -1.74 ft.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.30 ft NGVD, estimated, Mar. 8, 9, 1978; lowest, 20.37 ft below NGVD, May 5, 1976.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.04	10.80	8.00	8.88	10.05	---	5.34	4.03	-3.76	1.70	7.55	12.10
2	16.32	10.19	7.71	8.88	10.26	---	5.83	3.79	-4.20	2.77	7.91	12.58
3	16.47	10.15	7.00	9.10	10.15	---	5.68	3.38	-4.37	2.76	7.95	12.94
4	16.02	9.80	7.77	8.81	9.79	---	5.22	3.38	-3.09	2.11	8.47	13.42
5	15.88	9.84	7.62	8.34	10.30	---	3.41	3.12	-2.66	1.92	9.34	13.21
6	14.82	10.65	7.98	8.16	10.31	---	3.09	3.49	-2.87	1.89	12.27	13.80
7	14.82	10.89	7.73	7.99	10.55	---	1.89	3.64	-3.90	2.31	10.21	13.78
8	13.86	10.69	7.48	7.96	10.35	---	2.23	3.39	-3.90	3.17	10.17	13.60
9	13.89	10.14	7.30	8.92	9.92	---	3.43	2.98	-1.95	3.86	10.32	14.28
10	14.24	9.85	6.59	9.16	9.59	---	3.02	2.38	-1.01	3.71	10.32	14.56
11	14.38	9.45	6.59	8.89	8.84	---	2.44	2.38	-0.65	2.58	10.18	14.71
12	14.18	9.02	7.33	8.26	8.97	---	3.86	0.49	-0.69	2.38	10.97	14.70
13	13.29	9.00	7.39	8.15	9.04	---	3.86	1.58	-1.25	2.28	11.76	14.40
14	13.00	9.59	7.14	7.65	9.40	---	4.53	1.65	-0.22	2.28	12.06	14.40
15	12.40	9.37	8.18	8.12	9.40	---	5.02	1.49	-0.22	2.45	12.05	14.16
16	13.21	8.81	8.04	8.82	10.26	---	5.29	1.10	0.39	2.94	11.88	14.83
17	13.23	8.60	8.42	8.75	10.23	---	5.21	1.23	1.48	3.29	11.65	14.96
18	13.00	8.26	9.40	7.94	10.00	---	4.88	1.23	1.87	2.97	11.36	14.66
19	12.79	8.04	9.82	8.93	10.26	---	3.95	1.08	1.76	3.52	11.93	14.63
20	11.60	8.88	9.84	8.84	---	---	3.95	1.39	1.09	3.68	12.45	14.16
21	11.52	9.32	9.61	8.49	---	---	3.14	1.35	0.00	4.78	12.07	14.14
22	9.78	9.31	9.55	9.16	---	---	3.14	1.03	-0.13	5.54	11.72	14.07
23	9.90	8.86	9.17	9.47	---	---	3.47	0.55	-1.68	6.14	12.14	14.15
24	10.25	8.63	8.73	9.49	9.79	7.21	3.46	-1.01	-0.60	6.11	11.86	13.89
25	10.56	8.27	9.27	9.26	10.24	7.68	2.94	-1.01	0.15	5.03	12.02	13.83
26	10.31	7.76	9.66	8.77	11.00	8.07	1.70	-1.77	0.22	5.21	12.53	14.36
27	9.64	8.37	9.50	8.62	---	7.91	1.70	-1.91	0.03	4.98	12.62	14.85
28	9.26	8.23	9.37	8.42	---	7.52	2.08	-0.99	-0.36	5.82	13.04	14.84
29	9.76	8.62	8.91	9.16	---	5.97	3.27	-1.09	-0.42	6.20	12.93	14.04
30	10.55	8.36	8.70	9.74	---	5.94	3.94	-1.52	0.61	7.23	12.27	14.66
31	10.95	---	8.54	10.09	---	---	---	-3.76	---	7.64	12.17	---
MAX	16.47	10.89	9.84	10.09	---	---	5.83	4.03	1.87	7.64	13.04	14.96



WELL NUMBER.--271938082251801. Sarasota Well 9 near Sarasota, FL.

LOCATION.--Lat 27° 19'38", long 82° 25'18" (1927 North American datum), in SW 1/4 SE 1/4 sec.20, T.36 S., R.19 E., Hydrologic Unit 03100201, 0.8 mi south of State Highway 780, and 5.0 mi east of Sarasota.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, unused irrigation, artesian well, diameter 8 in., depth 730 ft, cased to 101 ft.

INSTRUMENTATION.--Water-stage and tipping bucket raingage recorders--60-minute interval.

DATUM.--Land-surface datum is 33.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 4.00 ft above land-surface datum.

REMARKS.--Water level affected by pumping of nearby irrigation wells. Collection, computation and publication of precipitation data do not necessarily conform to standards used by the National Weather Service.

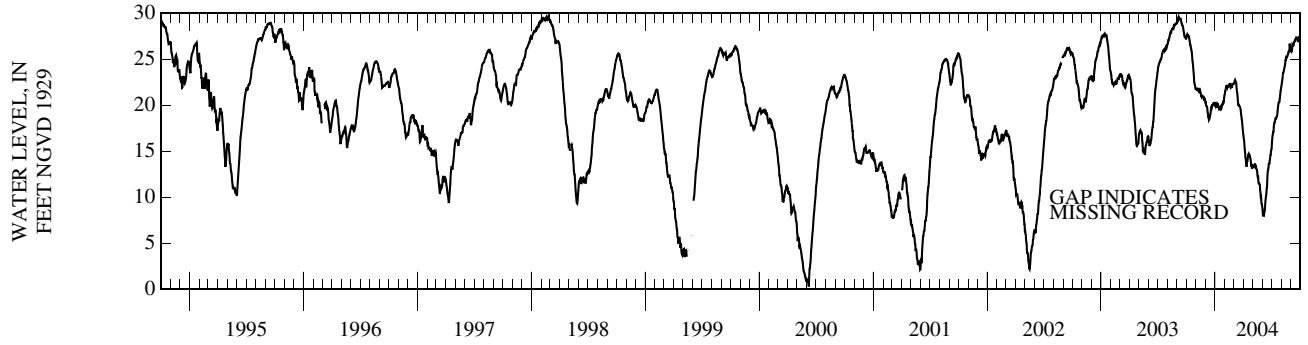
PERIOD OF RECORD.--September 1930 to December 1931 (periodic); January 1932 to April 1937; November 1941 to current year. Records of water levels prior to January 1943 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.76 ft NGVD, Mar. 7, 1931; lowest daily maximum water level, 0.31 ft NGVD, June 7, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.37	21.74	20.31	19.90	21.15	22.39	16.64	13.43	8.72	15.94	22.16	25.90
2	27.49	21.72	20.31	20.09	21.47	22.39	16.34	13.39	8.15	16.42	22.43	25.84
3	27.61	21.79	19.96	20.14	21.52	22.50	16.18	13.42	7.92	16.74	22.66	25.94
4	27.69	21.79	19.90	19.91	21.71	22.66	15.61	13.43	8.13	16.84	22.90	26.14
5	27.62	21.58	19.86	20.00	21.99	22.74	15.14	13.36	8.27	17.09	23.25	26.60
6	27.59	21.74	19.83	19.95	22.08	22.66	14.88	13.46	8.19	17.11	23.49	26.55
7	27.59	21.86	19.57	19.71	22.10	22.48	14.34	13.60	8.50	17.58	23.55	26.51
8	27.45	21.55	19.21	19.94	22.02	22.44	14.19	13.65	8.55	17.90	23.70	26.49
9	27.42	21.50	19.03	20.15	22.16	22.29	13.87	13.44	9.10	18.07	23.90	26.64
10	27.26	21.76	18.74	20.14	21.94	21.83	13.49	13.29	9.56	18.20	24.04	26.83
11	27.05	21.76	18.74	19.96	22.02	21.52	13.30	13.33	9.86	18.22	24.16	26.90
12	26.79	21.57	18.40	19.79	22.09	21.29	13.77	13.12	10.14	18.56	24.35	26.99
13	26.57	21.62	18.46	19.79	22.13	20.96	13.84	13.02	10.35	18.59	24.86	27.05
14	26.53	21.44	18.54	19.62	22.22	20.46	14.13	12.97	10.97	18.53	24.87	27.02
15	26.27	21.43	18.75	19.66	22.25	20.07	14.38	12.68	11.06	18.55	25.03	27.17
16	26.09	21.33	18.93	19.61	22.18	20.08	14.58	12.24	11.84	18.67	25.18	27.25
17	25.95	21.04	19.08	19.64	22.10	19.98	14.68	12.15	12.43	18.82	25.12	27.35
18	25.74	21.05	19.42	19.60	22.03	19.92	14.71	12.18	12.84	18.88	25.23	27.31
19	25.34	20.90	19.70	19.78	22.19	19.92	14.60	11.55	13.00	19.32	25.26	27.31
20	24.83	20.96	19.77	19.73	22.27	19.83	14.63	11.51	13.16	19.65	25.32	27.26
21	24.65	21.01	19.74	19.68	22.23	19.77	14.53	11.50	13.64	19.98	25.44	27.14
22	24.27	21.00	19.96	19.87	22.06	19.65	14.36	11.46	13.66	20.21	25.57	27.10
23	23.99	20.89	19.97	20.02	21.94	19.42	14.17	11.37	13.57	20.30	25.80	26.98
24	23.63	20.87	19.96	20.09	21.95	19.00	14.04	10.83	13.96	20.32	25.85	26.94
25	23.21	20.82	20.03	20.09	22.15	18.77	13.69	10.49	14.17	20.36	25.83	26.93
26	22.53	20.48	20.17	20.38	22.27	18.46	13.44	10.06	14.55	20.64	25.83	27.52
27	22.35	20.60	20.15	20.38	22.27	18.26	13.46	10.09	14.60	20.85	26.69	27.16
28	22.24	20.71	20.15	20.35	22.30	17.81	13.21	9.73	15.01	21.23	26.27	26.95
29	21.99	20.62	20.25	20.51	22.31	17.61	13.19	9.26	15.15	21.54	26.23	26.91
30	21.77	20.54	20.25	20.83	---	17.24	13.40	9.23	15.30	21.75	26.19	26.89
31	21.75	---	19.95	21.04	---	16.88	---	8.98	---	21.95	26.04	---
MAX	27.69	21.86	20.31	21.04	22.31	22.74	16.64	13.65	15.30	21.95	26.69	27.52
*PREC	1.30	0.77	3.47	2.14	7.27	0.24	1.83	0.05	6.95	10.05	12.40	10.08

CAL YR 2003 MAX 29.59
WTR YR 2004 MAX 27.69



WELL NUMBER.--272020082194801. Verna T Well 0-4 near Verna, FL.

LOCATION.--Lat 27° 20'20", long 82° 19'48" (1927 North American datum), in NE 1/4 NW 1/4 sec.20, T.36 S., R.20 E., Hydrologic Unit 03100102, 60 ft north of State Highway 780, and 5.0 mi southwest of Verna.

AQUIFER.--Tampa limestone of Miocene Age, Geologic Unit 122TAMP.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 500 ft, cased to 140 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Elevation of land-surface datum is 43 ft, from topographic map. Measuring point: Top of recorder shelter floor, 3.0 ft above land-surface datum.

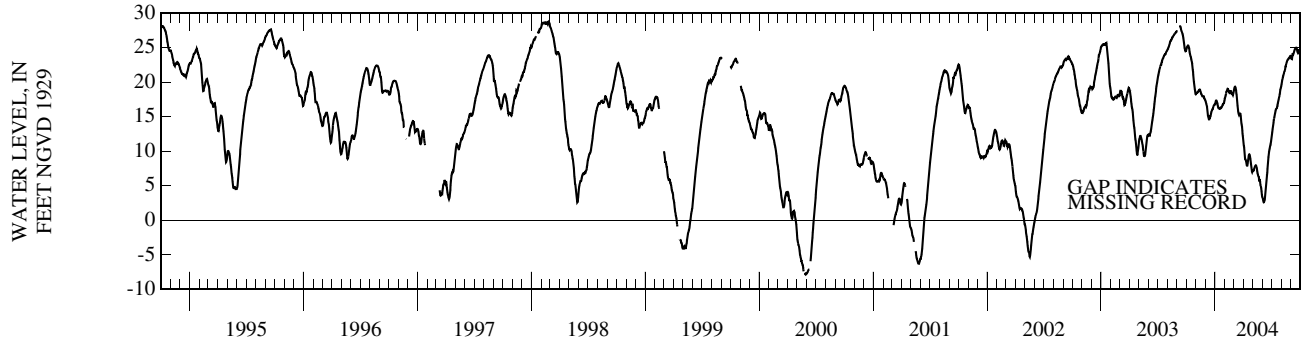
PERIOD OF RECORD.--February 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 28.75 ft NGVD, Feb. 17, 1998; lowest, 7.83 ft below NGVD, May 28, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.74	18.29	17.35	16.79	17.51	18.77	11.25	7.14	3.32	12.42	19.68	23.45
2	24.91	18.38	17.16	17.06	17.68	18.99	10.83	7.20	3.16	12.76	19.98	23.35
3	25.06	18.46	17.02	17.23	17.93	19.16	10.57	7.18	2.93	13.19	20.24	23.32
4	25.14	18.48	16.83	17.32	18.11	19.31	10.06	7.27	2.72	13.52	20.40	23.51
5	25.21	18.48	16.69	17.32	18.33	19.33	9.47	7.45	2.60	13.80	20.68	23.98
6	25.29	18.51	16.43	17.23	18.62	19.26	8.88	7.54	2.62	14.13	20.90	23.95
7	25.29	18.59	16.01	16.97	18.70	19.02	8.80	7.69	2.75	14.47	21.02	23.93
8	25.21	18.67	15.61	16.93	18.72	18.78	8.75	7.80	2.94	14.71	21.16	24.03
9	25.07	18.73	15.16	16.64	18.93	18.44	8.60	7.89	3.45	14.91	21.39	24.18
10	24.83	18.85	14.99	16.57	19.02	18.20	8.33	7.94	3.90	15.18	21.54	24.33
11	24.39	18.89	14.81	16.35	19.00	17.71	8.05	7.96	4.38	15.43	21.62	24.49
12	24.16	18.94	14.62	16.24	18.92	17.12	7.92	7.86	4.91	15.67	21.77	24.67
13	23.95	18.93	14.63	16.24	18.76	16.60	7.93	7.72	5.44	15.89	22.24	24.77
14	23.80	18.84	14.80	16.23	18.60	16.17	8.17	7.44	6.01	16.09	22.27	24.87
15	23.67	18.73	14.69	16.16	18.63	15.74	8.54	7.06	6.52	16.15	22.37	24.91
16	23.37	18.53	15.01	16.14	18.41	15.51	8.86	6.81	6.91	16.20	22.54	24.95
17	23.17	18.34	15.08	16.14	18.39	15.33	9.15	6.63	7.43	16.25	22.76	24.98
18	23.01	18.26	15.31	16.29	18.43	15.19	9.35	6.46	8.05	16.49	22.92	24.96
19	22.68	18.21	15.55	16.30	18.58	15.27	9.51	6.36	8.60	16.72	23.03	24.81
20	22.25	18.06	15.72	16.26	18.70	15.36	9.53	6.29	9.11	16.99	23.18	24.54
21	21.80	17.96	15.80	16.32	18.69	15.43	9.44	5.63	9.50	17.19	23.25	24.35
22	21.46	17.96	15.88	16.37	18.53	15.40	9.20	5.92	9.92	17.41	23.30	24.27
23	21.06	17.96	16.06	16.45	18.39	15.05	8.89	5.84	10.19	17.61	23.37	24.19
24	20.56	17.96	16.13	16.57	18.29	14.52	8.51	5.55	10.41	17.78	23.40	24.20
25	20.07	17.95	16.16	16.73	18.29	14.07	8.13	5.09	10.68	17.96	23.49	24.32
26	19.66	17.77	16.30	16.76	18.23	13.81	7.82	4.95	10.87	18.21	23.55	24.72
27	19.32	17.65	16.47	16.87	18.15	13.50	7.46	4.82	11.09	18.45	23.61	24.52
28	18.96	17.64	16.63	16.93	18.32	12.97	7.06	4.57	11.35	18.89	23.75	24.31
29	18.67	17.50	16.70	16.96	18.59	12.53	6.96	4.17	11.74	19.01	23.79	24.30
30	18.28	17.40	16.77	17.10	---	12.18	7.09	3.68	12.09	19.22	23.77	24.32
31	18.23	---	16.80	17.33	---	11.72	---	3.42	---	19.41	23.65	---
MAX	25.29	18.94	17.35	17.33	19.02	19.33	11.25	7.96	12.09	19.41	23.79	24.98

WTR YR 2004 MAX 25.29



WELL NUMBER.--272127082323801. City of Sarasota 23rd and Coconut Well near Sarasota, FL.

LOCATION.--Lat 27° 21'27", long 82° 32'38" (1927 North American datum), in NW 1/4 NW 1/4 sec.18, T.36 S., R.18 E., Hydrologic Unit 03100201, 200 ft north of 23rd Street, 0.5 mi east of Coconut Street, and 1.6 mi northwest of Sarasota.

AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 570 ft, cased to 45 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 9.37 ft above National Geodetic Vertical Datum of 1929 (levels by City of Sarasota). Measuring point: Top of flange, 3.10 ft above land-surface datum.

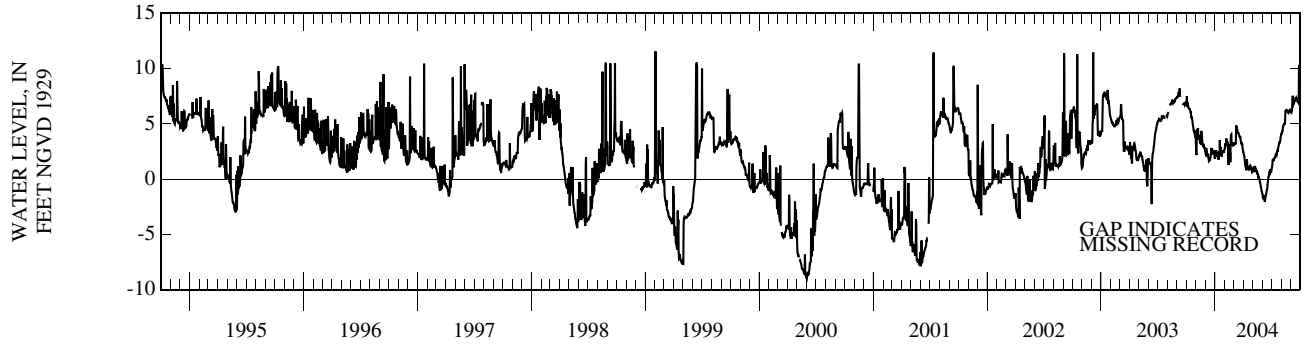
REMARKS.--Water level affected by pumping of nearby wells.

PERIOD OF RECORD.--October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.56 ft NGVD, Feb. 2, 1999; lowest, 9.01 ft below NGVD, June 1, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.67	2.55	2.48	2.07	2.82	3.09	2.42	0.99	-1.31	1.03	4.10	6.01
2	7.50	2.18	2.29	2.17	2.98	3.17	2.26	1.03	-1.61	1.23	4.15	6.18
3	7.04	3.79	2.37	2.39	3.27	3.19	2.15	0.96	-1.68	1.68	4.30	6.22
4	6.87	3.61	2.78	2.51	3.04	3.24	1.99	0.96	-1.61	1.82	4.33	6.46
5	6.87	4.56	2.45	2.61	3.10	3.22	1.71	0.80	-1.66	1.61	4.60	7.17
6	6.69	3.84	2.27	2.22	3.68	3.24	1.40	0.63	-1.75	1.85	4.77	7.55
7	6.53	4.61	2.17	2.14	3.37	3.24	1.18	0.80	-1.49	1.71	4.91	6.90
8	6.43	3.58	2.02	2.00	3.46	4.65	1.16	1.20	-2.07	1.84	4.94	6.77
9	6.39	3.88	2.31	2.20	3.23	4.78	0.99	1.01	-1.91	1.88	4.98	6.85
10	6.37	3.81	1.99	2.22	3.08	4.77	0.87	0.96	-1.68	1.95	5.02	6.87
11	6.35	3.84	1.85	1.97	3.12	4.39	0.80	0.83	-1.58	1.94	5.02	7.07
12	6.33	3.78	1.64	1.76	1.67	4.47	1.80	0.75	-1.37	1.98	5.25	7.21
13	6.20	3.45	1.69	2.00	1.29	4.31	1.19	0.69	-1.29	2.19	6.16	7.00
14	6.07	3.38	1.86	2.18	3.18	4.24	1.02	0.81	-1.03	2.18	6.18	7.25
15	6.07	3.46	1.65	2.21	2.84	4.17	0.97	0.66	-0.96	2.23	6.19	7.41
16	5.58	3.24	1.93	3.53	2.66	4.17	1.07	0.47	-0.86	2.19	6.25	7.31
17	5.55	3.15	1.95	2.50	2.53	4.08	1.08	0.42	-0.51	2.44	6.28	7.37
18	5.60	4.37	2.29	2.90	2.42	3.96	1.18	0.23	-0.28	2.61	6.26	7.31
19	5.50	3.27	2.20	2.75	1.52	3.85	1.00	0.05	-0.06	2.46	6.16	7.29
20	5.24	3.88	2.83	2.50	3.63	3.82	1.08	0.18	0.21	2.68	6.10	7.10
21	4.96	3.19	2.58	2.59	4.00	3.84	1.01	0.11	0.26	2.78	6.06	7.01
22	4.78	3.09	2.27	2.05	4.05	3.82	1.09	0.00	0.49	3.01	6.07	6.99
23	4.68	3.15	2.43	2.42	3.23	3.41	1.19	-0.15	0.43	3.12	6.03	6.97
24	4.49	3.11	2.44	2.36	3.08	3.24	1.13	-0.32	0.41	3.31	6.21	6.94
25	4.35	3.11	2.41	2.42	3.20	3.19	1.02	-0.41	0.47	3.31	6.05	7.09
26	4.28	2.99	2.66	2.49	3.26	3.26	0.88	-0.65	0.92	3.29	6.14	10.34
27	4.26	2.81	2.40	2.49	3.26	3.26	0.78	-0.76	0.65	3.37	6.22	---
28	4.05	2.79	2.43	2.60	3.06	3.07	0.61	-0.89	0.70	3.50	6.36	7.31
29	3.74	2.67	2.40	2.38	3.09	2.84	0.65	-1.04	0.70	3.75	6.27	7.24
30	4.39	2.70	1.99	2.57	---	2.68	0.85	-1.16	0.93	3.91	6.09	7.14
31	3.41	---	1.86	2.67	---	2.48	---	-1.25	---	4.10	6.05	---
MAX	7.50	4.61	2.83	3.53	4.05	4.78	2.42	1.20	0.93	4.10	6.36	---



WELL NUMBER.--272129082330202. City of Sarasota Hickory Avenue Well near Sarasota, FL.

LOCATION.--Lat 27° 21'29", long 82° 33'02" (1927 North American datum), in NE 1/4 NE 1/4 sec.13, T.36 S., R.17 E., Hydrologic Unit 03100201, 200 ft east of Hickory Avenue, 0.2 mi west of U. S. Highway 41, and 1.7 mi northwest of Sarasota.

AQUIFER.--Upper Floridan aquifer of Tertiary Age, Geologic Unit 120FLRD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 591 ft, cased to 38 ft.

INSTRUMENTATION.--Water-stage recorder--60-minute interval.

DATUM.--Land-surface datum is 18.13 ft above National Geodetic Vertical Datum of 1929 (levels by City of Sarasota). Measuring point: Top of 6 in. flange, 3.41 ft above land-surface datum.

REMARKS.--Water level affected by pumpage of nearby production well.

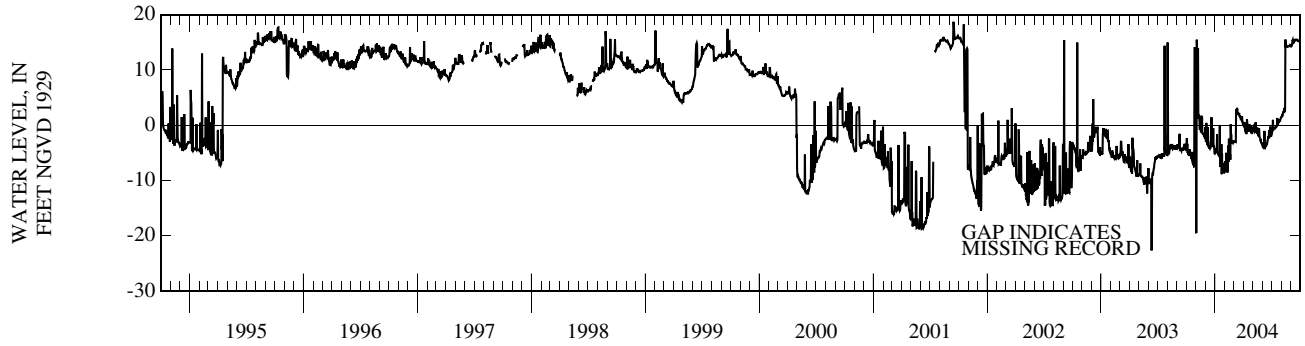
PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.71 ft NGVD, Sept. 15, 2001; lowest, 28.54 ft below NGVD, May 17, 1989.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-4.68	-19.38	-0.32	-4.96	-8.45	-3.02	0.23	-1.04	-3.48	-1.50	1.46	14.26
2	-2.34	-19.36	-2.80	-4.91	-6.80	-3.07	-0.02	-0.67	-3.94	-1.09	1.61	14.36
3	-4.58	15.48	-3.00	-4.71	-6.50	-3.04	-0.13	-0.74	-4.00	-0.70	1.77	14.49
4	-3.36	13.56	0.43	-4.67	-8.20	-2.95	0.59	0.11	-3.11	0.97	1.76	14.64
5	-5.04	13.92	-2.98	-4.21	-6.93	-2.98	-0.32	-0.96	-3.96	-0.67	2.11	15.29
6	-4.70	13.62	-3.16	-4.94	-5.01	-2.99	-0.85	-1.14	-4.10	-0.75	2.35	15.45
7	-5.28	13.98	-3.44	-1.61	-8.02	-3.04	-1.13	-1.01	-1.02	-0.64	2.35	15.08
8	-4.92	1.14	-3.51	-5.10	-6.73	2.74	-1.11	0.38	-4.32	-0.49	2.36	15.01
9	-5.56	1.66	-0.42	-4.91	-8.32	2.76	-1.34	-0.88	-4.07	-0.54	3.15	15.18
10	-4.94	1.70	-3.52	-4.90	-8.55	2.85	-1.43	0.53	-3.90	-0.58	2.51	15.11
11	-4.94	1.50	-3.78	-5.18	-5.63	2.32	-1.61	-1.16	-3.82	-0.60	2.50	15.23
12	-4.29	0.72	-4.04	-5.35	-3.68	3.02	1.07	-1.26	-3.72	-0.47	2.74	15.34
13	-5.35	-0.81	-4.08	-5.19	-6.61	2.28	0.31	-1.33	-3.68	-0.36	15.50	15.32
14	-5.04	0.34	-4.05	-4.94	-2.45	2.12	-0.80	-1.39	-3.35	-0.35	14.36	15.48
15	-5.59	1.25	-4.15	-4.94	-4.99	2.13	-1.11	-0.41	-3.33	-0.29	14.39	15.50
16	-5.94	-1.08	-3.92	0.04	-5.06	2.02	-0.80	-1.59	-3.19	-0.25	14.40	15.50
17	-5.98	-1.29	-3.95	-7.51	-5.18	1.99	-1.03	-0.95	-2.83	-0.12	14.38	15.50
18	-6.07	1.73	-2.95	-5.31	-5.29	2.23	-0.61	-1.70	-2.60	1.31	14.25	15.50
19	-4.81	-1.19	-3.81	-6.55	-6.24	1.67	0.20	-1.98	-2.41	-0.05	14.23	15.50
20	-6.66	1.52	1.42	-7.53	0.16	1.62	-1.11	-0.56	-1.99	0.09	14.20	15.36
21	-6.81	-1.44	-0.59	-3.42	-1.94	1.61	-0.07	-0.68	-2.16	0.26	14.22	15.32
22	-7.03	-1.53	-3.81	-8.85	-1.88	1.57	-0.04	-2.07	-0.85	0.50	14.22	15.27
23	-7.08	-1.56	-3.63	-5.15	-3.29	1.11	-0.06	-2.28	-1.92	0.57	14.24	15.26
24	-6.30	-1.57	-3.63	-8.55	-3.09	1.15	-1.05	-2.39	-2.07	1.09	14.26	15.24
25	-6.83	-1.57	-3.70	-8.50	-3.06	1.07	-1.22	-2.70	-1.97	0.68	14.29	15.33
26	-7.59	-1.90	-0.54	-8.45	-2.70	0.97	-0.26	-2.68	-0.25	0.80	14.37	15.49
27	13.97	-2.11	-3.80	-8.46	-2.93	1.66	-1.56	-3.07	-1.91	0.85	14.45	---
28	13.98	-1.68	-3.80	-6.82	-3.14	0.74	-1.40	-3.15	-1.86	0.91	14.54	15.58
29	13.87	-2.49	-3.91	-7.12	-3.00	0.57	-0.55	-3.23	-1.87	1.16	14.48	15.32
30	13.68	-1.74	-5.07	-8.38	---	0.32	-1.12	-3.34	-1.65	1.36	14.37	---
31	13.50	---	-5.13	-8.51	---	0.23	---	-3.49	---	1.43	14.25	---
MAX	13.98	15.48	1.42	0.04	0.16	3.02	1.07	0.53	-0.25	1.43	15.50	---

CAL YR 2003 MAX 15.48



SARASOTA COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
265652082185801	ENGLEWOOD WELL 150 NEAR ENGLEWOOD FL	20040517	6.88	NGVD29
		20040922	9.32	NGVD29
265712082205701	ENGLEWOOD WATER DT R-2 NEAR ENGLEWOOD FL	20040517	1.62	NGVD29
		20040922	4.14	NGVD29
265809082194001	ENGLEWOOD WELL TW 6 NR ENGLEWOOD FL	20040517	6.97	NGVD29
		20040922	9.23	NGVD29
270058082152502	N PORT ON SITE MON WELL NEAR NORTH PORT FL	20040517	25.09	NGVD29
		20040922	28.99	NGVD29
270058082152503	N PORT ONSITE SH MONITOR WELL NEAR NORTH PORT FL	20040517	24.06	NGVD29
		20040922	26.83	NGVD29
270106082214101	ENGLEWOOD DEEP ZONE 3 NEAR ENGLEWOOD FL	20040517	10.23	NGVD29
		20040921	12.81	NGVD29
270240082235701	ROMP TR4-2 TAMPA WELL NEAR VENICE FL	20040518	21.13	NGVD29
		20040921	23.46	NGVD29
270420082230502	VENICE GARDENS SUWANNEE WELL NEAR VENICE FL	20040521	24.63	NGVD29
		20040921	25.83	NGVD29
270420082230503	VENICE GARDENS HAWTHORN WELL NEAR VENICE FL	20040521	14.42	NGVD29
		20040921	19.10	NGVD29
270432082085701	ROMP 9 AVON PARK WELL NR NORTHPORT FL	20040527	39.11	NGVD29
		20040921	42.66	NGVD29
270432082085702	ROMP 9 SUWANNEE WELL NEAR NORTHPORT FL	20040527	38.21	NGVD29
		20040921	42.71	NGVD29
270432082085703	ROMP 9 TAMPA/NOCATEE WELL NEAR NORTHPORT FL	20040527	37.76	NGVD29
		20040921	42.26	NGVD29
270432082085704	ROMP 9 ARCADIA WELL NEAR NORTHPORT FL	20040527	20.72	NGVD29
		20040921	24.96	NGVD29
270432082085705	ROMP 9 PEACE RIVER WELL NEAR NORTHPORT FL	20040527	16.36	NGVD29
		20040921	20.47	NGVD29
270432082085706	ROMP 9 NRSD WELL NEAR NORTHPORT FL	20040527	15.31	NGVD29
		20040921	16.88	NGVD29
270542082261801	VENICE WELL 35 NEAR VENICE FL	20040517	3.37	NGVD29
		20040920	5.04	NGVD29
270808082152601	MABRY CARLTON CW-6 (14-FS) SWNN W. NR SARASOTA FL	20040517	29.90	NGVD29
		20040914	36.13	NGVD29
270808082152603	MABRY CARLTON CW-6 (14-ES) HTRN W NR SARASOTA FL	20040517	23.13	NGVD29
		20040914	27.12	NGVD29
270808082270502	ROMP TR5-1 SUWANNEE WELL AT LAUREL FL	20040524	17.32	NGVD29
		20040921	20.90	NGVD29
270808082270503	ROMP TR5-1 HAWTHORN WELL AT LAUREL FL	20040524	5.88	NGVD29
		20040921	10.00	NGVD29

SARASOTA COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
270816082192601	MABRY CARLTON CW-1 (3F) SWNN WELL NEAR SARASOTA FL	20040517	24.62	NGVD29
		20040913	31.40	NGVD29
270835082194101	MABRY CARLTON (STM-24A) TAMPA WELL NR SARASOTA FL	20040517	21.30	NGVD29
		20040913	28.76	NGVD29
270901082193102	MABRY CARLTON CW-2 (SM 21A)SWNN W NR SARASOTA FL	20040517	22.84	NGVD29
		20040915	21.32	NGVD29
270919082234202	ROMP TR5-2 UPPER HAWTHORN MONITOR NEAR LAUREL FL	20040524	7.84	NGVD29
		20040921	11.15	NGVD29
270919082234203	ROMP TR5-2 LOWER HAWTHORN MONITOR NEAR LAUREL FL	20040524	18.11	NGVD29
		20040921	26.01	NGVD29
270919082234205	ROMP TR5-2 SUWANNEE MONITOR NEAR LAUREL FL	20040524	20.85	NGVD29
		20040921	28.39	NGVD29
270926082155101	MABRY CARLTON CW-5 (14-FN) SUWANNEE NR SARASOTA FL	20040517	27.64	NGVD29
		20040915	35.33	NGVD29
270928082172601	MABRY CARLTON OM-41 SWNN WELL NEAR SARASOTA FL	20040517	24.74	NGVD29
		20040913	33.05	NGVD29
271017082123101	MABRY CARLTON CW-7 (20F) SWNN WELL NR SARASOTA FL	20040517	31.31	NGVD29
		20040915	38.58	NGVD29
271100082172701	MABRY CARLTON CW-3 (6F) SWNN WELL NEAR SARASOTA FL	20040517	23.88	NGVD29
		20040914	32.75	NGVD29
271100082172702	MABRY CARLTON CW-3 (6E) HTRN WELL NEAR SARASOTA FL	20040517	23.56	NGVD29
		20040914	28.66	NGVD29
271137082074801	ROMP 18 SUWANNEE WELL NEAR SARASOTA FL	20040517	32.85	NGVD29
		20040920	41.46	NGVD29
271137082284501	ROMP 20 SUWANNEE OB-3 WELL NEAR OSPREY FL	20040524	18.08	NGVD29
		20040923	32.10	NGVD29
271137082284502	ROMP 20 HAWTHORN AT OSPREY FL	20040524	13.84	NGVD29
		20040923	20.02	NGVD29
271137082284503	ROMP TR-20 UPPER HAWTHORN WELL AT OSPREY FL	20040524	-4.77	NGVD29
		20040923	1.71	NGVD29
271227082084801	MABRY CARLTON WELL 6 NEAR MYAKKA CITY FL	20040517	33.03	NGVD29
271757082241301	BEE RIDGE WELL 15 NEAR SARASOTA FL	20040517	8.17	NGVD29
		20040920	22.65	NGVD29
271813082201301	ROMP 22 AVON PARK WELL NEAR UTOPIA FL	20040517	7.77	NGVD29
		20040920	24.86	NGVD29
271813082201302	ROMP 22 SUWANNEE WELL NEAR UTOPIA FL	20040517	9.69	NGVD29
		20040920	26.61	NGVD29
271813082201303	ROMP 22 LOW INTERMEDIATE WELL NEAR FRUITVILLE FL	20040517	9.75	NGVD29
		20040920	26.61	NGVD29

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 2003 TO SEPTEMBER 2004

SARASOTA COUNTY

SITE-ID	STATION NAME	WATER-LEVEL DATE	WATER-LEVEL MSL FEET	WATER-LEVEL DATUM CODE
271813082201304	ROMP 22 UPPER INTERMEDIATE WELL NEAR FRUITVILLE FL	20040517	13.57	NGVD29
		20040920	25.06	NGVD29
271813082201305	ROMP 22 SURFICIAL WELL NEAR FRUITVILLE FL	20040517	29.83	NGVD29
		20040920	32.06	NGVD29
272049082324501	ROMP TR SA-1 NRSD WELL NEAR SARASOTA FL	20040524	2.33	NGVD29
		20040923	3.08	NGVD29
272049082324502	ROMP TR SA-1 SUWANNEE WELL NEAR SARASOTA FL	20040524	8.67	NGVD29
		20040923	16.31	NGVD29
272049082324503	ROMP TR SA-1 UPPER INTER WELL NEAR SARASOTA FL	20040524	5.64	NGVD29
		20040923	11.78	NGVD29
272053082320202	STA INJ DEEP MTR 2 NEAR SARASOTA FL	20040518	8.09	NGVD29
		20040922	16.39	NGVD29
272119082325101	WHITAKER BAY WELL NEAR SARASOTA FL	20040518	3.20	NGVD29
		20040921	7.61	NGVD29
272127082295301	KENSINGTON PARK WELL 1 NEAR SARASOTA FL	20040518	7.35	NGVD29
		20040922	18.23	NGVD29
272133082324701	CITY SARASOTA 27TH ST WELL NEAR SARASOTA FL	20040518	3.52	NGVD29
		20040922	10.52	NGVD29
272317082302402	COUNTY PUMP STATION 1 3 INCH WELL NEAR SARASOTA FL	20040923	15.26	NGVD29

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Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter (mm)
	2.54×10^{-2}	meter (m)
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^{0}	kilometer (km)
	Area	
acre	4.047×10^{3}	square meter (m^2)
	4.047×10^{-1}	square hectometer (hm^2)
	4.047×10^{-3}	square kilometer (km^2)
square mile (mi^2)	2.590×10^{0}	square kilometer (km^2)
	Volume	
gallon (gal)	3.785×10^{0}	liter (L)
	3.785×10^{-3}	cubic meter (m^3)
	3.785×10^{0}	cubic decimeter (dm^3)
million gallons (Mgal)	3.785×10^{3}	cubic meter (m^3)
	3.785×10^{-3}	cubic hectometer (hm^3)
cubic foot (ft^3)	2.832×10^{-2}	cubic meter (m^3)
	2.832×10^{1}	cubic decimeter (dm^3)
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter (m^3)
	2.447×10^{-3}	cubic hectometer (hm^3)
acre-foot (acre-ft)	1.233×10^{3}	cubic meter (m^3)
	1.233×10^{-3}	cubic hectometer (hm^3)
	1.233×10^{-6}	cubic kilometer (km^3)
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m^3/s)
	2.832×10^{1}	cubic decimeter per second (dm^3/s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m^3/s)
	6.309×10^{-2}	cubic decimeter per second (dm^3/s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second (m^3/s)
	4.381×10^{1}	cubic decimeter per second (dm^3/s)
	Mass	
ton (short)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (° C) may be converted to degrees Fahrenheit (°F) as follows:

°F = (1.8 x °C) + 32

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