

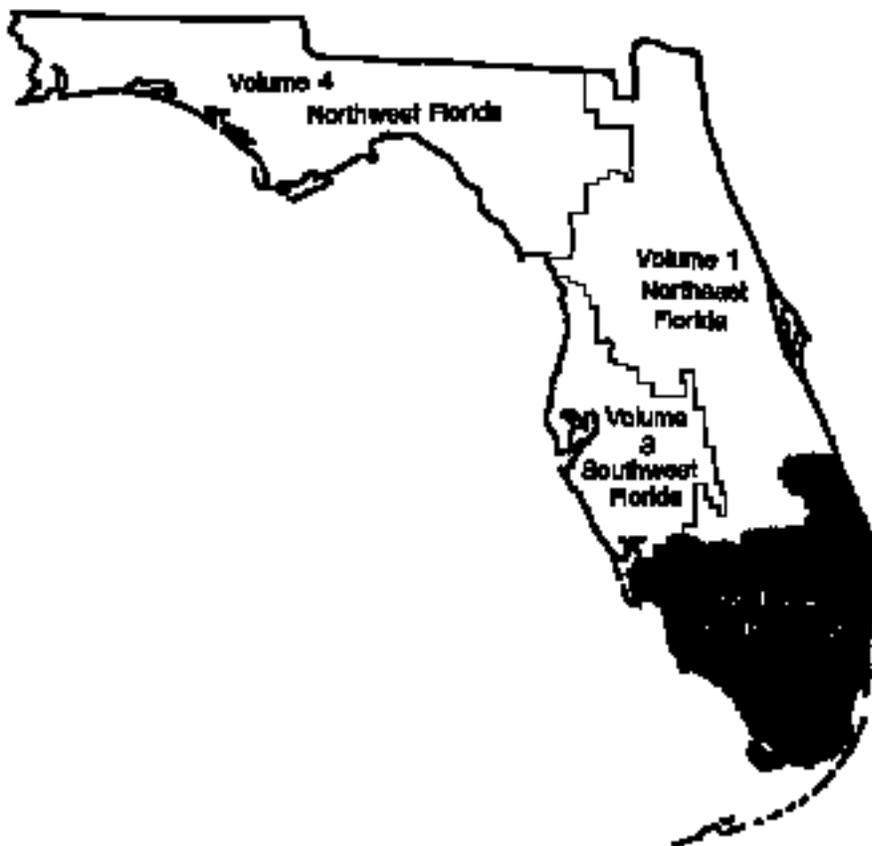
U.S. Department of the Interior  
U.S. Geological Survey

# Water Resources Data Florida Water Year 2001

## Volume 2B. South Florida Ground Water

By S. Prinos, K. Overton, M. Byrne

Water-Data Report FL-01-2B



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



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## VOLUME 2B: SOUTH FLORIDA

PREFACE

This volume of the annual hydrologic data report of Florida is one of a series of annual reports that document hydrologic data gathered from 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. Figure 1 shows the area covered by volume 2B.

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 the Hydrologic Records Section under the supervision of M. H. Murray, J. Woolverton, E. C. Price, and S. Prinos. Lillian R. Feltman and Eleanor Seymore were the primary persons responsible for the compilation of the data report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, 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 under the general supervision of Maria M. Irizarry, Subsdistrict Chief, and Carl Goodwin, District Chief, Florida.

Hydrologic data for south Florida are contained in two volumes

Volume 2A:	Surface Water
Volume 2B:	Ground Water

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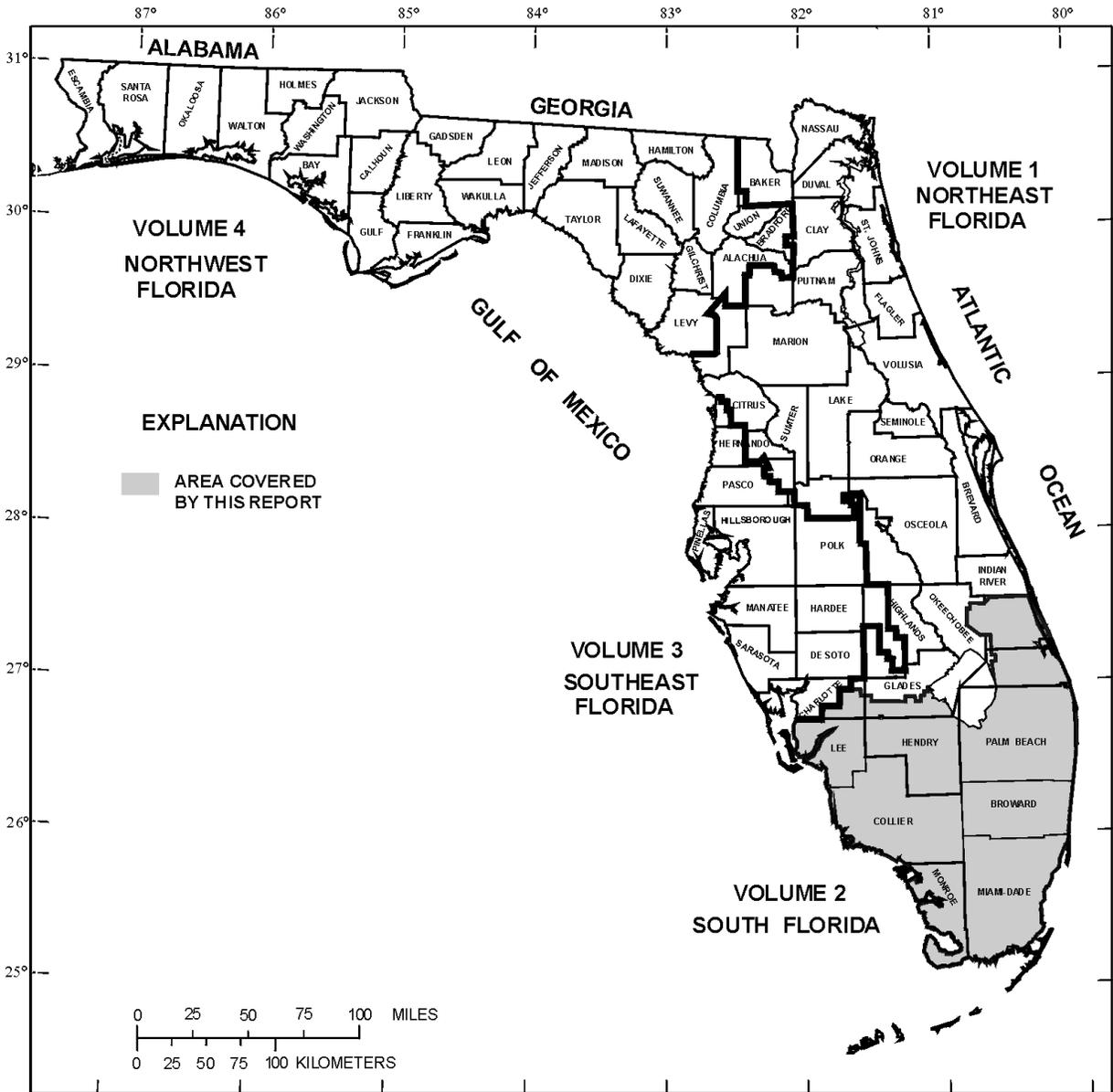


Figure 1. Geographic area covered by this report.

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INTRODUCTION

The U.S. Geological Survey (USGS), in cooperation with State, County, and other 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 USGS, the data are published annually in this report series entitled "Water Resources Data - Florida, Volume 2A: South Florida Surface Water and Volume 2B: South Florida Ground Water."

This report series includes records of stage, discharge, and water quality of streams; and stage, contents, and water quality of lakes; and ground-water levels, contents, and water quality of ground-water wells. The data for south Florida include continuous or daily discharge for 89 streams, continuous or daily stage for 64 streams, continuous elevations for 1 lake, continuous ground-water levels for 244 wells, periodic ground-water levels for 255 wells, and quality-of-water data for 32 surface-water sites and 166 wells.

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. For the 1975 water year, the report format was changed to one volume presenting data on quantities of surface water, quality of surface and ground water, and ground-water levels. For the 1977 water year, the report format was changed to one volume presenting data on quantity and quality of surface water, and one volume presenting data on water levels and quality of ground water.

Prior to introduction of this series and for several concurrent water years concurrent with it, water-resources data for Florida were published in USGS 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 the U.S. Geological Survey, Branch of Information Services, Box 25286, Federal Center, Denver, CO 80115 (telephone: 888-ASK-USGS).

Publications similar to this report are published annually by the USGS for all States. These official USGS 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-xx-2B," where xx represents the current water year. For archiving and general distribution, reports for the 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or 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 Chief at the address given on the back of the title page or by telephone (305) 717-5800.

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COOPERATION

The USGS and various federal, state, and local organizations have had cooperative agreements for the collection of water-resource records since 1930. Organizations that assisted in collecting the data presented in this report through cooperative agreement with the Survey are:

Broward County	Lee County
City of Boca Raton	Miami-Dade County Department of Environmental
City of Cape Coral	Resource Management
City of Ft. Lauderdale	Seminole Tribe of Florida
City of Hallandale	South Florida Water Management District
City of Hollywood	U.S. Army Corps of Engineers
Everglades National Park	U.S. Fish and Wildlife Service
Florida Keys Aqueduct Authority	

Organizations that provided data are acknowledged in station manuscripts.

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SUMMARY OF HYDROLOGIC CONDITIONS

This section summarizes important hydrologic events that occurred during the 2001 water year (October 1, 2000 to September 30, 2001) as well as significant natural and water-management responses to these events. Figure 2 provides a frame of reference for some of the major land areas of hydrologic significance mentioned in the summary.

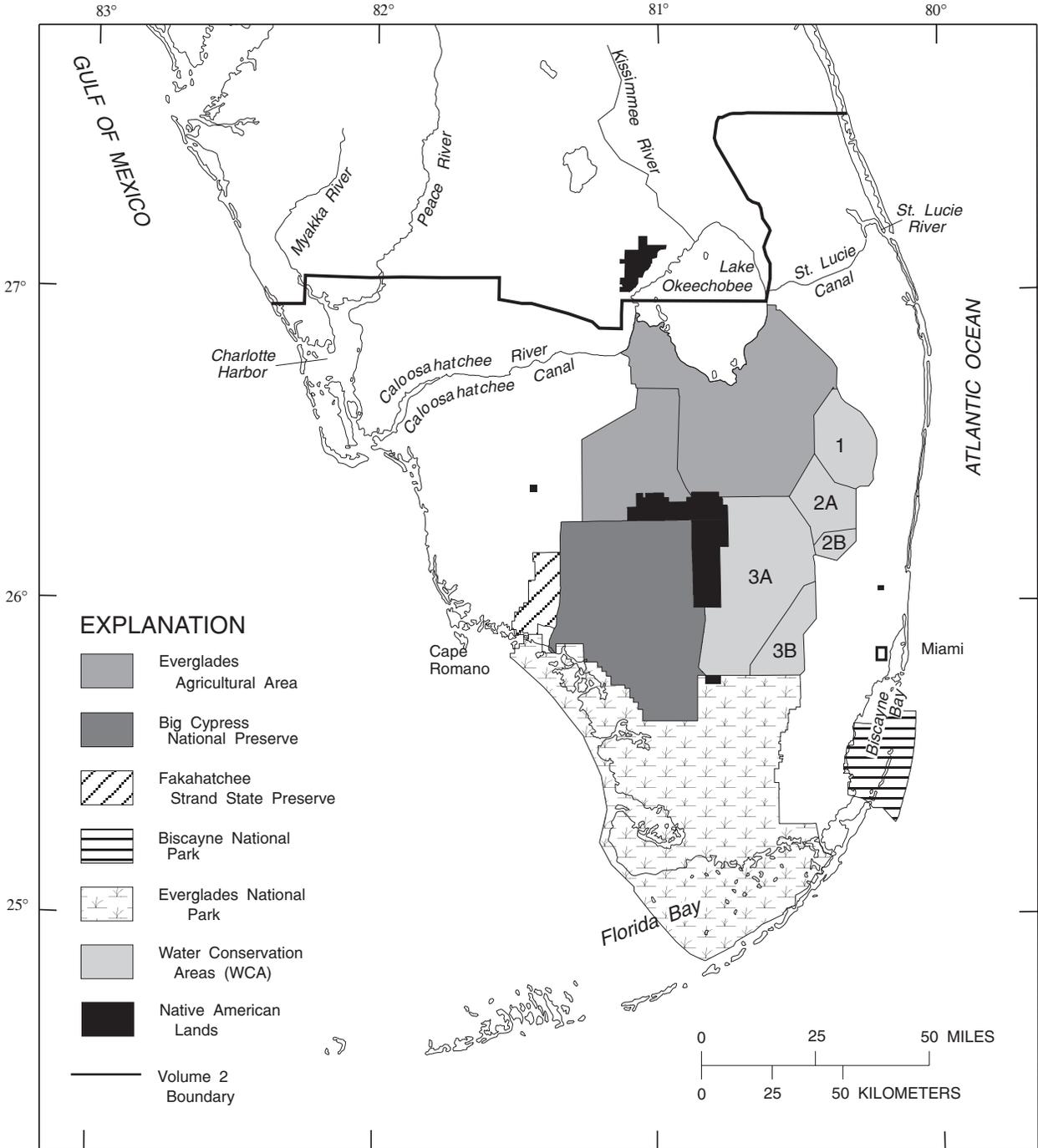


Figure 2. South Florida areas of hydrologic significance.

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SUMMARY OF HYDROLOGIC CONDITIONS (continued)Ground-Water Monitoring Network

During the 2001 water year (October 1, 2000 to September 30, 2001), the USGS Miami Subdistrict monitored 515 wells in south Florida to assess regional ground-water conditions. In southeast Florida the principal aquifers are the: Biscayne aquifer in Miami-Dade and Broward Counties (232 wells) and surficial aquifer system in Palm Beach, St. Lucie, and Martin Counties (56 wells). In southwest Florida the principal aquifers are the: surficial aquifer (75 wells), lower Tamiami aquifer (43 wells), sandstone aquifer (39 wells), mid-Hawthorn aquifer (37 wells), lower Hawthorn aquifer (or lower Hawthorn producing zone) (25 wells), and Floridan aquifer system (8 wells). The stratigraphic units included in these aquifers are shown in figures 3 and 4. In Miami-Dade and Broward Counties, the Biscayne aquifer is the upper part of the surficial aquifer system, and mainly consists of the Miami Limestone (not shown in figs. 3 and 4 because it is not present in Palm Beach County or southwestern Florida) and the Fort Thompson Formation. In addition to the ground-water data collected by the USGS, data from the South Florida Water Management District were used to provide background for this discussion of the Summary of Hydrologic Conditions.

**DATA FROM SELECTED WELLS**

The most extensive data are provided by 244 monitoring wells equipped with data recorders that measure hourly water levels. The daily maximum water-level elevations presented in this report are derived from these hourly measurements. Data from seven recorder-equipped wells are included in this section to depict ground-water conditions for the 2001 water year.

Two plots are shown for each of the seven selected stations (figs. 5-11). The first plot compares the maximum daily water levels for the 2001 water year to the normal monthly mean for each month and to the highest and lowest daily maximum water levels recorded for the period of record. This plot also shows lines representing one standard deviation above and below the normal monthly mean. For those wells that are not affected by any trend, the plot provides a means of comparing water levels in the 2001 water year to historical water levels.

The second plot shows the annual mean of maximum daily water levels and results from the Seasonal Kendall Trend Test (SKTT), both of which depict long-term trends. The SKTT is a nonparametric test for a monotonic trend in daily values. Two results of this test are the p-value and the Seasonal Kendall Slope Estimator (SKSE). The p-value indicates whether or not a trend determined by the SKTT is statistically significant. The null hypothesis for this test assumes that the random variable (water level) has not changed over time. The test makes pairwise comparisons of data values from the same seasons to eliminate seasonal variability. If this null hypothesis is disproven using SKTT (p-values less than 0.05), then there is a statistically significant trend in the data. The SKSE is the upward or downward slope of a line representing the trend. The SKSE is expressed as a change in water level in feet per year. The SKTT was performed using monthly mean values.

Both the comparison plot for the current year and the plot showing long term trends can be affected by missing record. Almost all of the stations shown have been affected at one time or another by this problem. As cooperative support for monitoring has fluctuated, monitoring at some of the wells has been discontinued and later resumed. Additionally, some stations have experienced mechanical problems with the float system or water-level recorder. One example of this is L-2434 (fig. 11). This station is one of the only recorder-equipped monitoring stations in the lower Hawthorn aquifer. Because water levels at this station fluctuate so rapidly and extensively, the mechanical systems that were used to monitor the well frequently slipped or tangled, and the resulting erroneous data had to be deleted.

The amount of missing record from L-2434 and several other stations is expected to decrease because the mechanical systems in these wells are being replaced with pressure transducers. For example, L-2434 has a complete record since the installation of the pressure transducer in February 1997. Pressure transducers have also been added to several other wells in order to improve the overall quality of the data.

For the analysis performed, no correction was applied for the missing record. For wells such as L-2434, it would be impossible to perform a statistical analysis if all the data from partial months or years were removed. Yet there is clearly a significant trend in the remaining data from L-2434, which must be considered in order to understand why the current water-level data remains below the long-term mean of the historical data from this well.

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SUMMARY OF HYDROLOGIC CONDITIONS (continued)

Series	Geologic unit	Hydrogeologic unit	Approximate thickness (feet)		
HOLOCENE	PAMLICO SAND	SURFICIAL AQUIFER SYSTEM	150-380		
PLEISTOCENE	ANASTASIA FORMATION				
	FT. THOMPSON FORMATION				
PLIOCENE	TAMIAMI FORMATION	INTERMEDIATE CONFINING UNIT	600-700		
MIOCENE AND LATE OLIGOCENE	HAWTHORN GROUP				
	MARKER UNIT BASAL HAWTHORN UNIT				
EARLY OLIGOCENE	EOCENE GROUP	FLORIDAN AQUIFER SYSTEM	LOWER HAWTHORN PRODUCING ZONE	10-180	
EOCENE		SUWANNEE LIMESTONE	UPPER FLORIDAN AQUIFER	500-700 ?	
		OCALA LIMESTONE			
		MIDDLE	AVON PARK FORMATION	MIDDLE CONFINING UNIT	0?-900
EARLY	?	LOWER FLORIDAN AQUIFER	BOULDER ZONE	300-650	1,800
PALEOCENE	CEDAR KEYS FORMATION			SUB-FLORIDAN CONFINING UNIT	1,500?

Figure 3. Generalized geology and hydrogeology of Palm Beach County (modified from Reese and Memberg, 2000).

Series	Geologic unit	Hydrogeologic unit	Approximate thickness (feet)			
HOLOCENE TO PLIOCENE	UNDIFFERENTIATED	SURFICIAL AQUIFER SYSTEM	WATER-TABLE AQUIFER	20-100		
	TAMIAMI FORMATION		CONFINING BEDS	0-60		
			LOWER TAMIAMI AQUIFER	25-160		
MIOCENE AND LATE OLIGOCENE	HAWTHORN GROUP	INTERMEDIATE AQUIFER SYSTEM	CONFINING UNIT	20-100		
			SANDSTONE AQUIFER	0-100		
		ARCADIA FORMATION	CONFINING UNIT	10-250		
			MID-HAWTHORN AQUIFER	0-130		
EARLY OLIGOCENE	SUWANNEE LIMESTONE	FLORIDAN AQUIFER SYSTEM	LOWER HAWTHORN PRODUCING ZONE	0-300		
EOCENE	OCALA LIMESTONE		UPPER FLORIDAN AQUIFER	700-1,200		
	AVON PARK FORMATION					
	EARLY		?	MIDDLE CONFINING UNIT	500-800	
PALEOCENE	CEDAR KEYS FORMATION	SUB-FLORIDAN CONFINING UNIT	LOWER FLORIDAN AQUIFER	BOULDER ZONE	400	1,400-1,800

Figure 4. Generalized geology and hydrogeology of southwestern Florida (modified from Reese, 2000).

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SUMMARY OF HYDROLOGIC CONDITIONS (continued)

The lines connecting annual means are dashed for periods where one or more months are missing more than 15 days. The SKSE provided for these trends should also be considered approximate. The word "approximately" is used to show uncertainty for those stations that have excessive missing record.

Relations shown for selected wells can only indicate what is occurring in the aquifer near each well. For a detailed assessment of hydrologic conditions throughout the aquifer, similar statistical evaluations would need to be accomplished using many more wells. The seven wells used for this summary were selected to represent some of the aquifer characteristics at specific locations throughout south Florida. For the purposes of the following discussion, normal water levels are considered to be those water levels within one standard deviation of the monthly mean water level for a given month.

Heavy rainfall occurred during the first week of October, contributing more than 7 inches of rain in some areas of southeast Florida. Water levels in the Biscayne aquifer in the vicinity of S-196A (fig. 5) rose dramatically, peaking on October 3, 2000. The increase in water levels exceeded one standard deviation above the monthly mean, and set a new record high daily maximum water level of 9.64 feet at that site. Water levels at S-196A also exceeded one standard deviation above the monthly mean for short periods in December, July, August, and September. The water-level record for PB-561 (fig. 6), an upper east coast surficial aquifer system well, was incomplete for the October event. Water levels at PB-561 exceeded one standard deviation above the monthly mean for short periods in December, March, and June, and for longer periods in July, August and September. Consequently, water levels at this location remained above normal for much of the summer.

Water levels at the west coast wells did not respond in a similar way to the October rainfall event, partly because of lesser rainfall amounts. During the October rains, water levels at the selected west coast wells did not exceed one standard deviation above the monthly mean. The water elevations in September exceeded one standard deviation above the mean at C-496 (fig. 7) and C-492 (fig. 8). Water levels at the other west coast wells remained at or below normal for the entire year.

During the dry season (from November to May), water levels at the two east coast wells, S-196A and PB-561, remained normal. The water levels receded gradually during the dry season, with a few upward spikes caused by rainfall in December and March.

Water levels generally recede more rapidly during the dry season at west coast wells than at east coast wells. Of the selected west coast wells, the greatest amount of decline occurred at L-729 in the sandstone aquifer (fig. 9) and L-2434 in the lower Hawthorn aquifer (fig. 11). At L-1993, water levels remained below normal for the entire water year. At C-496 (fig. 7), water levels were below normal for much of March through June.

Water levels at C-492 fell below normal in October 2000, and rose to normal levels for a short period at the end of March and beginning of April. Following this brief rise, water levels did not attain normal levels again until June. Water levels at L-729 also fell below normal in November, with normal levels reached briefly at the end of March and into early April. However, water levels fell below normal again from early April to late May. A historic low daily maximum water level, 2.17 ft above NGVD, was recorded on February 25, 2001.

Water levels at L-2434 were below normal for much of the water year. Water levels reached normal levels for short periods throughout the year. This well is located in a well field, and water levels in the aquifer are affected by pumping. When pumping ceases, water levels return to normal.

## VOLUME 2B: SOUTH FLORIDA

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

## LONG-TERM TRENDS

Before current ground-water conditions can be reasonably evaluated, long-term trends must be determined. The plots of water levels, means, and the SKTT results (figs. 5-11) show that all of the selected wells have long-term trends in water level.

The wells selected from the Biscayne aquifer in the lower east coast area (fig. 5, S-196A), surficial aquifer system in the upper east coast area (fig. 6, PB-561), and surficial aquifer of the lower west coast area in southwest Florida (fig. 7, C-496) showed slight (about 0.02 to 0.04 foot per year) trends toward increased water levels since water year 1974.

The wells selected from the sandstone aquifer (fig. 9, L-729), mid-Hawthorn aquifer (fig. 10; L-1993), and lower Hawthorn aquifer in southwest Florida (fig. 11, L-2434) showed strong trends toward decreased water levels during the 1974-2001 water years. Well L-729 showed a 0.27 foot per year downward trend for this period (fig. 9). Well L-1993 showed a 0.59 foot per year downward trend that represents a 14.73 feet decrease in water levels from the 1977 to 2001 water year (fig. 10). Well L-2434 showed an overall downward trend of 1.18 feet per year, representing a 24.78 feet decrease in water levels from the 1981 to 2001 water year (fig. 11).

Because of the combined effect of a substantial long-term downward trend in water levels and decreased rainfall conditions, record lowest daily maximum water-level elevations were recorded at L-729 and L-2434 during the peak of the 2001 dry season. The downward trend at these wells, and at L-1993, is also responsible for recent water levels that on average are below the monthly means shown in the plots (figs. 9-11) for the 2001 water year data. These means are based on data that include time periods when water levels were much higher. This effect is obvious in the plot of the 2001 water year data for L-1993 (fig. 10). Therefore, comparison of recent and historical water-level fluctuations must be made with a full understanding of long-term water-level trends.

## WATER RESOURCES DATA - FLORIDA, 2001

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SUMMARY OF HYDROLOGIC CONDITIONS (continued)EXPLANATION FOR PLOTS (FIGURES 5 TO 11) OF SUMMARY STATISTICS  
AND 2001 WATER YEAR DAILY MAXIMUM WATER LEVELS

Daily maximum water level, recorded during 2001 water year.



Monthly mean curve of daily maximum water levels collected, during the month displayed, for the January 1975 to September 2001 period.



One standard deviation (above or below) the monthly mean of daily maximum water levels collected, during the month displayed, for the January 1975 to September 2001 period.

EXPLANATION FOR PLOTS (FIGURES 5 TO 11) OF DAILY MAXIMUM WATER LEVELS,  
ANNUAL MEANS OF DAILY MAXIMUM WATER LEVELS, AND RESULTS OF THE  
SEASONAL KENDALL TREND TEST

Annual mean of daily maximum water levels collected, during the year displayed, for the September 1976 to September 2001 period, wherein no month is missing more than 15 days of water-level record.



Annual mean of daily maximum water levels collected, during the year displayed, for the September 1976 to September 2001 period, wherein 1 month or more is missing 15 days or more of water-level record.



Daily maximum water level. Breaks in line represent missing measurements, or measurements that failed quality assurance review.

SKSE

The Seasonal Kendall Slope Estimator (SKSE) represents the median slope of the set of slopes obtained by computing the slope, in feet per year, of all unique pairs of monthly mean daily maximum water levels from the same seasons computed for the site shown.

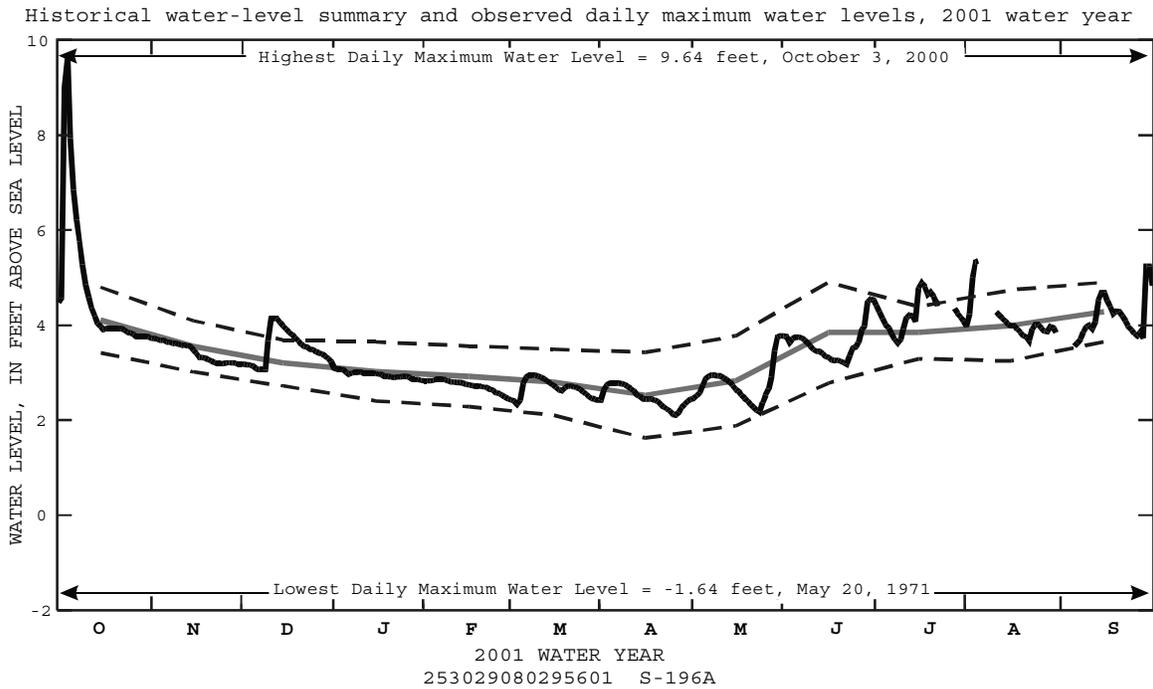
p value

The p-value represents a measure of the significance level of the Seasonal Kendall Trend Test statistic, computed concurrently with the SKSE, used to determine if there is a trend in the data examined. A p-value less than 0.05 indicates a statistically significant trend.

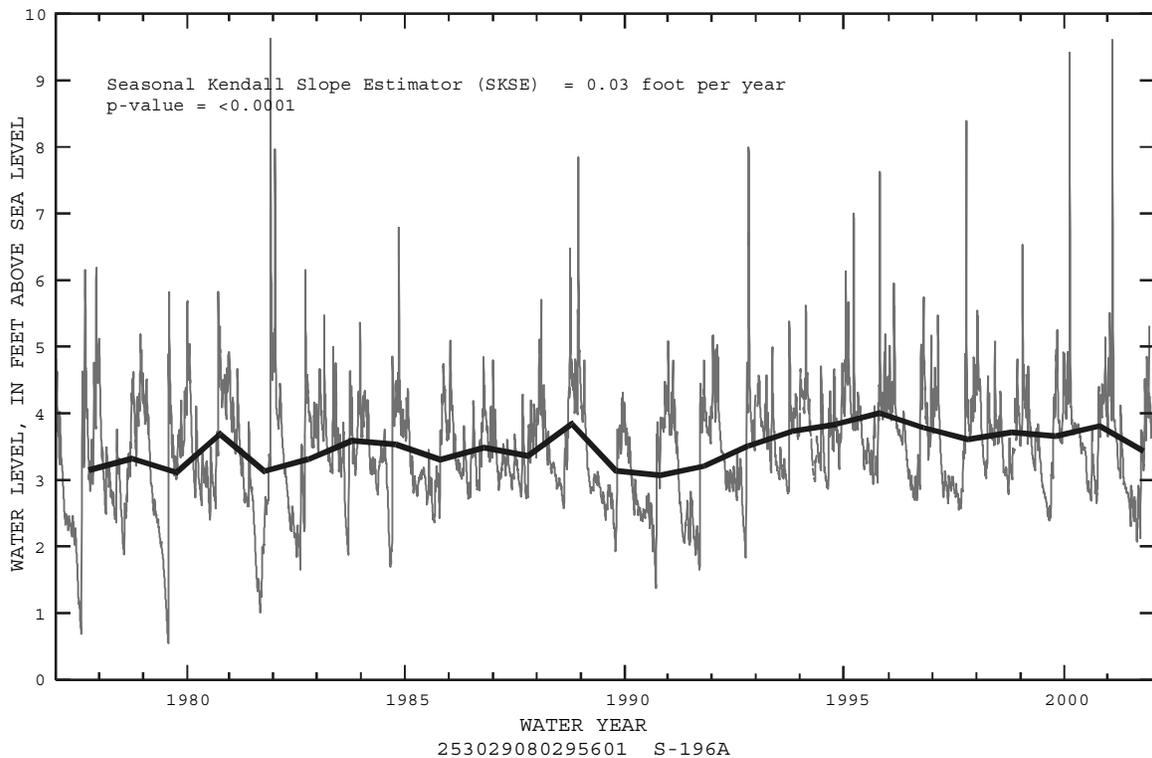
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SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER EAST COAST - BISCAYNE AQUIFER



Historical daily maximum water levels, annual means of daily maximum water levels, and results of the Seasonal Kendall Trend Test

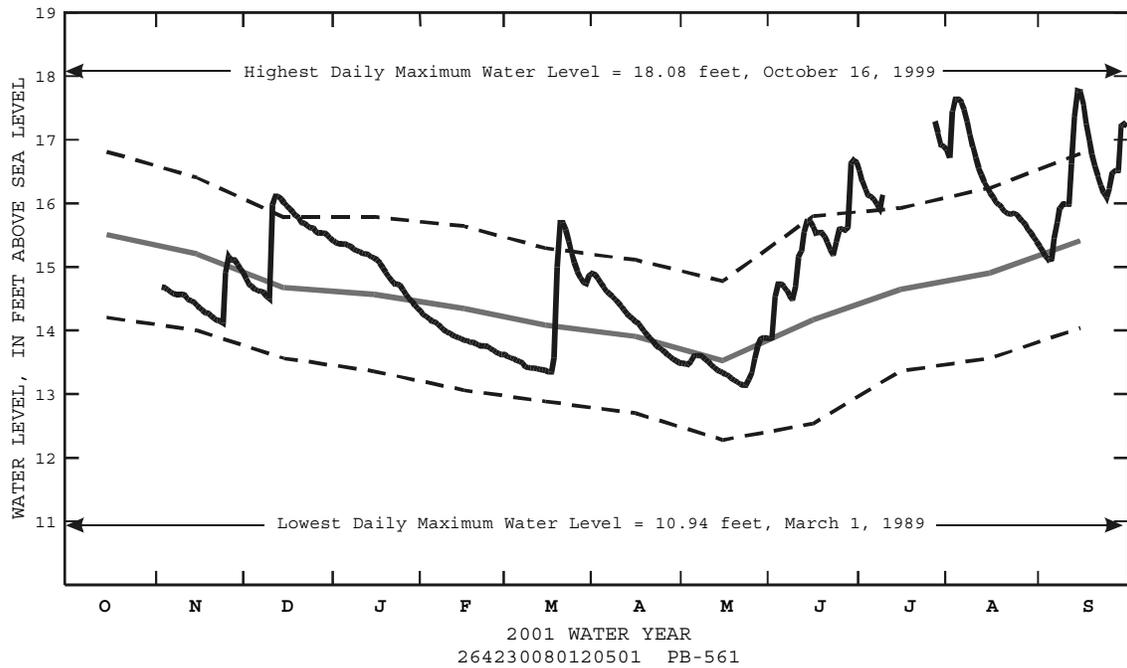


**Figure 5.** Historical water-level summary curves and annual mean of maximum daily water levels at well S-196A penetrating the Biscayne aquifer in Miami-Dade County. Explanation of symbols and lines precedes these figures.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

UPPER EAST COAST - SURFICIAL AQUIFER SYSTEM

Historical water-level summary and observed daily maximum water levels, 2001 water year



Historical daily maximum water levels, annual means of daily maximum water levels, and results of the Seasonal Kendall Trend Test

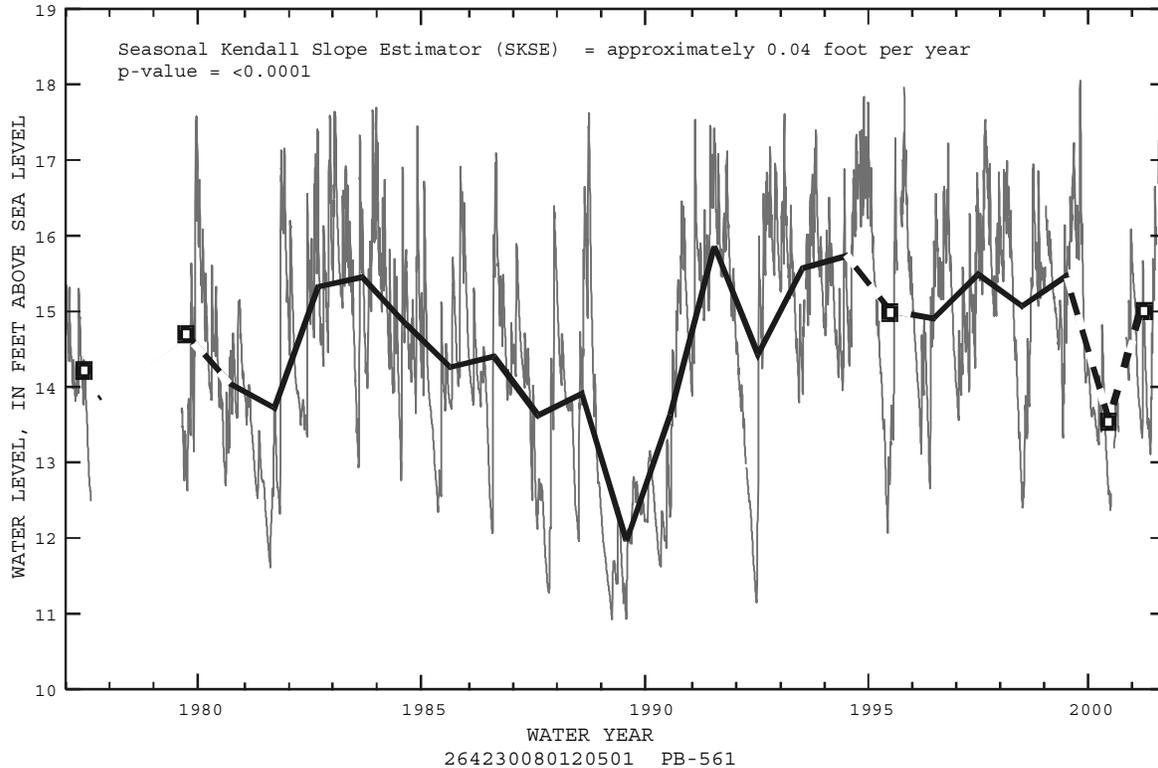
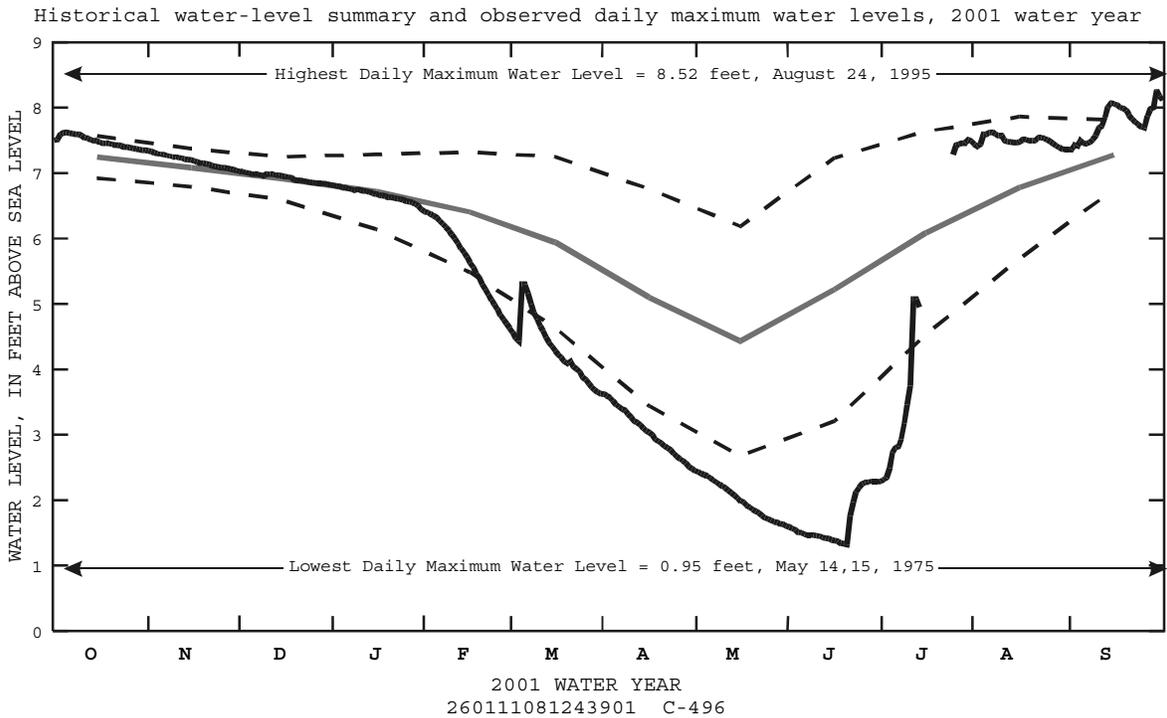


Figure 6. Historical water-level summary curves and annual mean of maximum daily water levels at well PB-561 penetrating the surficial aquifer system in Palm Beach County. Explanation of symbols and lines precedes these figures.

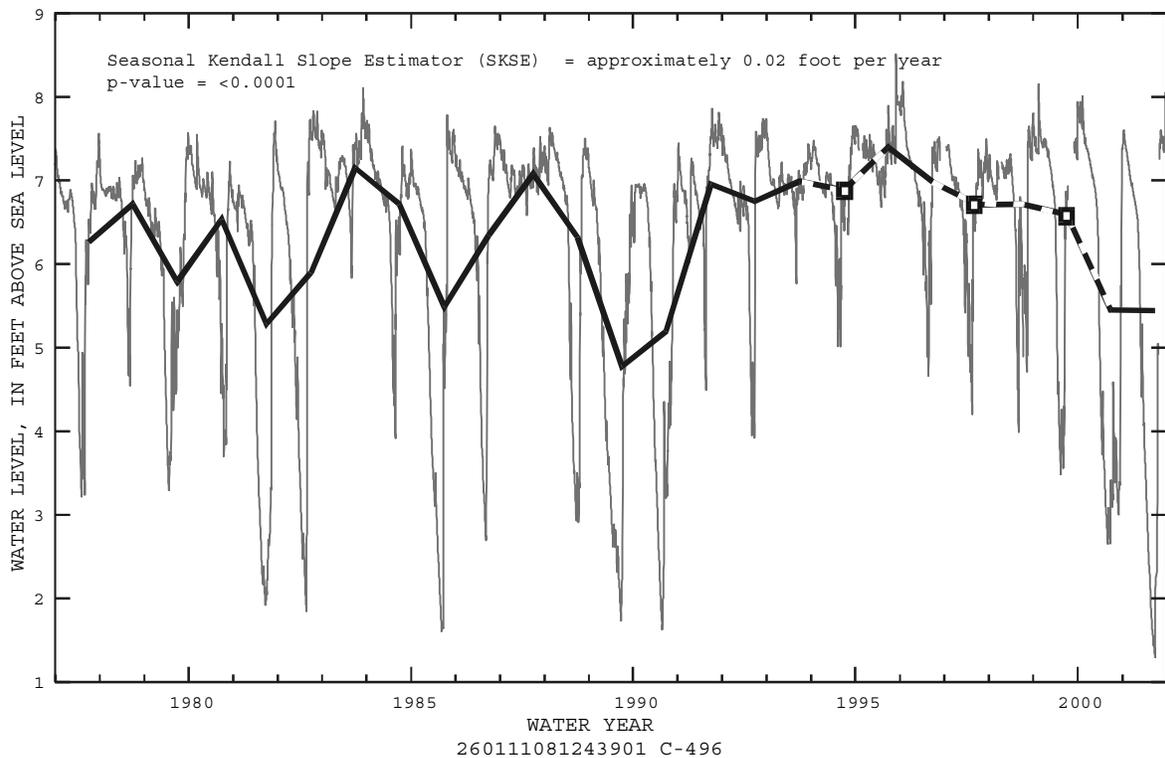
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SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER WEST COAST - SURFICIAL AQUIFER



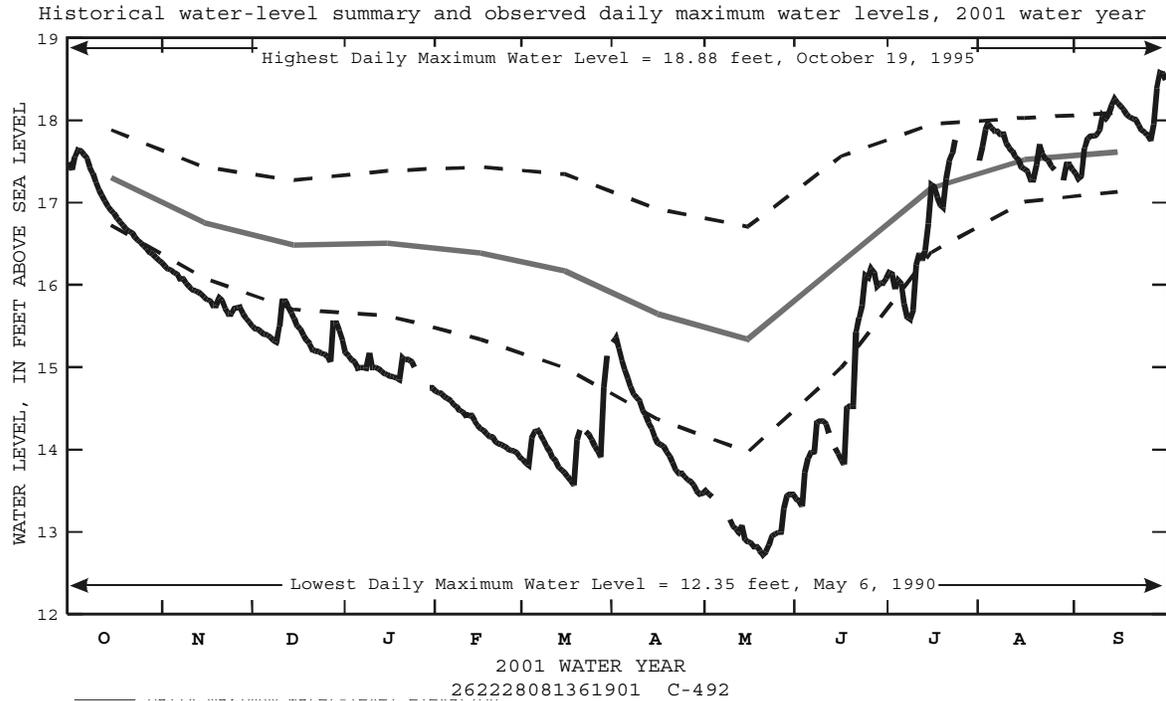
Historical daily maximum water levels, annual means of daily maximum water levels, and results of the Seasonal Kendall Trend Test



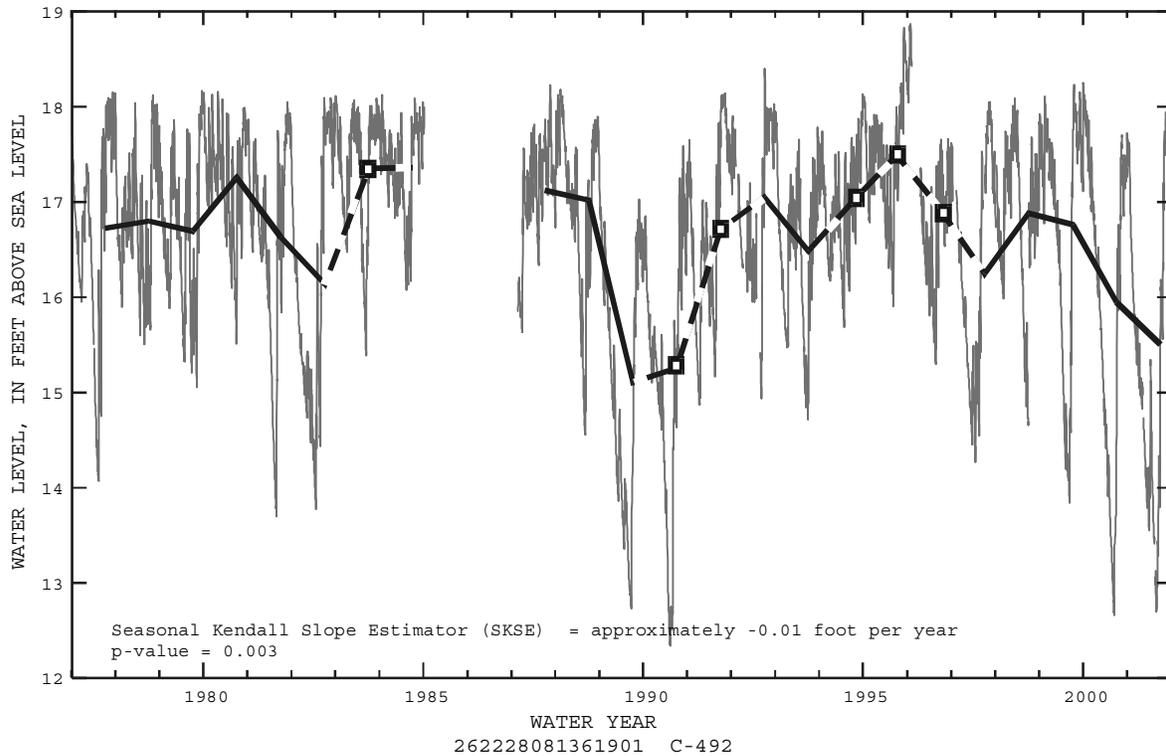
**Figure 7.** Historical water-level summary curves and annual mean of maximum daily water levels at well C-496 penetrating the surficial aquifer system (water-table aquifer) in Collier County. Explanation of symbols and lines precedes these figures.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER WEST COAST - LOWER TAMIAMI AQUIFER\*



Historical daily maximum water levels, annual means of daily maximum water levels, and results of the Seasonal Kendall Trend Test

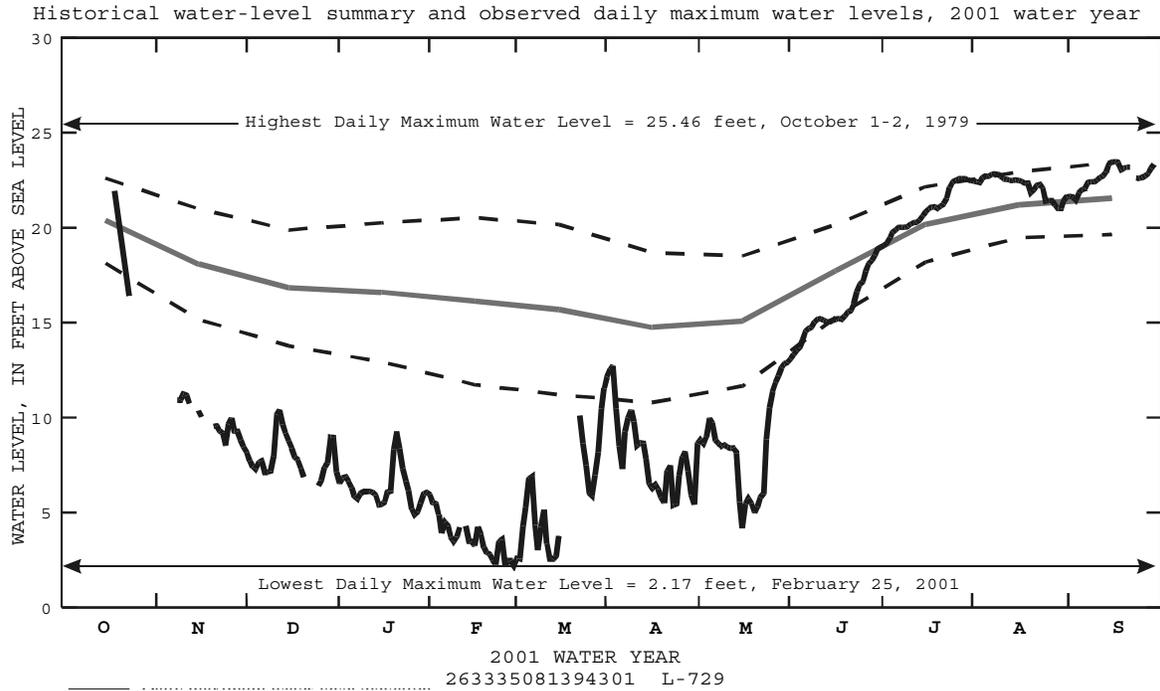


**Figure 8.** Historical water-level summary curves and annual mean of maximum daily water levels at well C-492 penetrating the Tamiami aquifer in Collier County. \* In the 2001 water year, this well was found to be open to the surficial aquifer. Explanation of symbols and lines precedes these figures.

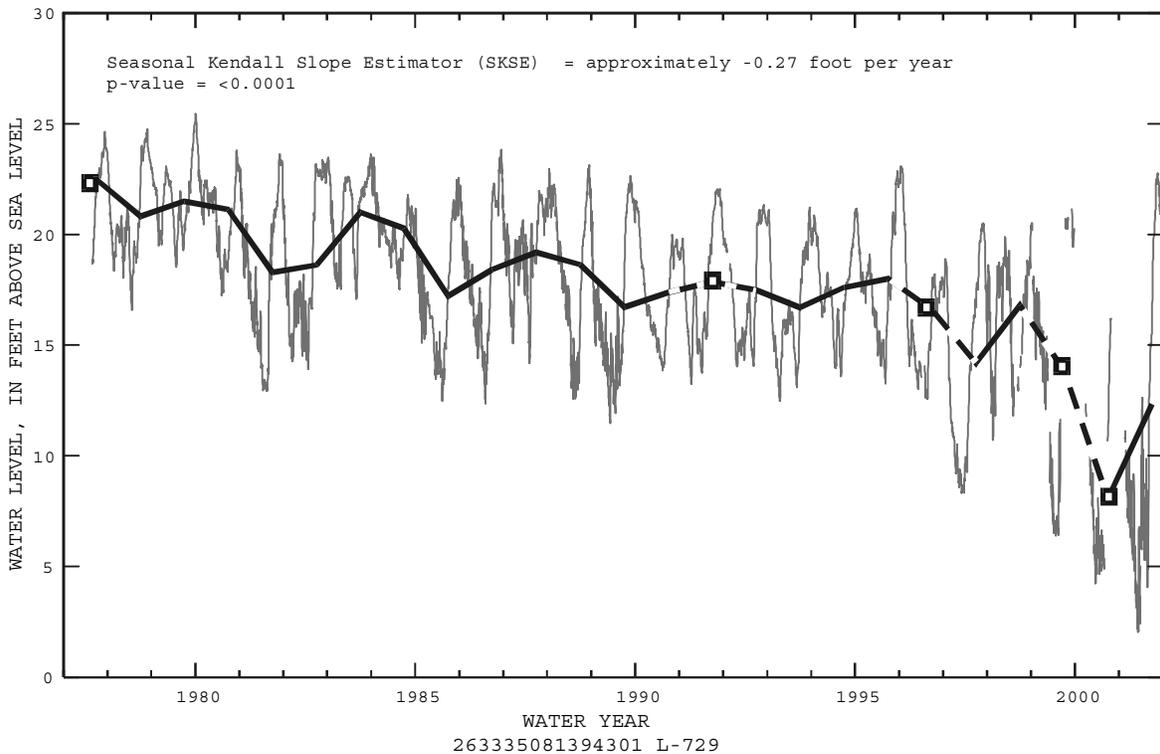
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SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER WEST COAST - SANDSTONE AQUIFER



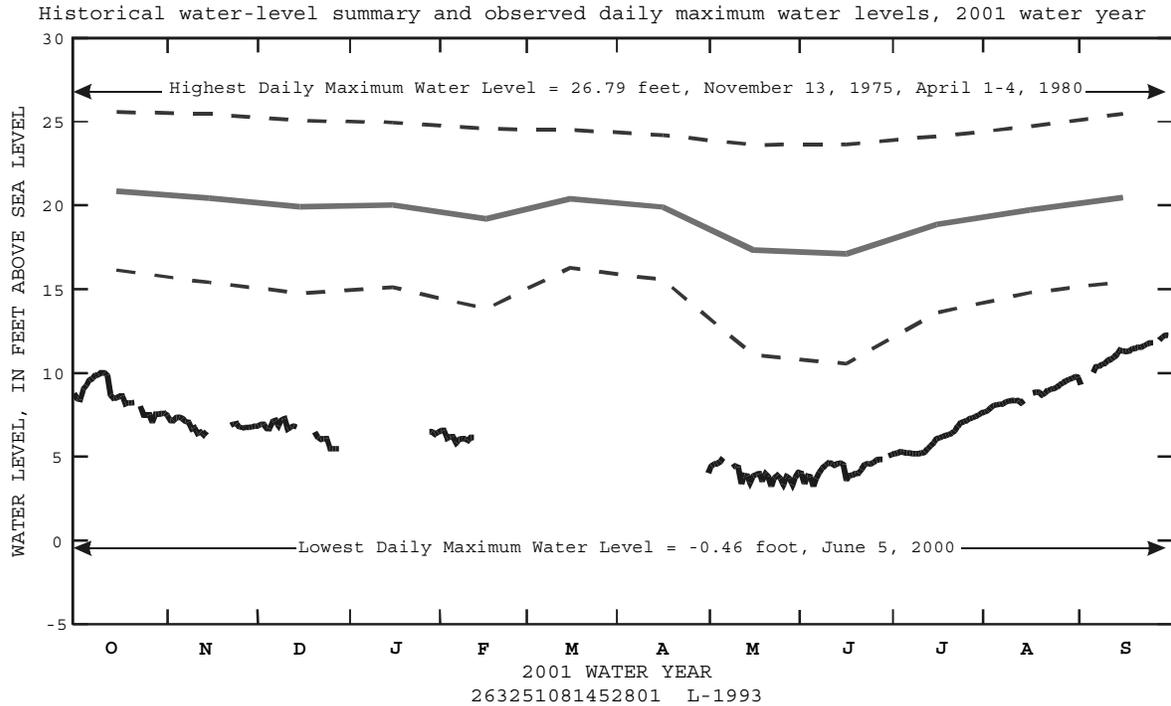
Historical daily maximum water levels, annual means of daily maximum water levels, and results of the Seasonal Kendall Trend Test



**Figure 9.** Historical water-level summary curves and annual mean of maximum daily water levels at well L-729 penetrating the sandstone aquifer in Lee County. Explanation of symbols and lines precedes these figures.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER WEST COAST - MID-HAWTHORN AQUIFER



Historical daily maximum water levels, annual means of daily maximum water levels, and results of the Seasonal Kendall Trend Test

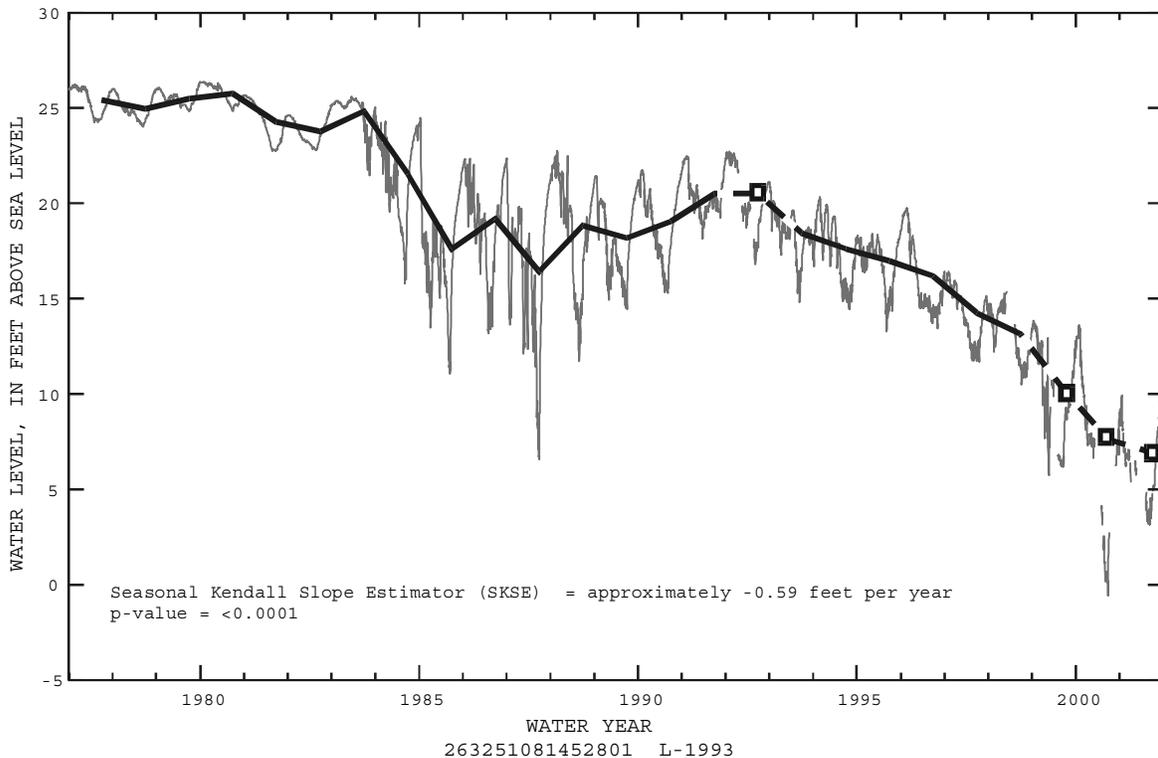


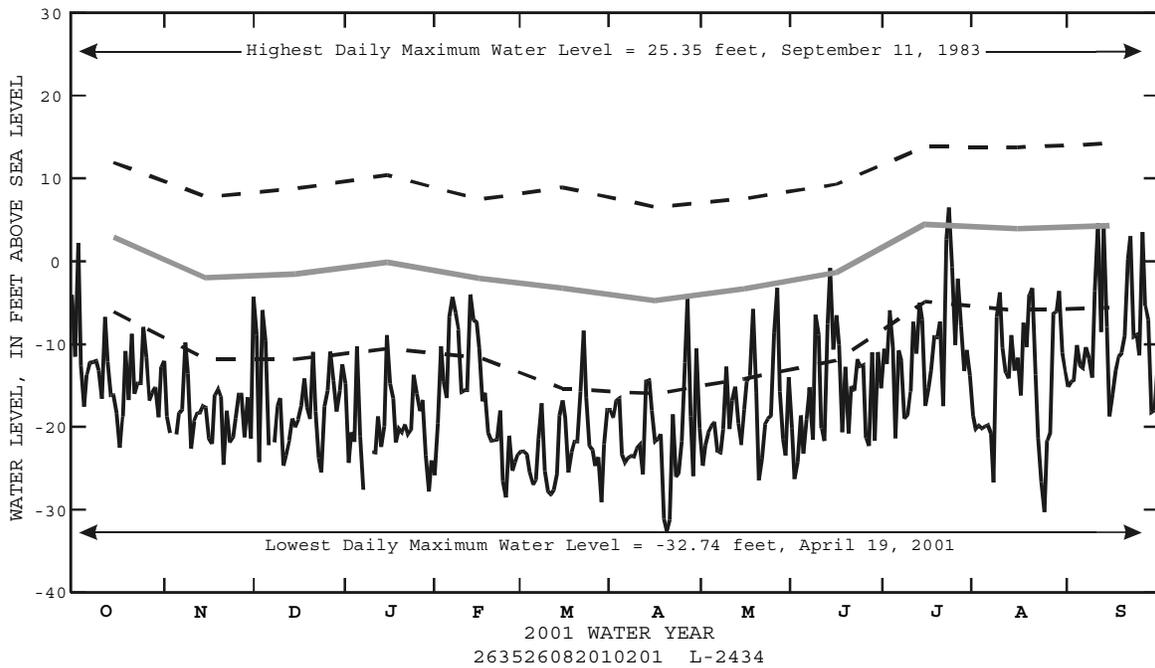
Figure 10. Historical water-level summary curves and annual mean of maximum daily water levels at well L-1993 penetrating the mid-Hawthorn aquifer in Lee County. Explanation of symbols and lines precedes these figures.

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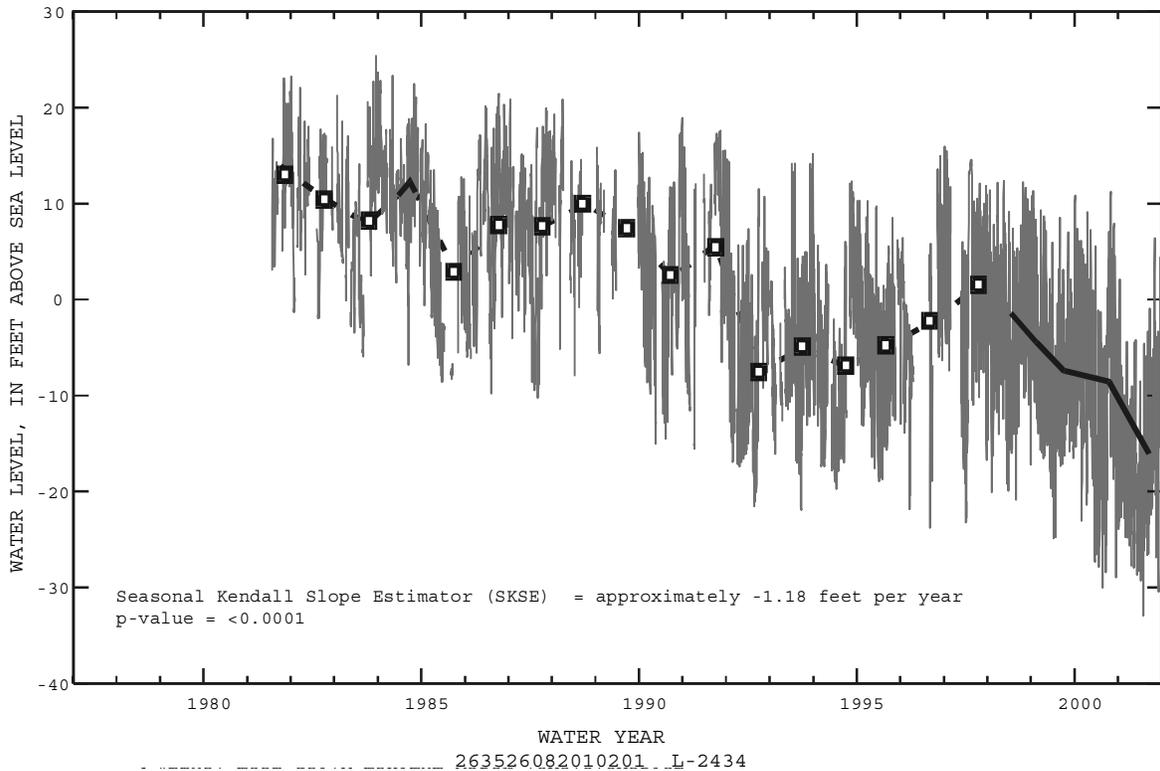
SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER WEST COAST - LOWER HAWTHORN AQUIFER (LOWER HAWTHORN PRODUCING ZONE)

Historical water-level summary and observed daily maximum water levels, 2001 water year



Historical daily maximum water levels, annual means of daily maximum water levels, and results of the Seasonal Kendall Trend Test



**Figure 11.** Historical water-level summary curves and annual mean of daily maximum water levels at well L-2434 penetrating the lower Hawthorn producing zone in Lee County. Explanation of symbols and lines precedes these figures.

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EXPLANATION OF THE RECORDS

A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and for surface-water stations where only miscellaneous observations are made.

Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indentation in the "List of Stations" in the front of this report. Each indentation represents one rank. This downstream order and system of indentation shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 02228500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6- to 12-digit downstream-order number "228500." The part number designates the major river basin; for example, part "02" is the South Atlantic Slope and eastern Gulf of Mexico basins.

Numbering System For Wells and Miscellaneous Surface-Water Sites

The eight-digit downstream order station numbers are not assigned to wells and miscellaneous surface water sites. Where only random water-quality samples or discharge measurements are taken. In South Florida occasionally discharge sites are not assigned to downstream order number if located in areas where it is difficult to determine the downstream order.

The identification numbers for wells and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. This site identification number, once assigned, is a pure number and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See Figure 13.)

## VOLUME 2B: SOUTH FLORIDA

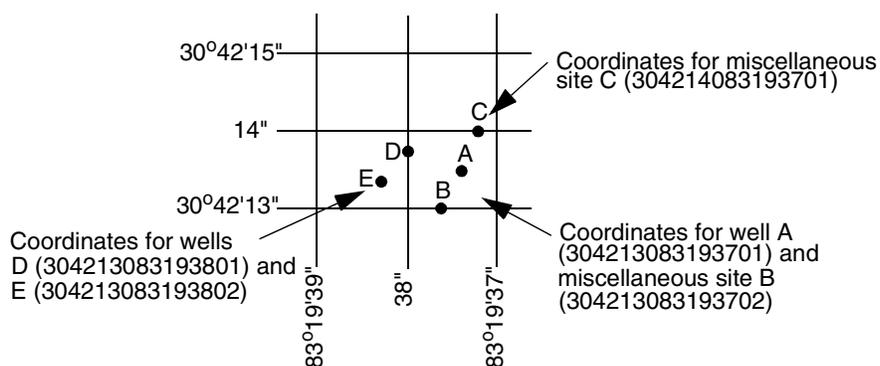


Figure 12. System for numbering wells and miscellaneous sites (latitude and longitude)

### RECORDS OF STAGE AND WATER DISCHARGE

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake elevation, similarly, are those for which stage may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a stage-recording device or daily or weekly observations, but need not be. Because daily mean discharges and lake elevations commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report.

Location of all complete-record and partial-record stations for which data are given in this report are shown in figures preceding each sub-basin.

### Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily mean discharges.

Records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step-backwater techniques.

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Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some gaging stations, acoustic velocity meter (AVM) systems are used to compute discharge. The AVM system measures the stream's velocity at one or more paths in the cross section. Coefficients are developed to relate this path velocity to the mean velocity in the cross section. Because the AVM sensors are fixed in position, the adjustment coefficients generally vary with stage. Cross-sectional area curves are developed to relate stage, recorded as noted above, to cross section area. Discharge is computed by multiplying path velocity by the appropriate stage related coefficient and area.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined.

If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as the lapsed time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations, there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons.

For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

### Data Presentation

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or state manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preference.

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; and a summary statistics table that includes statistical data of annual, daily and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration.

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Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate base maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurements," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Because of new information, published records occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see GLOSSARY), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a REMARKS statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the offices whose addresses are given on the back of the title page of this report to determine if the published records were ever revised after the station was discontinued. Of course, if the data were

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obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Heading for AVERAGE DISCHARGE has been deleted and the information contained in this paragraph is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

**Daily table of daily mean values**

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the average flow in cubic feet per second for the month; and the lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"); or in inches. (line headed "IN."); or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

**Statistics of monthly mean data**

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEAR \_\_\_\_-\_\_\_\_, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

**Summary statistics**

A table titled "SUMMARY STATISTIC" follows the statistics of monthly mean data tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, "WATER YEARS \_\_\_\_-\_\_\_\_," will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station.

The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

All of the calculations for the statistical characteristics designated ANNUAL (See line headings below), except for the "ANNUAL 7-DAY MINIMUM" statistics, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistics reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

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The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

**ANNUAL TOTAL.**--The sum of the daily mean values of discharge for the year. At some stations the annual total discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

**ANNUAL MEAN.**--The arithmetic mean of the individual daily mean discharges for the year noted or for the designated period. At some stations the yearly mean discharge is adjusted for reservoir storage or diversion. The adjusted figures are identified by a symbol and corresponding footnotes.

**HIGHEST ANNUAL MEAN.**--The maximum annual mean discharge occurring for the designated period.

**LOWEST ANNUAL MEAN.**--The minimum annual mean discharge occurring for the designated period.

**HIGHEST DAILY MEAN.**--The maximum daily mean discharge for the year or for the designated period.

**LOWEST DAILY MEAN.**--The minimum daily mean discharge for the year or for the designated period.

**ANNUAL 7-DAY MINIMUM.**--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The data shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic).

**INSTANTANEOUS PEAK FLOW.**--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back of title page of this report).

**INSTANTANEOUS PEAK STAGE.**--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

**INSTANTANEOUS LOW FLOW.**--The minimum instantaneous discharge occurring for the water year or for the designated period.

**ANNUAL RUNOFF.**--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES) indicates the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

**10 PERCENT EXCEEDS.**--The discharge that has been exceeded 10 percent of the time for the designated period.

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50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

### Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

### Accuracy of the Records

The accuracy of streamflow records depends primarily on: (1) The stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of their true values; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft<sup>3</sup>/s; to the nearest tenth between 1.0 and 10 ft<sup>3</sup>/s; to whole numbers between 10 and 1,000 ft<sup>3</sup>/s; and to 3 significant figures for more than 1,000 ft<sup>3</sup>/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

In March 1989, the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989. Sulfate values in this report have not been corrected for this bias.

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Other Records Available

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables is on file in the Miami Subdistrict Office of the Florida District. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the offices whose addresses are given on the back of the title page of this report.

RECORDS OF SURFACE-WATER QUALITY

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where water-quality data are collected systematically over a period of years, usually less frequently than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records," as used in this report, and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Arrangement of Records

Water-quality records collected at a surface-water daily record station or a periodic observation station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the quality of the water in its natural state. To assure this, certain measurements, such as water temperature, pH, alkalinity, specific conductance, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the natural water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory.

Procedures for onsite measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapter A1, A3, and A4. These references are listed in the PUBLICATIONS ON THE TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an

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accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors which must be evaluated by the collector.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory. For stations equipped with water-quality monitors, the records consist of daily mean values for each constituent measured and are based upon unit values (hourly or 15-minute recordings).

### Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

### Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3.

These methods are consistent with ASTM standards and generally follow ISO standards.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream. In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

### Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colorado. Methods used in analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

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Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge"; same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a recording or sampling device, which may be time- or event-activated, is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to ensure the most recent updates.

## WATER RESOURCES DATA - FLORIDA, 2001

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WATER-QUALITY RECORDSRemark Codes

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

<u>PRINTED OUTPUT</u>	<u>REMARK</u>
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.

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QUALITY-CONTROL DATA

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 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.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated by 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. There are many types of blank samples possible, each designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this district are:

Source solution blank - a blank solution that is transferred to a sample bottle in an area of the office laboratory with an atmosphere that is relatively clean and protected with respect to target analytes.

Ambient blank - a blank solution that is put in the same type of bottle used for an environmental sample, kept with the set of sample bottles before sample collection, and opened at the site and exposed to the ambient conditions.

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.

Pump blank - a blank solution that is processed through the same pump-and-tubing system used for an environmental sample.

Standpipe blank - a blank solution that is poured from the containment vessel (stand-pipe) before the pump is inserted to obtain the pump blank.

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.

Canister blank - a blank solution that is taken directly from a stainless steel canister just before the VOC sampler is submerged to obtain a field blank sample.

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Reference Samples

Reference material is a solution or material prepared by a laboratory whose 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. There are many types of replicate samples 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 sample - a type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating collection of samples into two or more compositing containers.

Sequential sample - 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 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.

Concurrent sample - a type of spike sample that is collected at the same time with the same sampling and compositing devices then spiked with the same spike solution containing laboratory-certified concentrations of selected analytes

Split sample - a type of spike sample in which a sample is split into subsamples contemporaneous in time and space then spiked with the same spike solution containing laboratory-certified concentrations of selected analytes.

RECORDS OF GROUND-WATER LEVELS

Ground-water level data from a statewide network of observation wells are published herein. The records include data from wells equipped with water-level recorders and data from wells where water levels are measured periodically.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table.

Water-level records are obtained from direct measurements with a steel tape, pressure gage, manometer, or from the graph or punched tape of a water-level recorder. The measurements in this report are given in feet above National Geodetic Vertical Datum of 1929 or in some tables as feet below land-surface datum. Land-surface datum is a datum plane that is approximately at land surface at each well. The elevation of the land-surface datum 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.

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Accuracy of Ground-Water Level Data

A number of factors affect the accuracy of the ground-water-level data published in this report. These factors can be logically separated into those that are related to ground-water-level measurement methods (Method-Related Factors) and those that are independent of the methods.

Method-Related Factors

Water-level data are collected using a number of different methods. Each method has inherent factors that affect the accuracy of measured water levels.

STEEL TAPE AND CHALK -- This generally is the most accurate method of measuring the elevation difference between a reference point and the water level in a ground-water well. When the water level is measured using this method, at least two separate measurements are performed. These measurements must agree to within 0.02 ft before the average value is recorded. The precision of this method, is  $\pm 0.02$  ft.

PRESSURE GAGE -- Wells under artesian pressure are monitored using a mechanical pressure gage. These pressure gages are graduated to 0.2 ft. Gages are periodically checked using a pressure manifold to compare gage readings over a range of known pressures. Corrections are applied to the gage readings based on these checks. The reported value is estimated to the nearest tenth of a foot. The precision of this method should be considered to be about  $\pm 0.1$  ft.

FLOAT AND RECORDER -- The accuracy of data recorded using this method is affected by friction within the recorder system as well as friction between the float and the well casing. In large-diameter wells (6 in. or greater), where large floats are used, these effects are minimal; however in small-diameter wells (2 to 6 in.) these effects can be substantial. Friction might significantly affect the data where water-surface fluctuations are very small. Every effort has been made to reduce frictional effects to a minimum.

The accuracy of this method may also be affected by slippage of the float tape or wire, leaks in the float, or biological factors (for example, amphibians crawling on the float). The accuracy of the recorder reading is periodically verified using steel tape and chalk measurements. When the difference between these tape measurements and the recorded value is 0.05 ft or greater, the recorder is reset and a gage-height correction is applied to the data. Uncertainty in water levels for wells verified by steel tape measurements is generally no greater than  $\pm 0.05$  ft.

PRESSURE TRANSDUCER AND RECORDER -- In wells where artesian pressure, frictional effects, or an extensive range in water levels have made float and recorder systems infeasible, pressure transducers have been installed. Transducers are selected that meet or exceed the float and recorder system accuracy. Water levels may be verified using either steel tape or pressure gage measurements. Uncertainty in those verified by steel-tape measurements is generally considered to be no greater than  $\pm 0.05$  ft and uncertainty for those verified using pressure gage readings is generally considered to be about  $\pm 0.1$  ft.

The type of method used to collect water-level data is identified in the INSTRUMENTATION section of each station manuscript.

Method-Independent Factors

Water levels are determined using a specific measuring point (MP) at each well. The elevation of this point for most wells published in this report was determined relative to the National Geodetic Vertical Datum of 1929 (NGVD of 1929). Scientific advances in determining vertical elevations have caused the development of the North American Vertical Datum of 1988 (NAVD of 88). The National Geodetic Survey (NGS) has completed an extensive releveling effort that provides elevations referenced to NAVD of 1988. Comparisons at specific benchmarks in Florida have indicated differences between NAVD of 88 and NGVD of 1929 of 0.50 ft or greater (Zilkoske, 1990). The U.S. Geological Survey is currently considering how best to utilize the newer NAVD of 1988 and yet maintain the continuity of data in south Florida.

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Water levels in wells open to highly transmissive aquifers may be affected by barometric pressure. The extent of this effect in a given well is called the barometric efficiency (BE). The BE is calculated by comparing the changes in water level at a well to the change in the ambient barometric pressure expressed as a column of water (Kruseman and Ridder, 1991). The water-level data in this publication have not been adjusted for barometric pressure effects.

### Data Presentation

Each well record consists of two parts, the station description, the data table of water levels observed during the water year and possibly a graph of the water year or other selected period. The description of the well is presented first through use of descriptive headings preceding the tabular data. The comments to follow clarify information presented under the various headings of well description.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); a landline location designation; the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval, method of construction, use, and additional information such as casing breaks, collapsed screen, and other 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 hourly, daily, weekly, monthly, or some other frequency of measurement.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), 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 (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); 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. It should identify wells that also are water quality observation wells and may be used to acknowledge the assistance of local (non-survey) observers.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of record, with respect to land-surface datum, and the dates of their occurrence.

A table of water levels follows the station description for each well. For wells equipped with recorders, only abbreviated tables are published; generally, daily maximums are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level. A hydrograph for a selected period of record may follow each water-level table.

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RECORDS OF BULK ELECTRICAL CONDUCTIVITY

Bulk conductivity is the combined electrical conductivity of all material (including pore water) within an approximately 8 to 40 inch doughnut shaped area surrounding an induction probe (McNeill and others, 1990). Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved solids content of the pore water and lithology and porosity of the rock. PVC casings do not interfere with these measurements but for those wells where a steel or galvanized iron casing extends part way down the well, the probe can not sense the materials outside of the casing. Usually, as the probe moves down the well and out of the influence of a metallic casing, a spike is created in the data. As the probe passes through different layers of rock, the different physical properties will cause conductivity values to vary. Generally, a clean sand or sandstone will produce lower conductivity values than clay or mudstone. While the properties of the rocks or well construction will remain constant from year to year, those of the porewater may change due to saline intrusion. Conductivity values from freshwater-saturated rocks are typically less than 25 mS/m, whereas conductivity values from saltwater-saturated rocks are typically greater than 67 mS/m (Hittle, 1999). Therefore, induction logging can be used to assess increases or decreases in the conductivity of pore waters caused by movement of the saltwater interface.

Data Collection and Computation

Measurements are generally made during the period of lowest aquifer water levels in April of each year. However, some wells may have additional logs. During periods of decreased water-levels, saltwater intrusion into a freshwater aquifer is likely at a maximum. In wells where saltwater is detectable, the graphic representation of data from successive years will show any vertical movement of the saltwater-freshwater interface. Measuring this vertical movement of the interface is the primary use of the bulk conductivity logs published in this report. Upward movement of the interface between freshwater and saltwater in a monitoring well indicates that saltwater intrusion is increasing in that area. Downward movement of the interface indicates recession of the saltwater front near the monitoring well.

In the conductivity plots of some of the wells logged for this report, the interface position can be seen as the point where low values of conductivity increase suddenly to values generally above 67 mS/m (usually near the bottom of the well). However, the interface position is not as apparent in other wells and in some, there is no interface.

In wells selected for induction logging, a water sample may be collected and analyzed as a check on the level of salinity. Because the bulk conductivity is a function of fluid conductivity, lithology, and porosity, the relationship between these logs and the chloride samples may not be as obvious as the relationship between fluid conductivity and chloride concentrations generally are. If the rock is not very porous then the change in bulk conductivity caused by changes in the salinity of the pore water may be smaller than might be expected. None the less, the long-term changes in the bulk conductivity logs are sufficient to assess upward or downward movement of the interface. To aid in interpretation of the bulk conductivity logs whenever chloride samples are collected on the same day as that log, the chloride concentration is shown on the plot of bulk conductivity.

The instrument used to collect data for this report is calibrated prior to each field session. The calibration procedure results in a calibration factor that converts raw instrument readings into calibrated values of conductivity. When data were graphed for the 2000 annual water resources data report, offsets and amplitude differentials occurred in the calibrated values of bulk conductivity for each well between successive years. Investigation revealed that the discrepancies were a function of differing calibration factors between years. Most calibration factors differed because of temperature and humidity differences during calibration procedures. Calibration procedures, adapted during the 2000 water year, are designed to minimize the influence of variable temperature and humidity. Before calibrating, the induction probe was run into a well and allowed to equilibrate in the water column. The probe was then removed from the well and the instrument immediately calibrated.

Factors other than variable temperature and humidity also have caused offsets and amplitude differentials. Because of an error while calibrating the instrument for the 1998 water year, a high-end calibration parameter was used that differed from other years. The differing parameter caused a data offset at higher ends of the scale. A second factor that may have caused data offset and amplitude differentials occurred with data collected for the 2000 water year. Prior to logging for the 2000 water year, the instrument was updated with respect to firmware and software. After logging, it was found that the data had been truncated at the decimal point (see Accuracy of Bulk Conductivity).

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**Accuracy of Bulk Conductivity**

There are two components that affect the quality of the induction logs published in this report: (1) vertical or depth accuracy and (2) accuracy and precision of measured bulk conductivity. As indicated in the preceding section, the vertical accuracy which affects the interface position is the most critical factor in this monitoring effort. Therefore, as long as the interface is clearly indicated in the logs of bulk conductivity, the accuracy with which its depth can be determined is the primary component of interest. A quality control program sets the velocity of the probe at 12 feet per minute while logging. Before logging begins, a spot on the probe, 3.32 feet above the sensing head, is aligned with the measuring point of the well. Wherever possible, the data that was recorded as the probe was moved up the well was used to produce the plots for this report. Depth values between successive water years were adjusted, if needed, to coincide at explicitly identifiable conductivity peaks recorded from an upper part of the well. Depth values are interpolated to the nearest tenth of a foot. The precision of depth determinations using this reporting method should be considered to be about  $\pm 0.1$  foot.

The accuracy and precision of measured bulk conductivity are a function of both the inherent accuracy of the induction probe and its calibration. The inherent precision of the probe is considered by the manufacturer to be  $\pm 5$  percent of the full scale. The induction probe was calibrated to a full scale of 1,000 mS/m. This translates into a precision of  $\pm 50$  mS/m at full scale. Analysis indicated that the offsets caused by the effects of temperature and humidity on calibration were well within this range.

Accuracy of data collected during the 2000 water year may have been affected by the firmware or software update in December, 1999. The data collected using this new software and firmware was considerably offset when compared to previous induction logs. In addition, the final values were truncated at the decimal point, whereas those collected prior to the update were recorded to the thousandths decimal place. These final values are the result of a multiplication of the raw data from the instrument and a calibration factor. It is unknown whether or not the raw values were truncated at the decimal point. If so, the resulting error could be on the order of 5 mS/m too low. Because the offsets data from the 2000 water year is often 5 mS/m lower than the data from other years, truncation of the raw data is probably the explanation.

**Data Presentation**

Records of conductivity are published individually on the page immediately following the well manuscript. Data for conductivity are identified by well number. Each record consists of a single graph representing conductivity, a lithologic log, and a brief explanation.

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RECORDS OF GROUND-WATER QUALITY

Records of ground-water quality in this report differ from other types of records in that, for most sampling sites, they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes slowly; therefore, for most general purposes, one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

Data Collection and Computation

The records of ground-water quality in this report were obtained mostly as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some counties but none are presented for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality in the report area. Such a view can be attained only by considering records for this year in context with similar records obtained for these and other counties in earlier years.

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents.

The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure 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.

Data Presentation

The records of ground-water quality are published immediately following the ground-water-level records of each county. Data for quality of ground water are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. The Remark Codes listed for surface-water-quality records are also applicable to ground-water-quality records.

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 at:

<http://water.usgs.gov>

Some water-quality and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on magnetic tape or 3-1/2 inch floppy disk. Information about the availability of specific types of data products, and user charges, can be obtained locally from each of the Water Resources Division District Offices (See address on the back of the title page).

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## DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, 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 on the inside of the back cover.

**Acid neutralizing capacity (ANC)** is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an "unfiltered" sample (formerly reported as alkalinity).

**Acre-foot (AC-FT, acre-ft)** is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also "Annual runoff")

**Adenosine triphosphate (ATP)** is an organic, phosphate-rich, compound important in the transfer of energy in organisms. Its central role in living cells makes ATP an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

**Algal growth potential (AGP)** is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

**Alkalinity** is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a "filtered" sample.

**Annual runoff** is the total quantity of water that is discharged ("runs off") from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

**Annual 7-day minimum** is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 to September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

**Aroclor** is the registered trademark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of sub-

stitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type and the last two digits represent the weight percent of the hydrogen substituted chlorine.

**Artificial substrate** is a device that is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hard-board) for benthic organism collection, and plexiglass strips for periphyton collection. (See also "Substrate")

**Ash mass** is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500 °C for 1 hour. Ash mass of zooplankton and phytoplankton is expressed in grams per cubic meter ( $g/m^3$ ), and periphyton and benthic organisms in grams per square meter ( $g/m^2$ ). (See also "Biomass")

**Bacteria** are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

**Base discharge (for peak discharge)** is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peaks per year will be published.

**Base flow** is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

**Bedload** is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to 0.5 ft) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler may also contain a component of the suspended load.

**Bedload discharge (tons per day)** is rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended

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sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload" and "Sediment")

**Bed material** is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

**Benthic organisms** are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

**Biochemical oxygen demand (BOD)** is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

**Biomass** is the amount of living matter present at any given time, expressed as mass per unit area or volume of habitat.

**Biomass pigment ratio** is an indicator of the total proportion of periphyton which are autotrophic (plants). This is also called the Autotrophic Index.

**Blue-green algae (Cyanophyta)** are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

**Bottom material** (See "Bed material")

**Bulk conductivity** is the combined electrical conductivity of all material (including pore water) within an approximately 8 to 40 inch doughnut shaped area surrounding an induction probe (McNeill and others, 1990). Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved solids content of the pore water and lithology and porosity of the rock.

**Cells/volume** refers to the number of cells of any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, and are generally reported as cells or units per milliliter (mL) or liter (L).

**Cells volume (biovolume)** determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume ( $\mu\text{m}^3$ ) is determined by obtaining critical cell measurements on cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geo-

metric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

$$\text{sphere } \frac{4}{3} \pi r^3 \quad \text{cone } \frac{1}{3} \pi r^2 h \quad \text{cylinder } \pi r^2 h.$$

pi is the ratio of the circumference to the diameter of a circle; pi = 3.14159...

From cell volume, total algal biomass expressed as biovolume ( $\mu\text{m}^3/\text{mL}$ ) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes over all species.

**Cfs-day** (See "Cubic foot per second-day")

**Chemical oxygen demand (COD)** is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also "Biochemical oxygen demand (BOD)"]

**Clostridium perfringens (C. perfringens)** is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

**Coliphages** are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of waters and of the survival and transport of viruses in the environment.

**Color unit** is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

**Confined aquifer** is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

**Contents** is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

**Continuous-record station** is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

**Control** designates a feature in the channel downstream from a gaging station that physically influences the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

**Control structure** as used in this report is a structure on a stream or canal that is used to

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regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

**Cubic foot per second** (CFS, ft<sup>3</sup>/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-feet" sometimes is used synonymously with "cubic feet per second" but is now obsolete.

**Cubic foot per second-day** (CFS-DAY, Cfs-day, [(ft<sup>3</sup>/s)/d]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily-mean discharges reported in the daily-value data tables are numerically equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

**Cubic foot per second per square mile** [CFSM, (ft<sup>3</sup>/s)/mi<sup>2</sup>] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area. (See also "Annual runoff")

**Daily mean suspended-sediment concentration** is the time-weighted concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Mean concentration of suspended sediment," "Sediment," and "Suspended-sediment concentration")

**Daily-record station** is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to periodic sample or data collection on a daily or near-daily basis.

**Data Collection Platform** (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

**Data logger** is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data are usually downloaded from onsite data loggers for entry into office data systems.

**Datum** is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or UTM coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

**Diatoms** are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

**Diel** is of or pertaining to a 24-hour period of time; a regular daily cycle.

**Discharge**, or flow, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediments or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents such as suspended sediment, bedload, and dissolved or suspended chemical constituents, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

**Dissolved** refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of "dissolved" constituent concentrations are made on sample water that has been filtered.

**Dissolved oxygen** (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

**Dissolved-solids concentration** in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L CaCO<sub>3</sub>) can be converted to carbonate concentration by multiplying by 0.60.

**Diversity index** (H) (Shannon Index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = - \sum_{i=1}^s \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

where  $n_i$  is the number of individuals per taxon,  $n$  is the total number of individuals, and  $s$  is the total number of taxa in the sample of the community. Index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

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**Drainage area** of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

**Drainage basin** is a part of the Earth's surface that contains a drainage system with a common outlet for its surface runoff. (See "Drainage area")

**Dry mass** refers to the mass of residue present after drying in an oven at 105 °C, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass. (See also "Ash mass," "Biomass," and "Wet mass")

**Dry weight** refers to the weight of animal tissue after it has been dried in an oven at 65 °C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue. (See also "Wet weight")

**Enterococcus bacteria** are commonly found in the feces of humans and other warm-blooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on mE agar and subsequent transfer to EIA medium. Enterococci include *Streptococcus faecalis*, *Streptococcus faecium*, *Streptococcus avium*, and their variants. (See also "Bacteria")

**EPT Index** is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that are generally considered pollution sensitive, the index usually decreases with pollution.

**Escherichia coli (E. coli)** are bacteria present in the intestine and feces of warm-blooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 °C on mTEC medium. Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

**Estimated (E) value** of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an 'E' code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an 'E' code even though the measured value is greater than the MDL. A value reported with an 'E' code

should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<).

**Euglenoids (Euglenophyta)** are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark. (See also "Phytoplankton")

**Extractable organic halides (EOX)** are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semi-volatile and extractable by ethyl acetate from air-dried streambed sediments. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediments.

**Fecal coliform bacteria** are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C plus or minus 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

**Fecal streptococcal bacteria** are present in the intestine of warm-blooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

**Fire algae (Pyrrhophyta)** are free-swimming unicells characterized by a red pigment spot. (See also "Phytoplankton")

**Flow-duration percentiles** are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

**Gage datum** is a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly larger than the maximum depth of water. Because the gage datum itself is not an actual physical object, the datum usually is defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any National geodetic datum. However, if the elevation of the gage datum relative to the National datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage

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readings can be converted to elevations above the National datum by adding the elevation of the gage datum to the gage reading.

**Gage height** (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

**Gage values** are values that are recorded, transmitted and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

**Gaging station** is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

**Gas chromatography/flame ionization detector** (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

**Green algae** have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

**Habitat quality index** is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

**Hardness** of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate (CaCO<sub>3</sub>).

**High tide** is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. See NOAA web site:

<http://www.co-ops.nos.noaa.gov/tideglos.html>

**Hilsenhoff's Biotic Index** (HBI) is an indicator of organic pollution which uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = \frac{\sum(n)(a)}{N}$$

where  $n$  is the number of individuals of each taxon,  $a$  is the tolerance value of each taxon, and  $N$  is the total number of organisms in the sample.

**Horizontal datum** (See "Datum")

**Hydrologic benchmark station** is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a benchmark station may be used to separate effects of natural from human-induced changes in other basins that have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped benchmark basin.

**Hydrologic index stations** referred to in this report are four continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

**Hydrologic unit** is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the USGS. Each hydrologic unit is identified by an 8-digit number.

**Inch** (IN., in.), as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it. (See also "Annual runoff")

**Instantaneous discharge** is the discharge at a particular instant of time. (See also "Discharge")

**Laboratory Reporting Level** (LRL) is generally equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a non-detection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually based on the most current quality-control data and may, therefore, change. [Note: In several previous NWQL documents (Connor and others, 1998; NWQL Technical Memorandum 98.07, 1998), the LRL was called the non-detection value or NDV—a term that is no longer used.]

**Land-surface datum** (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

**Light-attenuation coefficient**, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation

$$I = I_0 e^{-\lambda L}$$

where  $I_0$  is the source light intensity,  $I$  is the light intensity at length  $L$  (in meters) from the source,  $\lambda$  is the light-attenuation coefficient, and  $e$  is the base of the natural logarithm. The light attenuation coefficient is defined as

$$\lambda = -\frac{1}{L} \log_e \frac{I}{I_0}$$

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**Lipid** is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

**Long-Term Method Detection Level (LT-MDL)** is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike sample measurements over an extended period of time. LT-MDL data are collected on a continuous basis to assess year-to-year variations in the LT-MDL. The LT-MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT-MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

**Low tide** is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. See NOAA web site: <http://www.co-ops.nos.noaa.gov/tideglos.html>

**Macrophytes** are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that are usually arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

**Mean concentration of suspended sediment** (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

**Mean discharge (MEAN)** is the arithmetic mean of individual daily mean discharges during a specific period. (See also "Discharge")

**Mean high or low tide** is the average of all high or low tides, respectively, over a specific period.

**Mean sea level** is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also "Datum")

**Measuring point (MP)** is an arbitrary permanent reference point from which the distance to water surface in a well is measured to obtain water level.

**Membrane filter** is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

**Metamorphic stage** refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many interme-

diates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

**Method Detection Limit (MDL)** is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

**Methylene blue active substances (MBAS)** are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

**Micrograms per gram (UG/G,  $\mu\text{g/g}$ )** is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

**Micrograms per kilogram (UG/KG,  $\mu\text{g/kg}$ )** is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

**Micrograms per liter (UG/L,  $\mu\text{g/L}$ )** is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

**Microsiemens per centimeter (US/CM,  $\mu\text{S/cm}$ )** is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

**Milligrams per liter (MG/L,  $\text{mg/L}$ )** is a unit for expressing the concentration of chemical constituents in water as the mass (milligrams) of constituent per unit volume (liter) of water. Concentration of suspended sediment also is expressed in  $\text{mg/L}$  and is based on the mass of dry sediment per liter of water-sediment mixture.

**Minimum Reporting Level (MRL)** is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method (Timme, 1995).

**Miscellaneous site**, miscellaneous station, or miscellaneous sampling site is a site where stream-flow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

**Most probable number (MPN)** is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual

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enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

**Multiple-plate samplers** are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

**Nanograms per liter (NG/L, ng/L)** is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

**National Geodetic Vertical Datum of 1929 (NGVD of 1929)** is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations, it does not necessarily represent local mean sea level at any particular place. See NOAA web site: <http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88> (See "North American Vertical Datum of 1988")

**Natural substrate** refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives. (See also "Substrate")

**Nekton** are the consumers in the aquatic environment and consist of large free-swimming organisms that are capable of sustained, directed mobility.

**Nephelometric turbidity unit (NTU)** is the measurement for reporting turbidity that is based on use of a standard suspension of Formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

**North American Vertical Datum of 1988 (NAVD 1988)** is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the U.S. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and U.S. first-order terrestrial leveling networks.

**Open or screened interval** is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

**Organic carbon (OC)** is a measure of organic matter present in aqueous solution, suspension, or bottom sediments. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

**Organic mass** or volatile mass of the living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

**Organism count/area** refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m<sup>2</sup>), acre, or hectare. Periphyton,

benthic organisms, and macrophytes are expressed in these terms.

**Organism count/volume** refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

**Organochlorine compounds** are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

**Parameter Code** is a 5-digit number used in the USGS computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

**Partial-record station** is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

**Particle size** is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method utilizes the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, Sedigraph) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

**Particle-size classification**, as used in this report, agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	0.00024 - 0.004	Sedimentation
Silt	0.004 - 0.062	Sedimentation
Sand	0.062 - 2.0	Sedimentation/sieve
Gravel	2.0 - 64.0	Sieve

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

**Peak flow (peak stage)** is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value

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occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation to the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

**Percent composition or percent of total** is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, mass, or volume.

**Percent shading** is determined by using a clinometer to estimate left and right bank shading. The values are added together and divided by 180 to determine percent shading relative to a horizontal surface.

**Periodic-record station** is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year, but at a frequency insufficient to develop a daily record.

**Periphyton** is the assemblage of microorganisms attached to and living upon submerged solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton are useful indicators of water quality.

**Pesticides** are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

**pH** of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7 are termed "acidic," and solutions with a pH greater than 7 are termed "basic." Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

**Phytoplankton** is the plant part of the plankton. They are usually microscopic, and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and are commonly known as algae. (See also "Plankton")

**Picocurie** (PC, pCi) is one trillionth ( $1 \times 10^{-12}$ ) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields  $3.7 \times 10^{10}$  radioactive disintegrations per second (dps). A picocurie

yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

**Plankton** is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL of sample).

**Polychlorinated biphenyls** (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

**Polychlorinated naphthalenes** (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

**Primary productivity** is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated (carbon method) by the plants.

**Primary productivity (carbon method)** is expressed as milligrams of carbon per area per unit time [ $\text{mg C}/(\text{m}^2/\text{time})$ ] for periphyton and macrophytes or per volume [ $\text{mg C}/(\text{m}^3/\text{time})$ ] for phytoplankton. Carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

**Primary productivity (oxygen method)** is expressed as milligrams of oxygen per area per unit time [ $\text{mg O}/(\text{m}^2/\text{time})$ ] for periphyton and macrophytes or per volume [ $\text{mg O}/(\text{m}^3/\text{time})$ ] for phytoplankton. Oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

**Radioisotopes** are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the

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cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

**Recoverable from bed (bottom) material** is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. (See also "Bed material")

**Recurrence interval**, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or non-exceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day 10-year low flow ( $7Q_{10}$ ) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the non-exceedances of the  $7Q_{10}$  occur less than 10 years after the previous non-exceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the  $7Q_{10}$ .

**Replicate samples** are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

**Return period** (See "Recurrence interval")

**River mileage** is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council, and typically used to denote location along a river.

**Runoff** is the quantity of water that is discharged ("runs off") from a drainage basin in a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also "Annual runoff")

**Sea level**, as used in this report, refers to one of the two commonly used national vertical datums, (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums. See conversion of units page (inside back cover) for identification of the datum used in this report.

**Sediment** is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

**Seven-day 10-year low flow ( $7Q_{10}$ )** is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-run average. The recurrence interval of the  $7Q_{10}$  is 10 years; the chance that the annual 7-day minimum flow will be less than the  $7Q_{10}$  is 10 percent in any given year. (See also "Recurrence interval" and "Annual 7-day minimum")

**Sodium adsorption ratio (SAR)** is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

**Specific electrical conductance (conductivity)** is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

**Stable isotope ratio** (per MIL/MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific waters, to evaluate mixing of different waters, as an aid in determining reaction rates, and other chemical or hydrologic processes.

**Stage** (See "Gage height")

**Stage-discharge relation** is the relation between the water-surface elevation, termed stage (gage

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height), and the volume of water flowing in a channel per unit time.

**Streamflow** is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

**Substrate** is the physical surface upon which an organism lives.

**Substrate Embeddedness Class** is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2mm, sand or finer). Below are the class categories expressed as percent covered by fine sediment:

0	< no gravel or larger substrate		
1	> 75%		
2	51-75%	4	5-25%
3	26-50%	5	< 5%

**Surface area of a lake** is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

**Surficial bed material** is the upper surface (0.1 to 0.2 ft) of the bed material such as that material which is sampled using U.S. Series Bed-Material Samplers.

**Suspended** (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is operationally defined as the material retained on a 0.45-micrometer filter.

**Suspended, recoverable** is the amount of a given constituent that is in solution after the part of a representative suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable" constituents are made either by directly analyzing the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

**Suspended sediment** is the sediment maintained in suspension by the upward components of turbulent

currents or that exists in suspension as a colloid. (See also "Sediment")

**Suspended-sediment concentration** is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also "Sediment" and "Suspended sediment")

**Suspended-sediment discharge (tons/day)** is the rate of sediment transport, as measured by dry mass or volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft<sup>3</sup>/s) x 0.0027. (See also "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

**Suspended-sediment load** is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also "Sediment")

**Suspended, total** is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total." Determinations of "suspended, total" constituents are made either by directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

**Suspended solids, total residue at 105 °C concentration** is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

**Synoptic studies** are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

**Taxa richness** is the total number of distinct species or groups and usually decreases with pollution. (See also "Percent Shading")

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**Taxonomy** is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

Kingdom:	Animal
Phylum:	Arthropoda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	<i>Hexagenia</i>
Species:	<i>Hexagenia limbata</i>

**Temperature preferences:**

Cold - preferred water temperature for the species is less than 20 °C or spawning temperature preference less than 16 °C and native distribution is considered to be predominantly north of 45° N. latitude.

Warm - preferred water temperatures for the species is greater than 20 °C or spawning temperature preference greater than 16 °C and native distribution is considered to be predominantly south of 45° N. latitude.

Cool - intermediate between cold and warm water temperature preferences.

**Thermograph** is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table descriptions and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

**Time-weighted average** is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water resulting from the mixing of flow proportionally to the duration of the concentration.

**Tons per acre-foot (T/acre-ft)** is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

**Tons per day (T/DAY, tons/d)** is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bed-load that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

**Total** is the amount of a given constituent in a representative whole-water (unfiltered) sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical method-

ology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined at least 95 percent of the constituent in the sample.)

**Total coliform bacteria** are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warm-blooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C plus or minus 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

**Total discharge** is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

**Total in bottom material** is the amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

**Total length** (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

**Total load** refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

**Total organism count** is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume.")

**Total recoverable** is the amount of a given constituent in a whole-water sample after a sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures

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**Total sediment discharge** is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Sediment," "Suspended sediment," "Suspended-Sediment Concentration," "Bedload," and "Bedload discharge")

**Total sediment load** or total load is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also "Sediment," "Suspended-Sediment Load," and "Total load")

**Trophic group:**

**Filter feeder** - diet composed of suspended plant and/or animal material.

**Herbivore** - diet composed predominantly of plant material.

**Invertivore** - diet composed predominantly of invertebrates.

**Omnivore** - diet composed of at least 25-percent plant and 25-percent animal material.

**Piscivore** - diet composed predominantly of fish.

**Turbidity** is the reduction in the transparency of a solution due to the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to EPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values. Consequently, the method of measurement and type of instrument used to derive turbidity records should be included in the "REMARKS" column of the Annual Data Report.

**Ultraviolet (UV) absorbance (absorption)** at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of pathlength of UV light through a sample.

**Vertical datum** (See "Datum")

**Volatile organic compounds** (VOCs) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert

gas, such as helium, and subsequently analyzed by gas chromatography. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens (U.S. Environmental Protection Agency, 1996).

**Water table** is the level in the saturated zone at which the pressure is equal to the atmospheric pressure.

**Water-table aquifer** is an unconfined aquifer within which is found the water table.

**Water year** in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2001, is called the "2001 water year."

**WDR** is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports. (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976.)

**Weighted average** is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

**Wet mass** is the mass of living matter plus contained water. (See also "Biomass" and "Dry mass")

**Wet weight** refers to the weight of animal tissue or other substance including its contained water. (See also "Dry weight")

**WSP** is used as an acronym for "Water-Supply Paper" in reference to previously published reports.

**Zooplankton** is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers. (See also "Plankton")

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## TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS OF THE U.S. GEOLOGICAL SURVEY

The U.S.G.S. publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, section A of book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

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- 1-D1. *Water temperature-influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS-TWRI book 1, chap. D1. 1975. 65 p.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS-TWRI book 1, chap. D2. 1976. 24 p.

**Book 2. Collection of Environmental Data****Section D. Surface Geophysical Methods**

- 2-D1. *Application of surface geophysics to ground-water investigations*, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS-TWRI book 2, chap. D1. 1974. 116 p.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS-TWRI book 2, chap. D2. 1988. 86 p.

**Section E. Subsurface Geophysical Methods**

- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W.S. Keys and L.M. MacCary: USGS-TWRI book 2, chap. E1. 1971. 126 p.
- 2-E2. *Borehole geophysics applied to ground-water investigations*, by W.S. Keys: USGS-TWRI book 2, chap. E2. 1990. 150 p.

**Section F. Drilling and Sampling Methods**

- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS-TWRI book 2, chap. F1. 1989. 97 p.

**Book 3. Applications of Hydraulics****Section A. Surface-Water Techniques**

- 3-A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS-TWRI book 3, chap. A1. 1967. 30 p.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS-TWRI book 3, chap. A2. 1967. 12 p.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS-TWRI book 3, chap. A3. 1968. 60 p.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS-TWRI book 3, chap. A4. 1967. 44 p.
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- 3-A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS-TWRI book 3, chap. A6. 1968. 13 p.

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- 3-A7. *Stage measurement at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS-TWRI book 3, chap. A7. 1968. 28 p.
- 3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS-TWRI book 3, chap. A8. 1969. 65 p.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.:
- 3-A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS-TWRI book 3, chap. A10. 1984. 59 p.
- 3-A11. *Measurement of discharge by the moving-boat method*, by G.F. Smoot and C.E. Novak: USGS-TWRI book 3, chap. A11. 1969. 22 p.
- 3-A12. *Fluorometric procedures for dye tracing, Revised*, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS-TWRI book 3, chap. A12. 1986. 34 p.
- 3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS-TWRI book 3, chap. A13. 1983. 53 p.
- 3-A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS-TWRI book 3, chap. A14. 1983. 46 p.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS-TWRI book 3, chap. A15. 1984. 48 p.
- 3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS-TWRI book 3, chap. A16. 1985. 52 p.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS-TWRI book 3, chap. A17. 1985. 38 p.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS-TWRI book 3, chap. A18. 1989. 52 p.
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- 3-A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS-TWRI book 3, chap. A20. 1993. 38 p.
- 3-A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS-TWRI book 3, chap. A21. 1995. 56 p.

**Section B. Ground-Water Techniques**

- 3-B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS-TWRI book 3, chap. B1. 1971. 26 p.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS-TWRI book 3, chap. B2. 1976. 172 p.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS-TWRI book 3, chap. B3. 1980. 106 p.
- 3-B4. *Regression modeling of ground-water flow*, by R.L. Cooley and R.L. Naff: USGS-TWRI book 3, chap. B4. 1990. 232 p.
- 3-B4. *Supplement 1. Regression modeling of ground-water flow --Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R.L. Cooley: USGS-TWRI book 3, chap. B4. 1993. 8 p.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS-TWRI book 3, chap. B5. 1987. 15 p.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS-TWRI book 3, chap. B6. 1987. 28 p.

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- 3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E.J. Wexler: USGS-TWRI book 3, chap. B7. 1992. 190 p.
- 3-B8. *System and boundary conceptualization in ground-water flow simulation*, by T.E. Reilly: USGS-TWRI book 3, chap. B8. 2001. 29 p.

**Section C. Sedimentation and Erosion Techniques**

- 3-C1. *Fluvial sediment concepts*, by H.P. Guy: USGS-TWRI book 3, chap. C1. 1970. 55 p.
- 3-C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS-TWRI book 3, chap. C2. 1999. 89 p.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS-TWRI book 3, chap. C3. 1972. 66 p.

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- 4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS-TWRI book 4, chap. A1. 1968. 39 p.
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**Section B. Surface Water**

- 4-B1. *Low-flow investigations*, by H.C. Riggs: USGS-TWRI book 4, chap. B1. 1972. 18 p.
- 4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS-TWRI book 4, chap. B2. 1973. 20 p.
- 4-B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS-TWRI book 4, chap. B3. 1973. 15 p.

**Section D. Interrelated Phases of the Hydrologic Cycle**

- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS-TWRI book 4, chap. D1. 1970. 17 p.

**Book 5. Laboratory Analysis****Section A. Water Analysis**

- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman, editors: USGS-TWRI book 5, chap. A1. 1989. 545 p.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P.R. Barnett and E.C. Mallory, Jr.: USGS-TWRI book 5, chap. A2. 1971. 31 p.
- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS-TWRI book 5, chap. A3. 1987. 80 p.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greenson, editors: USGS-TWRI book 5, chap. A4. 1989. 363 p.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS-TWRI book 5, chap. A5. 1977. 95 p.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS-TWRI book 5, chap. A6. 1982. 181 p.

**Section C. Sediment Analysis**

- 5-C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS-TWRI book 5, chap. C1. 1969. 58 p.

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**Book 6. Modeling Techniques****Section A. Ground Water**

- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS-TWRI book 6, chap. A1. 1988. 586 p.
- 6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S.A. Leake and D.E. Prudic: USGS-TWRI book 6, chap. A2. 1991. 68 p.
- 6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L.J. Torak: USGS-TWRI book 6, chap. A3. 1993. 136 p.
- 6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R.L. Cooley: USGS-TWRI book 6, chap. A4. 1992. 108 p.
- 6-A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L.J. Torak: USGS-TWRI book 6, chap. A5, 1993. 243 p.
- 6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler: USGS-TWRI book 6, chap. A5, 1996. 125 p.

**Book 7. Automated Data Processing and Computations****Section C. Computer Programs**

- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS-TWRI book 7, chap. C1. 1976. 116 p.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS-TWRI book 7, chap. C2. 1978. 90 p.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS-TWRI book 7, chap. C3. 1981. 110 p.

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- 8-A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS-TWRI book 8, chap. A1. 1968. 23 p.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS-TWRI book 8, chap. A2. 1983. 57 p.

**Section B. Instruments for Measurement of Discharge**

- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G.F. Smoot and C.E. Novak: USGS-TWRI book 8, chap. B2. 1968. 15 p.

**Book 9. Handbooks for Water-Resources Investigations****Section A. National Field Manual for the Collection of Water-Quality Data**

- 9-A1. *National Field Manual for the Collection of Water-Quality Data: Preparations for Water Sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A1. 1998. 47 p.
- 9-A2. *National Field Manual for the Collection of Water-Quality Data: Selection of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A2. 1998. 94 p.

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- 9-A3. *National Field Manual for the Collection of Water-Quality Data: Cleaning of Equipment for Water Sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A3. 1998. 75 p.
- 9-A4. *National Field Manual for the Collection of Water-Quality Data: Collection of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A4. 1999. 156 p.
- 9-A5. *National Field Manual for the Collection of Water-Quality Data: Processing of Water Samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS-TWRI book 9, chap. A5. 1999, 149 p.
- 9-A6. *National Field Manual for the Collection of Water-Quality Data: Field Measurements*, edited by F.D. Wilde and D.B. Radtke: USGS-TWRI book 9, chap. A6. 1998. Variously paginated.
- 9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, edited by D.N. Myers and F.D. Wilde: USGS-TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.
- 9-A8. *National Field Manual for the Collection of Water-Quality Data: Bottom-material samples*, by D.B. Radtke: USGS-TWRI book 9, chap. A8. 1998. 48 p.
- 9-A9. *National Field Manual for the Collection of Water-Quality Data: Safety in Field Activities*, by S.L. Lane and R.G. Fay: USGS-TWRI book 9, chap. A9. 1998. 60 p.

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# Broward County

## WATER RESOURCES DATA FOR FLORIDA, 2001

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Key to site locations on figure # 13

## Broward County

Index Number	Site Number	Well Name	Page Number	Index Index	Site Number	Well Name	Index Number
1	260010080085001	F 291	67	41	260638080095801	G 2131	100
2	260545080082001	G 561	98	42	261501080060701	G 2147	137
3	260515080202101	G 617	89	43	261403080070801	G 2149	133
4	261434080071901	G 853	134	44	260111080101402	G 2176	77
5	260535080104301	G 854	97	45	261018080091101	G 2180	115
6	260658080132001	G 1089	105	46	260342080115902	G 2264	87
7	261100080140401	G 1212	121	47	255910080085802	G 2294	59
8	261100080140402	G 1212A	122	48	260547080105801	G 2352	99
9	261734080111301	G 1213	141	49	261232080141401	G 2359	129
10	260752080084701	G 1220	108	50	261147080114501	G 2395	127
11	260458080134801	G 1221	88	51	255919080091202	G 2409	62
12	260219080141101	G 1223	80	52	255919080091203	G 2410	63
13	260252080085301	G 1224	83	53	260041080093101	G 2425	72
14	260032080135701	G 1225	69	54	260041080093102	G 2426	73
15	260053080105701	G 1226	74	55	261207080103701	G 2433	128
16	261122080083401	G 1232	124	56	260120080093401	G 2441	78
17	255948080090901	G 1241	66	57	261446080062801	G 2445	136
18	261903080065601	G 1260	145	58	255936080091701	G 2477	64
19	261708080090801	G 1315	140	59	255936080091702	G 2478	65
20	261441080111301	G 1316	135	60	261258080112901	G 2482	130
21	261143080082901	G 1340	126	61	260155080092002	G 2612	79
22	260753080113901	G 1343	109	62	261831080151301	G 2739	143
23	261026080100701	G 1347	117	63	260241080112701	G 2785	81
24	255916080090401	G 1435	60	64	260012080100001	G 2807	68
25	255918080091801	G 1473	61	65	261938080101001	G 2852	146
26	260035080101501	G 1597	70	66	261641080064801	G 2866	139
27	255807080224301	G 1636	56	67	261740080054101	G 2893	142
28	261534080165801	G 2031	138	68	261858080054101	G 2894	144
29	260821080185101	G 2032	112	69	261304080072501	G 2896	131
30	261141080163401	G 2033	125	70	261030080083301	G 2897	118
31	260653080184901	G 2034	103	71	260920080092201	G 2898	113
32	260040080104401	G 2035	71	72	260804080092701	G 2899	110
33	261045080093501	G 2090	120	73	260325080113901	G 2900	84
34	261026080100201	G 2091	116	74	260737080103301	G 2901	106
35	261112080121401	G 2108	123	75	260638080104801	G 2902	101
36	260533080123701	G 2122	93	76	255843080090901	G 2903	57
37	260528080122301	G 2123	91	77	260534080110801	G 2904	94
38	260521080122401	G 2125	90	78	260101080091501	G 2906	75
39	260534080112101	G 2129	96	79	260326080120301	G 2921	86
40	260530080112101	G 2130	92	80	260657080122301	S 329	104

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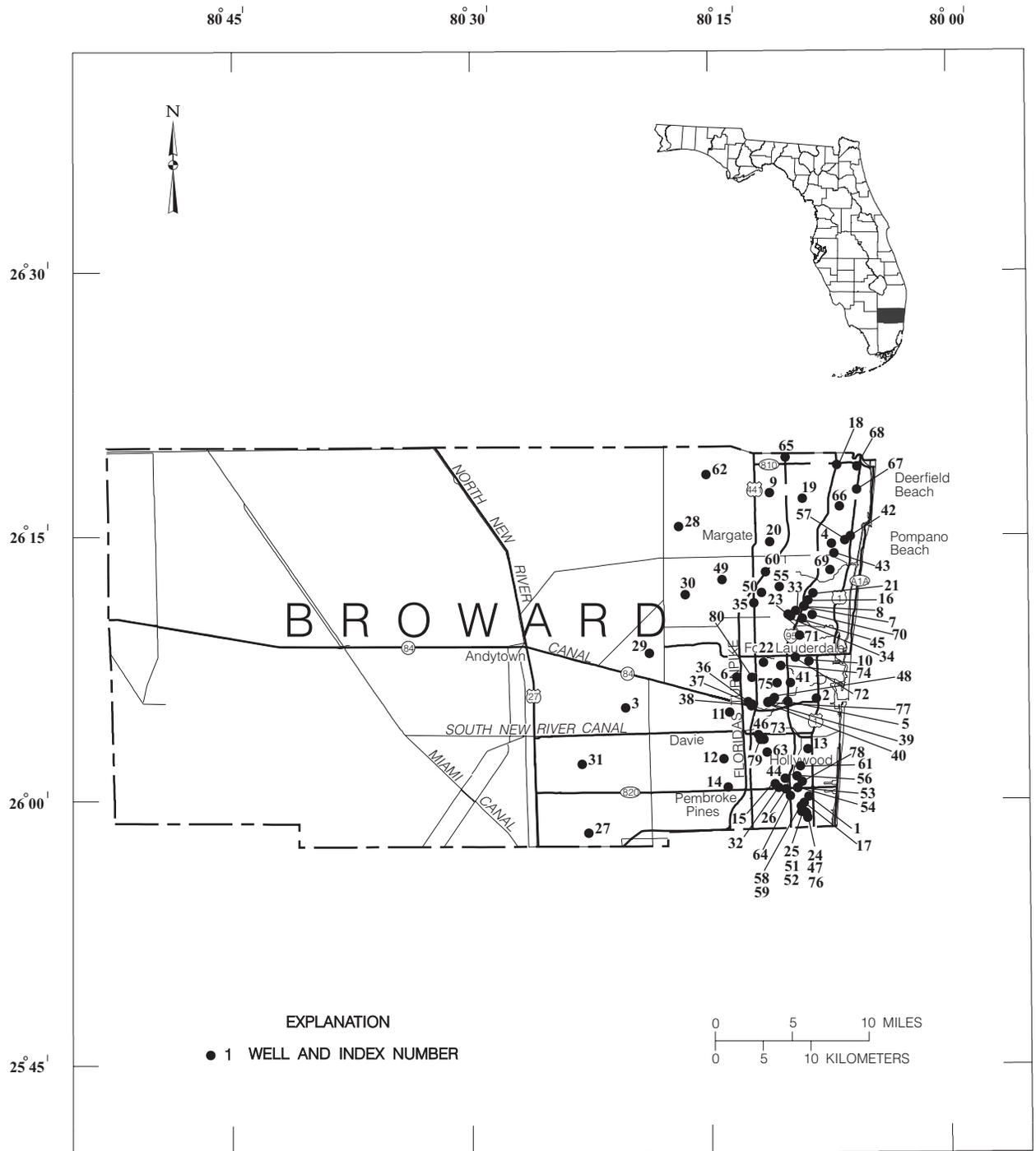


Figure 13: Location of wells in Broward County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--255807080224301. Local Number G 1636. USGS Observation Well in Miramar, FL.

LOCATION.--Lat 25°58'07", long 80°22'43", in SE ¼ NE ¼ sec.31, T.51 S., R.40 E., Hydrologic Unit 03090202, at radio towers west of SW 172nd Avenue, 3 mi south of SR 820, 4 mi west of Flamingo Road, and 5.8 mi northwest of Carol City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled; observation, water-table well, diameter 6 in., depth 24 ft, cased to 24 ft.

REVISED RECORDS.--WDR FL-85-2B:1979.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.02 ft above land-surface datum.

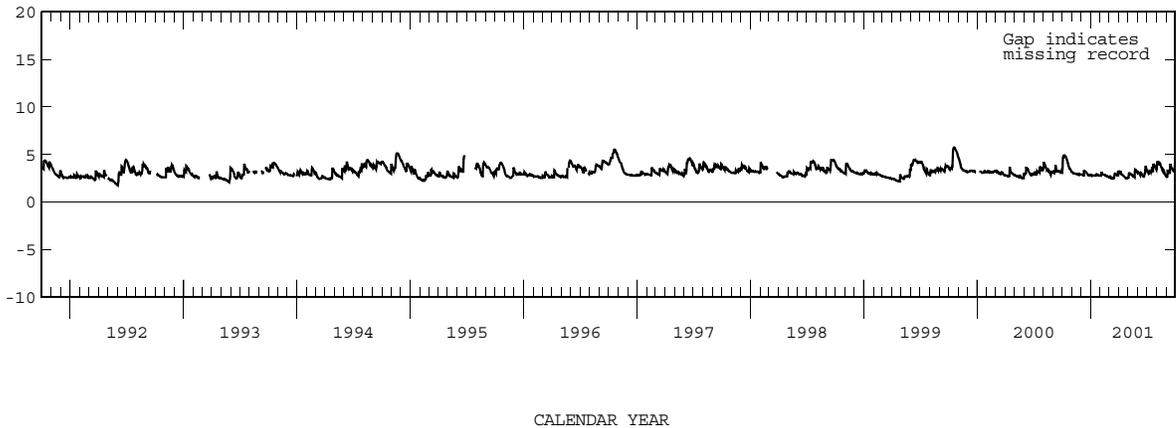
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.77 ft NGVD, Oct. 18, 1999; lowest, 1.79 ft NGVD, May 23, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.88	3.07	2.89	2.79	3.07	2.70	3.09	3.05	3.07	3.12	4.23	3.41
10	4.87	3.03	3.34	2.80	2.90	2.50	2.92	2.93	3.01	3.23	3.89	3.15
15	4.49	2.98	3.23	2.79	2.86	2.49	2.83	2.80	2.91	3.31	3.76	3.92
20	3.91	2.95	3.04	2.90	2.76	3.03	2.66	2.68	2.68	3.35	3.32	3.54
25	3.54	2.94	2.82	2.85	2.69	2.84	2.51	3.39	3.42	3.87	3.17	3.37
EOM	3.21	2.93	2.85	2.79	2.63	3.07	2.53	3.12	3.41	3.41	2.73	4.27
MAX	4.93	3.18	3.34	2.90	3.17	3.16	3.33	3.41	3.83	4.02	4.27	4.32



BROWARD COUNTY--Continued

WELL NUMBER.--255843080090901. Local Number G 2903. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°58'44", long 80°09'09", in NE ¼ SE ¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 44 ft south of transmit lift station on the east side of SW 4th Avenue and north of SE 7th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 155.5 ft, cased to 145.5 ft, screened 145.5 to 155.5 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape. See REMARKS.

DATUM.--Land-surface datum is 5.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

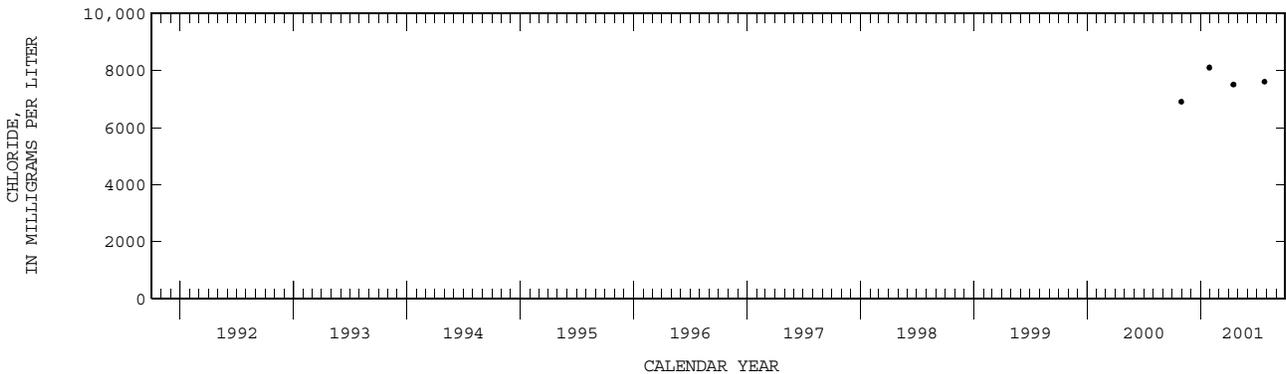
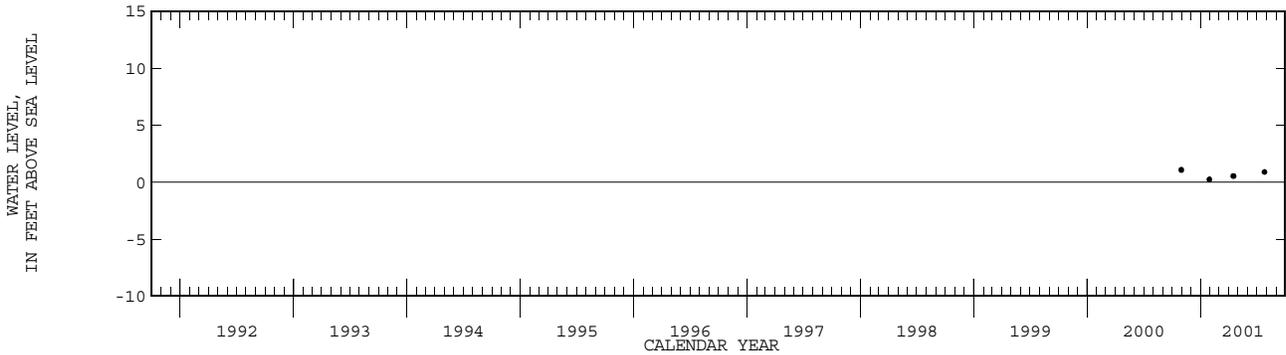
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Quarterly water-level measurements began in October 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.08 ft NGVD, Oct. 30, 2000; lowest, 0.24 ft NGVD, Jan. 29, 2001.

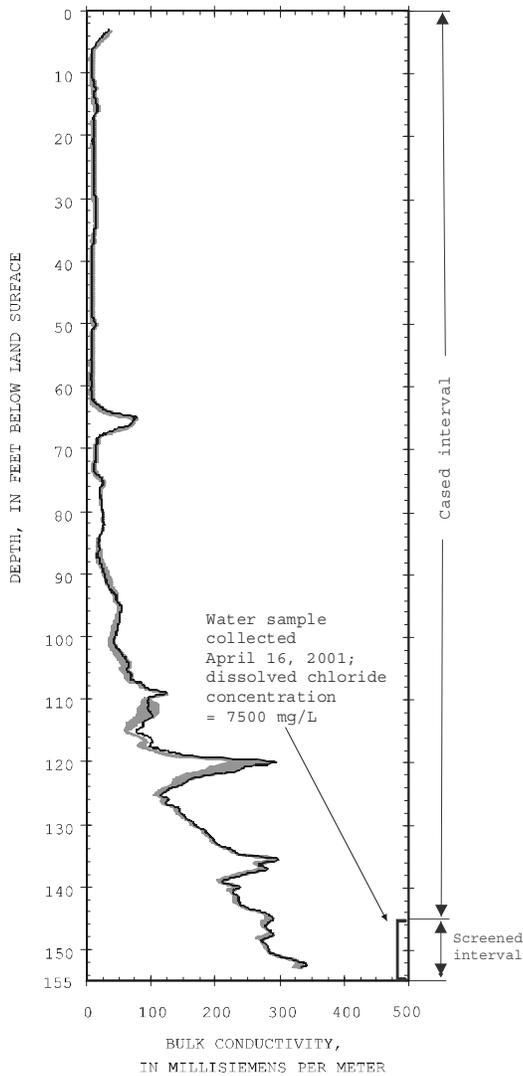
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 30...	1409	22100	6900	1.08	APR 16...	1259	22400	7500	.54
JAN 29...	0941	21400	8100	.24	JUL 25...	0936	22500	7600	.89

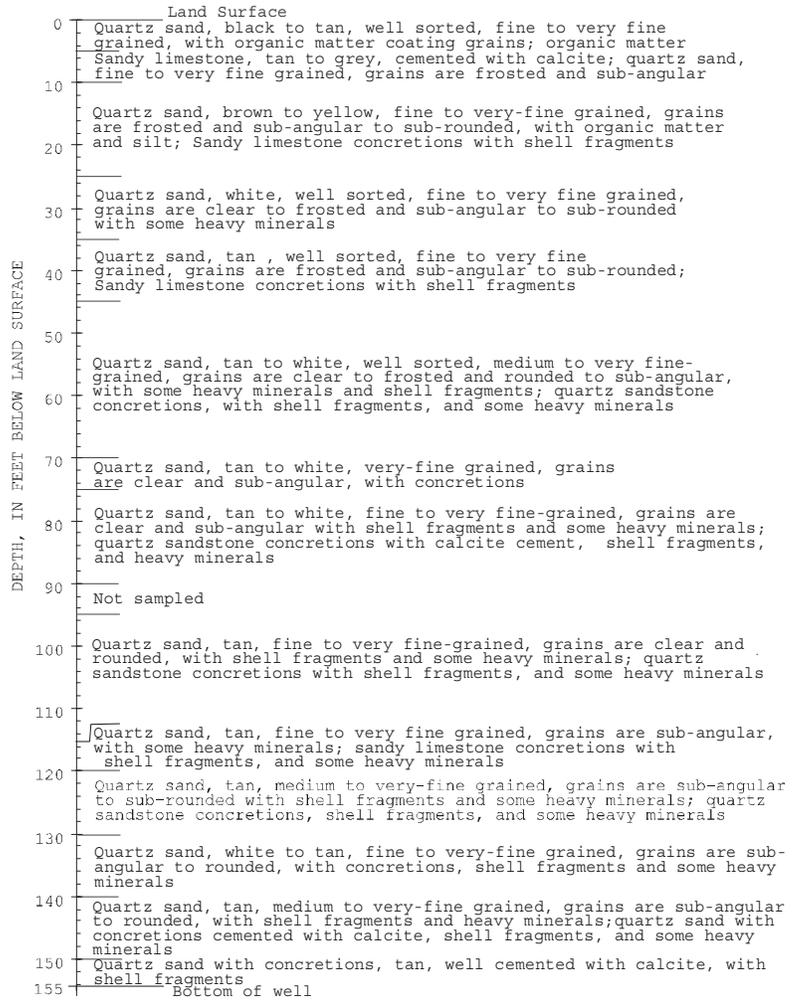


WELL NUMBER.--255843080090901. Local Number G 2903. USGS Observation Well near Hallandale, FL.

BULK CONDUCTIVITY



LITHOLOGIC LOG



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 16, 2001
- Shaded area represents range in bulk conductivity logs collected April 17, 2000 and August 29, 2000
- [ Delimits the interval for which the well is open to the aquifer

BROWARD COUNTY--Continued

WELL NUMBER.--255910080085802. Local Number G 2294. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'11", long 80°08'59", in SW ¼ NW ¼ SW ¼ sec.27, T.51 S., R.42 E., Hydrologic Unit 03090202, at intersection, 19 ft north of NW 1st Street and 10 ft west of NW 1st Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 139 ft, cased to 135 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.51 ft above land-surface datum.

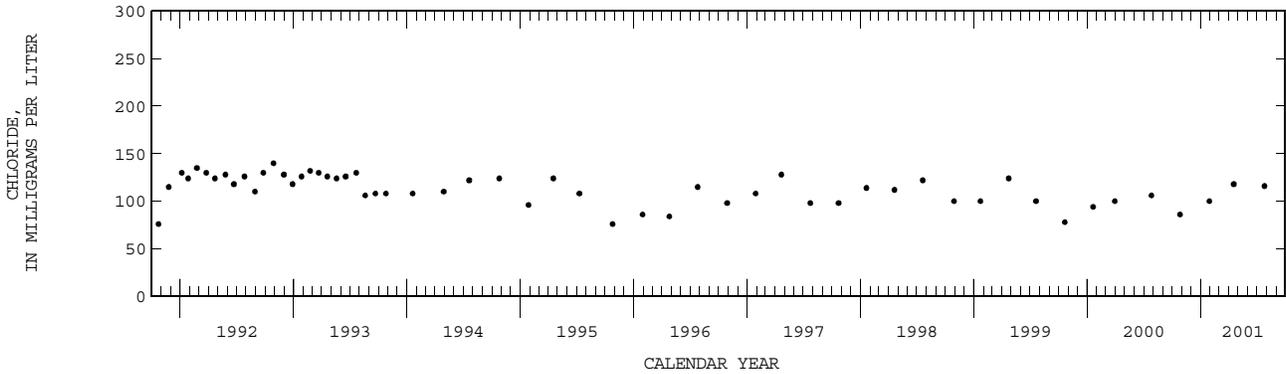
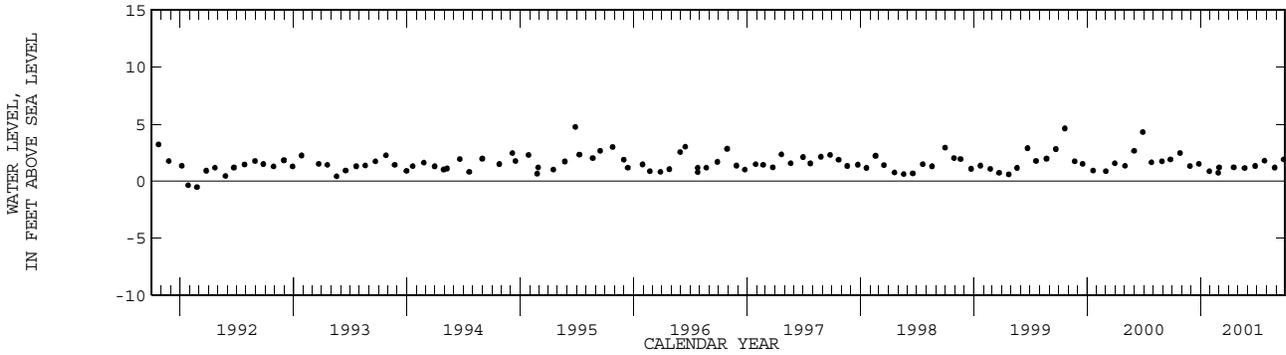
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.74 ft NGVD, June 27, 1995; lowest, 0.54 ft below NGVD, Feb. 24, 1992.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1130	604	86.0	2.46	APR 17...	1140	709	118	1.20
NOV 27...	1014	--	--	1.31	MAY 22...	0945	--	--	1.14
DEC 26...	1001	--	--	1.51	JUN 25...	1045	--	--	1.32
JAN 29...	1103	658	100	.86	JUL 25...	1149	761	116	1.78
FEB 26...	0948	--	--	.73	AUG 27...	1105	--	--	1.18
MAR 01...	0947	--	--	1.19	SEP 25...	1055	--	--	1.89



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--255916080090401. Local Number G 1435. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'16", long 80°09'04", in NE 1/4 NE 1/4 NE 1/4 sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 14.5 ft north of NW 2nd Street centerline and 55 ft east of NW 3rd Avenue centerline.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 204 ft, cased to 196 ft.

REVISED RECORDS.--WDR FL-99-2B-1998.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.09 ft below land-surface datum.

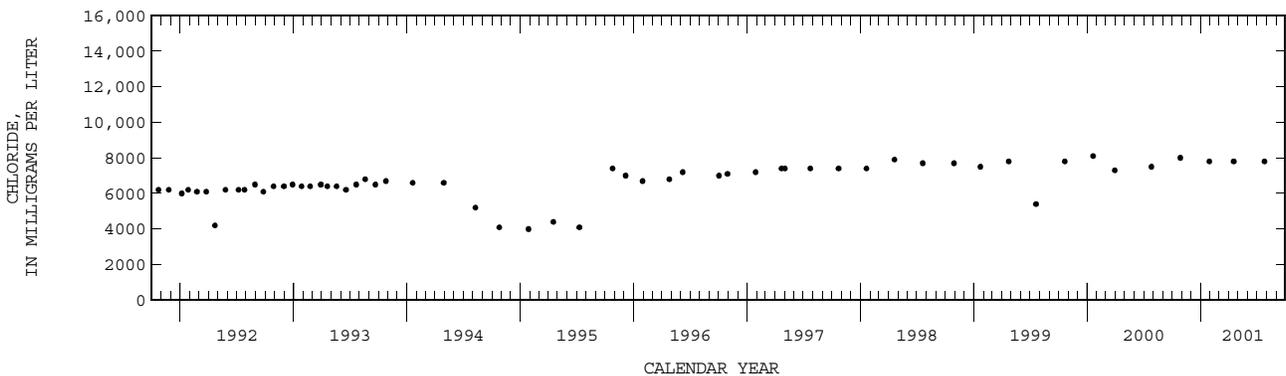
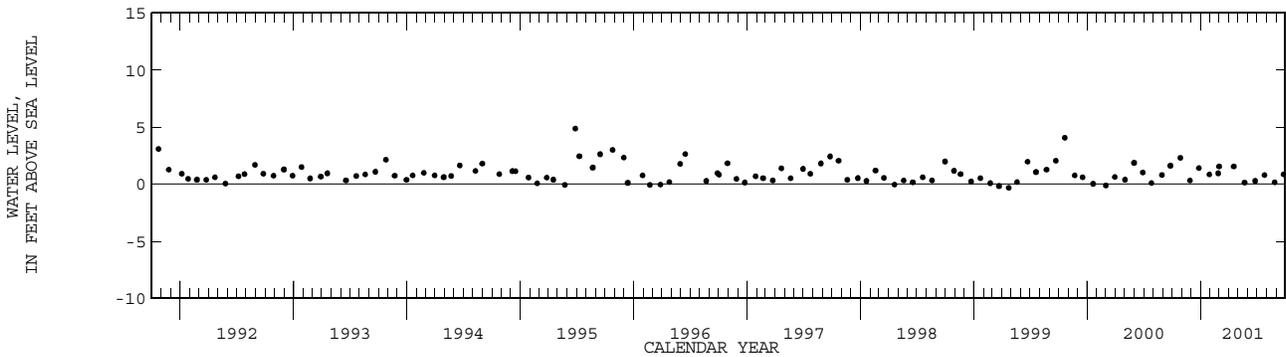
REMARKS.--Well also used for salinity monitoring, since 1969. Previously published figures of water-level elevation, as feet NGVD for the 1998 water year are incorrect. Corrected records are available in the files of the Geological Survey.

PERIOD OF RECORD.--October 1979, July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft NGVD, Oct. 4, 1979; lowest, 0.32 ft below NGVD, Apr. 23, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1100	21600	8000	2.31	APR 17...	1113	22400	7800	1.55
NOV 27...	1006	--	--	.32	MAY 22...	1004	--	--	.13
DEC 26...	0955	--	--	1.40	JUN 25...	1040	--	--	.28
JAN 29...	1046	21600	7800	.84	JUL 25...	1126	22300	7800	.79
FEB 26...	0943	--	--	.95	AUG 27...	1052	--	--	.16
MAR 01...	0941	--	--	1.54	SEP 25...	1052	--	--	.86



BROWARD COUNTY--Continued

WELL NUMBER.--255918080091801. Local Number G 1473. USGS Observation Well in Hallandale, FL.

LOCATION.--Lat 25°59'18", long 80°09'18", in NE ¼ NW ¼ NE ¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, at NW 6th Avenue and 2nd Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 132 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 10.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.63 ft above land-surface datum. Prior to October 1, 1980, land-surface datum was considered to be 11.22 ft NGVD. Prior to October 1, 1977, land-surface datum was considered to be 10.00 ft. See REMARKS.

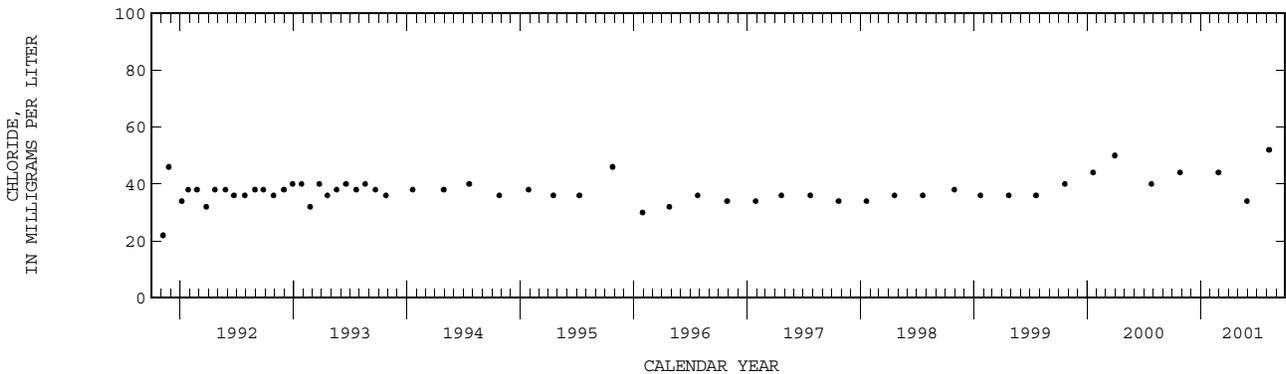
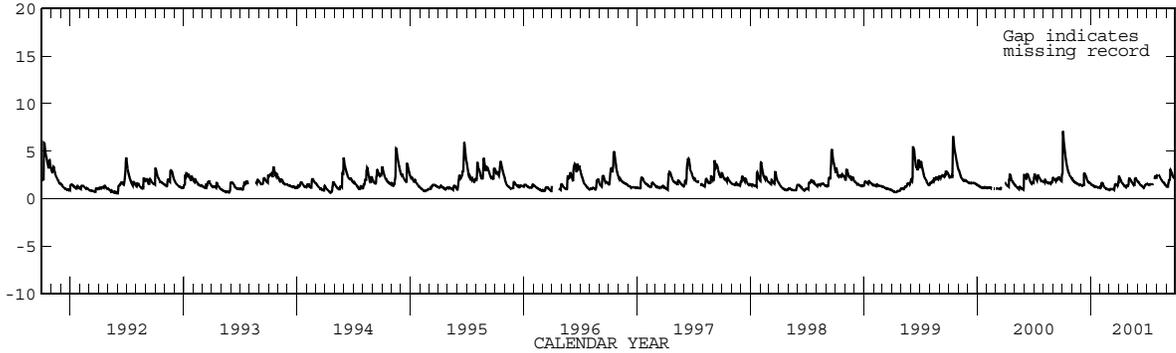
REMARKS.--Well also used for salinity monitoring. The figures of water level as elevation, in feet NGVD, prior to October 1, 1980, are in error. Corrected records are in files of the Geological Survey. Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--November 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.02 ft NGVD, Oct. 3, 4, 2000; lowest, 0.21 ft NGVD, Apr. 19, 21, 22, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.42	1.97	1.36	1.45	1.68	1.05	2.08	2.15	1.72	1.52	---	1.28
10	4.75	1.76	2.57	1.35	1.42	1.01	1.81	1.94	1.45	1.49	2.45	2.02
15	3.60	1.66	2.45	1.27	1.18	1.00	1.57	1.64	1.31	1.54	2.11	3.08
20	2.81	1.57	2.04	1.24	1.04	1.51	1.36	1.42	1.14	1.53	1.82	2.63
25	2.43	1.50	1.74	1.19	1.00	1.48	1.33	2.19	1.46	2.09	1.66	2.26
EOM	2.15	1.44	1.61	1.19	.97	1.74	1.34	1.89	1.55	2.12	1.41	---
MAX	7.02	2.14	2.69	1.58	1.68	1.74	2.35	2.19	1.80	2.37	2.58	3.08



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--255919080091202. Local Number G 2409. USGS Observation Well in Hallandale, FL.

LOCATION.--Lat 25°59'19", long 80°09'12", in NW ¼ NE ¼ NE ¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 1 ft east of G-2408, 11 ft east of northwest corner of building on southeast corner of NW 3rd Street and NW 5th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 84 ft, cased to 83 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.28 ft below land-surface datum.

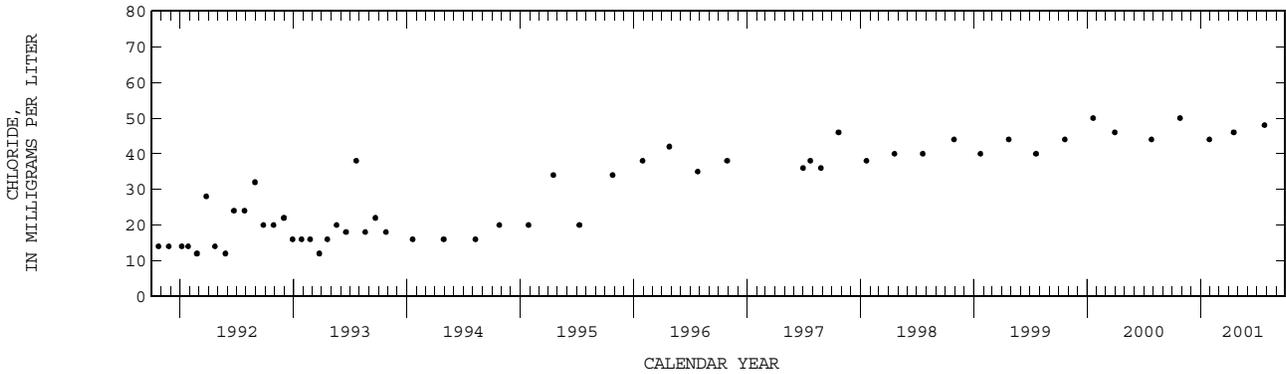
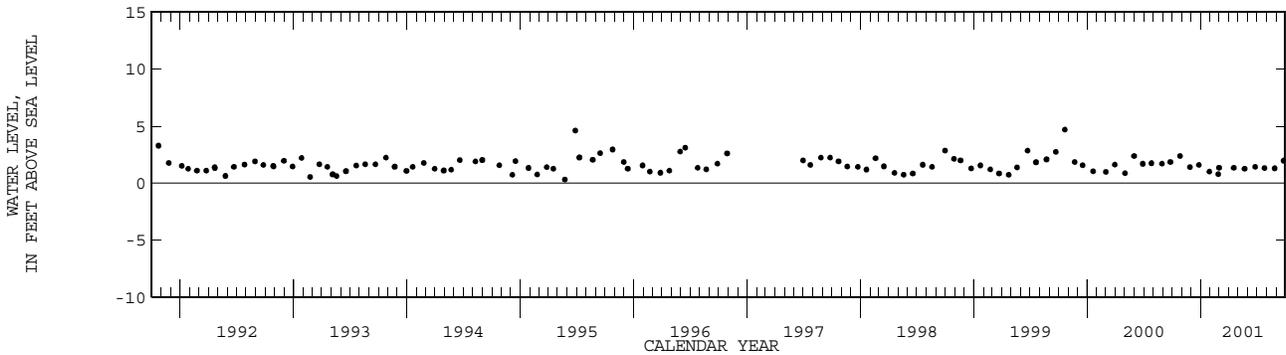
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--September 1985 to February 1986 (weekly), March 1986 to September 1990 (intermittent), October 1990 to October 1996, June 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.68 ft NGVD, Oct. 21, 1999; lowest, 0.31 ft NGVD, May 24, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1012	540	50.0	2.36	APR 17...	1041	570	46.0	1.33
NOV 27...	0930	--	--	1.40	MAY 22...	0930	--	--	1.25
DEC 26...	0930	--	--	1.58	JUN 25...	1000	--	--	1.42
JAN 29...	1016	409	44.0	.99	JUL 25...	1013	583	48.0	1.31
FEB 26...	0911	--	--	.77	AUG 27...	1014	--	--	1.29
MAR 01...	0854	--	--	1.34	SEP 25...	1025	--	--	1.96



BROWARD COUNTY--Continued

WELL NUMBER.--255919080091203. Local Number G 2410. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'19", long 80°09'13", in NW ¼ NE ¼ NE ¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 2 ft north of sidewalk and 1 ft west of G-2408, 9 ft east of northwest corner of building on southeast corner of NW 3rd Street and NW 5th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.00 in., depth 206 ft, cased to 205 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.28 ft below land-surface datum.

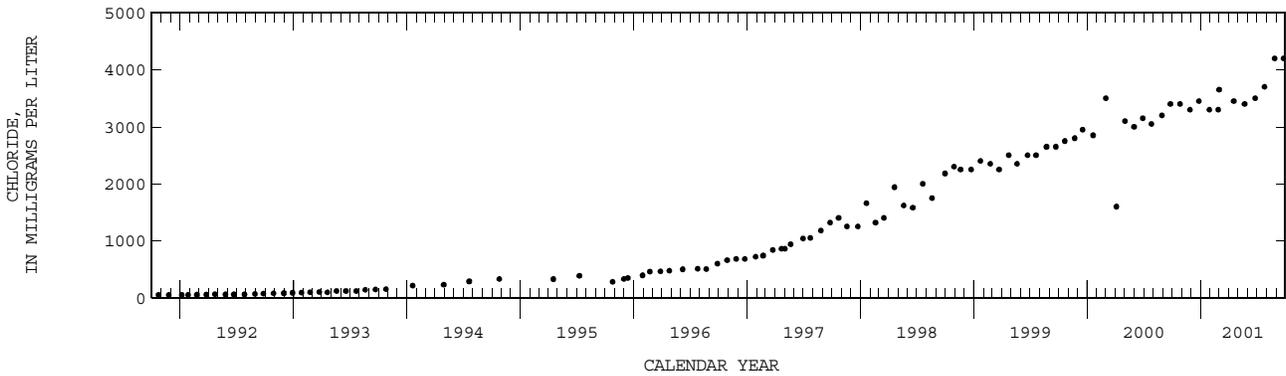
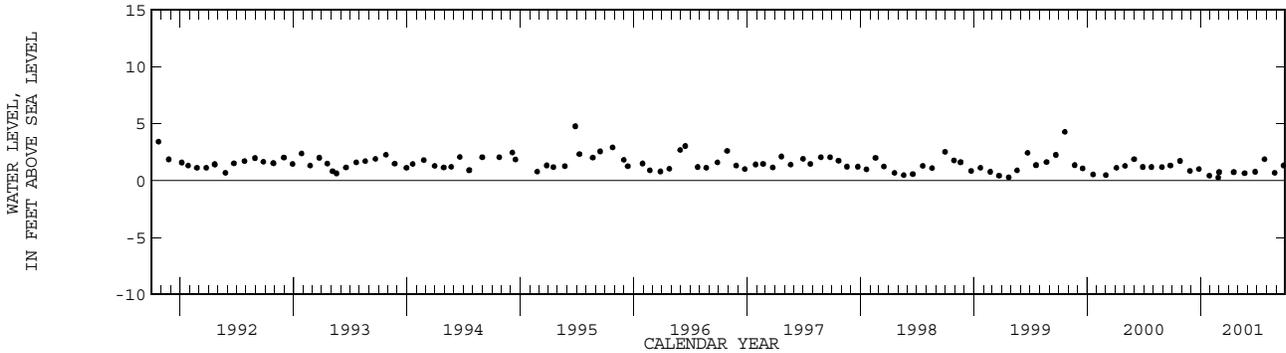
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--September 1985 to February 1986 (weekly), March 1986 to November 1986 (intermittent), December 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.76 ft NGVD, June 27, 1995; lowest, 0.26 ft NGVD, Feb. 26, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1022	9130	3400	1.72	APR 17...	1046	9860	3450	.74
NOV 27...	0934	9070	3300	.85	MAY 22...	0931	9810	3400	.64
DEC 26...	0924	9390	3450	1.00	JUN 25...	1013	10500	3500	.77
JAN 29...	1020	8910	3300	.43	JUL 25...	1006	10300	3700	1.87
FEB 26...	0914	9560	3300	.26	AUG 27...	1020	10700	4200	.68
MAR 01...	0913	9670	3650	.74	SEP 25...	1027	10200	4200	1.33



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--255936080091701. Local Number G 2477. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'36", long 80°09'19", in SE ¼ NW ¼ SE ¼ sec.21, T.51 S., R.42 E., Hydrologic Unit 03090202, at northwest corner of intersection of NW 6th Avenue and NW 8th Street, 82 ft west of NW 6th Avenue and 11 ft north of NW 8th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 80 ft, cased to 75 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.23 ft below land-surface datum.

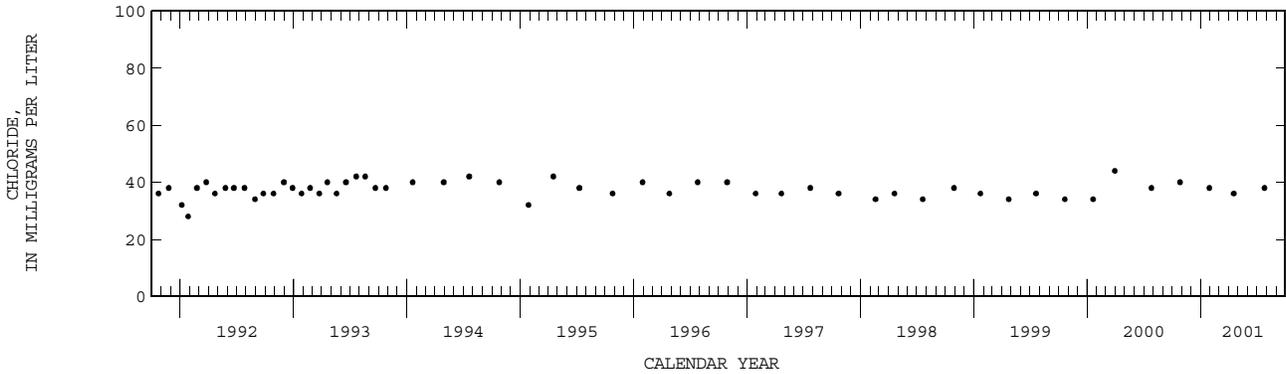
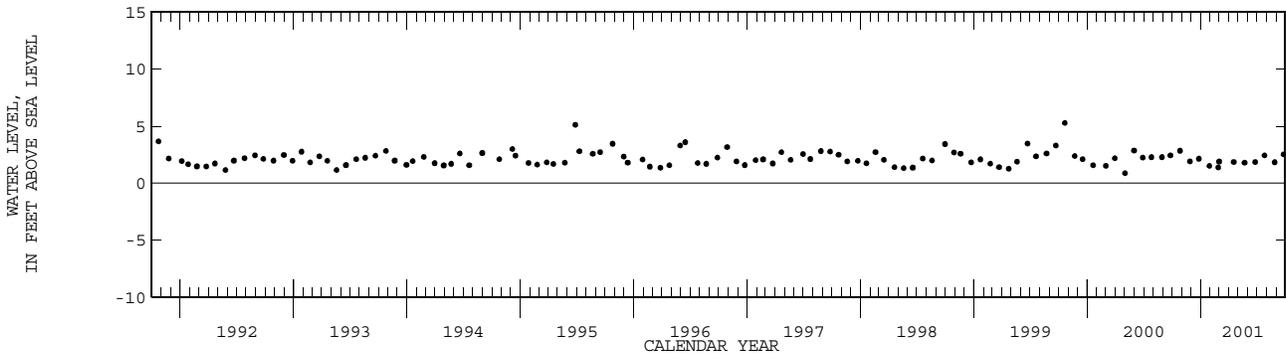
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.26 ft NGVD, Oct. 21, 1999; lowest, 0.86 ft NGVD, May 2, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1200	518	40.0	2.83	APR 17...	1204	529	36.0	1.84
NOV 27...	1025	--	--	1.90	MAY 22...	1016	--	--	1.78
DEC 26...	1029	--	--	2.13	JUN 25...	1057	--	--	1.84
JAN 29...	1123	521	38.0	1.50	JUL 25...	1217	546	38.0	2.42
FEB 26...	1001	--	--	1.36	AUG 27...	1117	--	--	1.82
MAR 01...	0957	--	--	1.88	SEP 25...	1106	--	--	2.51



BROWARD COUNTY--Continued

WELL NUMBER.--255936080091702. Local Number G 2478. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'36", long 80°09'19", in SE ¼ NW ¼ SE ¼ sec.21, T.51 S., R.42 E., Hydrologic Unit 03090202, at northwest corner of intersection of NW 6th Avenue and NW 8th Street, 60 ft west of NW 6th Avenue and 11 ft north of NW 8th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 200 ft, cased to 195 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft below land-surface datum.

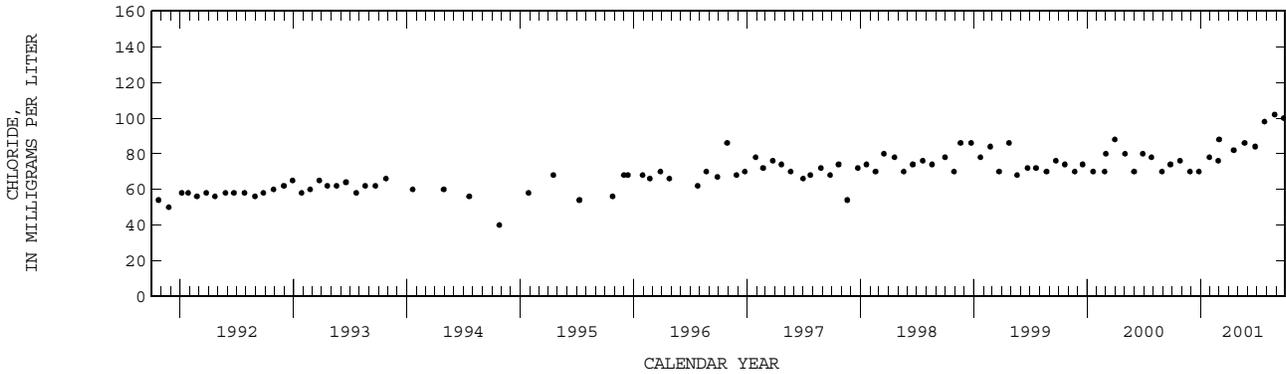
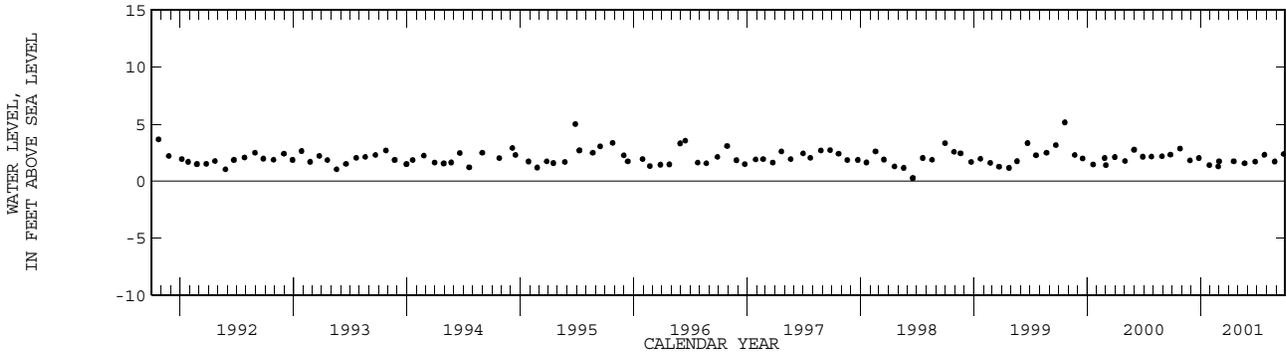
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--August 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.14 ft NGVD, Oct. 21, 1999; lowest, 0.26 ft NGVD, June 18, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
26...	1225	638	76.0	2.85	17...	1218	668	82.0	1.73
NOV					MAY				
27...	1030	645	70.0	1.80	22...	1018	692	86.0	1.56
DEC					JUN				
26...	1030	653	70.0	2.02	25...	1101	740	84.0	1.70
JAN					JUL				
29...	1125	623	78.0	1.40	25...	1220	748	98.0	2.30
FEB					AUG				
26...	1004	670	76.0	1.27	27...	1123	786	102	1.71
MAR					SEP				
01...	1000	664	88.0	1.73	25...	1108	752	100	2.37



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--255948080090901. Local Number G 1241. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 25°59'48", long 80°09'08", in SE ¼ NE ¼ NE ¼ sec.21, T.51 S., R.42 E., Hydrologic Unit 03090202, 80 ft west of the intersection of 22nd Court and Fletcher Street, 7 ft north of Fletcher Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 216 ft, cased to 215 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

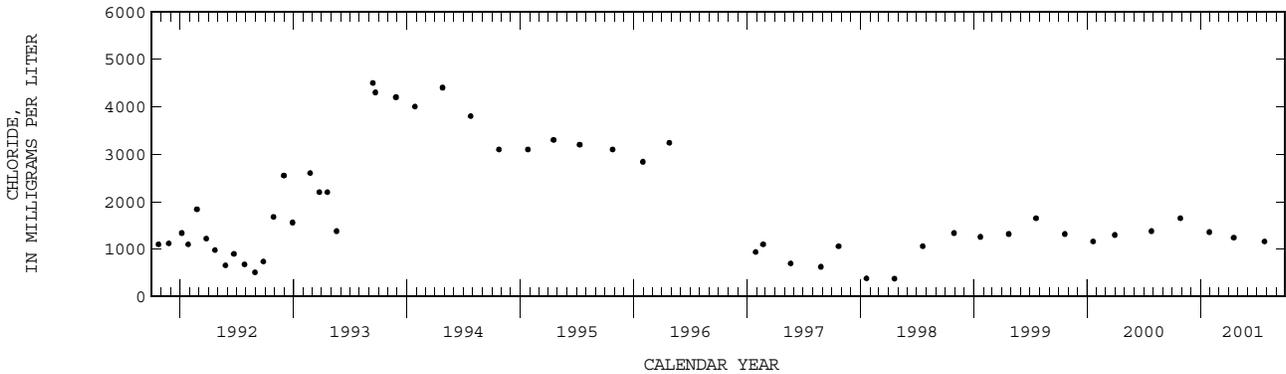
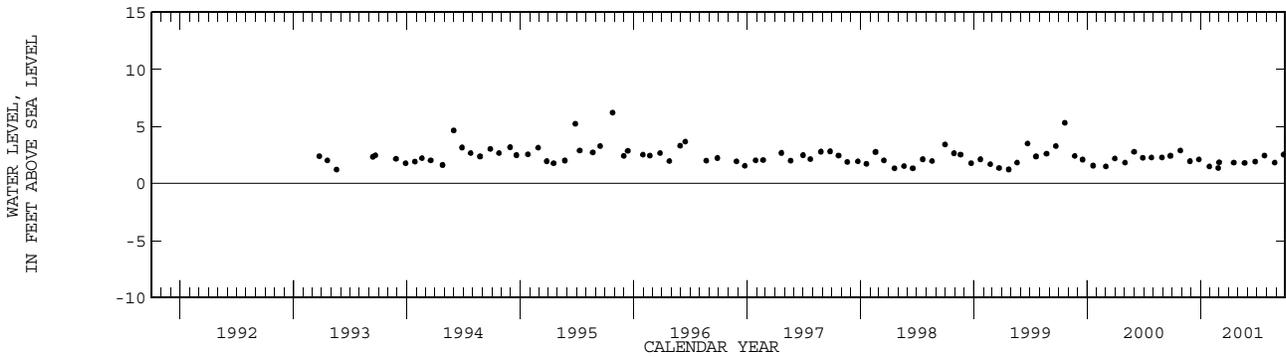
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--March 1993 to September 1993 (intermittent), November 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.20 ft NGVD, Oct. 25, 1995, lowest, 1.22 ft NGVD, May 19, 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1331	4600	1650	2.88	APR 17...	1237	3970	1240	1.83
NOV 27...	1100	--	--	1.95	MAY 22...	1044	--	--	1.79
DEC 26...	1055	--	--	2.10	JUN 25...	1130	--	--	1.92
JAN 29...	1200	3790	1360	1.49	JUL 25...	1250	3630	1160	2.45
FEB 26...	1028	--	--	1.35	AUG 27...	1149	--	--	1.82
MAR 01...	1030	--	--	1.85	SEP 25...	1149	--	--	2.54



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260010080085001. Local Number F 291. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'10", long 80°08'50", in NW ¼ NW ¼ sec.22, T.51 S., R.42 E., Hydrologic Unit 03090202, at South 20th Avenue and Dewey Street 1.1 mi west of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 6 in., depth 107 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 9.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of screw, 1.94 ft above land-surface datum.

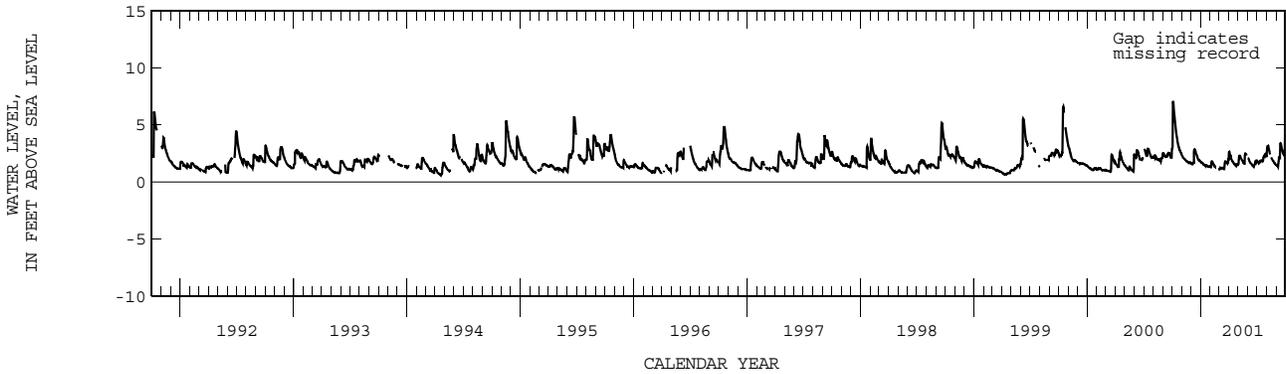
REMARKS.--Records of water levels prior to January 1957 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.26 ft NGVD, Oct. 5, 1948; lowest, 0.16 ft NGVD, July 2, 1952.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.77	2.18	1.55	1.67	1.81	1.24	2.28	2.32	1.96	1.72	3.12	1.40
10	5.17	1.99	2.65	1.53	1.59	1.24	2.02	2.12	1.66	1.81	2.66	2.20
15	4.02	1.87	2.68	1.45	1.36	1.20	1.73	1.84	1.50	1.88	---	3.39
20	3.21	1.75	2.25	1.43	---	1.80	1.56	1.63	1.33	1.85	1.94	2.82
25	2.77	1.72	1.95	1.37	---	1.72	1.54	2.50	1.66	2.26	1.73	2.45
EOM	2.45	1.65	1.79	1.34	1.14	1.97	1.50	---	1.88	2.18	1.50	4.16
MAX	7.11	2.40	2.87	1.75	1.81	1.97	2.63	2.50	2.06	2.47	3.15	4.16



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260012080100001. Local Number G 2807. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'12", long 80°10'00" in SW ¼ SW ¼ SW ¼ sec.16, T.51 S., R.42 E., Hydrologic Unit 03090202, 30 ft east of west end of Washington Street, 5 ft east of G-2808.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 2 in., depth 200 ft, cased to 196 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.63 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

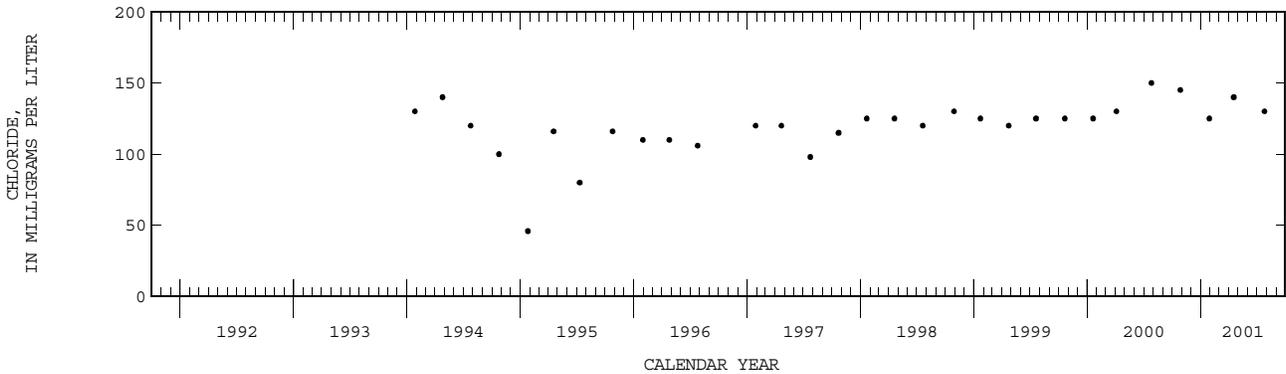
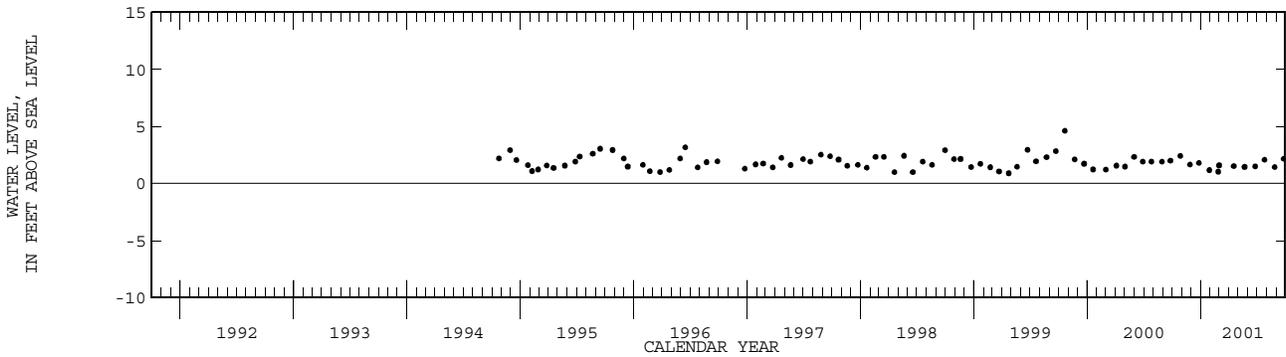
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--January 1994 to July 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.62 ft NGVD, Oct. 21, 1999; lowest, 0.89 ft NGVD, Apr. 23, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	0830	832	145	2.41	APR 17...	1306	850	140	1.51
NOV 27...	1111	--	--	1.65	MAY 22...	1050	--	--	1.45
DEC 26...	1103	--	--	1.79	JUN 25...	1140	--	--	1.50
JAN 29...	1222	854	125	1.17	JUL 25...	1320	915	130	2.08
FEB 26...	1048	--	--	1.03	AUG 27...	1203	--	--	1.43
MAR 01...	1038	--	--	1.59	SEP 25...	1158	--	--	2.16



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260032080135701. Local Number G 1225. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'32", long 80°13'57", in SE ¼ NE ¼ NE ¼ sec.15, T.51 S., R.41 E., Hydrologic Unit 03090202, at corner of Hollywood Boulevard and SW 72nd Avenue in Hollywood.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 11 ft.

REVISED RECORDS.--WDR FL-81-2B:1980.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 7.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.72 ft above land-surface datum.

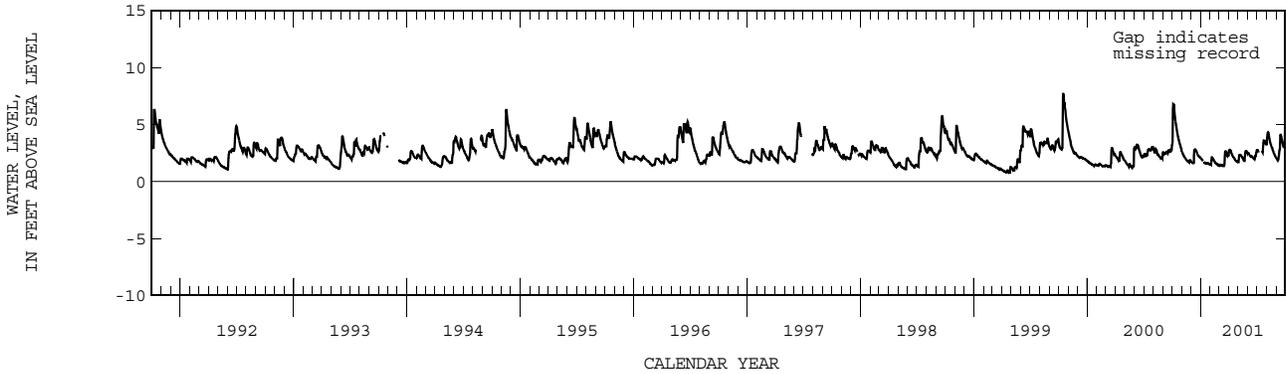
REMARKS.--Records of water levels prior to October, 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1962 to December 1981, April 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.75 ft NGVD, Oct. 15, 1999; lowest, 0.70 ft NGVD, Apr. 30 and May 1, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.76	2.40	1.62	1.93	2.11	1.49	2.76	2.34	2.46	2.64	4.29	1.89
10	5.53	2.14	2.27	1.73	1.98	1.42	2.50	2.30	2.21	---	3.76	2.62
15	4.59	1.94	2.81	1.62	1.72	1.36	2.20	2.11	2.16	---	3.21	4.10
20	3.81	1.77	2.49	1.61	1.57	2.61	1.99	1.87	2.02	2.96	2.83	3.53
25	3.27	1.82	2.26	1.58	1.46	2.44	1.80	2.64	2.20	3.48	2.46	3.03
EOM	2.74	1.80	2.07	1.51	1.44	2.32	1.69	2.50	2.67	3.18	2.11	4.75
MAX	6.79	2.69	2.82	2.04	2.12	2.66	2.79	2.69	2.67	3.59	4.33	4.75



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260035080101501. Local Number G 1597. USGS Observation Well near Hollywood, FL

LOCATION.--Lat 26°00'35", long 80°10'17", in NE ¼ NW ¼ SE ¼ sec.17, T.51 S., R.42 E., Hydrologic Unit 03090202, 6.4 ft west from edge of Calle Grande Street at northwest corner of intersection with Harrison Street. (Corrected).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 163 ft, cased to 155 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.46 ft below land-surface datum.

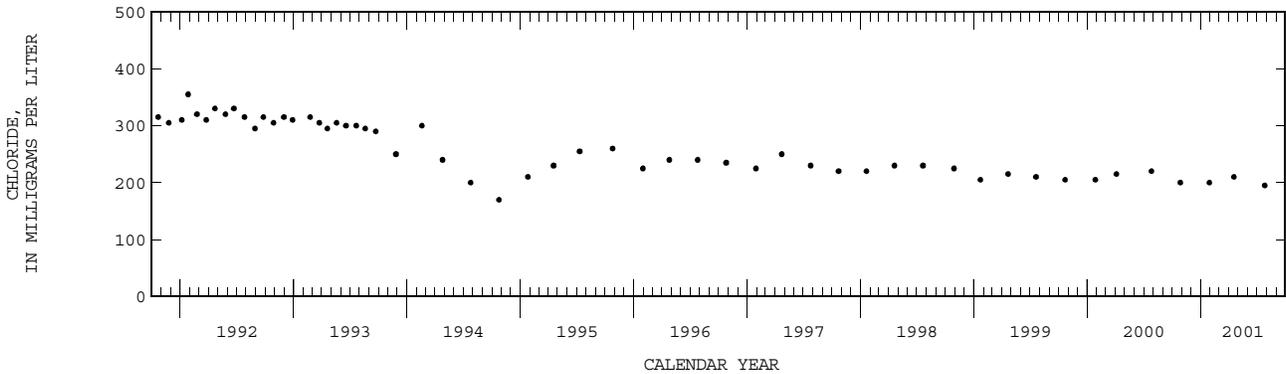
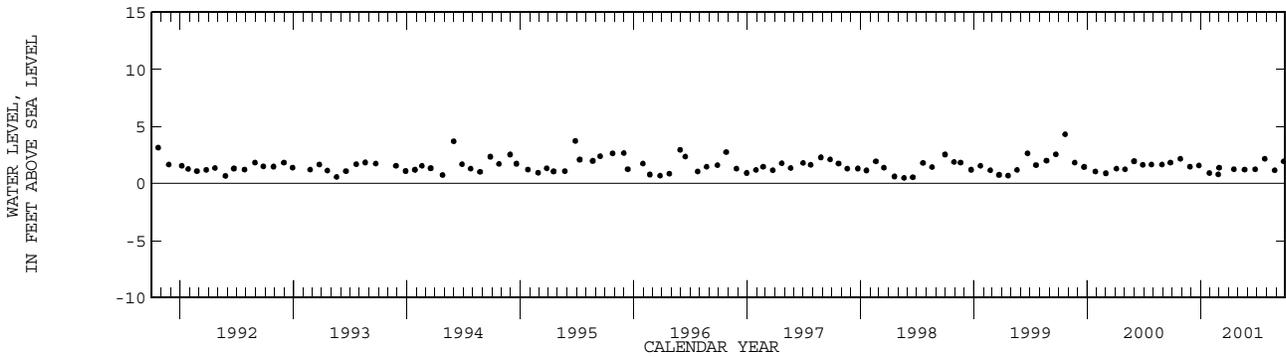
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--January 1987 to May 1990 (intermittent), July 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.30 ft NGVD, Oct. 22, 1999; lowest, 0.48 ft NGVD, Apr. 4, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1010	1040	200	2.16	APR 18...	1020	1030	210	1.25
NOV 27...	1200	--	--	1.47	MAY 22...	1121	--	--	1.21
DEC 26...	1123	--	--	1.57	JUN 25...	1202	--	--	1.24
JAN 29...	1335	1080	200	.91	JUL 26...	1152	1100	195	2.16
FEB 26...	1111	--	--	.79	AUG 27...	1336	--	--	1.16
MAR 01...	1102	--	--	1.38	SEP 25...	1220	--	--	1.94



BROWARD COUNTY--Continued

WELL NUMBER.--260040080104401. Local Number G 2035. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'40", long 80°10'44", in SW ¼ SE ¼ NW ¼ sec.17, T.51 S., R.42 E., Hydrologic Unit 03090202, at northeast corner of 35th Avenue and Hollywood Boulevard, 0.7 mi west of I-95.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 4 in., depth 52 ft, cased to 50 ft.

REVISED RECORDS.--WDR FL-85-2B:1976.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 13.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.08 ft above land-surface datum.

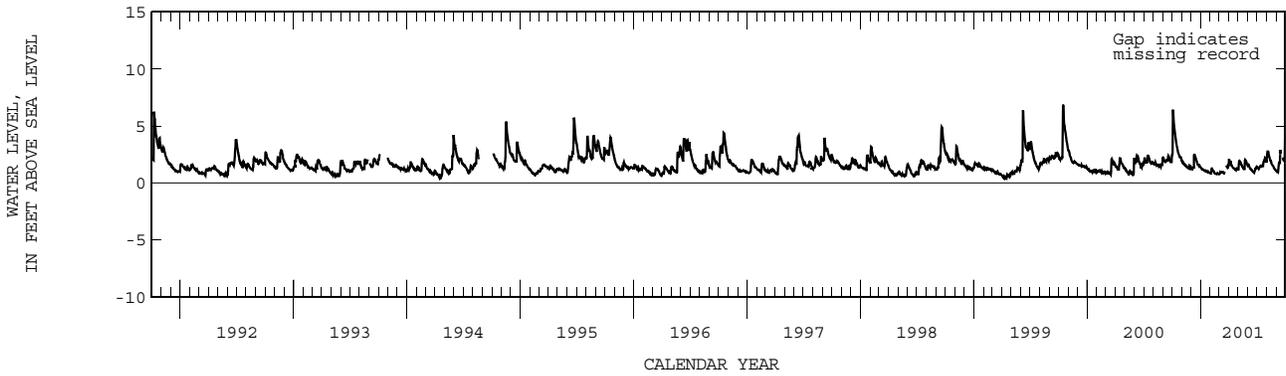
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey. Unpublished records of water levels for September 1999 are available in files of the Geological Survey.

PERIOD OF RECORD.--February 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.88 ft NGVD, Oct. 15, 1999; lowest, 0.22 ft NGVD, Apr. 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.71	1.81	1.23	1.22	1.30	.95	1.79	1.96	1.53	1.32	2.78	.98
10	4.29	1.58	2.37	1.12	1.09	.98	1.58	1.68	1.23	1.41	2.25	1.80
15	3.29	1.52	2.24	1.07	.86	.87	1.36	1.44	1.06	1.52	1.88	---
20	2.65	1.34	1.79	1.02	.86	---	1.26	1.23	.94	1.50	1.58	---
25	2.34	1.55	1.60	1.01	.81	1.47	1.24	2.00	1.23	1.91	1.33	2.04
EOM	2.03	1.30	1.41	.93	.83	1.57	1.24	1.61	1.42	1.80	1.11	---
MAX	6.44	1.99	2.49	1.35	1.30	1.57	2.05	2.06	1.62	2.22	2.78	4.17



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260041080093101. Local Number G 2425. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°00'40", long 80°09'32", in SW ¼ SW ¼ NE ¼ sec.16, T.51 S., R.42 E., Hydrologic Unit 03090202, 8 ft south of G-2426, in grassy area 60 ft east of parking space 10 in the northeast parking lot on City Hall Circle, at Hollywood Boulevard and South 26th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 203 ft, cased to 203 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.35 ft below land-surface datum.

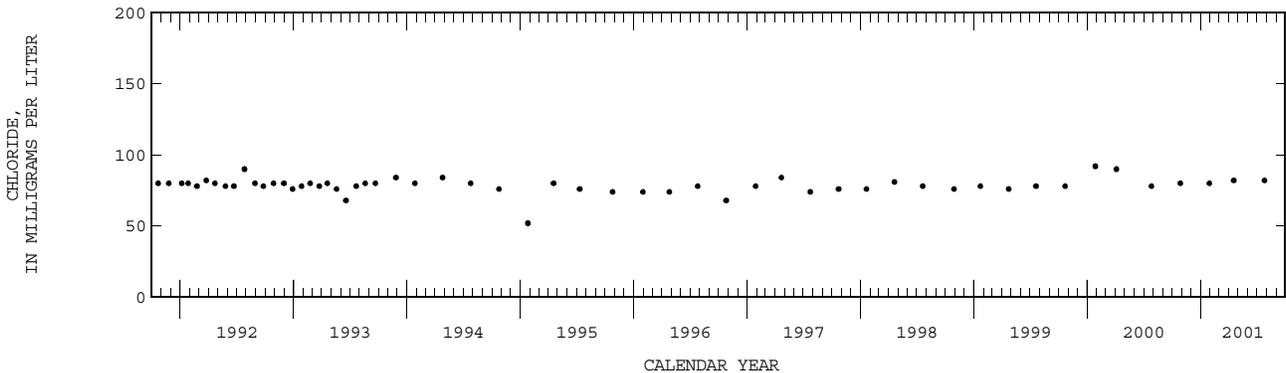
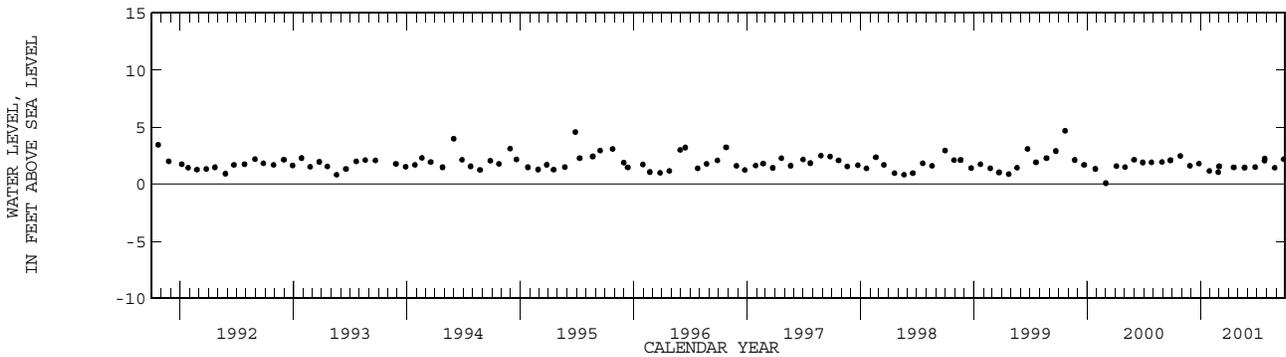
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--January 1987 to December 1989 (intermittent), December 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.68 ft NGVD, Oct. 22, 1999; lowest, 0.08 ft NGVD, Mar. 1, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1010	688	80.0	2.46	MAY 22...	1100	--	--	1.45
NOV 27...	1122	--	--	1.61	JUN 25...	1150	--	--	1.49
DEC 26...	1113	--	--	1.79	JUL 25...	1350	738	82.0	2.05
JAN 29...	1238	694	80.0	1.16	JUL 26...	1104	--	--	2.24
FEB 26...	1057	--	--	1.04	AUG 27...	1230	--	--	1.43
MAR 01...	1053	--	--	1.56	SEP 25...	1207	--	--	2.18
APR 17...	1337	713	82.0	1.47					



BROWARD COUNTY--Continued

WELL NUMBER.--260041080093102. Local Number G 2426. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°00'40", long 80°09'32", in SW ¼ SW ¼ NE ¼ sec.16, T.51 S., R.42 E., Hydrologic Unit 03090202, 8 ft north of G-2425, 60 ft east of parking space 10 in the northeast parking lot on City Hall Circle, Hollywood Boulevard and South 26th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 91 ft, cased to 91 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

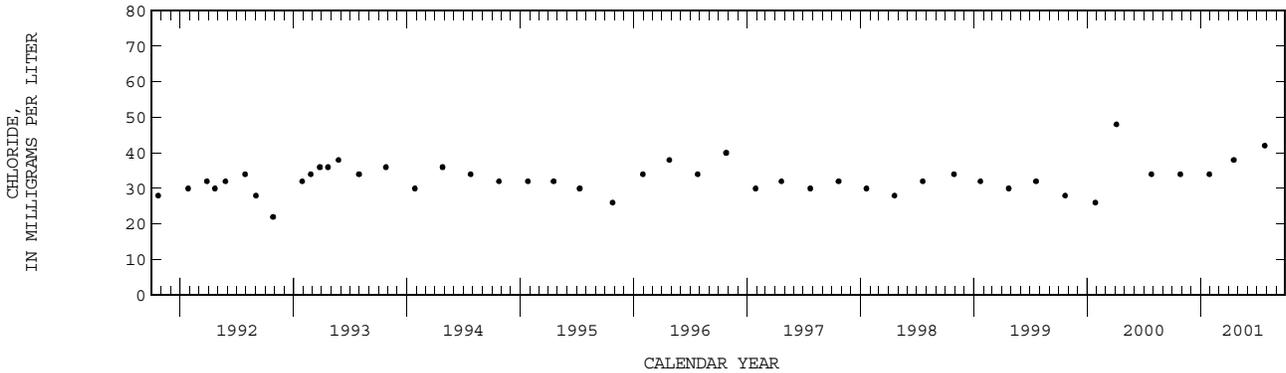
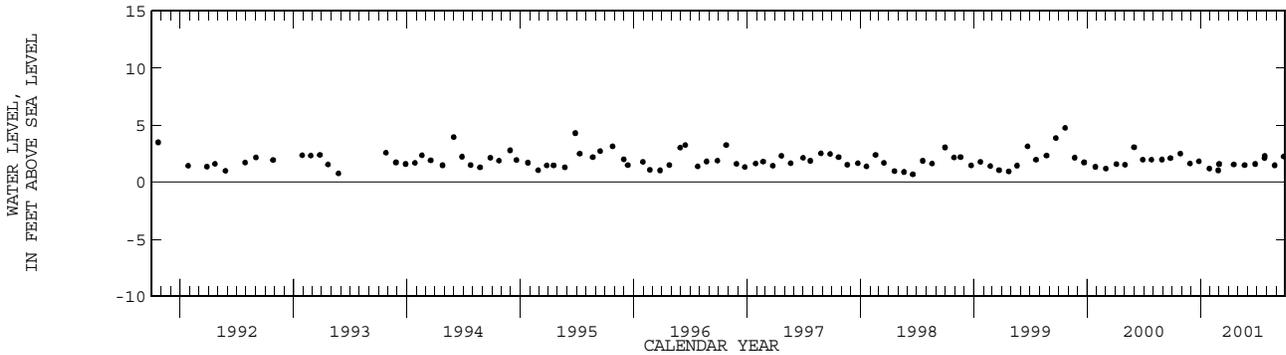
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--January 1987 to May 1993 (intermittent), October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.76 ft NGVD, Oct. 22, 1999; lowest, 0.65 ft NGVD, Apr. 4, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	0920	487	34.0	2.50	MAY 22...	1101	--	--	1.49
NOV 27...	1124	--	--	1.63	JUN 25...	1152	--	--	1.59
DEC 26...	1115	--	--	1.83	JUL 25...	1403	--	--	2.11
JAN 29...	1238	491	34.0	1.19	JUL 26...	1109	535	42.0	2.29
FEB 26...	1058	--	--	1.03	AUG 27...	1236	--	--	1.48
MAR 01...	1057	--	--	1.59	SEP 25...	1210	--	--	2.24
APR 17...	1339	511	38.0	1.54					



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260053080105701. Local Number G 1226. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'53", long 80°10'57", in NW ¼ NW ¼ SW ¼ sec.17, T.51 S., R.42 E., Hydrologic Unit 03090202, in the center of the median of North Rainbow Drive, 1,500 ft southwest of Johnson Street in Hollywood, 0.3 mi north of Hollywood Boulevard, and 1.7 mi east of US 441.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 14 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 9.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.98 ft above land-surface datum. Prior to April 13, 1998 top of base was 0.16 ft above land-surface datum. (corrected).

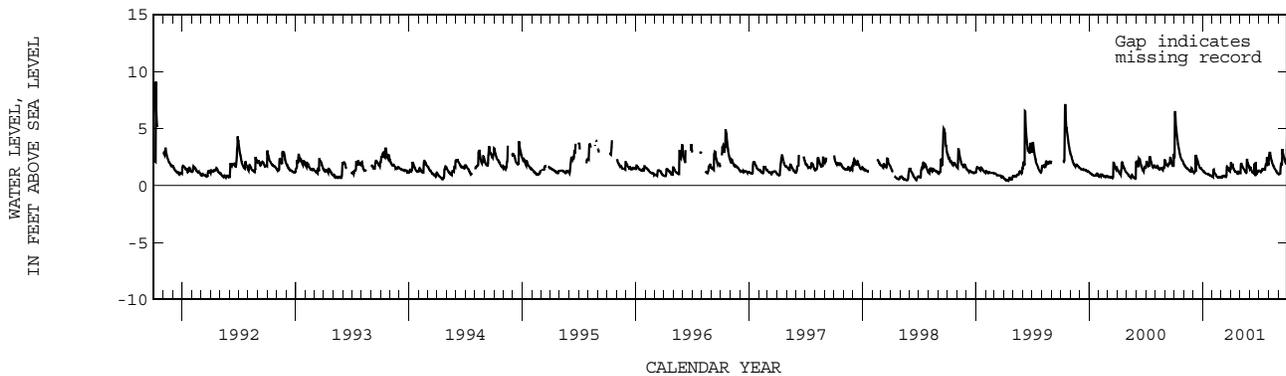
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.10 ft NGVD, Oct. 8, 1991; lowest, 0.30 ft NGVD, Apr. 14, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.86	1.72	1.13	1.18	1.39	.84	1.70	1.88	1.46	1.23	2.87	1.02
10	4.28	1.53	2.62	1.06	1.04	.84	1.49	1.60	1.17	1.32	2.24	1.85
15	3.28	1.42	2.19	1.02	.78	.79	1.24	1.34	1.01	1.46	1.84	3.04
20	2.60	1.30	1.76	1.00	.76	1.67	1.14	1.13	2.04	1.39	1.52	2.39
25	2.27	1.53	1.54	.89	.73	1.40	1.23	1.99	1.15	1.86	1.30	1.96
EOM	1.95	1.25	1.34	.86	.72	1.49	1.11	1.56	1.32	1.76	1.06	4.28
MAX	6.53	1.90	2.62	1.30	1.39	1.67	2.03	2.25	2.04	2.49	2.88	4.52



BROWARD COUNTY--Continued

WELL NUMBER.--260101080091501. Local Number G 2906. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°01'01", long 80°09'15", in SW ¼ NE ¼ NW ¼ sec.15, T.51 S., R.42 E., Hydrologic Unit 03090202, in the parking lot of Lincoln Park, about 180 ft south of Lincoln Street, 0.3 mi west of North Dixie Highway.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 158 ft, cased to 148 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 13.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

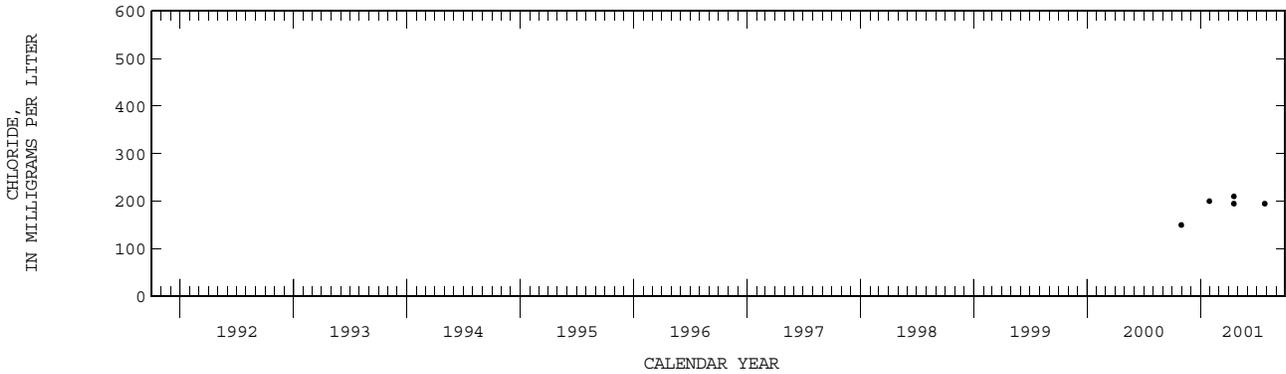
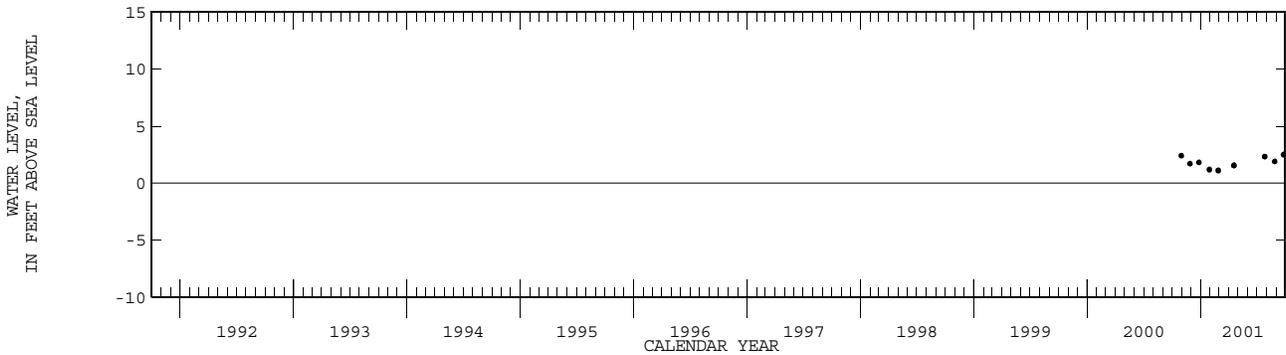
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.49 ft NGVD, Sept. 25, 2001; lowest, 1.10 ft NGVD, Feb. 26, 2001.

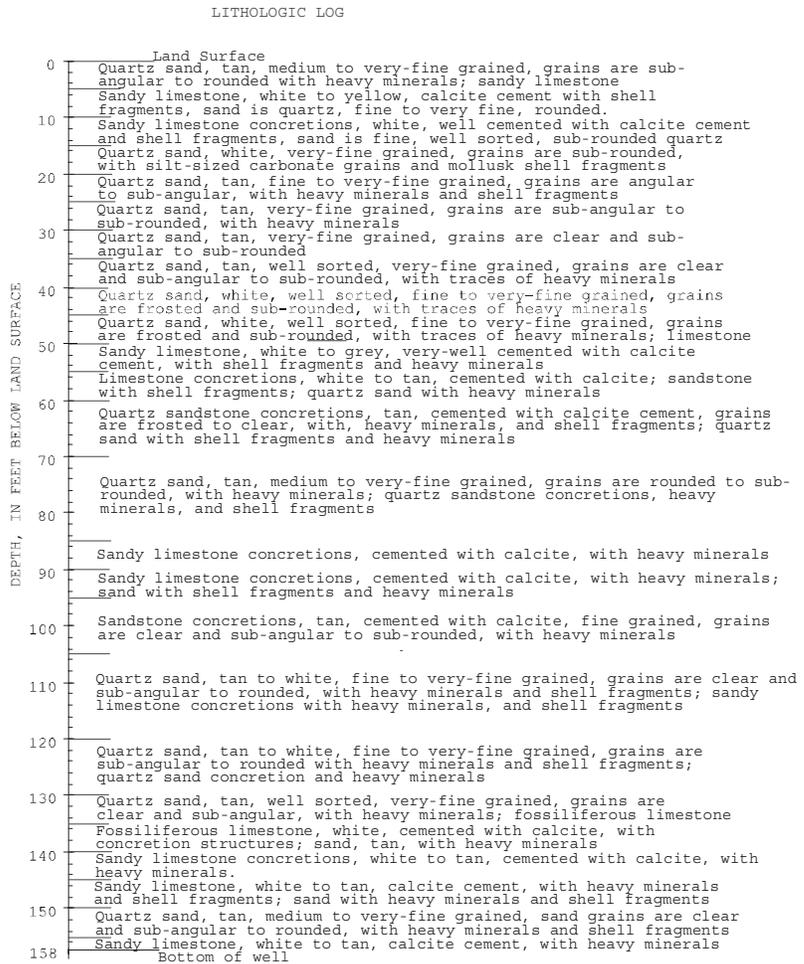
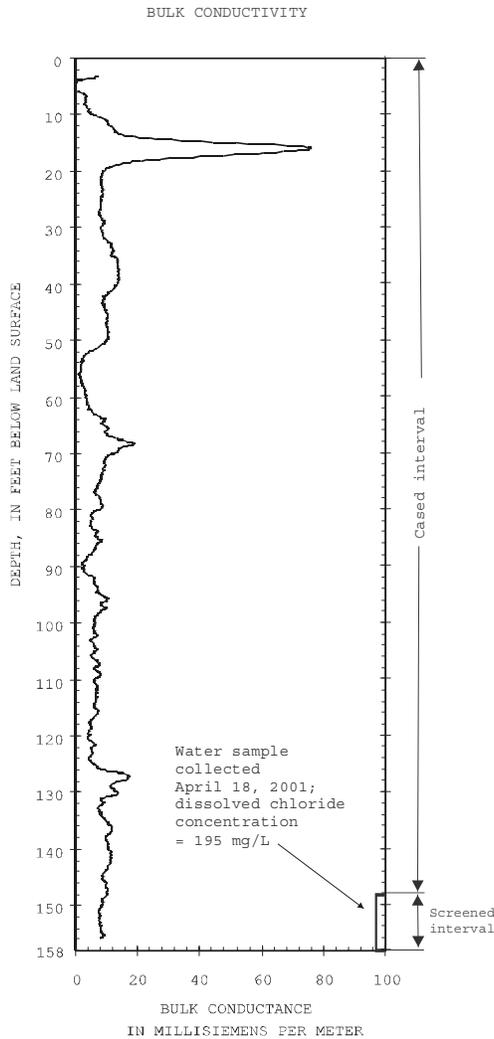
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 30...	0956	968	150	2.39	APR 18...	1122	998	210	1.53
NOV 27...	1219	--	--	1.69	APR 18...	1436	999	195	1.56
DEC 26...	1211	--	--	1.81	JUL 26...	1310	1060	195	2.32
JAN 29...	1433	998	200	1.18	AUG 27...	1412	--	--	1.89
FEB 26...	1201	--	--	1.10	SEP 25...	1239	--	--	2.49



BROWARD COUNTY--Continued

WELL NUMBER.--260101080091501. Local Number G 2906. USGS Observation Well near Hollywood, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

BROWARD COUNTY--Continued

WELL NUMBER.--260111080101402. Local Number G 2176. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°01'11", long 80°10'20", in NE ¼ SE ¼ SE ¼ sec.8, T.51 S., R.42 E., Hydrologic Unit 03090202, at the southeast corner of intersection of North 31st Road and Hayes Street, 11 ft east of North 31st Road, 1 ft south of G 2176A. AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 171 ft, cased to 171 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

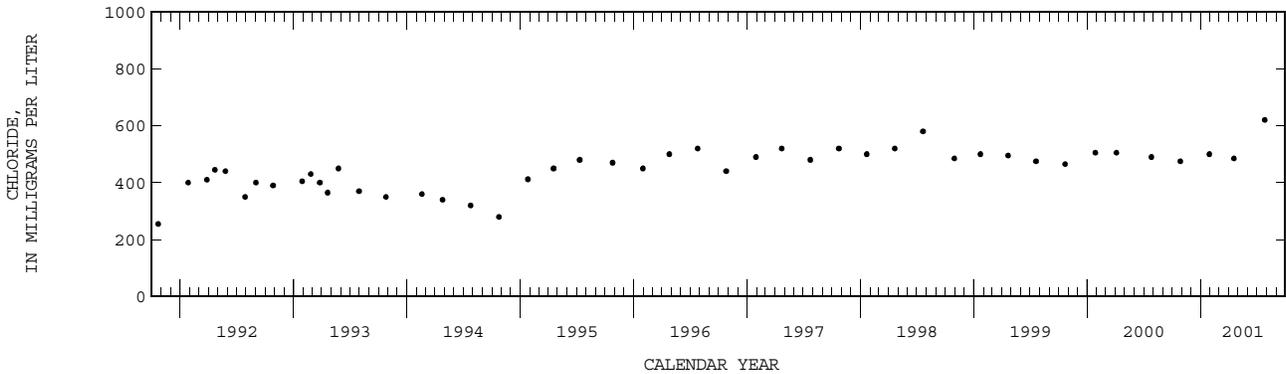
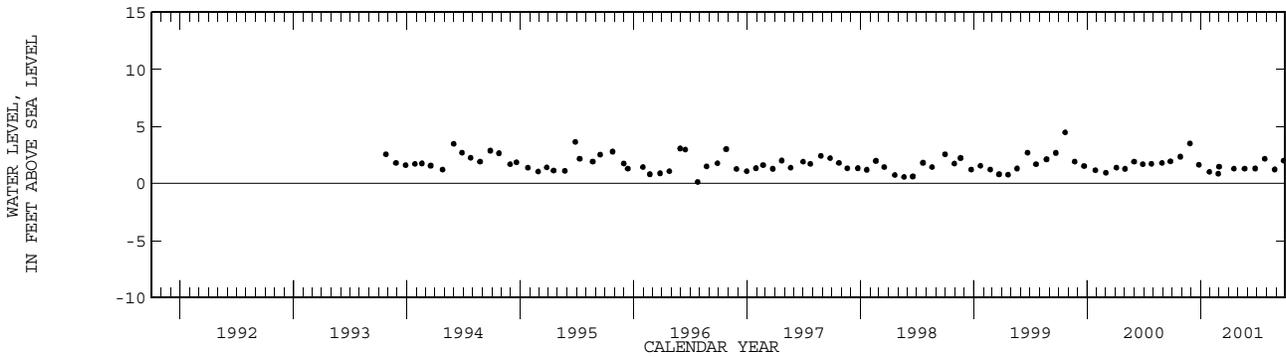
REMARKS.--Well is also used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.47 ft NGVD, Oct. 22, 1999; lowest, 0.57 ft NGVD, July 25, 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
27...	1044	1850	475	2.34	18...	1048	1890	485	1.30
NOV					MAY				
27...	1203	--	--	3.51	22...	1144	--	--	1.30
DEC					JUN				
26...	1200	--	--	1.64	25...	1234	--	--	1.31
JAN					JUL				
29...	1400	1910	500	1.01	26...	1231	2030	620	2.16
FEB					AUG				
26...	1143	--	--	.86	27...	1353	--	--	1.23
MAR					SEP				
01...	1125	--	--	1.47	25...	1231	--	--	2.00



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260120080093401. Local Number G 2441. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°01'19", long 80°09'35" in SE ¼ SE ¼ NW ¼ sec.9, T.51 S., R.42 E., Hydrologic Unit 03090202, 16.7 ft from the sidewalk of Arthur Street and 36 ft east of North 26th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 181 ft, cased to 180 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

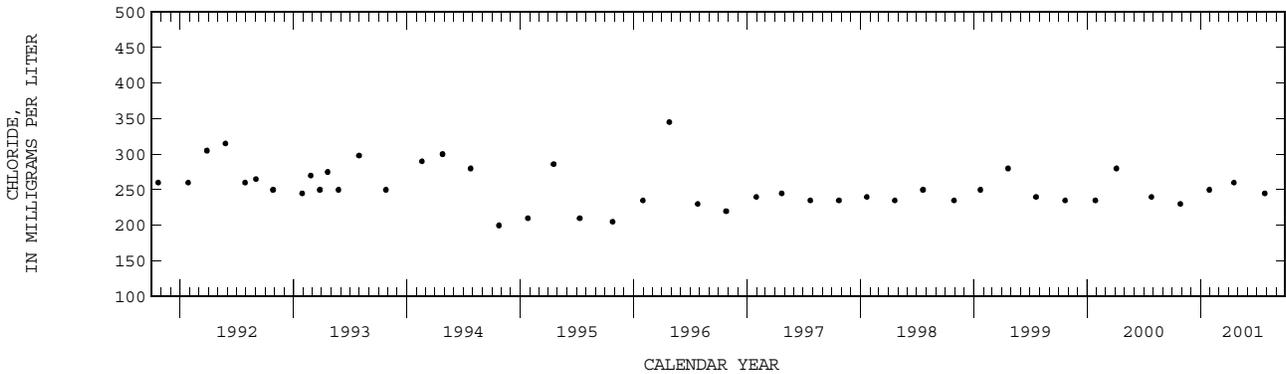
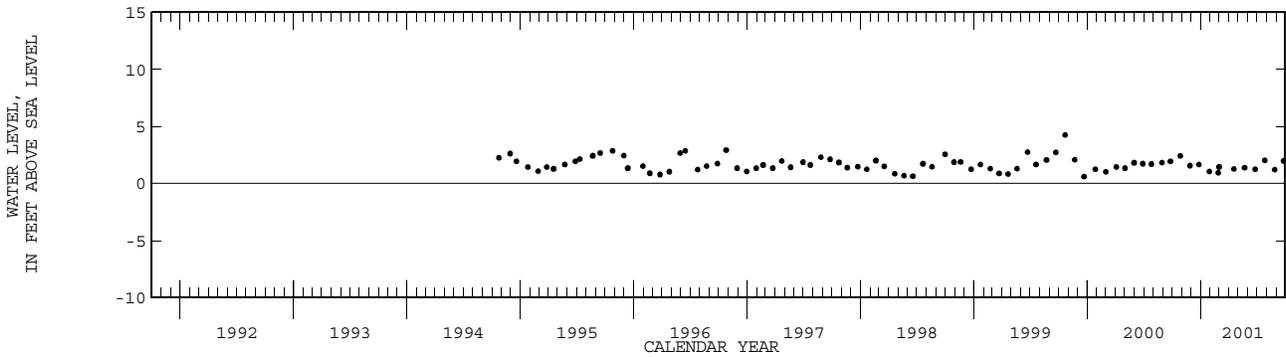
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--September 1986 to July 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.25 ft NGVD, Oct. 22, 1999; lowest, 0.60 ft NGVD, Dec. 22, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
27...	1241	1140	230	2.42	18...	1152	1210	260	1.26
NOV					MAY				
27...	1232	--	--	1.56	22...	1159	--	--	1.38
DEC					JUN				
26...	1218	--	--	1.66	25...	1233	--	--	1.25
JAN					JUL				
29...	1454	1200	250	1.04	26...	1333	1290	245	2.02
FEB					AUG				
26...	1212	--	--	.93	27...	1423	--	--	1.21
MAR					SEP				
01...	1155	--	--	1.45	25...	1252	--	--	1.98



BROWARD COUNTY--Continued

WELL NUMBER.--260155080092002. Local Number G 2612. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°01'54", long 80°09'21" in SE ¼ SE ¼ NW ¼ sec.8, T.51 S., R.42 E., Hydrologic Unit 03090202, 6 ft from the southwest corner of Boggs Field Park, south of Sheridan Street, 30 ft from NW 24th Avenue, at it's ninety degree turn to the west.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 273 ft, cased to 273 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

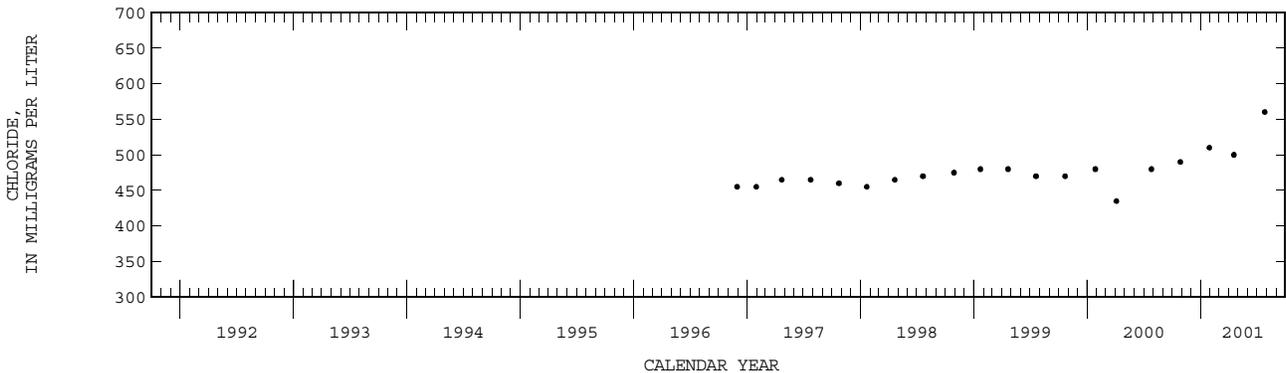
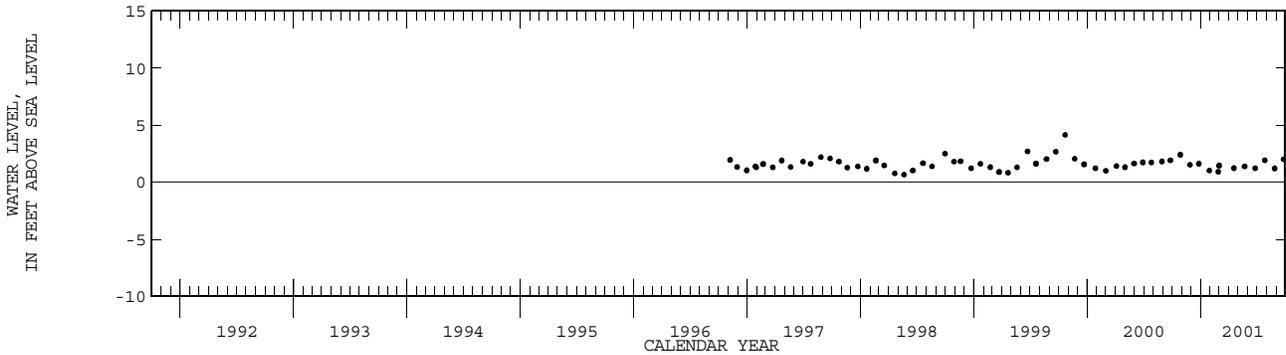
REMARKS.--Well is also used for salinity monitoring. No data for water year 1996. Because of an error on a site photograph, G-2612 was confused with another well. As a result, published records for the 1995 and 1996 water years are in error and have been removed.

PERIOD OF RECORD.--November 1996 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.14 ft NGVD, Oct. 22, 1999; lowest, 0.65 ft NGVD, May 21, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1308	1900	490	2.40	APR 18...	1240	1960	500	1.23
NOV 27...	1245	--	--	1.52	MAY 22...	1209	--	--	1.37
DEC 26...	1224	--	--	1.62	JUN 25...	1240	--	--	1.22
JAN 29...	1521	1950	510	1.01	JUL 26...	1411	2050	560	1.92
FEB 26...	1223	--	--	.91	AUG 27...	1436	--	--	1.20
MAR 01...	1205	--	--	1.45	SEP 25...	1301	--	--	2.00



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260219080141101. Local Number G 1223. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°02'19", long 80°14'11", in SW ¼ SE ¼ NE ¼ sec.3, T.51 S., R.41 E., Hydrologic Unit 03090202, north of NW 33rd Street on Davie Road Extension, and 2.0 mi south of Griffin Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 12 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.31 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1980, land-surface datum was considered to be 5.78 ft NGVD. Measuring point : top of base, 2.13 ft above land-surface datum. Prior to April 26, 2001, top of base was 2.02 ft above land-surface datum. See REMARKS.

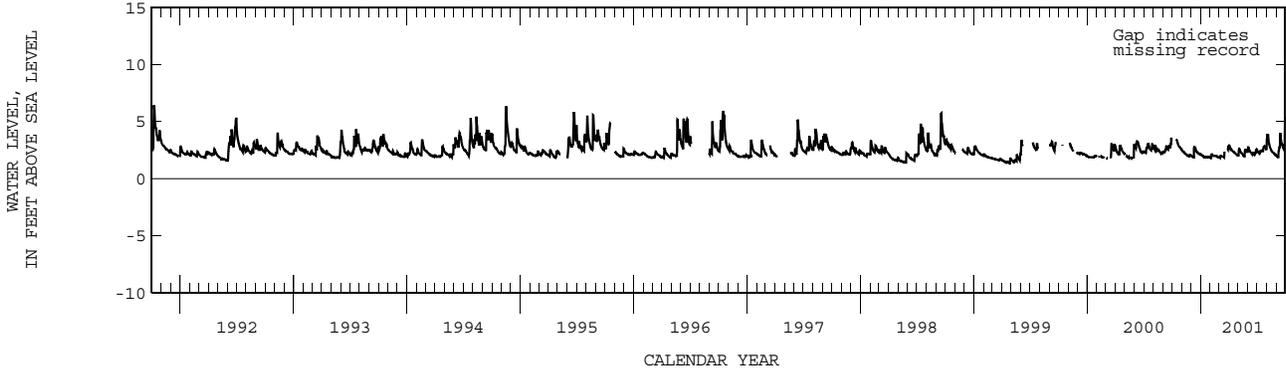
REMARKS.--Revised measuring point elevation April 2001, is the results of reconstruction at this station. The figures of water level as elevation, in feet NGVD, prior to October 1, 1980, are in error. Corrected records are in files of the Geological Survey. Records of water levels prior to October 1973 are available in files of the Geological Survey. See DATUM.

PERIOD OF RECORD.--December 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.45 ft NGVD, Oct. 8, 1991; lowest, 1.18 ft NGVD, Nov. 11, 1968.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.39	1.92	2.05	2.13	1.99	2.66	2.63	2.52	2.33	3.81	1.90
10	---	2.23	2.65	1.92	2.01	1.94	2.56	2.34	2.33	2.28	2.96	2.74
15	3.43	2.13	2.62	1.91	2.00	1.93	2.40	2.14	2.18	2.47	2.53	3.82
20	2.99	2.02	2.31	1.90	1.99	---	2.27	1.98	2.13	2.42	2.34	2.97
25	2.78	2.07	2.19	1.93	1.90	---	2.15	2.54	2.27	2.82	2.21	2.62
EOM	2.55	2.05	2.13	1.88	1.88	2.78	2.02	2.34	2.59	2.49	2.07	4.79
MAX	3.49	2.52	2.77	2.13	2.13	2.78	2.93	2.63	2.76	2.84	3.81	5.40



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260241080112701 Local Number G 2785. USGS Observation Well near Dania, FL.

LOCATION.--Lat 26°02'41", long 80°11'27", in NW ¼ NW ¼ NE ¼ sec.6, T.51 S., R.42 E., Hydrologic Unit 03090202, 33 ft east of Bell South structure, on the east side of North 46th Avenue and 200 ft south of Stirling Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 197 ft, cased to 192 ft, screened 192 to 197 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape. See REMARKS.

DATUM.--Land-surface datum is 6.63 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.71 ft above land-surface datum. Prior to March 2, 2001 measuring point was top of casing at land-surface datum.

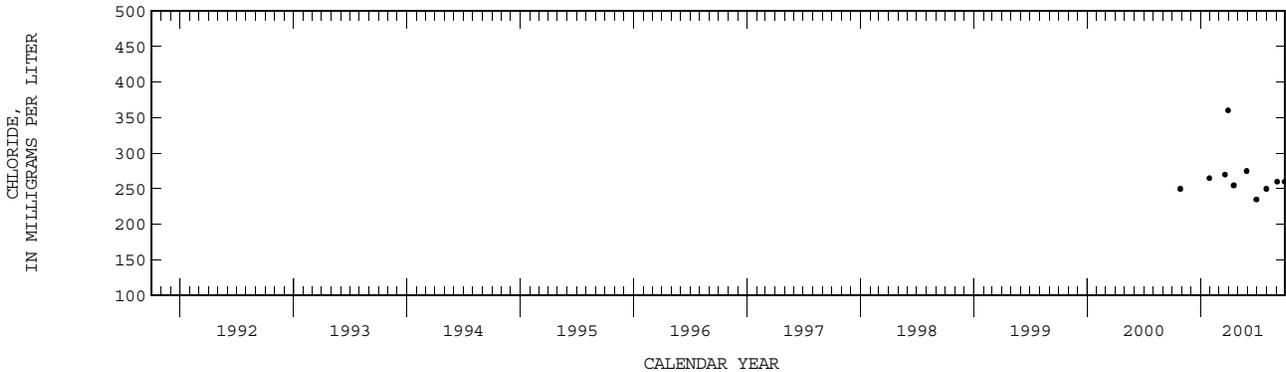
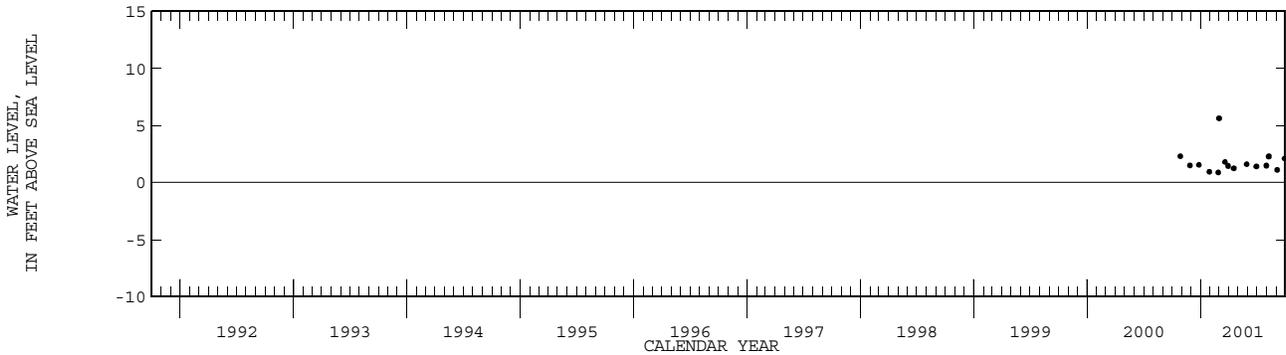
REMARKS.--Well is also used for salinity sampling, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Quarterly water-level measurements began in October, 2000. During the 2001 water year additional water-level and chloride samples were collected for an investigative project. As part of this project continuous water-level and conductivity data were also collected. This data is available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 5.63 ft NGVD, Mar. 1, 2001; lowest, 0.87 ft NGVD, Feb. 26, 2001

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

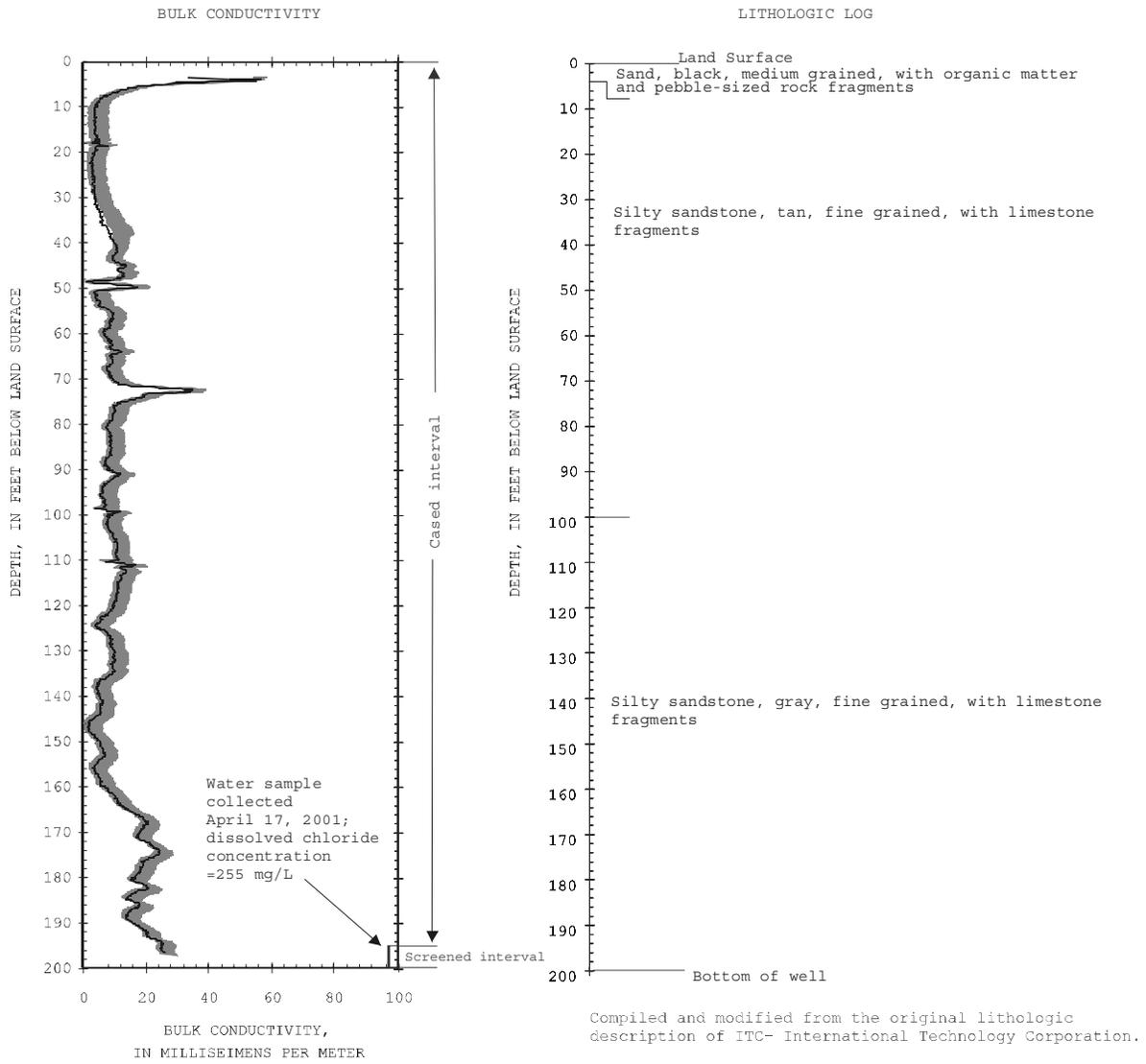
DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
27...	1406	1290	250	2.30	17...	1315	1210	255	1.24
NOV					MAY				
27...	1303	--	--	1.50	29...	1141	1360	275	1.60
DEC					JUN				
26...	1240	--	--	1.54	29...	1637	1390	235	1.41
JAN					JUL				
29...	1608	1330	265	.94	31...	1717	1370	250	1.48
FEB					AUG				
26...	1247	--	--	.87	08...	1002	--	--	2.29
MAR					SEP				
01...	1140	--	--	5.63	04...	1049	1440	260	1.11
20...	1104	1320	270	1.80	28...	0921	1350	260	2.11
30...	0849	1310	360	1.45					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260241080112701 Local Number G 2785. USGS Observation Well near Dania, FL.



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 17, 2001
- Shaded area represents range in bulk conductivity from logs collected April 17, 2000 and August 28, 2000
- [ Delimits the interval for which the well is open to the aquifer

BROWARD COUNTY--Continued

WELL NUMBER.--260252080085301. Local Number G 1224. USGS Observation Well in Dania, FL.

LOCATION.--Lat 26°02'52", long 80°08'53", in NE ¼ NW ¼ NW ¼ sec.3, T.51 S., R.42 E., Hydrologic Unit 03090202, on SW 2nd Terrace east of Phippen Road, 100 ft west of F.E.C. Railroad near Dania and 400 ft south of Stirling Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 12 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.11 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1980, land-surface datum was considered to be 8.33 ft NGVD. See REMARKS. Measuring point: Top of base, 3.02 ft above land-surface datum.

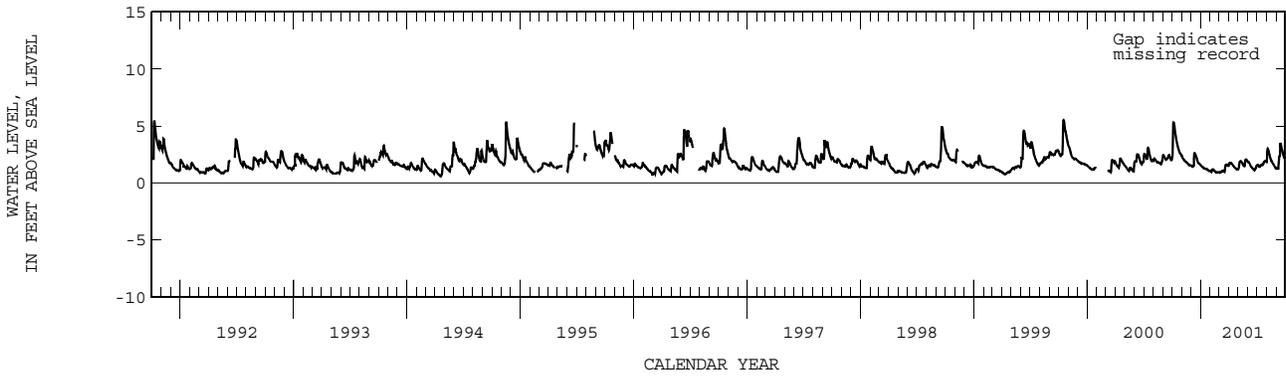
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1, 1980, are in error. Corrected records are in the files of the Geological Survey. See DATUM. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.67 ft NGVD, Nov. 2, 1965; lowest, 0.12 ft below NGVD, Aug. 19, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.32	2.17	1.43	1.43	1.11	.95	1.76	1.78	1.83	1.57	3.02	1.26
10	4.48	1.98	2.10	1.33	1.20	1.03	1.74	1.91	1.54	1.42	2.50	2.35
15	3.64	1.84	2.49	1.26	1.05	1.08	1.56	1.73	1.35	1.59	2.03	3.48
20	3.03	1.70	2.05	1.23	.94	1.39	1.39	1.53	1.17	1.60	1.78	2.83
25	2.67	1.57	1.73	1.12	.96	1.62	1.24	2.05	1.24	1.90	1.56	2.36
EOM	2.42	1.54	1.61	1.06	.96	1.53	1.21	1.94	1.55	1.86	1.31	3.85
MAX	5.32	2.38	2.63	1.57	1.20	1.62	1.77	2.08	1.90	1.94	3.02	3.85



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260325080113901. Local Number G 2900. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°03'25", long 80°11'39", in SE ¼ NW ¼ sec.31, T.50 S., R.42 E., Hydrologic Unit 03090202, 29 ft south of a storm drain on the east side of SW 35th Terrace, 0.45 mi south of Griffin Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 115 ft, cased to 105 ft, screened 105-115 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape. See REMARKS.

DATUM.--Land-surface datum is 5.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.46 ft above land-surface datum.

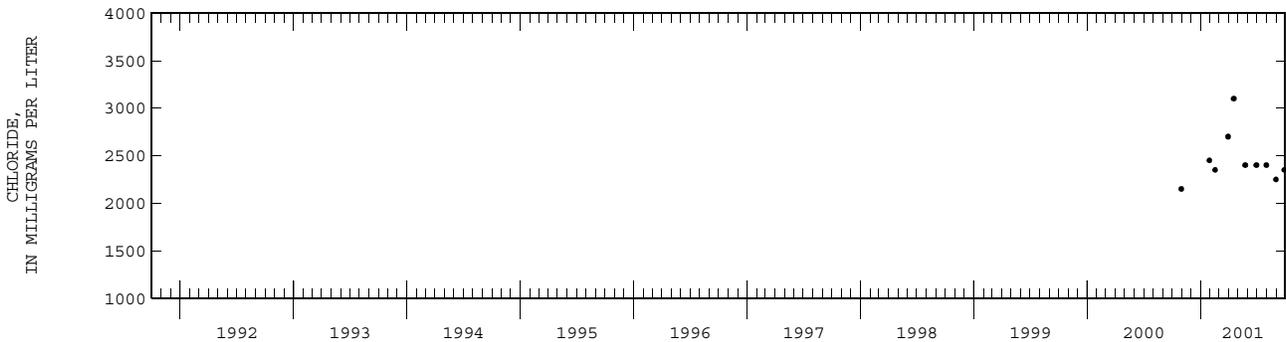
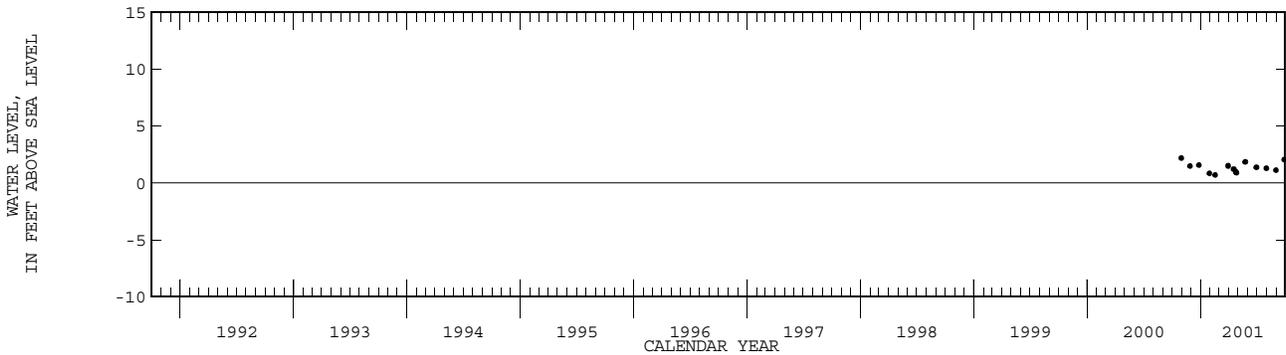
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Quarterly water-level measurements began in October 2000. Continuous water-level and conductivity data were collected from March 2001 through the end of the water year as part of an investigative project. Data is available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.18 ft NGVD, Oct. 30, 2000; lowest, 0.70 ft NGVD, Feb. 16, 2001.

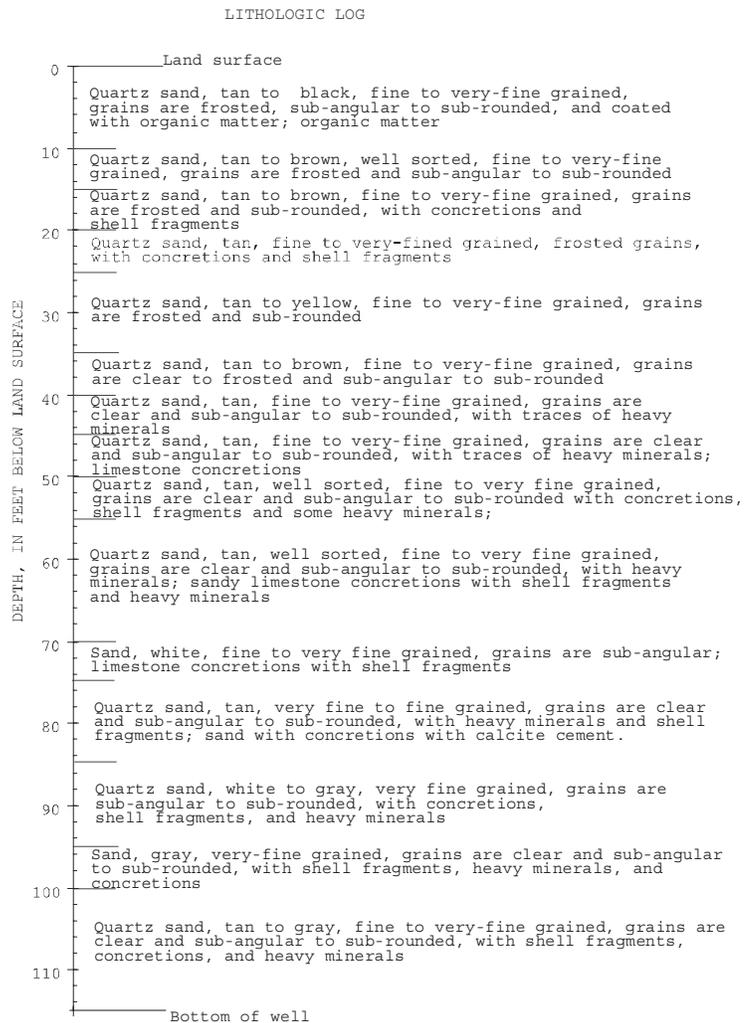
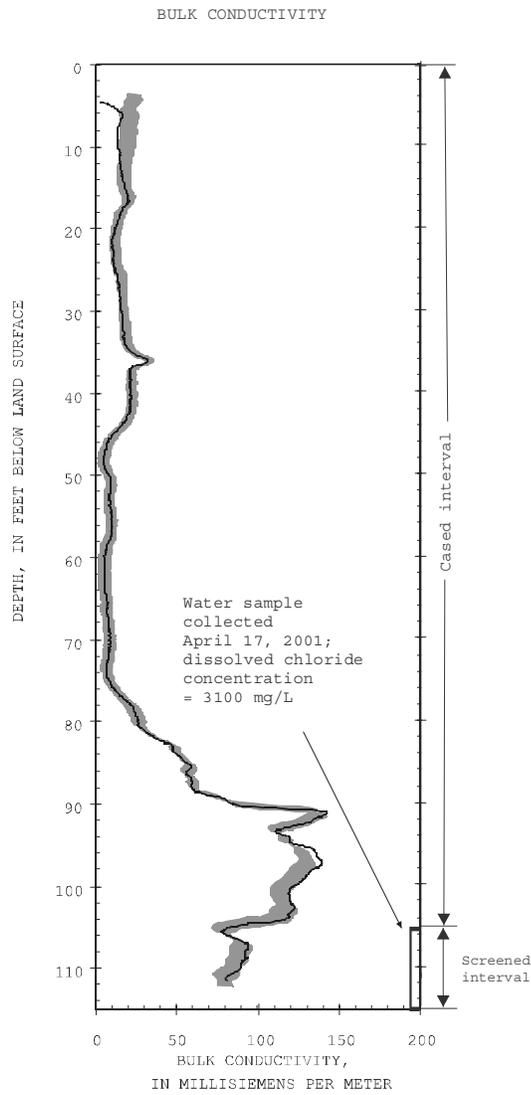
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 30...	1232	6570	2150	2.18	APR 17...	1020	7210	3100	1.21
NOV 27...	1500	--	--	1.48	24...	0915	--	--	.97
DEC 26...	1314	--	--	1.57	26...	0929	--	--	.90
JAN 29...	1716	7290	2450	.84	MAY 24...	1234	7630	2400	1.84
FEB 16...	1257	7280	2350	.70	JUN 29...	1113	8110	2400	1.37
MAR 30...	1216	9360	2700	1.50	JUL 31...	1507	7790	2400	1.29
					AUG 31...	1530	7730	2250	1.12
					SEP 27...	1410	7190	2350	2.05



BROWARD COUNTY--Continued

WELL NUMBER.--260325080113901. Local Number G 2900. USGS Observation Well near Fort Lauderdale, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL

EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 17, 2001

■ Shaded area represents range  
In bulk conductivity logs collected  
April 19, 2000 and August 28, 2000

[ Delimits the interval for which the  
well is open to the aquifer

BROWARD COUNTY--Continued

WELL NUMBER.--260326080120301. Local Number G 2921. USGS Observation Well near Davie, FL.

LOCATION.--Lat 26°03'26", long 80°12'03", in NW ¼ SE ¼ NE ¼ sec. 36, T.50 S., R.41 E., Hydrologic Unit 03090202, at the northwest corner of the intersection of SW 40th Ave and 52nd Street, .40 mi south of Griffin Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

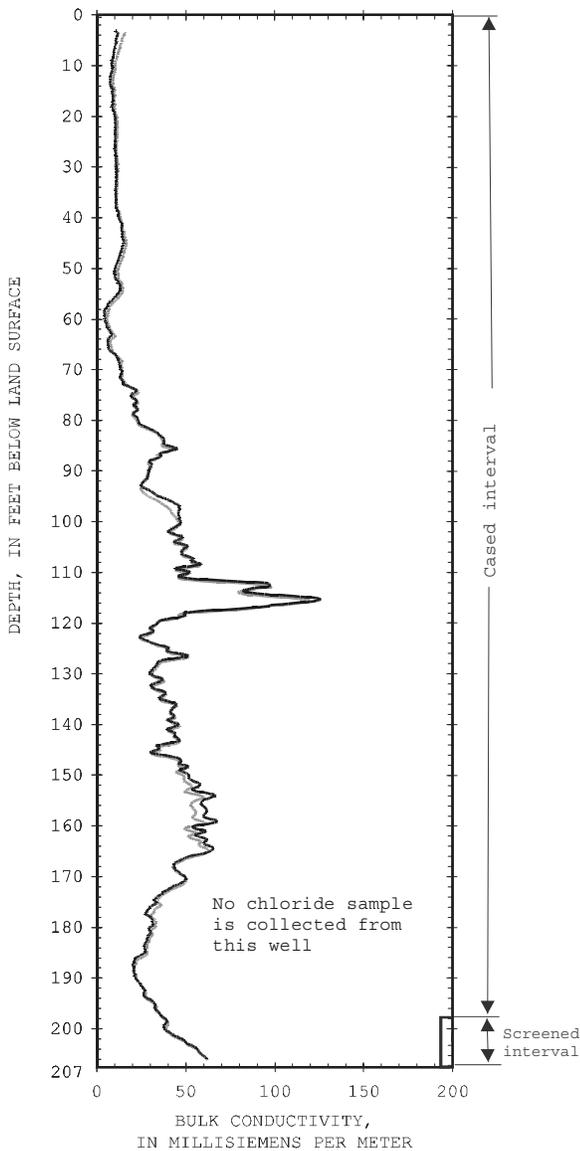
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 207 ft.

INSTRUMENTATION.--Annual profile by induction logger.

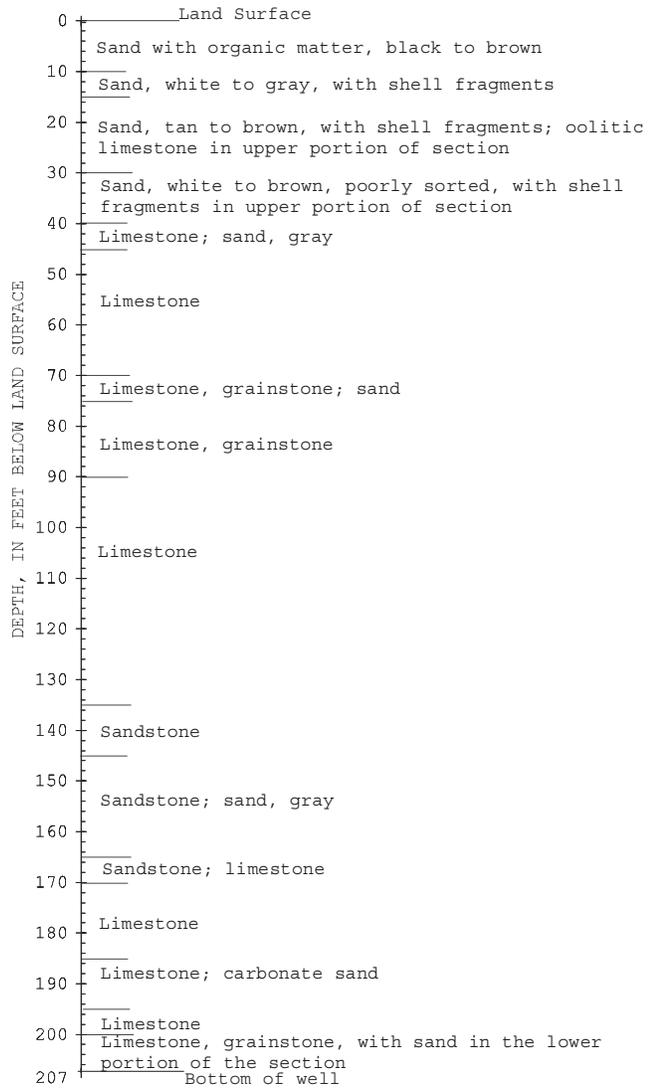
DATUM.--Land-surface datum is 5 ft above National Geodetic Vertical Datum of 1929, determined from a topographic map. Measuring point: Top of casing, at land-surface datum.

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

BULK CONDUCTIVITY



LITHOLOGIC LOG



Compiled and modified from the original lithologic description Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 16, 2001

— Shaded line represents bulk conductivity collected August 28, 2000

[ Delimits the interval for which the well is open to the aquifer

BROWARD COUNTY--Continued

WELL NUMBER.--260342080115902. Local Number G 2264. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°03'42", long 80°11'59", in NW ¼ NW ¼ NW ¼ sec. 31, T.50 S., R.42 E., Hydrologic Unit 03090202, 34 ft east of center of SW 40th Avenue and south of Griffin Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 203 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 4.70 ft above National Geodetic Vertical Datum of 1929. Prior to December 2000, land-surface datum was 3.88 ft above NGVD. Measuring point: Top of casing, at land-surface datum. SEE REMARKS.

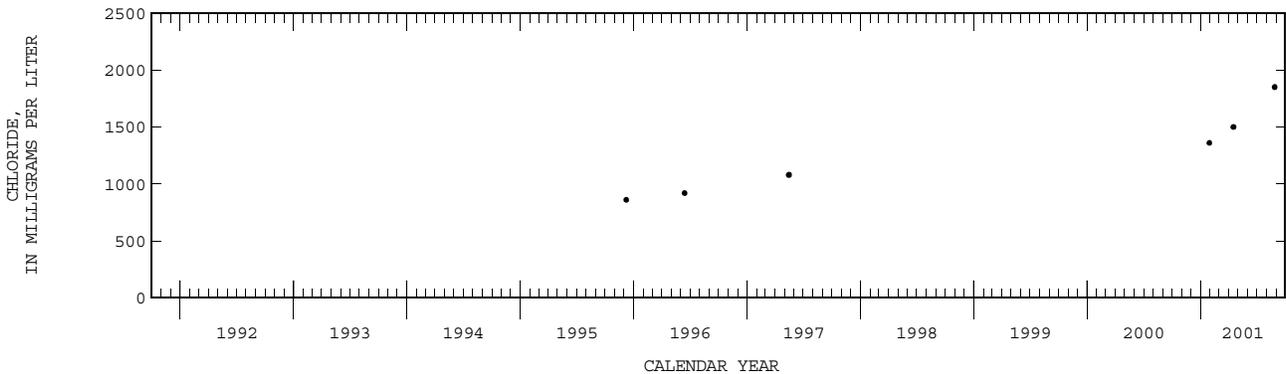
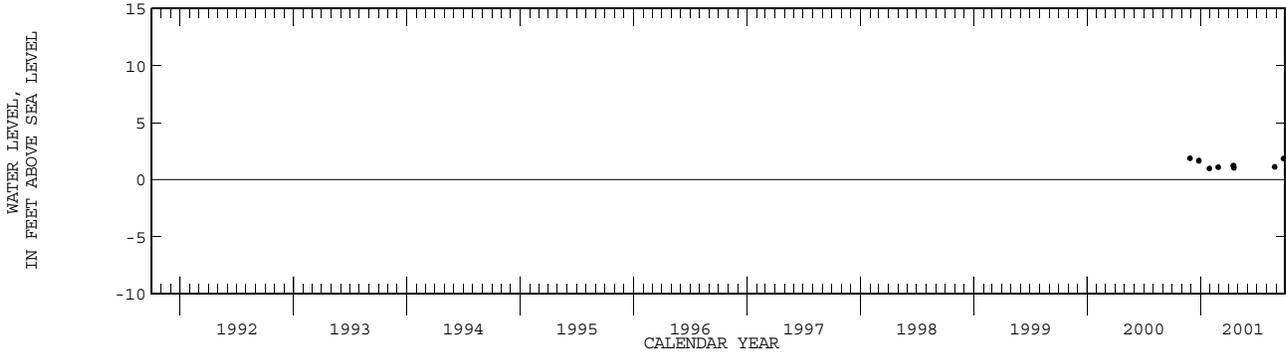
REMARKS.--Well is also used for salinity monitoring. Quarterly water-level measurements began in November 2000. In December 2000, construction activities altered the land-surface datum and the casing was reconstructed.

PERIOD OF RECORD.--July 1976 to April 2000 (intermittent), October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.88 ft NGVD, Nov. 27, 2000; lowest 0.99 ft NGVD, Jan 29, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV					APR				
27...	1402	--	--	1.88	16...	1532	5060	1500	1.24
DEC					18...	1400	--	--	1.06
26...	1322	--	--	1.67	AUG				
JAN					27...	1610	6100	1850	1.12
29...	1738	4380	1360	.99	SEP				
FEB					25...	1346	--	--	1.86
26...	1320	--	--	1.10					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260458080134801. Local Number G 1221. USGS Observation Well in Davie, FL.

LOCATION.--Lat 26°04'58", long 80°13'48", in NE ¼ NW ¼ SW ¼ sec.23, T.50 S., R.41 E., Hydrologic Unit 03090202, at southwest corner of Nova Drive and Davie Road Extension, 0.75 mi south of SR-84, and 1.6 mi west of the Florida Turnpike.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 12 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 6.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base 3.48 ft above land-surface datum.

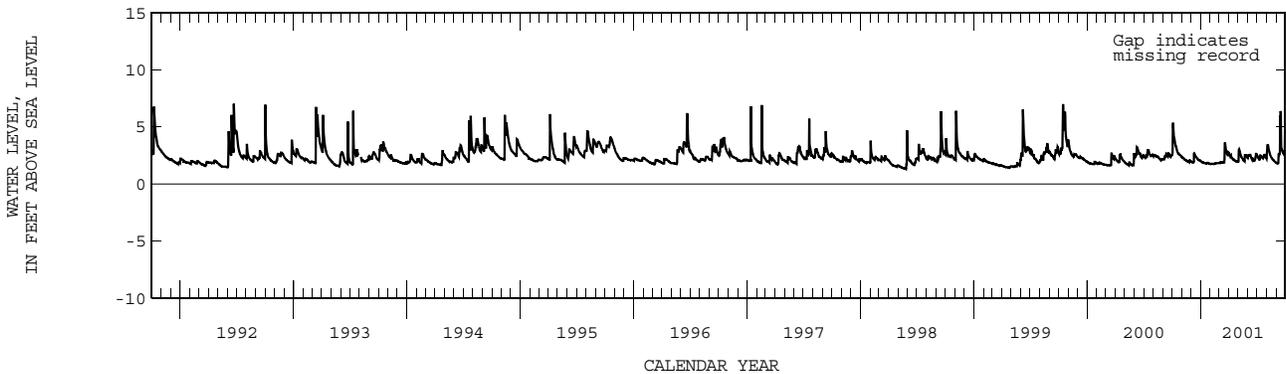
REMARKS.--Records of water levels prior to October, 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--December 1962 to February 1979, October 1982 to November 1983, March 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.02 ft NGVD, June 22, 1992; lowest, 0.67 ft NGVD, Apr. 30, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.59	2.27	1.88	1.91	1.79	1.91	2.42	2.94	2.49	2.32	3.32	1.80
10	3.56	2.15	2.66	1.86	1.77	1.88	2.38	2.44	2.45	2.17	2.79	2.55
15	3.04	2.07	2.48	1.82	1.79	1.88	2.18	2.22	2.15	2.42	2.42	6.37
20	2.68	1.99	2.27	1.84	1.83	3.56	2.07	2.02	2.07	2.26	2.20	2.94
25	2.57	2.08	2.12	1.83	1.83	2.74	1.99	2.54	2.27	2.55	2.04	2.64
EOM	2.40	1.98	2.02	1.79	1.83	2.74	1.94	2.31	2.63	2.24	1.87	4.44
MAX	5.30	2.38	2.70	1.99	1.84	3.56	2.67	3.02	2.65	2.58	3.39	6.37



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260515080202101. Local Number G 617. USGS Observation Well in Davie, FL.

LOCATION.--Lat 26°05'15", long 80°20'21", in SE ¼ SW ¼ sec.15, T.50 S., R.40 E., Hydrologic Unit 03090202, on SW 26th Street, west of SW 142nd Avenue, 1.8 mi north of South New River Canal, 6.5 mi west of Davie and 14.2 mi west of Fort Lauderdale.

AQUIFER.--Biscayne aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 29 ft, cased to 28 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.59 ft above land-surface datum.

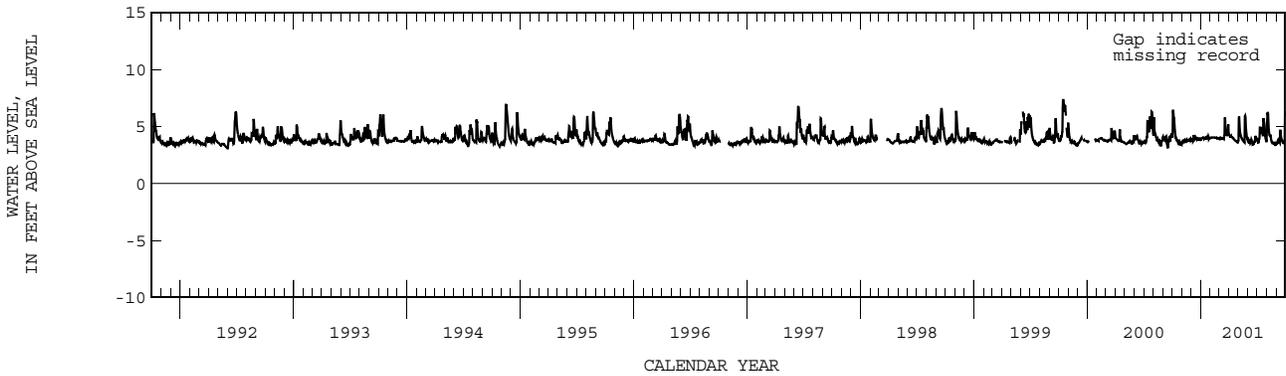
REMARKS.--Records of water levels prior to January 1957 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.40 ft NGVD, Oct. 15, 1999; lowest, 2.46 ft NGVD, June 7, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.03	3.66	3.86	4.00	4.04	4.05	4.17	5.25	3.61	3.65	6.29	3.50
10	4.44	3.65	4.18	4.06	4.05	3.99	4.12	4.12	3.57	4.92	4.23	3.79
15	3.82	3.85	3.98	4.01	4.03	3.93	4.00	3.87	3.60	4.95	3.97	4.59
20	3.52	3.77	3.87	4.11	4.00	5.73	3.82	3.68	3.49	4.25	3.54	3.77
25	3.59	3.85	3.90	4.15	3.97	4.29	3.70	5.78	4.18	4.60	3.45	3.58
EOM	3.53	3.77	3.81	3.99	3.96	4.55	3.61	3.87	3.88	3.64	3.52	5.86
MAX	6.40	3.96	4.18	4.15	4.05	5.73	4.33	5.93	4.19	5.71	6.29	6.31



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260521080122401. Local Number G 2125. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'21", long 80°12'25", in NW ¼ NE ¼ sec.24, T.50 S., R.41 E., Hydrologic Unit 03090202, at the intersection of SW 26th Street and SW 42nd Terrace, 2 ft east of centerline of SW 42nd Terrace and 5 ft south of centerline of SW 26th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 58 ft, cased to 57 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

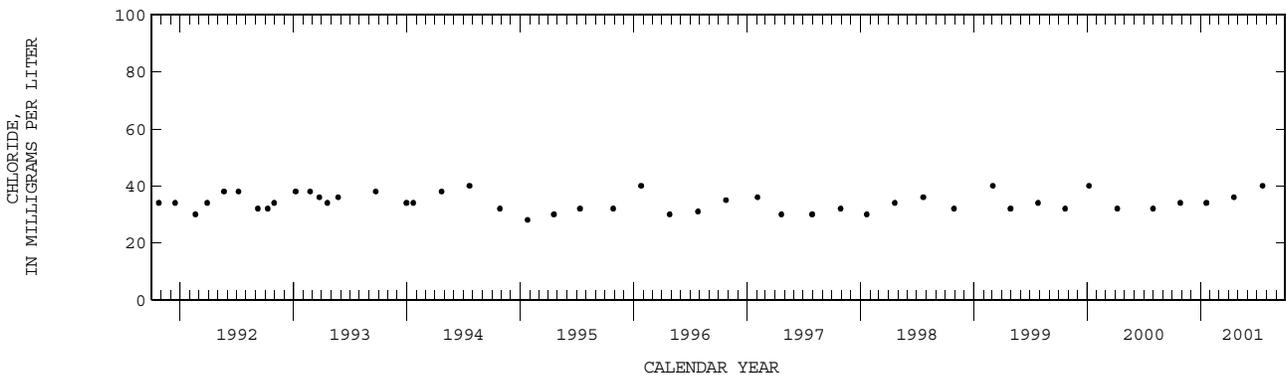
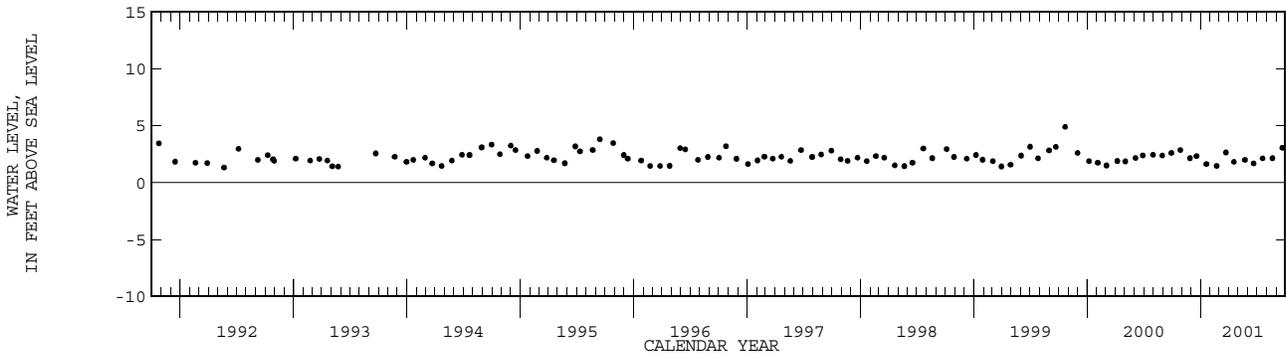
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to October 1977 (semiannual), February 1979 to September 1993 (intermittent), November 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.88 ft NGVD, Oct. 22, 1999; lowest, 0.65 ft NGVD, June 14, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1255	567	34.0	2.85	APR 18...	1310	561	36.0	1.82
NOV 27...	1104	--	--	2.14	MAY 23...	1315	--	--	1.98
DEC 18...	1539	--	--	2.32	JUN 20...	1321	--	--	1.68
JAN 19...	1241	556	34.0	1.62	JUL 19...	1333	593	40.0	2.12
FEB 21...	1410	--	--	1.46	AUG 20...	1326	--	--	2.14
MAR 23...	1322	--	--	2.64	SEP 21...	1434	--	--	3.05



BROWARD COUNTY--Continued

WELL NUMBER.--260528080122301. Local Number G 2123. USGS Observation Well near Fort Lauderdale, FL

LOCATION.--Lat 26°05'27", long 80°12'23" in NW ¼ SW ¼ SE ¼ sec.13, T.50 S., R.41 E., Hydrologic Unit 03090202, at dead end of SW 42 Terrace, on western side of street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 182 ft, cased to 181 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.46 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

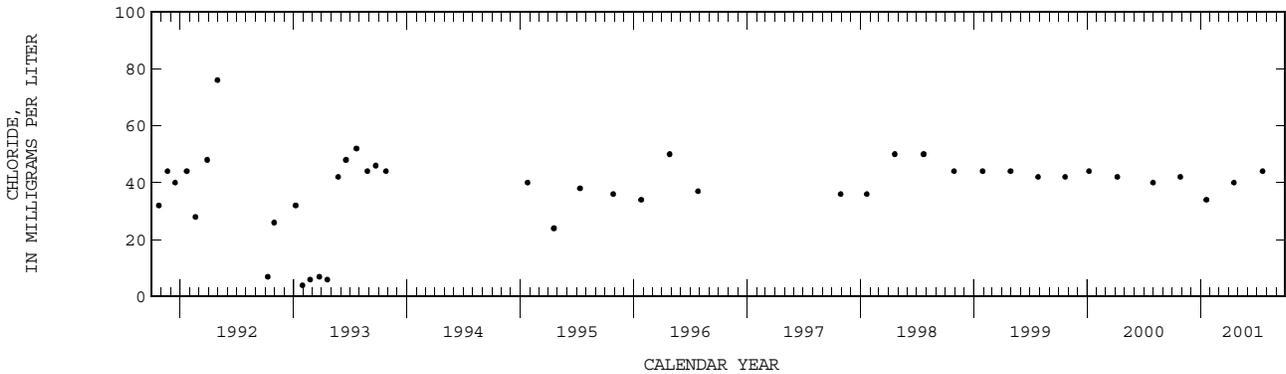
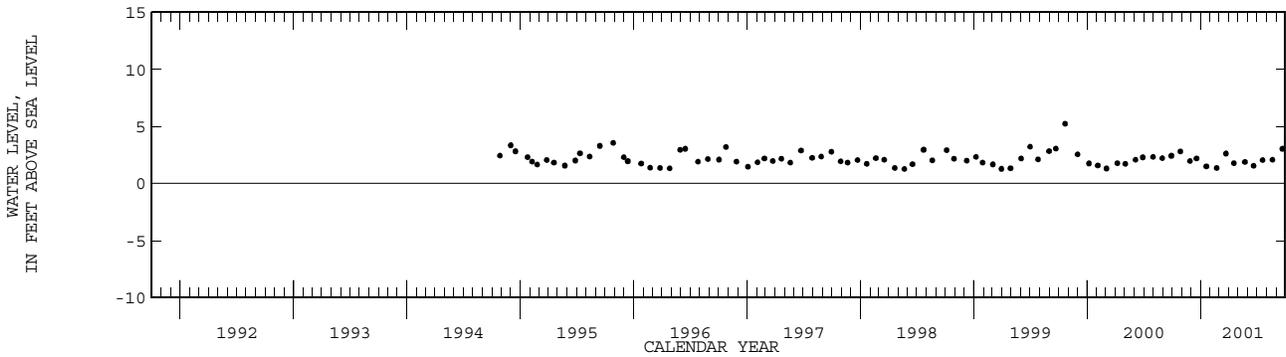
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to October 1993 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.24 ft NGVD, Oct. 22, 1999; lowest, 0.28 ft NGVD, May 2, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1300	516	42.0	2.81	APR 18...	1254	511	40.0	1.78
NOV 27...	1059	--	--	1.97	MAY 23...	1311	--	--	1.88
DEC 18...	1533	--	--	2.18	JUN 20...	1317	--	--	1.54
JAN 19...	1220	500	34.0	1.50	JUL 19...	1318	533	44.0	2.04
FEB 21...	1405	--	--	1.36	AUG 20...	1322	--	--	2.07
MAR 23...	1317	--	--	2.62	SEP 21...	1428	--	--	3.04



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260530080112101. Local Number G 2130. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'30", long 80°11'22", in SW ¼ SW ¼ SE ¼ sec.18, T.50 S., R.42 E., Hydrologic Unit 03090202, 11.6 ft west of edge of SW 33rd Terrace and 6.0 ft north of stop sign at southwest corner of intersection of Riverland Road and SW 33rd Terrace.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 60 ft, cased to 59 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.13 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.03 ft above land-surface datum.

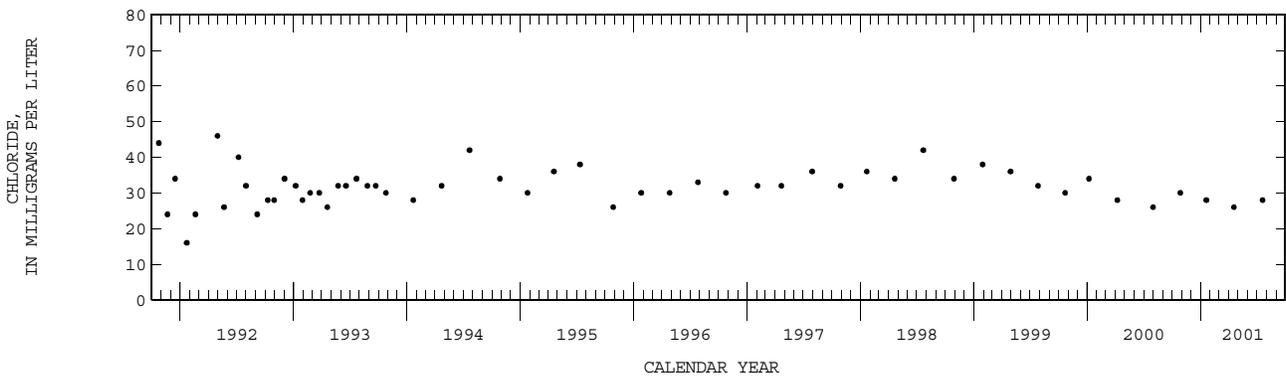
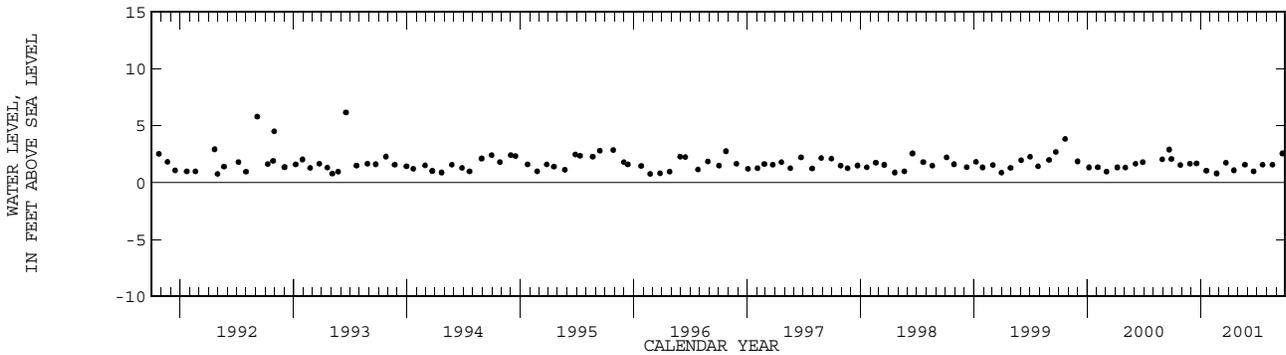
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to August 1990 (intermittent), October 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.15 ft NGVD, June 18, 1993; lowest, 0.54 ft above NGVD, Apr. 26, 1988 and Dec. 15, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1320	469	30.0	1.54	APR 18...	1222	474	26.0	1.08
NOV 27...	1037	--	--	1.66	MAY 23...	1255	--	--	1.56
DEC 18...	1453	--	--	1.68	JUN 20...	1302	--	--	.99
JAN 19...	1137	454	28.0	1.04	JUL 19...	1212	484	28.0	1.56
FEB 21...	1349	--	--	.80	AUG 20...	1307	--	--	1.56
MAR 23...	1300	--	--	1.74	SEP 21...	1403	--	--	2.56



BROWARD COUNTY--Continued

WELL NUMBER.--260533080123701. Local Number G 2122. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'33", long 80°12'37", in SE ¼ SE ¼ SW ¼ sec.13, T.50 S., R.41 E., Hydrologic Unit 03090202, 8.4 ft west of edge of SW 44th Terrace and 12.4 ft northeast of street sign at southwest corner of intersection of SW 24th Street and SW 44th Terrace.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 135 ft, cased to 134 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.31 ft below land-surface datum.

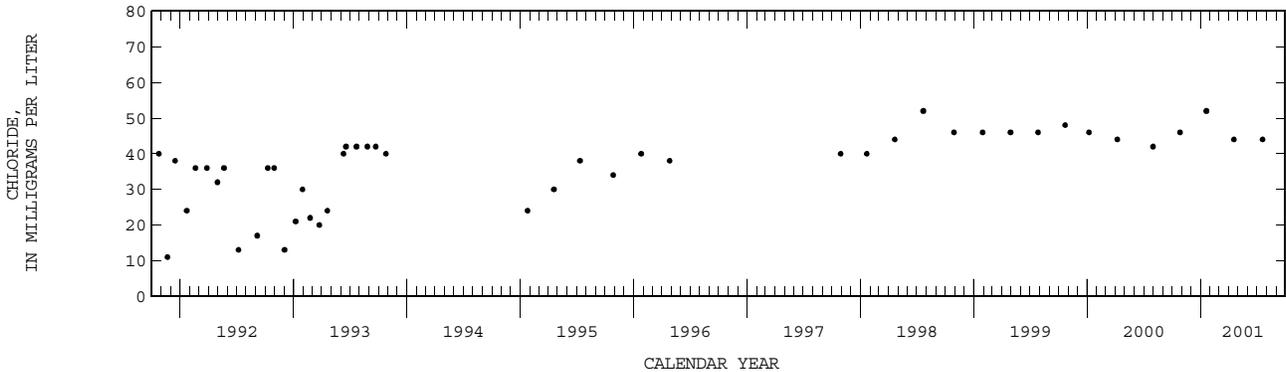
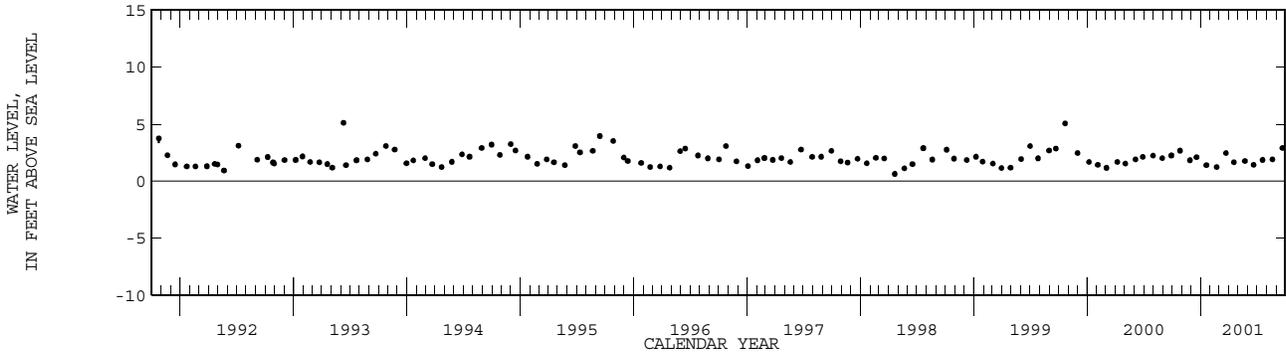
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to September 1990 (intermittent), October 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.11 ft NGVD, June 10, 1993; lowest, 0.24 ft NGVD, May 2, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1250	559	46.0	2.66	APR 18...	1239	571	44.0	1.65
NOV 27...	1051	--	--	1.82	MAY 23...	1327	--	--	1.75
DEC 18...	1517	--	--	2.08	JUN 20...	1311	--	--	1.42
JAN 19...	1159	554	52.0	1.38	JUL 19...	1302	586	44.0	1.85
FEB 21...	1339	--	--	1.22	AUG 20...	1317	--	--	1.90
MAR 23...	1308	--	--	2.44	SEP 21...	1421	--	--	2.90



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260534080110801. Local Number G 2904. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'34", long 80°11'07", in SW ¼ SW ¼ sec.17, T.50 S., R.42 E., Hydrologic Unit 03090202, at St. Ambrose Church, 16 ft east of SW 31st Avenue, northeast of the intersection of SW 31st Avenue and SW 23rd Court.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 126 ft, cased to 116 ft, screened from 116 to 126 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 5.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

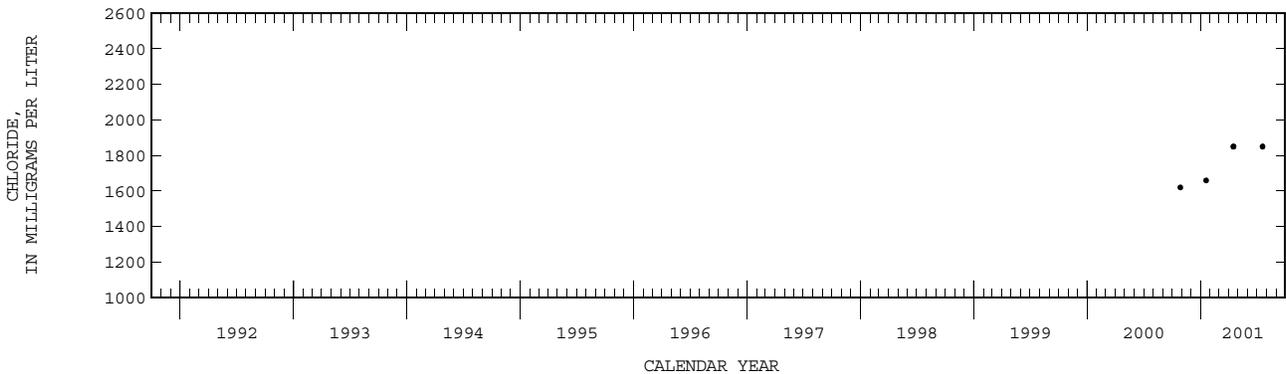
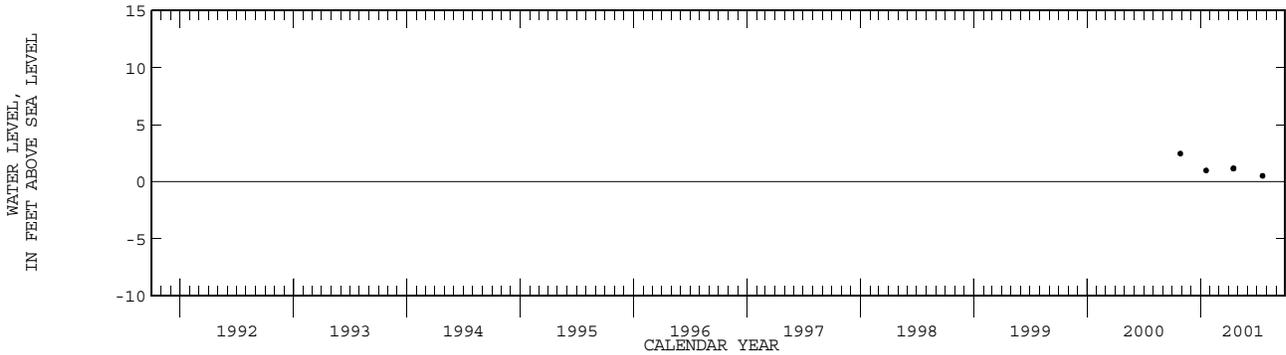
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Quarterly water-level measurements began in October 2000.

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

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 2.47 ft NGVD, Oct. 27, 2000; lowest, 0.52 ft NGVD, July 19, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

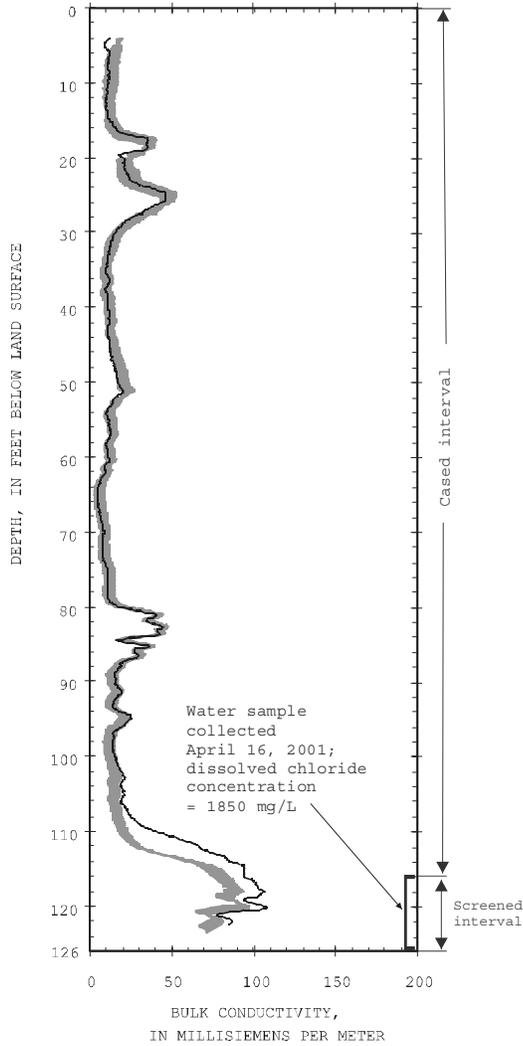
DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1215	5410	1620	2.47	APR 16...	0856	6150	1850	1.17
JAN 18...	1430	5520	1660	.98	JUL 19...	1117	6260	1850	.52



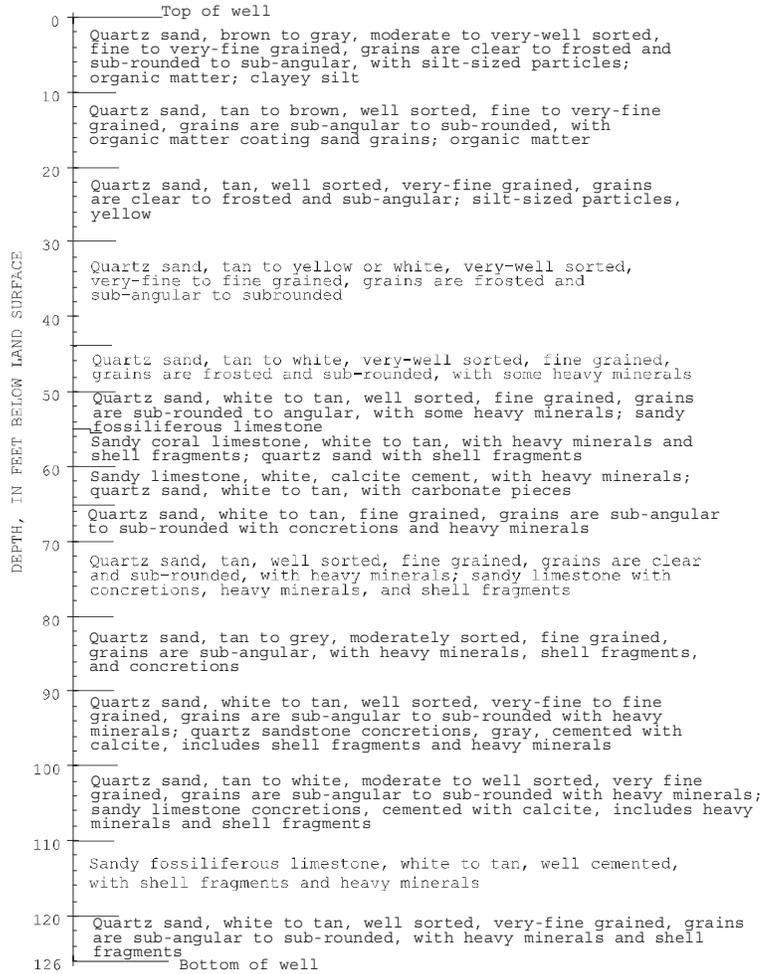
BROWARD COUNTY--Continued

WELL NUMBER.--260534080110801. Local Number G 2904. USGS Observation Well near Fort Lauderdale, FL.

BULK CONDUCTIVITY



LITHOLOGIC LOG



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 16, 2001
- Shaded area represents range in bulk conductivity logs collected April 19, 2000 and August 28, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260534080112101. Local Number G 2129. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'33", long 80°11'22" in SW ¼ SW ¼ SE ¼ sec.18, T.50 S., R.42 E., Hydrologic Unit 03090202, on western side of SW 33rd Terrace, 100 ft north of intersection between SW 33rd Terrace and Riverland Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 180 ft, cased to 179 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 4.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

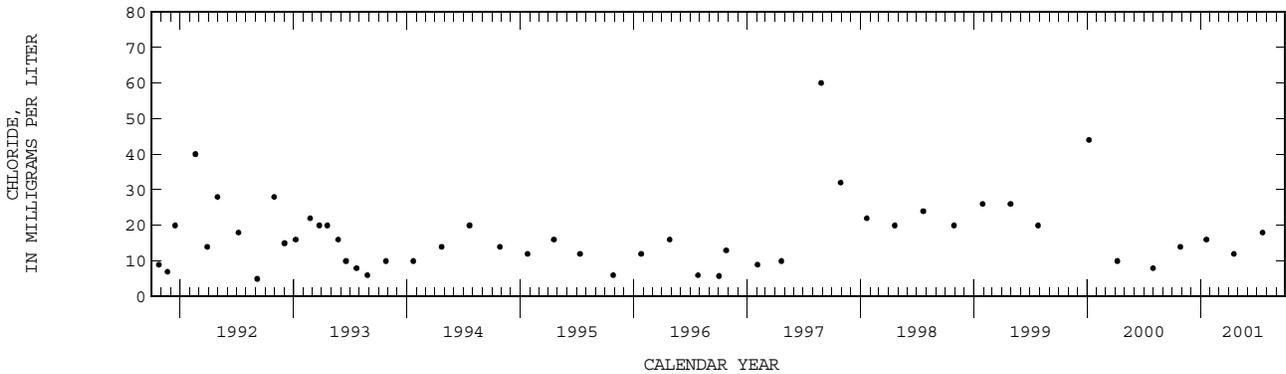
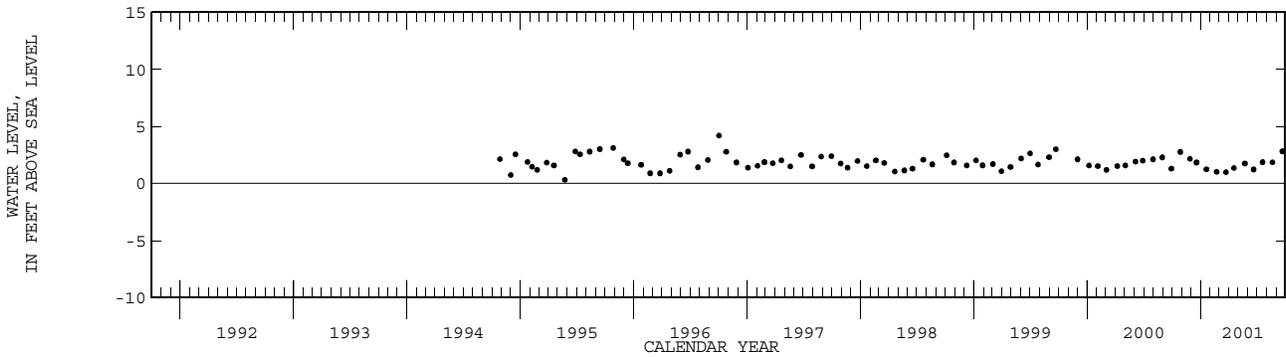
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--January 1976 to July 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.20 ft NGVD, Oct. 2, 1996; lowest, 0.32 ft NGVD, May 24, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1310	277	14.0	2.76	APR 18...	1207	234	12.0	1.35
NOV 27...	1033	--	--	2.16	MAY 23...	1300	--	--	1.75
DEC 18...	1430	--	--	1.84	JUN 20...	1258	--	--	1.23
JAN 19...	1108	305	16.0	1.24	JUL 19...	1156	306	18.0	1.87
FEB 21...	1345	--	--	1.02	AUG 20...	1304	--	--	1.85
MAR 23...	1256	--	--	.98	SEP 21...	1359	--	--	2.82



BROWARD COUNTY--Continued

WELL NUMBER.--260535080104301. Local Number G 854. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'35", long 80°10'42", in SW ¼ SE ¼ SE ¼ sec.17, T.50 S., R.42 E., Hydrologic Unit 03090202, in meter box in grassy area 5.5 ft south of edge of Riverland Road, north of River Lanes Canal west of SW 27th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 206 ft, cased to 195 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum 3.87 ft above National Geodetic Vertical Datum of 1929. Between May 1985 and September 1997, land-surface datum was considered to be 5.82 ft above NGVD. Measuring Point: Top of casing, 0.16 ft below land-surface datum. See REMARKS.

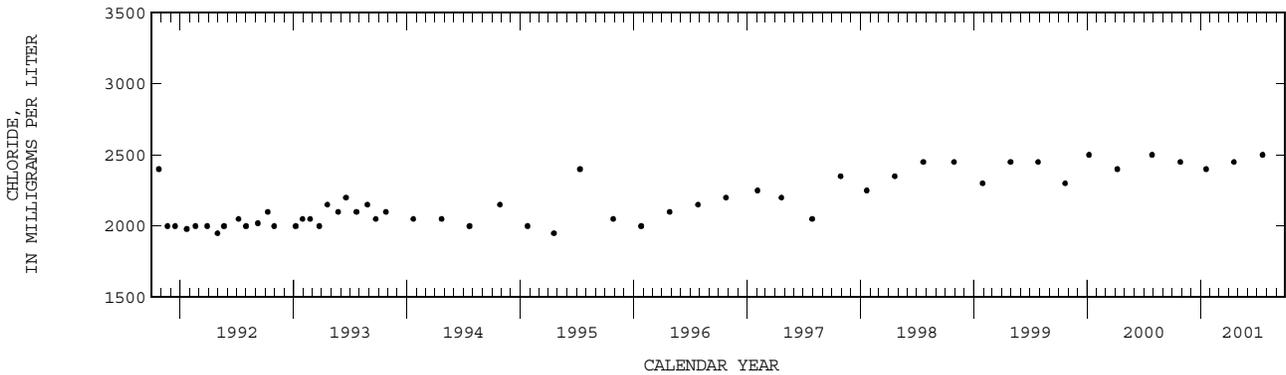
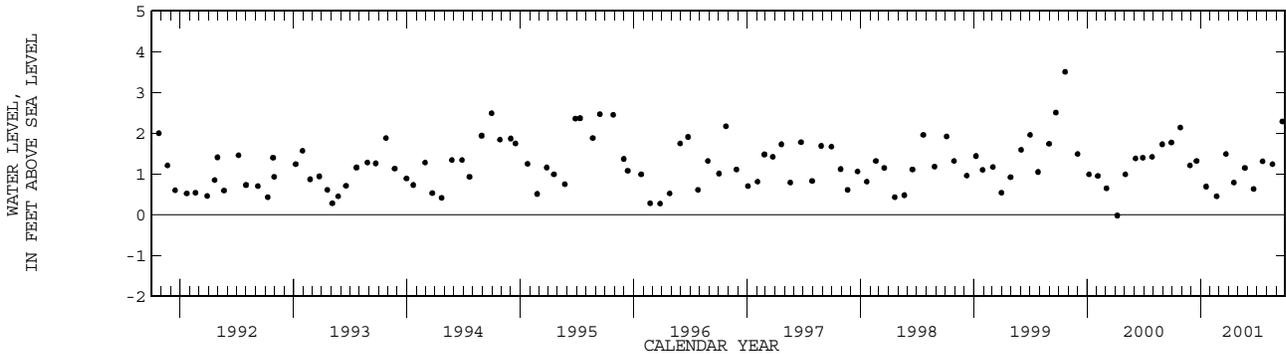
REMARKS.--Well also used for salinity monitoring. The figures of water levels as elevation, in feet NGVD, between May 1985 and September 1997 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1975 to October 1979 (intermittent), May 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.51 ft NGVD, Oct. 22, 1999; lowest, 0.02 ft below NGVD, Apr. 7, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1205	7700	2450	2.14	APR 18...	1124	7870	2450	.79
NOV 27...	1015	--	--	1.21	MAY 23...	1237	--	--	1.15
DEC 18...	1352	--	--	1.32	JUN 20...	1244	--	--	.63
JAN 18...	1347	7810	2400	.69	JUL 19...	1056	8170	2500	1.31
FEB 21...	1330	--	--	.45	AUG 20...	1252	--	--	1.24
MAR 23...	1217	--	--	1.49	SEP 21...	1346	--	--	2.29



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260545080082001. Local Number G 561. USGS Observation Well at Fort Lauderdale, FL.

LOCATION.--Lat 26°05'45", long 80°08'20", in NE ¼ SE ¼ SE ¼ sec.15, T.50 S., R.42 E., Hydrologic Unit 03090202, at SE 4th Avenue and 20th Street in Fort Lauderdale, 0.2 mi west of US 1, and 0.3 mi north of SR 84.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 7.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.06 ft above land-surface datum.

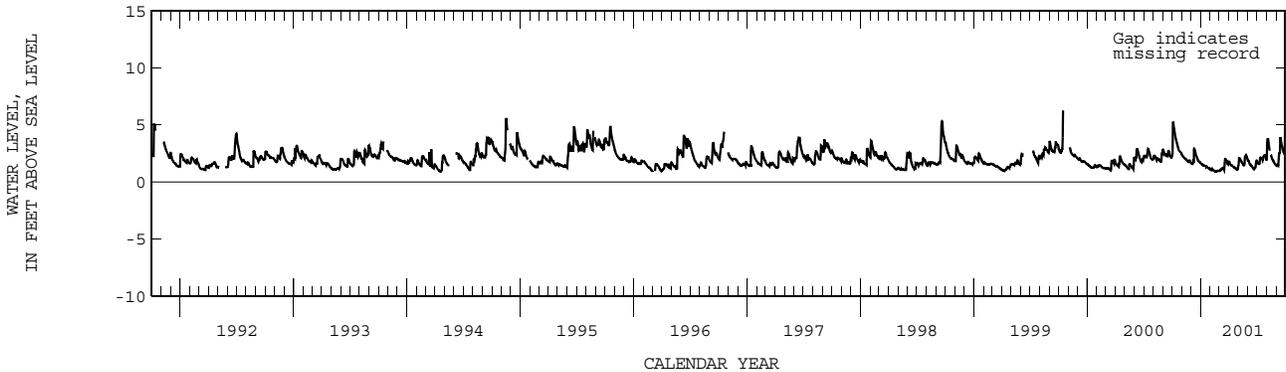
REMARKS.--Records of water levels prior to January 1957 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.40 ft NGVD, Oct. 5, 1948; lowest, 0.05 ft NGVD, July 2, 1952.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.03	2.24	1.58	1.54	1.20	1.08	1.56	2.10	1.76	1.63	3.76	1.50
10	4.08	2.10	2.86	1.45	1.05	1.20	1.46	1.85	1.48	1.89	2.89	2.52
15	3.46	1.98	2.54	1.41	.94	1.15	1.35	1.60	1.33	2.12	2.36	3.85
20	2.95	1.81	2.12	1.36	.94	2.03	1.25	1.46	1.14	1.98	1.97	3.05
25	2.66	1.90	1.85	1.22	.99	1.75	1.13	2.22	1.28	2.31	1.70	2.60
EOM	2.46	1.70	1.68	1.13	.97	1.73	1.13	2.00	1.90	1.89	1.47	4.37
MAX	5.29	2.42	2.91	1.63	1.20	2.03	1.79	2.38	1.91	2.36	3.77	4.41



BROWARD COUNTY--Continued

WELL NUMBER.--260547080105801. Local Number G 2352. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'46", long 80°10'58" in SE ¼ NW ¼ SW ¼ sec.17, T.50 S., R.42 E., Hydrologic Unit 03090202, 200 ft south of intersection of SW 29th Avenue and SW 19th Court, on western side of SW 29th Avenue 20 ft from street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 171 ft, cased to 171 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 4.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

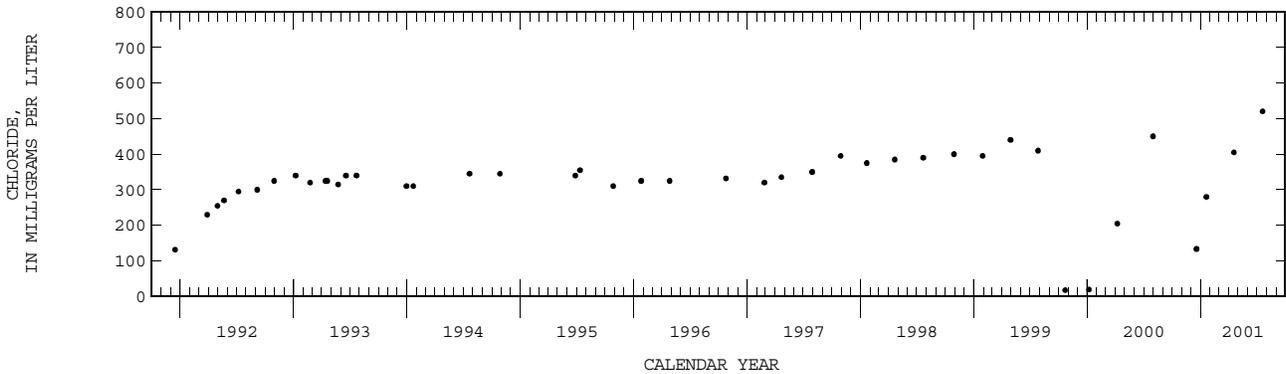
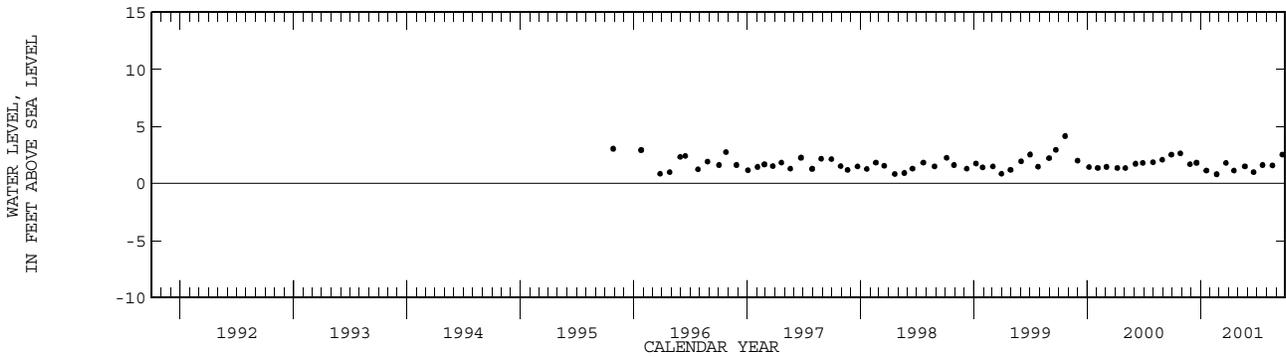
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--May 1981 to September 1995 (intermittent), October 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.16 ft NGVD, Oct. 22, 1999; lowest, 0.81 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1228	--	--	2.63	APR 18...	1145	1720	405	1.13
NOV 27...	1025	--	--	1.69	MAY 23...	1244	--	--	1.50
DEC 18...	1015	625	134	1.81	JUN 20...	1251	--	--	.99
JAN 19...	1040	1230	280	1.12	JUL 19...	1136	2140	520	1.62
FEB 21...	1337	--	--	.81	AUG 20...	1258	--	--	1.58
MAR 23...	1244	--	--	1.79	SEP 21...	1353	--	--	2.53



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260638080095801. Local Number G 2131. USGS Observation Well at Fort Lauderdale, FL.

LOCATION.--Lat 26°06'38", long 80°09'58", in SE ¼ NW ¼ SE ¼ sec.9 T.50 S., R.42 E., Hydrologic Unit 03090202, near southwest corner of Stranahan High School at northeast corner of SW 20th Avenue and SW 9th street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geological Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 69 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

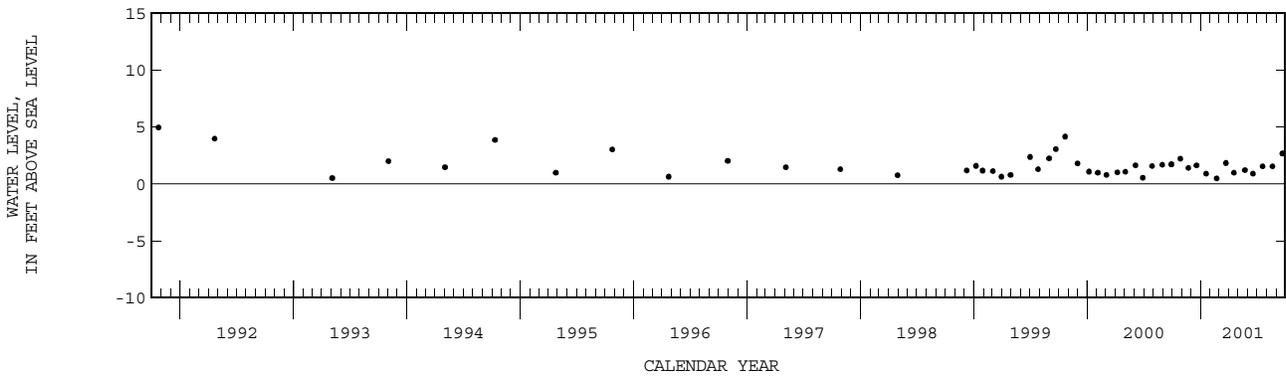
DATUM.--Land-surface datum is 6 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing 0.02 ft below land-surface datum.

PERIOD OF RECORD.--October 1975 to April 1998 (semiannual), December 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.22 ft NGVD, Apr. 24, 1990; lowest, 0.48 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
27...	1106	2.21	18...	1110	.97
NOV			MAY		
22...	1435	1.40	23...	1227	1.20
DEC			JUN		
18...	1336	1.62	18...	1225	.90
JAN			JUL		
18...	1320	.90	19...	1044	1.54
FEB			AUG		
21...	1318	.48	20...	1240	1.54
MAR			SEP		
23...	1209	1.83	21...	1335	2.67



BROWARD COUNTY--Continued

WELL NUMBER.--260638080104801. Local Number G 2902. USGS Observation Well near Melrose Park, FL.

LOCATION.--Lat 26°06'38", long 80°10'48", in SW ¼ NE ¼ SW ¼ sec. 8, T.50 S., R.42 E., Hydrologic Unit 03090202, at Triangle Park near the southwest corner of SW 8th Street and SW 28th Avenue, 0.75 mi south of Broward Boulevard.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.  
 WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 190 ft, cased to 180 ft, screened 180 to 190 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 7.03 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

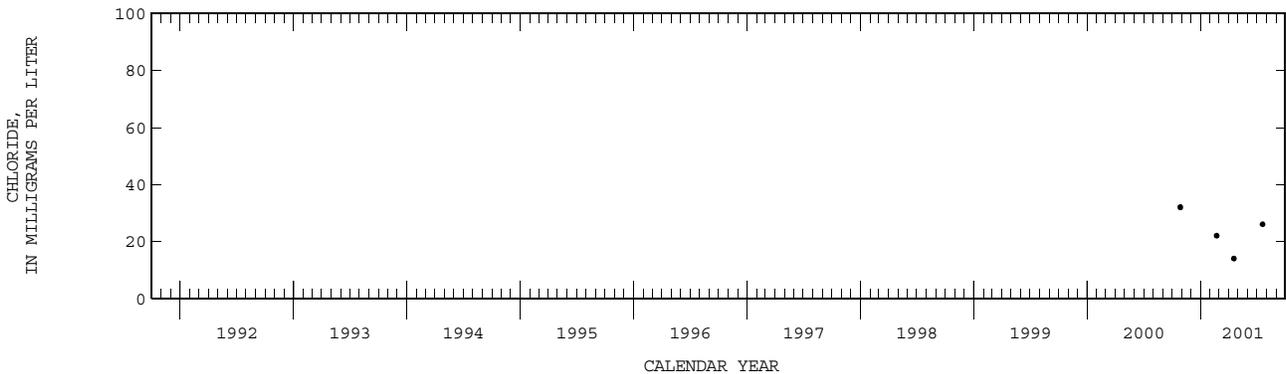
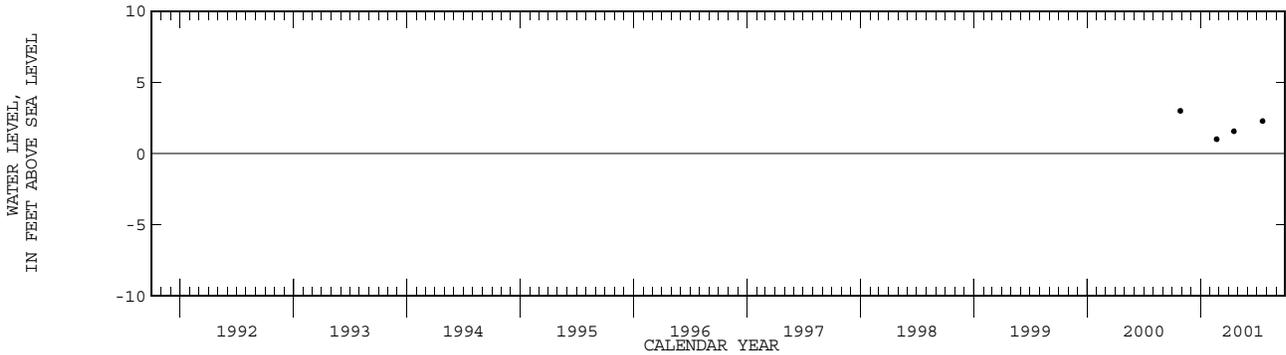
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/ salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.00 ft NGVD, Oct. 27, 2000; lowest, 1.01 ft NGVD, Feb. 21, 2001.

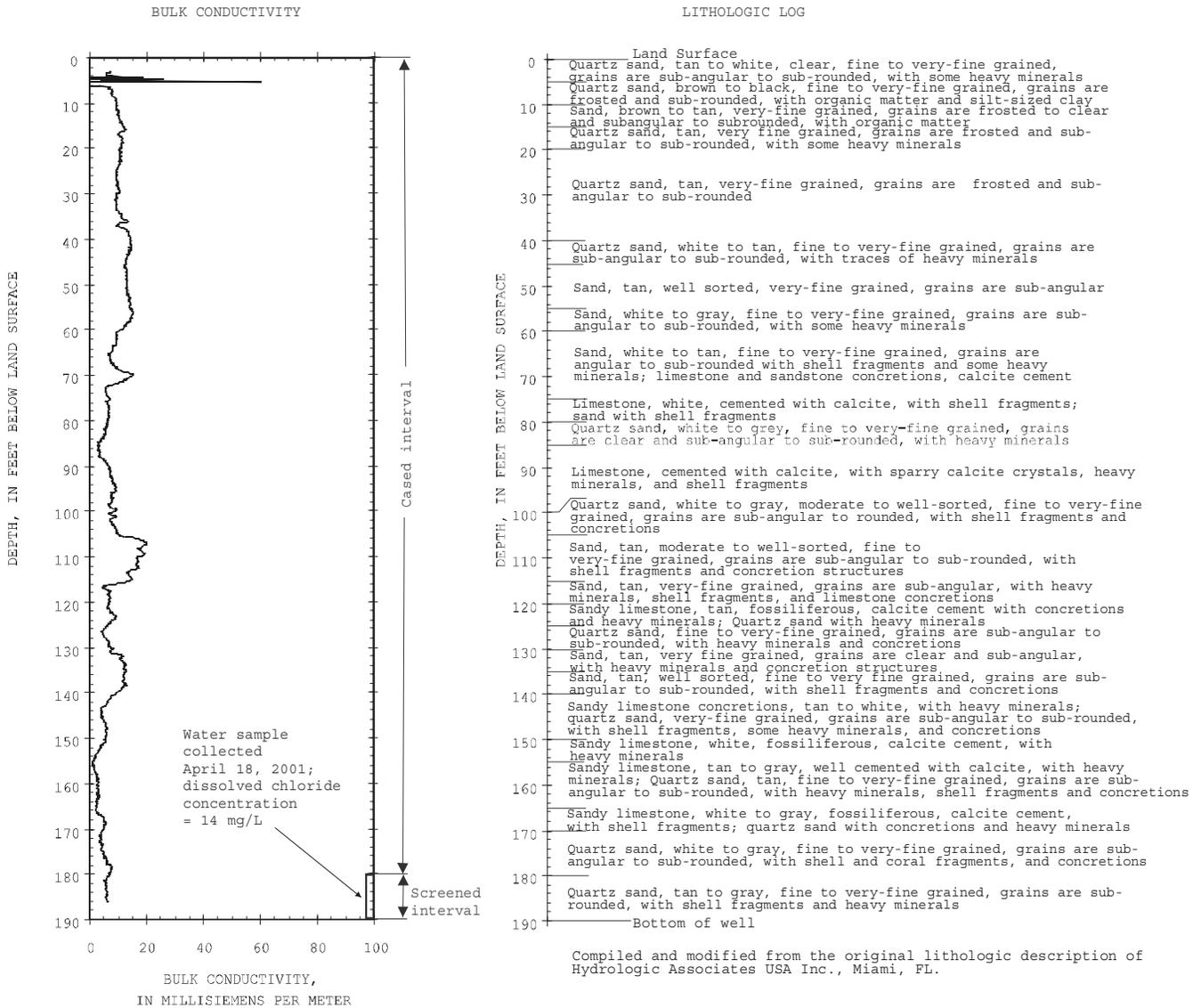
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1117	523	32.0	3.00	APR 18...	0904	290	14.0	1.57
FEB 21...	1300	516	22.0	1.01	JUL 19...	1008	501	26.0	2.29



BROWARD COUNTY--Continued

WELL NUMBER.--260638080104801. Local Number G 2902. USGS Observation Well near Melrose Park, FL.



EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 18, 2001

[ Delimits the interval for which the well is open to the aquifer

BROWARD COUNTY--Continued

WELL NUMBER.--260653080184901. Local Number G 2034. USGS Observation Well near Davie, FL.

LOCATION.--Lat 26°02'02", long 80°23'07", in NE ¼ SE ¼ sec.6, T.51 S., R.40 E., Hydrologic Unit 03090202, at SW 178th Avenue (Rolling Oaks Road) and SW 68th Court, 1.9 mi south of Griffin Road and east of Mathus Drive, 7.8 mi west of Davie.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum.

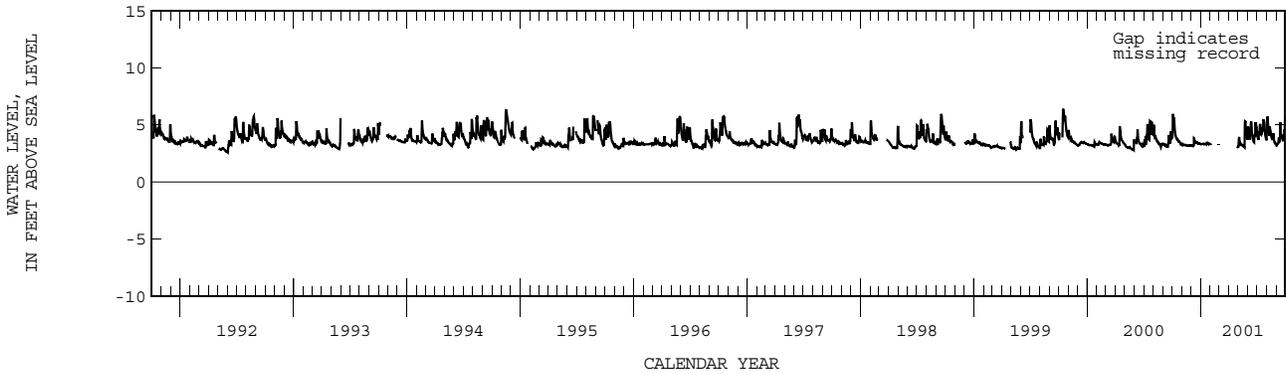
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.40 ft NGVD, Oct. 15, 1999; lowest, 1.49 ft NGVD, May 6, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.37	3.26	3.21	3.34	---	---	---	3.67	3.95	3.79	5.43	3.35
10	4.33	3.22	3.83	3.36	---	---	---	3.30	4.75	4.95	4.04	3.60
15	3.82	3.25	3.53	3.33	---	---	---	3.21	4.13	4.37	4.17	4.85
20	3.58	3.21	3.42	3.45	---	---	---	3.09	3.51	4.43	3.83	3.81
25	3.52	3.22	3.38	3.40	---	---	---	5.30	5.24	4.63	3.61	4.11
EOM	3.28	3.18	3.32	3.35	---	---	3.05	3.70	4.77	3.65	3.34	5.29
MAX	5.96	3.30	3.83	3.45	3.36	---	3.10	5.31	5.30	5.50	5.73	5.78



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260657080122301. Local Number S 329. USGS Observation Well in Fort Lauderdale, FL.

LOCATION.--Lat 26°06'57", long 80°12'23", in SW ¼ NE ¼ sec.12, T.50 S., R.41 E., Hydrologic Unit 03090202, 200 ft south of NW 4th Street on west side of Country Club Circle, and 0.3 mi west of US 441 on east edge of City of Fort Lauderdale well field.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 4 in., depth 68 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 9.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.22 ft above land-surface datum.

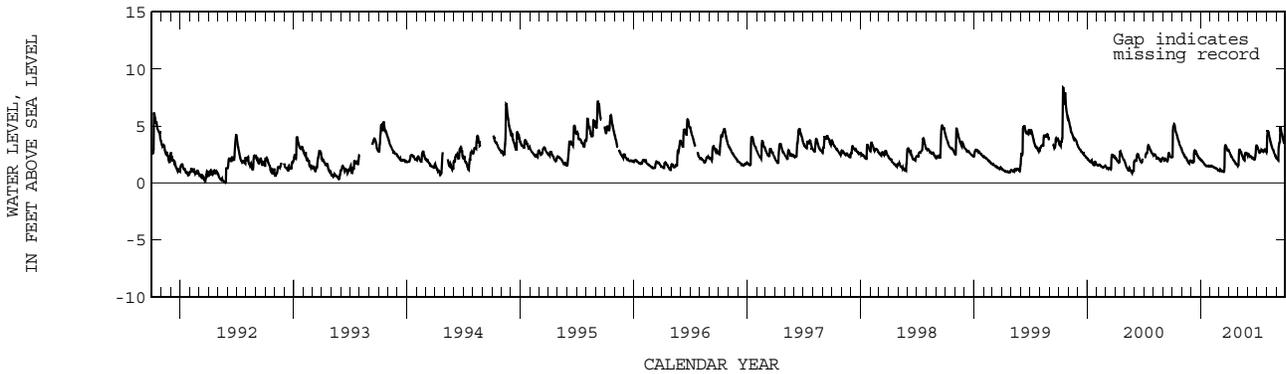
REMARKS.--Well is used to determine effect of municipal pumping on ground-water levels. Records of water levels prior to January 1957 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.76 ft NGVD, Oct. 17, 1947; lowest, 1.26 ft below NGVD, May 2, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.94	2.65	1.80	1.95	1.51	1.20	2.61	2.95	2.53	2.99	4.52	2.08
10	4.79	2.36	2.52	1.77	1.42	1.06	2.33	2.72	2.30	2.65	4.06	3.49
15	4.26	2.20	2.80	1.59	1.34	.99	2.10	2.34	2.20	2.93	3.46	4.87
20	3.78	1.92	2.45	1.50	1.27	3.31	1.89	2.08	2.13	2.76	3.03	4.19
25	3.35	1.92	2.28	1.50	1.19	3.04	1.66	2.66	2.35	2.88	2.68	3.60
EOM	2.99	1.94	2.09	1.46	1.12	2.94	1.53	2.50	3.31	2.71	2.28	5.45
MAX	5.16	2.92	2.87	2.06	1.51	3.32	2.87	2.95	3.31	3.31	4.54	5.45



BROWARD COUNTY--Continued

WELL NUMBER.--260658080132001. Local Number G 1089 USGS Observation Well near Plantation, FL.

LOCATION.--Lat 26°06'58", long 80°13'20", in NE ¼ SW ¼ NE ¼ sec.11 T.50., R.41 E., Hydrologic Unit 03090202, at the northwest corner of SW 3rd Court and SW 54th Avenue, 0.3 mi south of Broward Boulevard and 0.2 mi west of the Florida Turnpike.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 16 ft, cased to 14 ft, screened to 16 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

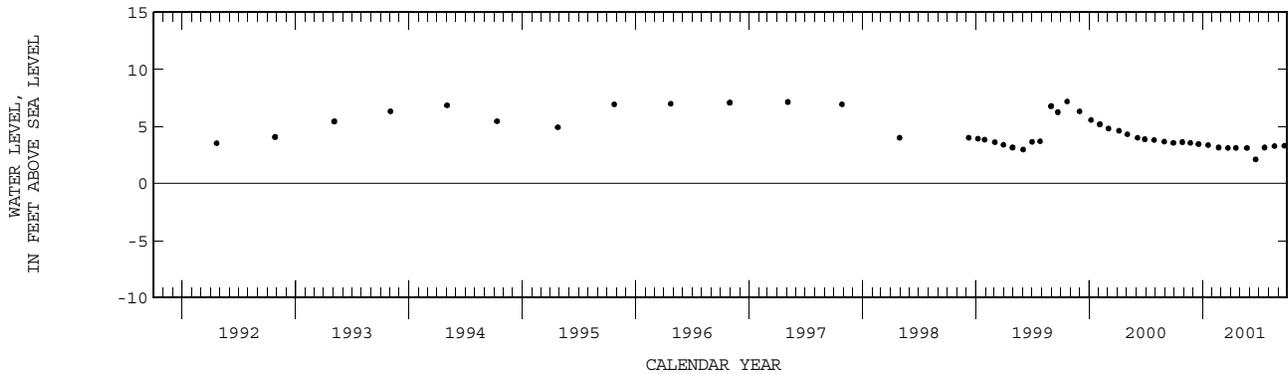
DATUM.--Land-surface datum is 7.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--October 1975 to April 1998 (semiannual), December 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.18 ft NGVD, Oct. 22, 1999; lowest, 1.78 ft NGVD, May 13, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
27...	1000	3.63	18...	1035	3.12
NOV			MAY		
22...	1358	3.55	23...	1207	3.10
DEC			JUN		
18...	1317	3.45	20...	1200	2.11
JAN			JUL		
18...	1255	3.36	19...	0944	3.15
FEB			AUG		
21...	1240	3.15	20...	1223	3.28
MAR			SEP		
23...	1152	3.10	21...	1312	3.30



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260737080103301. Local Number G 2901. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°07'37", long 80°10'33", in NW ¼ SE ¼ sec.5, T.50 S., R.42 E., Hydrologic Unit 03090202, 101 ft east of west parking lot in Reverend Samuel Delevoe Park, southeast of the intersection of Sistrunk Boulevard and NW 27th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.  
 WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 205 ft, cased to 195 ft, screened 195 to 205 ft.

INSTRUMENTATION.--Quarterly measurement by chalked tape. See REMARKS.

DATUM.--Land-surface datum is 6.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

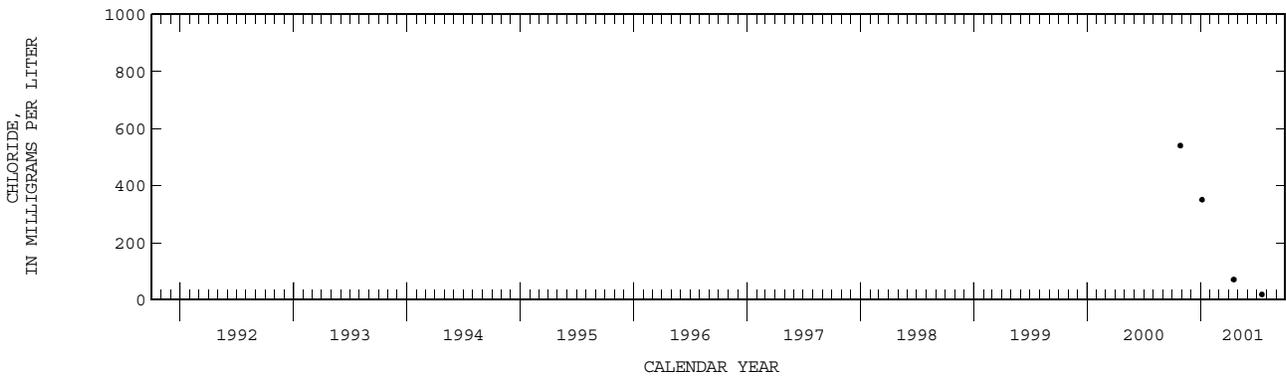
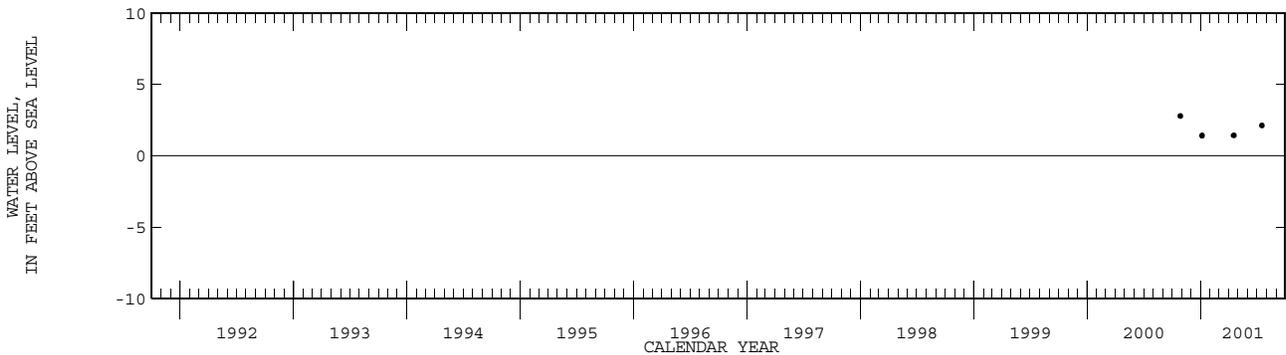
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A separation of the casing was found using a bore-hole camera. The chloride concentration measurements are likely to reflect dilution from leakage at the separation. Quarterly water-level measurements began in October 2000.

PERIOD OF RECORD.--August 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.79 ft NGVD, Oct. 27, 2000; lowest, 1.42 ft NGVD, Jan. 5, 2001.

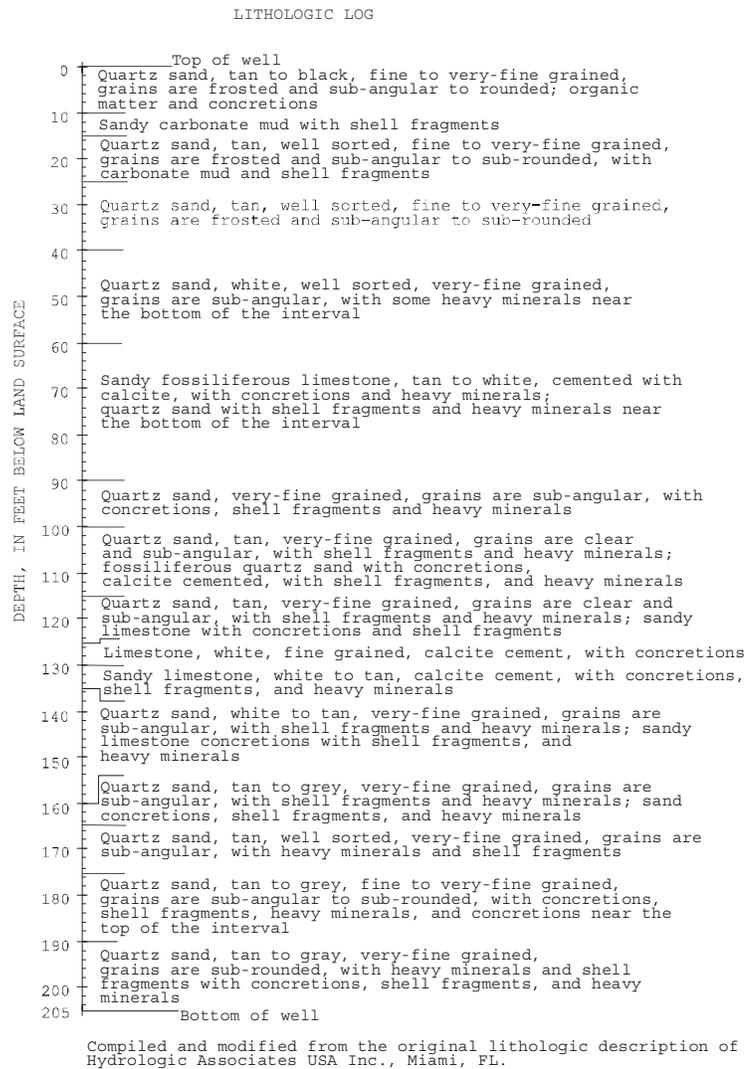
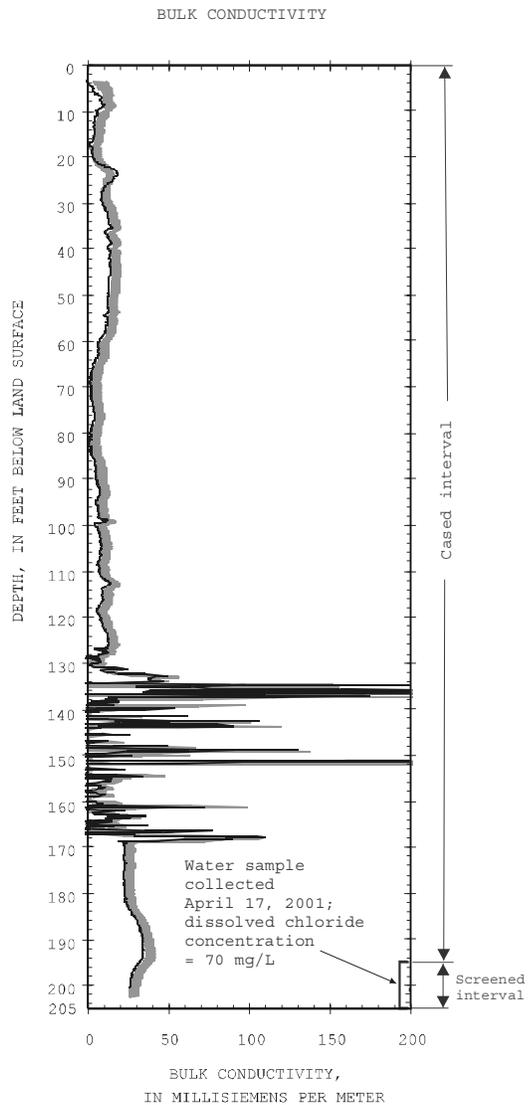
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1020	E2160	E540	2.79	APR 17...	0702	E614	E70.0	1.43
JAN 05...	1155	E1520	E350	1.42	JUL 17...	0958	E404	E18.0	2.13



BROWARD COUNTY--Continued

WELL NUMBER.--260737080103301. Local Number G 2901. USGS Observation Well near Fort Lauderdale, FL.



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 17, 2001
- Shaded area represents range in bulk conductivity logs collected April 19, 2000 and August 29, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260752080084701. Local Number G 1220. USGS Observation Well in Fort Lauderdale, FL.

LOCATION.--Lat 26°07'52", long 80°08'47", in SE ¼ SW ¼ sec.3, T.50 S., R.42 E., Hydrologic Unit 03090202. at corner of NW 2nd Avenue and NW 7th Street in Fort Lauderdale, and 0.8 mi west of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 4.76 ft above National Geodetic Vertical Datum of 1929. Prior to October 1980, land-surface datum was considered to be 5.76 ft above NGVD. Measuring point is top of base 3.01 ft above land-surface datum. Prior to October 2000, top of base was considered to be 3.02 (water years 1998 to 2000) or 3.00 (1989 to 1997) ft above land-surface datum. Prior to January 1989, measuring point was top of casing, 3.00 ft above land-surface datum. See REMARKS.

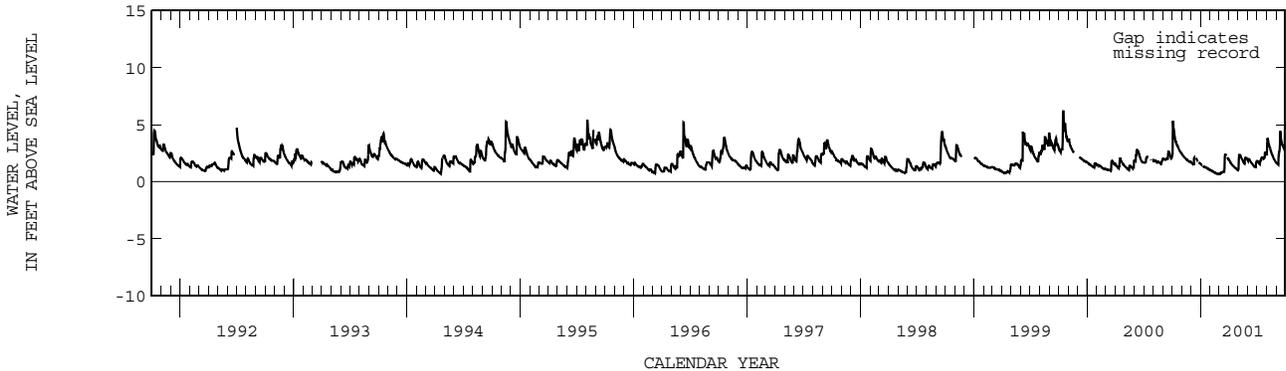
REMARKS.--Because of the 0.01 ft magnitude of error, the published figures of water levels as elevation, in feet NGVD, for January 1989 to September 2000 have been retained. The figures of water level as elevation, in feet NGVD, prior to October 1, 1980 are in error. Corrected records are in files of the Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--December 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.37 ft NGVD, Mar. 27, 1986; lowest, 0.40 ft NGVD, May 30, 1965.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.64	2.29	1.57	1.45	.97	.76	1.78	2.35	1.99	1.77	3.74	1.56
10	3.72	2.14	1.99	1.35	.89	.80	1.57	2.19	1.79	1.54	3.12	2.67
15	3.25	2.00	---	1.27	.81	.88	1.41	1.90	1.59	2.08	2.66	4.23
20	3.01	1.87	1.93	1.21	.73	2.37	1.26	1.66	1.40	2.12	2.28	3.26
25	2.70	1.78	1.70	1.15	.70	2.29	1.15	2.11	1.29	2.15	2.00	2.99
EOM	2.48	1.73	1.58	1.04	.67	1.98	1.04	1.97	1.80	2.38	1.70	4.71
MAX	5.33	2.45	2.17	1.55	1.03	2.37	1.96	2.35	1.99	2.54	3.83	5.26



BROWARD COUNTY--Continued

WELL NUMBER.--260753080113901. Local Number G 1343. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°07'48", long 80°11'39", in NE ¼ SW ¼ NW ¼ sec.6, T.50 S., R.42 E., Hydrologic Unit 03090202, between road and sidewalk in southeast corner of intersection of NW 7th Street and NW 34th Terrace.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 210 ft, cased to 199 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

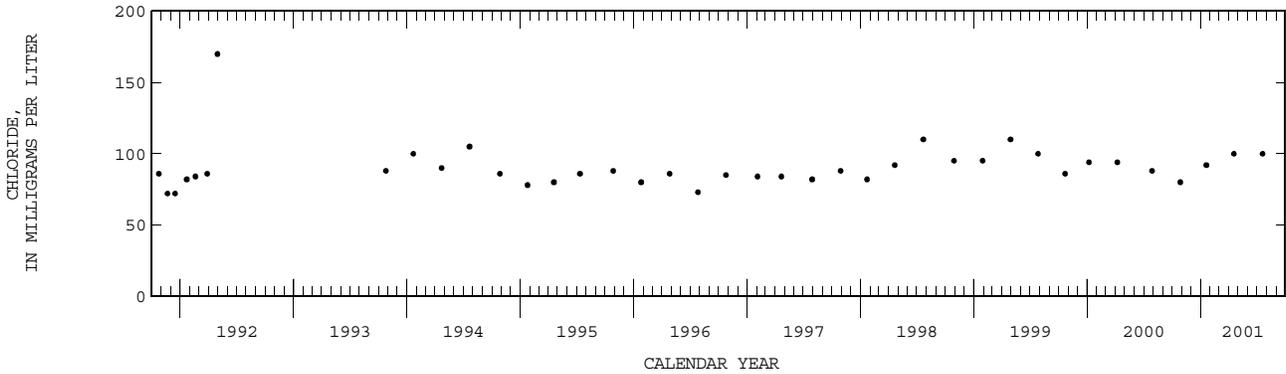
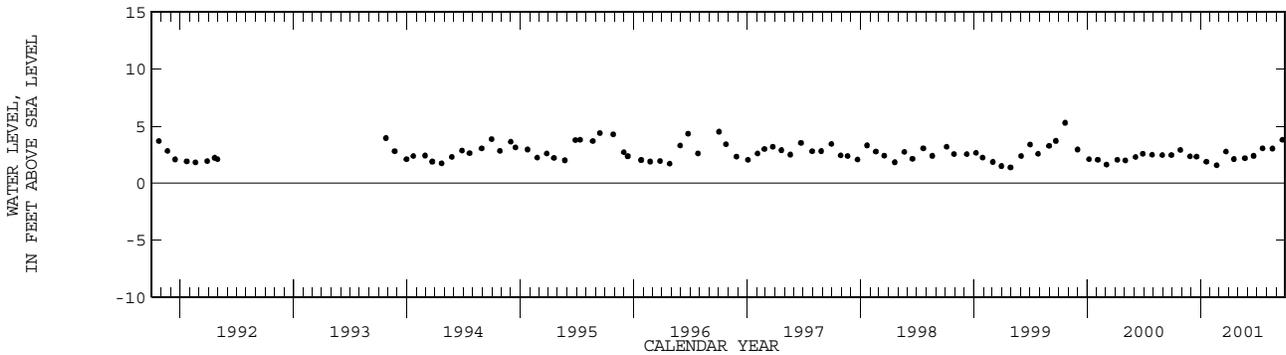
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to October 1977 (semiannual), March 1979 to April 1992 (intermittent), October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.28 ft NGVD, Oct. 22, 1999; lowest, 0.00 ft NGVD, Mar. 9, 1979.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	0947	756	80.0	2.90	APR 18...	1008	821	100	2.10
NOV 27...	0959	--	--	2.34	MAY 23...	1146	--	--	2.18
DEC 18...	1306	--	--	2.31	JUN 20...	1149	--	--	2.38
JAN 19...	1004	791	92.0	1.86	JUL 19...	0914	848	100	3.04
FEB 21...	1229	--	--	1.56	AUG 20...	1213	--	--	3.02
MAR 23...	1140	--	--	2.76	SEP 21...	1259	--	--	3.78



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260804080092701. Local Number G 2899. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°08'05", long 80°09'38", in NW ¼ NE ¼ sec.4, T.50 S., R.42 E., Hydrologic Unit 03090202, at southeast corner of Joseph Carter Center, 705 ft south of Sunrise Boulevard and 0.5 mi east of I-95.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 125 ft, cased to 115 ft, screened 115 to 125 ft.

INSTRUMENTATION.-- Quarterly measurement with chalked tape. See REMARKS.

DATUM.--Land-surface datum is 5.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

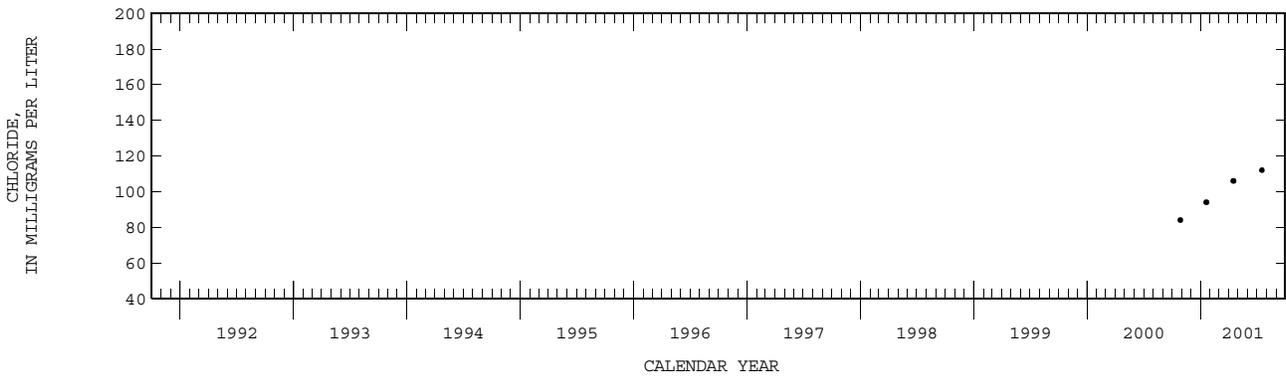
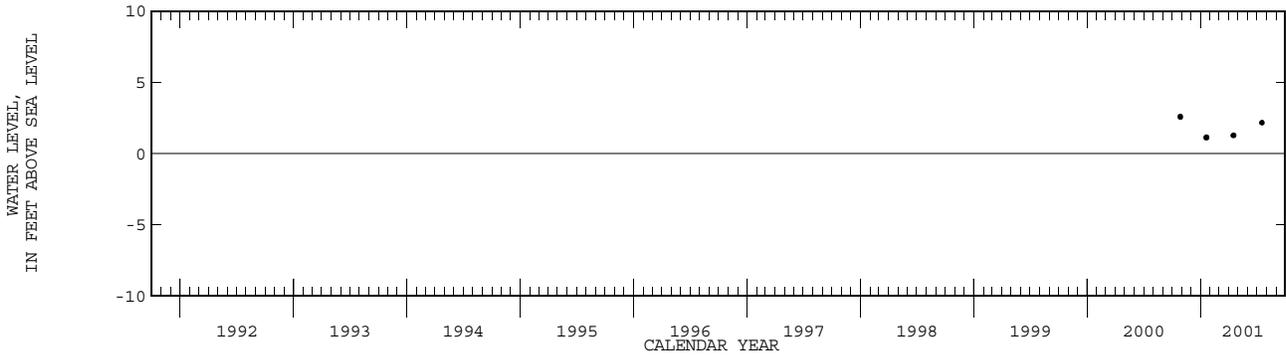
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in front of this book. Quarterly water-level measurements began in October 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.59 ft NGVD, Oct. 27, 2000; lowest, 1.14 ft NGVD, Jan. 19, 2001.

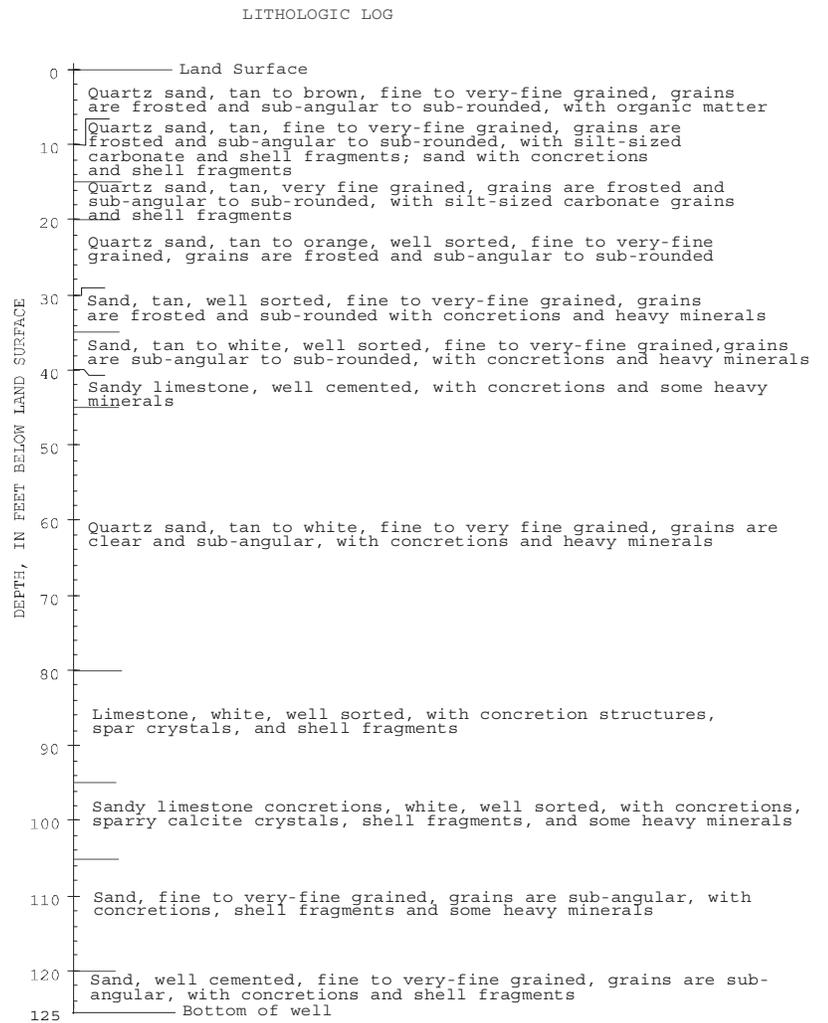
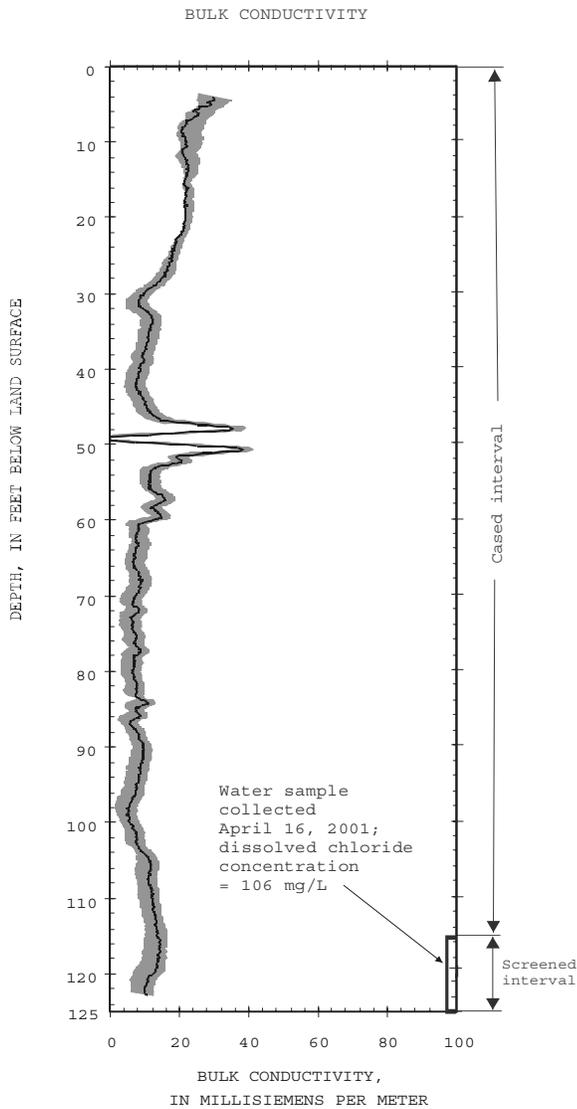
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 27...	1050	710	84.0	2.59	APR 16...	1139	747	106	1.28
JAN 19...	0939	639	94.0	1.14	JUL 17...	1014	766	112	2.18



BROWARD COUNTY--Continued

WELL NUMBER.--260804080092701. Local Number G 2899. USGS Observation Well near Fort Lauderdale, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 16, 2001
- Shaded area represents range in bulk conductivity logs collected April 19, 2000 and August 29, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--260821080185101. Local Number G 2032. USGS Observation Well in Plantation, FL.

LOCATION.--Lat 26°08'21", long 80°18'51", in SW ¼ SW ¼ sec.36, T.49 S., R.40 E., Hydrologic Unit 03090202, at northeast corner of NW 12th Street and Flamingo Road, 1.6 mi north of North New River Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 5.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum.

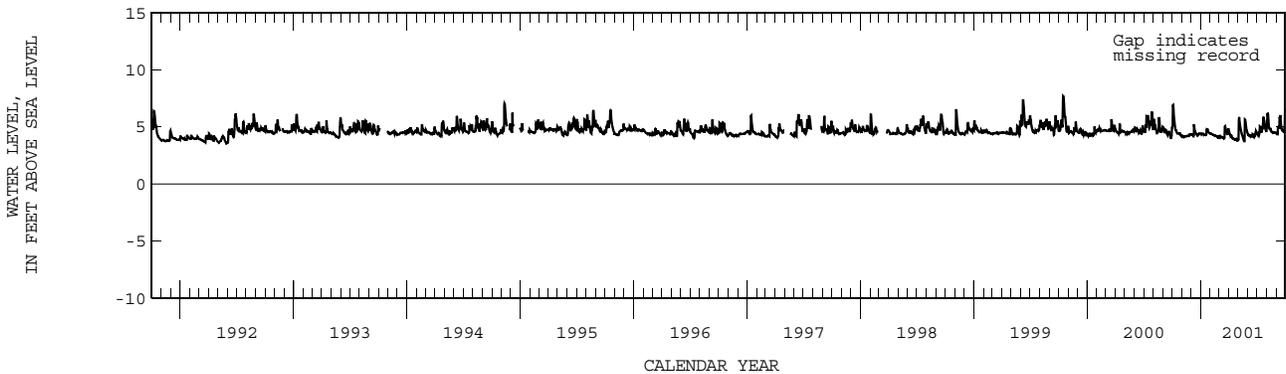
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.71 ft NGVD, Oct. 15, 1999; lowest, 2.85 ft NGVD, May 7, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.60	4.17	4.34	4.43	4.39	4.23	4.26	5.63	4.24	4.24	6.24	4.46
10	4.95	4.17	5.25	4.32	4.31	4.08	4.22	4.67	4.19	5.04	4.88	4.82
15	4.53	4.18	4.51	4.35	4.25	4.02	4.00	4.16	4.09	4.71	4.67	5.78
20	4.44	4.23	4.25	4.76	4.19	5.06	3.87	3.82	4.11	5.34	4.55	4.71
25	4.45	4.33	4.41	4.62	4.13	4.52	3.88	5.47	4.36	5.16	4.51	4.60
EOM	4.18	4.34	4.41	4.42	4.09	4.76	3.80	4.48	4.55	4.57	4.46	6.25
MAX	6.93	4.37	5.25	4.80	4.42	5.06	4.70	5.87	4.69	5.82	6.24	6.61



BROWARD COUNTY--Continued

WELL NUMBER.--260920080092201. Local Number G 2898. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°09'23", long 80°09'21", in NE ¼ SE ¼ sec.28, T.49 S., R.42 E., Hydrologic Unit 03090202, 0.55 mi south of Oakland Park Boulevard (SR 816), 0.01 mi west of Powerline Road (SR 845) at entrance to Mills Pond Park, 27 ft east of parking lot.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 157 ft. cased to 109.2 ft.

INSTRUMENTATION.--Monthly measurement with chalk tape. See REMARKS.

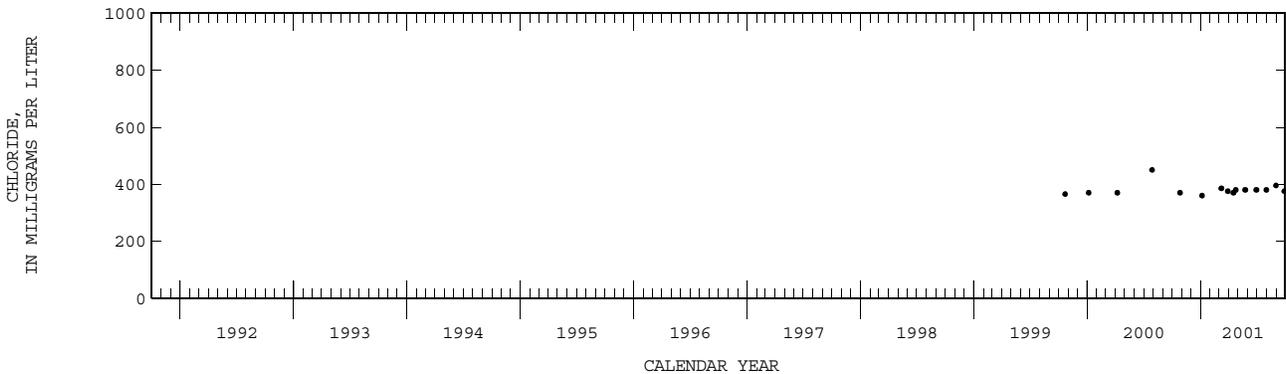
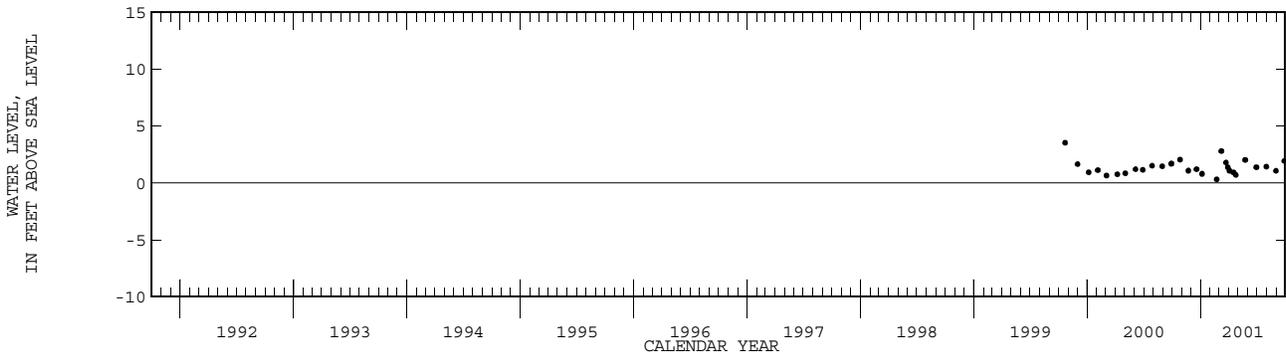
DATUM.--Land-surface datum is 5.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.23 ft above land-surface datum. Prior to February 21, 2001, the measuring point was considered to be 5.20 ft NGVD, top of casing, see REMARKS. REMARKS--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Continuous water-level and conductivity data were collected from March 2001 through the end of the water year as part of an investigative project. Data are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--October 1999 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.53 ft NGVD, Oct. 22, 1999; lowest, 0.32 ft NGVD, Feb. 21, 2001.

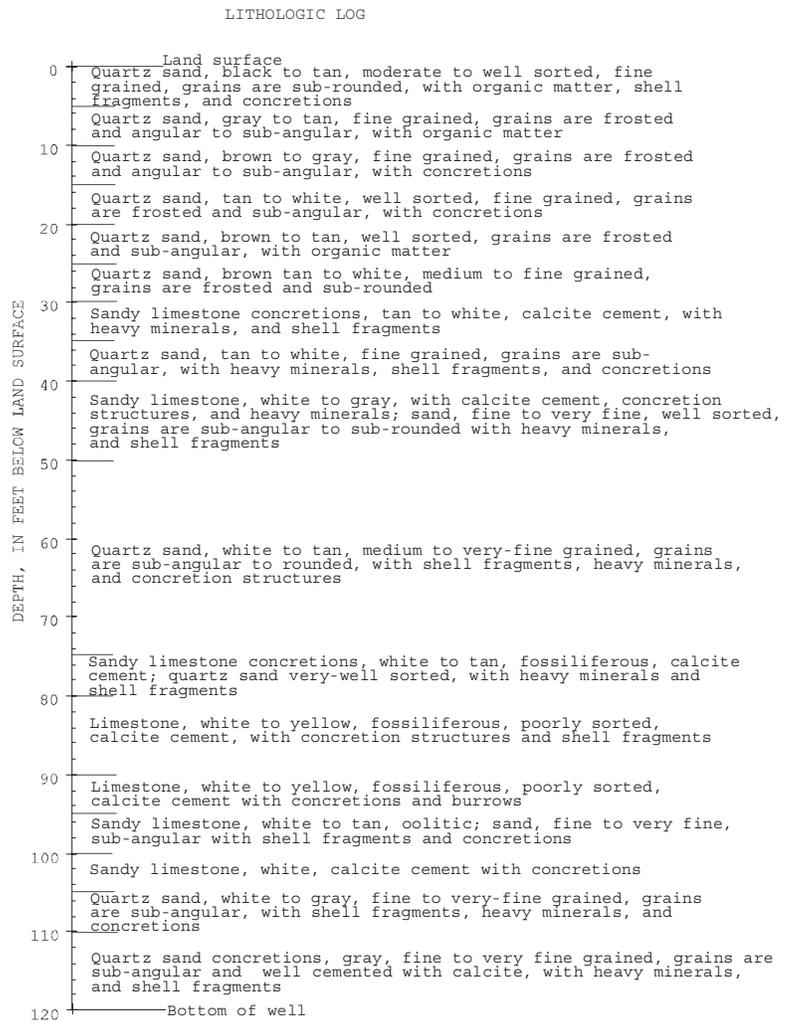
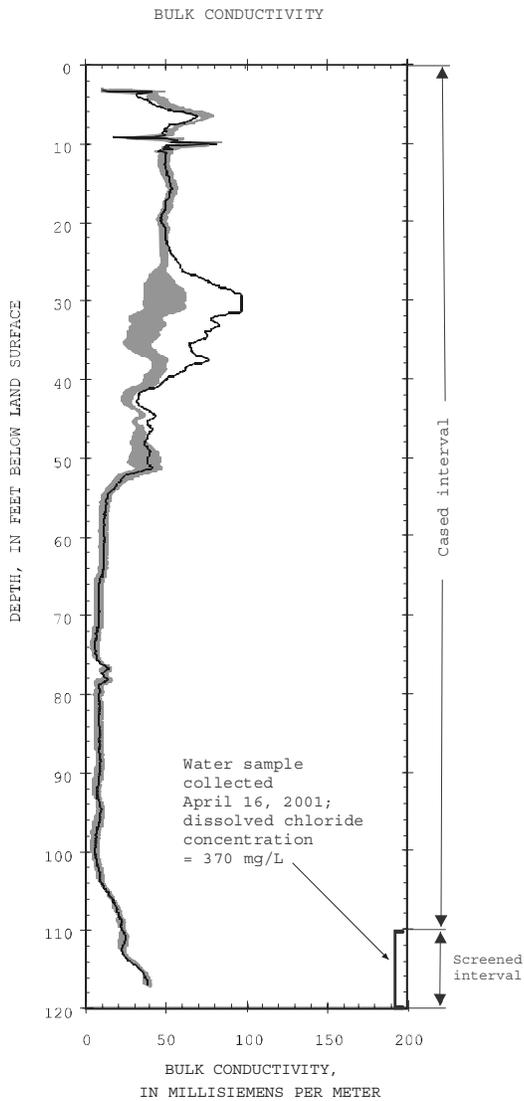
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
26...	1348	1630	370	2.05	03...	0950	--	--	1.08
NOV					16...	0830	1620	370	.92
22...	1310	--	--	1.08	24...	1053	1610	380	.70
DEC					MAY				
18...	1237	--	--	1.20	24...	1018	1640	380	2.02
JAN					JUN				
05...	1054	1580	360	.80	29...	1241	1710	380	1.38
FEB					JUL				
21...	1130	--	--	.32	31...	1355	1670	380	1.42
MAR					AUG				
08...	1211	1600	385	2.79	31...	1316	1710	395	1.06
23...	0920	--	--	1.79	SEP				
29...	0856	1600	375	1.37	27...	1258	1620	375	1.93



BROWARD COUNTY--Continued

WELL NUMBER.--260920080092201. Local Number G 2898. USGS Observation Well near Fort Lauderdale, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

BROWARD COUNTY--Continued

WELL NUMBER.--261018080091101. Local Number G 2180. USGS Observation Well in Oakland Park, FL.

LOCATION.--Lat 26°10'18", long 80°09'11", in SE ¼ SW ¼ NW ¼ sec.22, T.49 S., R.42 E., Hydrologic Unit 03090202, on the northeast corner of Lloyd Street and NW 36th Street in lawn, 6 in. south of white fence.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 106 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

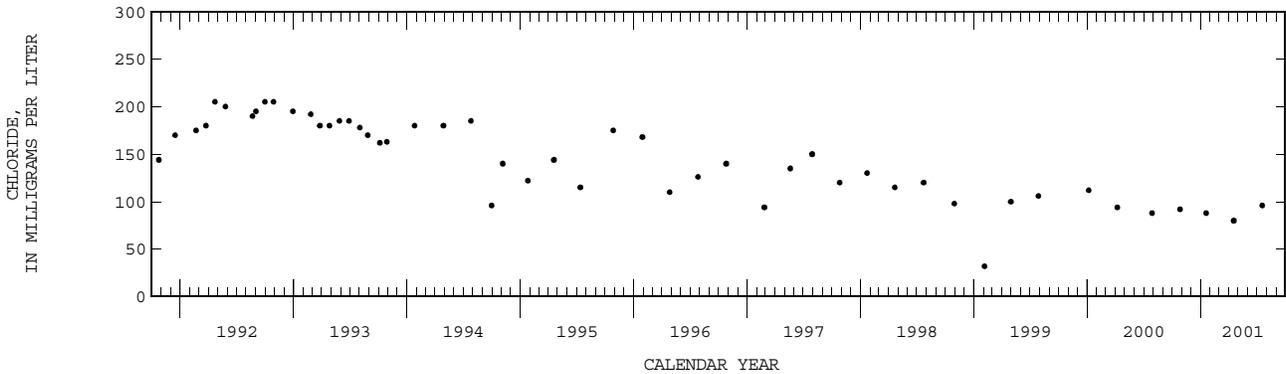
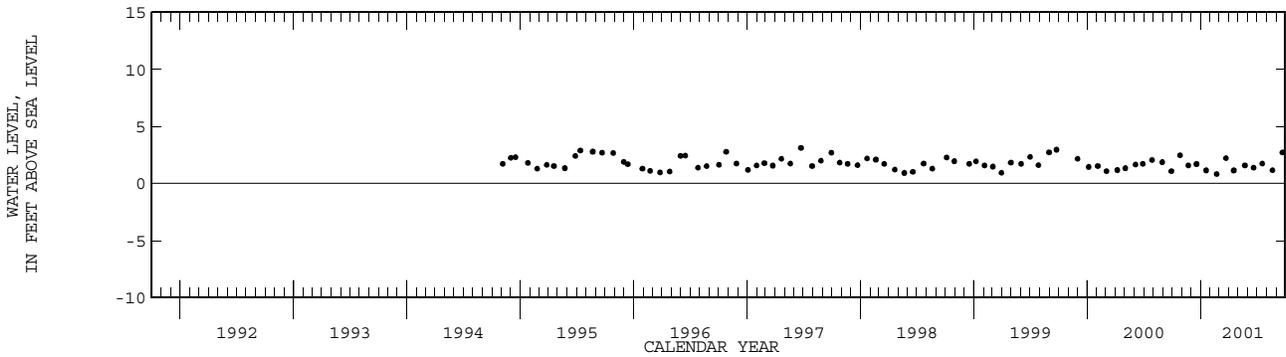
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.12 ft NGVD, June 23, 1997; lowest, 0.82 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1240	761	92.0	2.47	APR 17...	1425	662	80.0	1.14
NOV 22...	1246	--	--	1.58	MAY 23...	1125	--	--	1.58
DEC 18...	1125	--	--	1.70	JUN 20...	1132	--	--	1.38
JAN 18...	1121	712	88.0	1.14	JUL 18...	1443	777	96.0	1.74
FEB 21...	1102	--	--	.82	AUG 20...	1152	--	--	1.15
MAR 23...	1119	--	--	2.21	SEP 21...	1240	--	--	2.72



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261026080100201. Local Number G 2091. USGS Observation Well in Oakland Park, FL.

LOCATION.--Lat 26°10'26", long 80°09'55", in SE ¼ SW ¼ NW ¼ sec.21, T.49 S., R.42 E., Hydrologic Unit 03090202, at the southwest corner of NW 17th Avenue and NW 39th Street, 6.5 ft from edge of NW 39th Street.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 124 ft, cased to 124 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

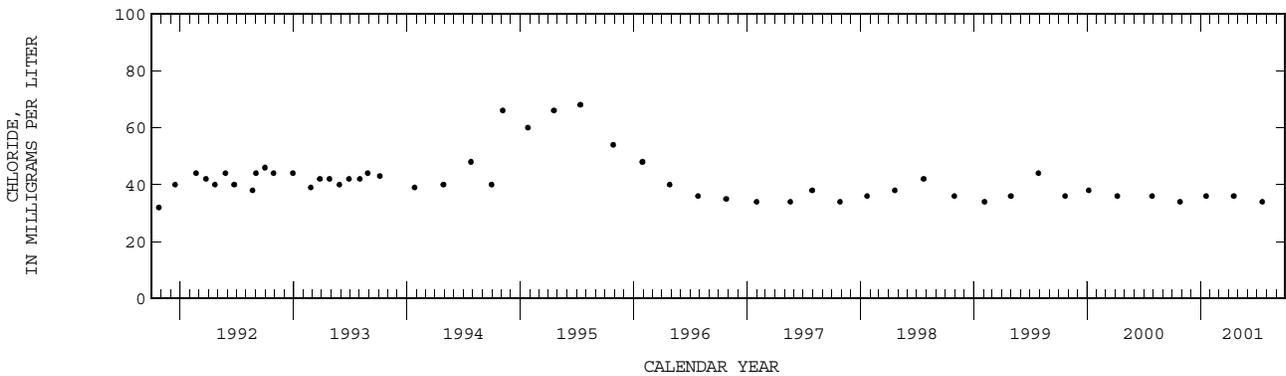
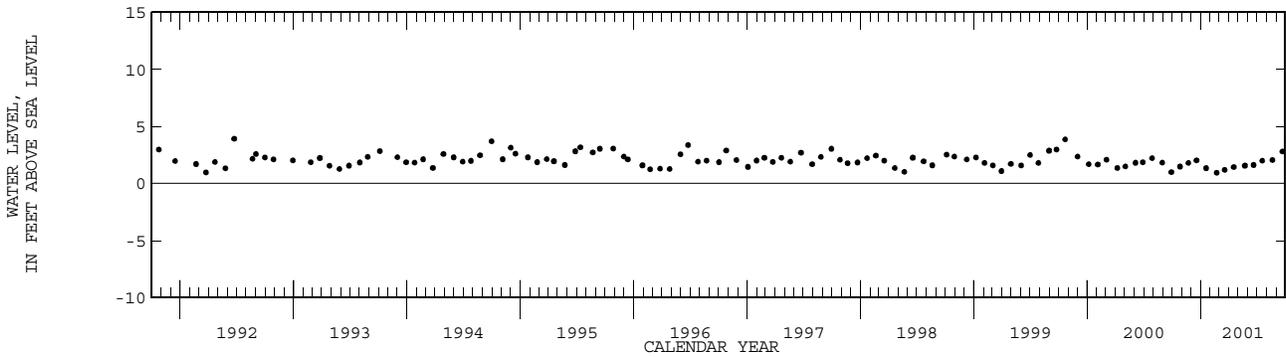
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--January 1986 to August 1993 (intermittent), October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.91 ft NGVD, June 23, 1992; lowest, 0.34 ft NGVD, Dec. 29, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1228	539	34.0	1.48	APR 17...	1347	558	36.0	1.43
NOV 22...	1225	--	--	1.80	MAY 23...	1110	--	--	1.56
DEC 18...	1159	--	--	2.02	JUN 20...	1115	--	--	1.62
JAN 18...	0952	523	36.0	1.34	JUL 18...	1350	581	34.0	1.99
FEB 21...	1108	--	--	.94	AUG 20...	1138	--	--	2.06
MAR 19...	1114	--	--	1.19	SEP 21...	1133	--	--	2.80



BROWARD COUNTY--Continued

WELL NUMBER.--261026080100701. Local Number G 1347. USGS Observation Well in Oakland Park, FL.

LOCATION.--Lat 26°10'32", long 80°10'04", in NW ¼ SW ¼ SE ¼ sec.21, T.49 S., R.42 E., Hydrologic Unit 03090202, in cul-de-sac in driveway of corner of Northwest 18th Avenue and Northwest 39th Place.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.  
 WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.0 in., depth 200 ft, cased to 177 ft.  
 INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 4.55 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

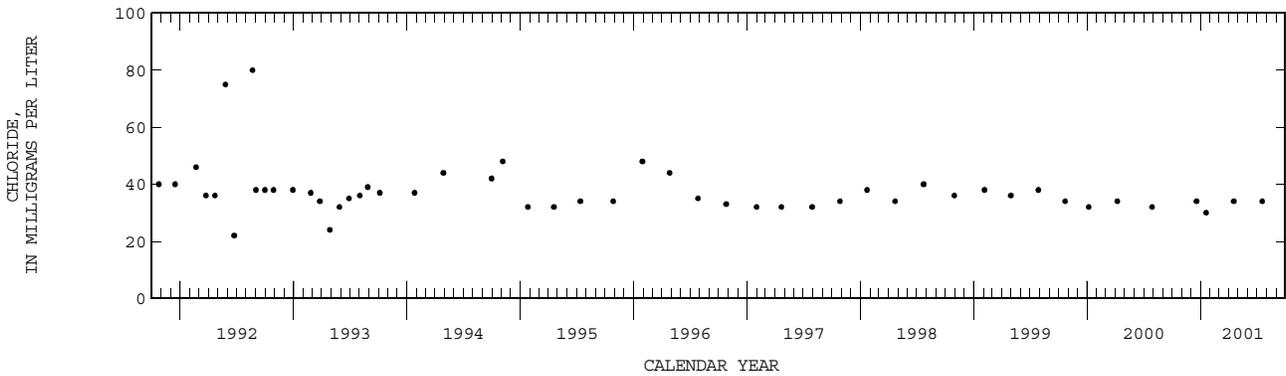
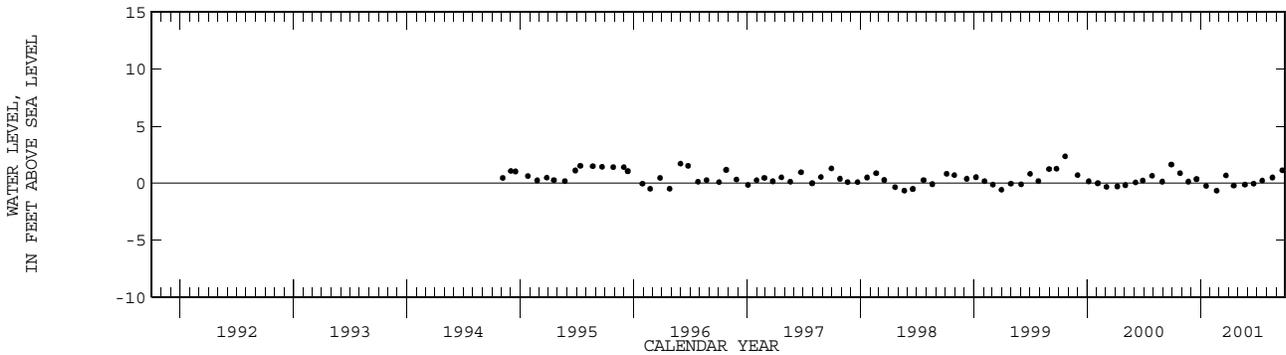
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.34 ft NGVD, Oct. 22, 1999; lowest, 0.68 ft below NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1225	--	--	.86	APR 17...	1332	589	34.0	-0.23
NOV 22...	1230	--	--	.12	MAY 23...	1116	--	--	-0.15
DEC 18...	1206	553	34.0	.34	JUN 20...	1119	--	--	-0.06
JAN 18...	1012	574	30.0	-0.26	JUL 18...	1406	605	34.0	.21
FEB 21...	1112	--	--	-0.68	AUG 20...	1142	--	--	.48
MAR 23...	1109	--	--	.66	SEP 21...	1137	--	--	1.12



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261030080083301. Local Number G 2897. USGS Observation Well near Oakland Park, FL.

LOCATION.--Lat 26°10'30", long 80°08'33", in SE ¼ NE ¼ sec.22, T.49 S., R.42 E., Hydrologic Unit 03090202, 16 ft from edge of NE 3rd Avenue parking lot at Collins Community Center.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 135.5 ft, cased to 125.5 ft, screened 125.5 to 135.5 ft.

INSTRUMENTATION.--Quarterly measurements with chalked tape. See REMARKS.

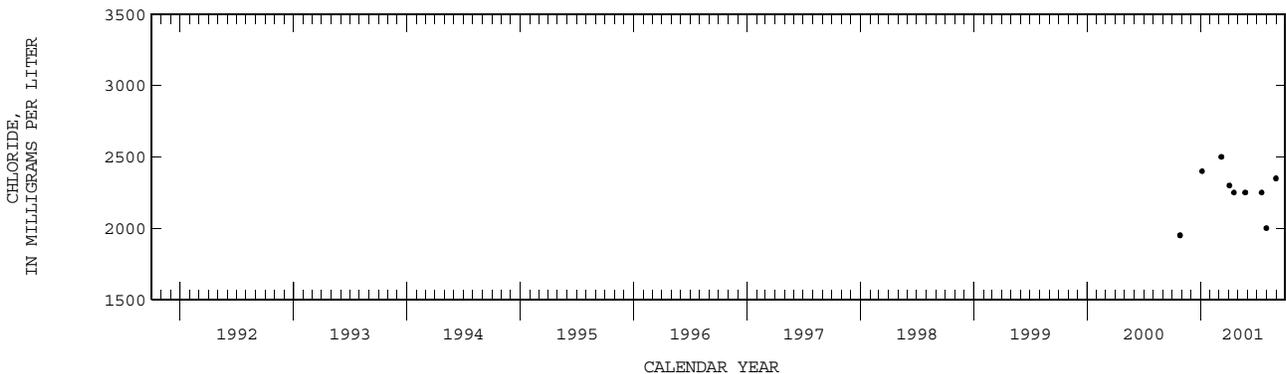
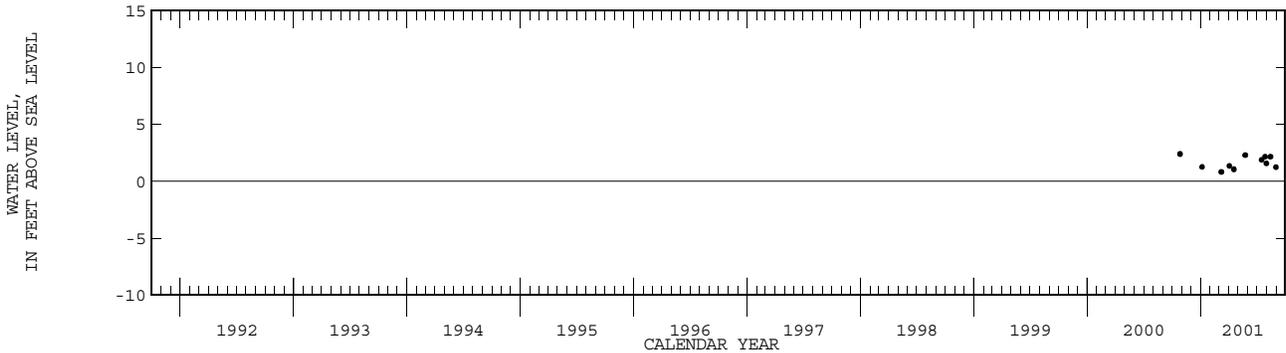
DATUM.--Land-surface datum is 6.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Quarterly water-level measurements began in October, 2000. Continuous water-level and conductivity data were collected from March, 2001 through the end of the water year as part of an investigative project. Data are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS. EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.39 ft NGVD, Oct. 26, 2000; lowest, 0.82 ft NGVD, Mar. 8, 2001.

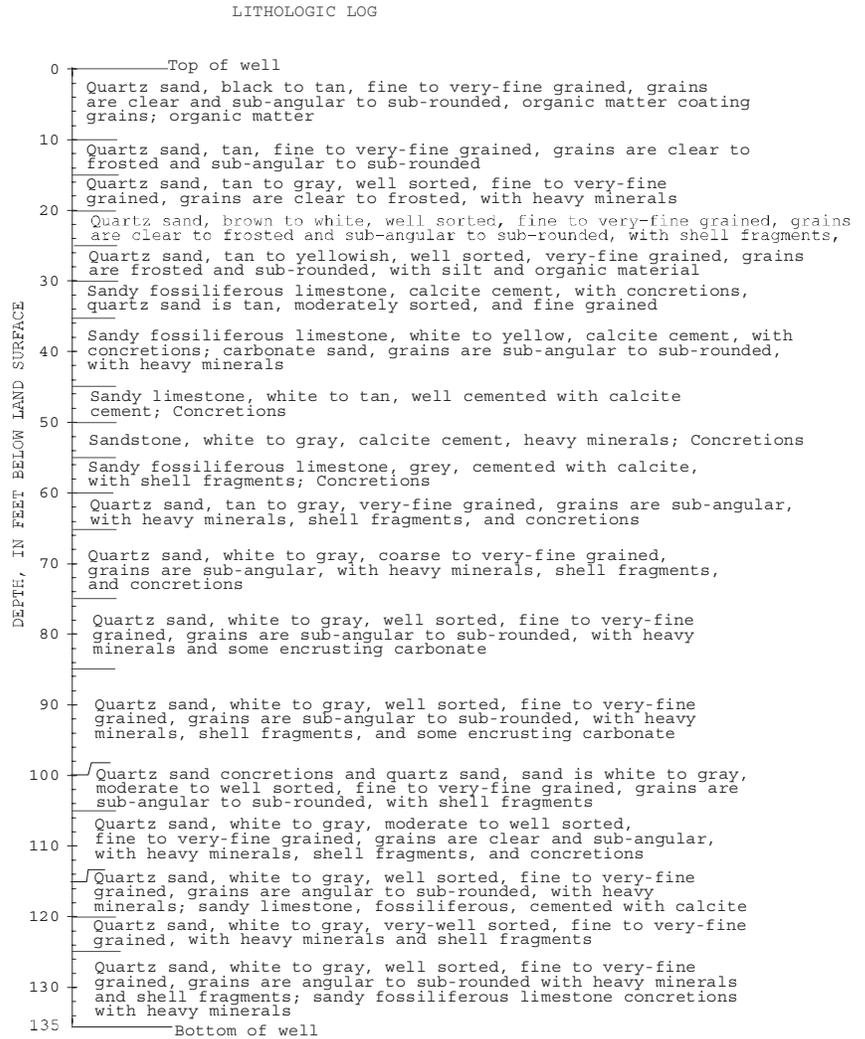
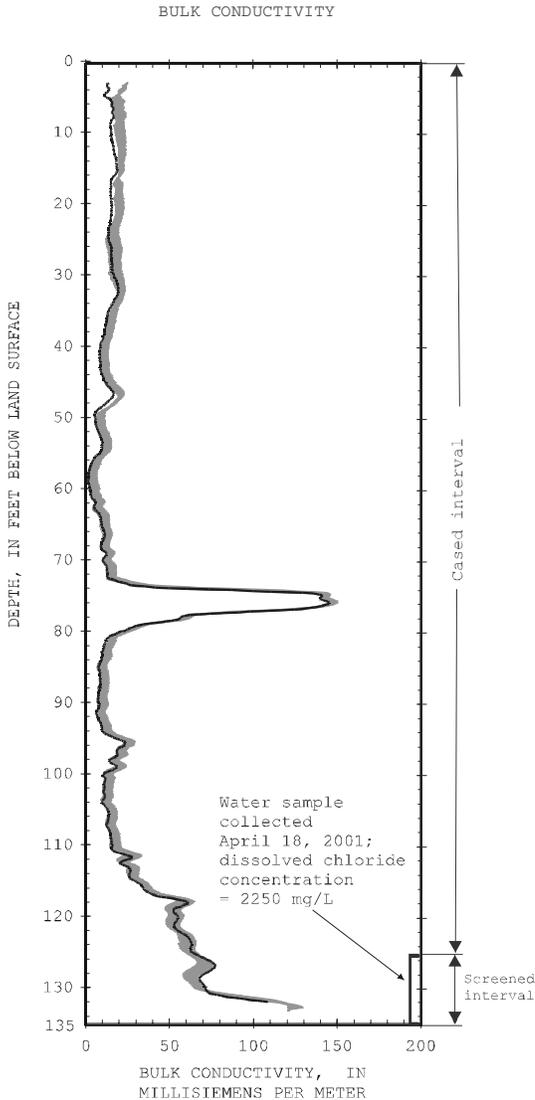
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					JUL				
26...	1320	7490	1950	2.39	16...	1128	7320	2250	1.88
JAN					27...	1032	--	--	2.15
05...	0956	7190	2400	1.26	31...	1034	7120	2000	1.57
MAR					AUG				
08...	0852	7200	2500	.82	13...	1636	--	--	2.15
APR					31...	1056	7320	2350	1.24
03...	1149	6790	2300	1.34	SEP				
18...	1105	7040	2250	1.05	27...	1226	--	--	--
MAY									
24...	0803	7010	2250	2.29					



BROWARD COUNTY--Continued

WELL NUMBER.--261030080083301. Local Number G 2897. USGS Observation Well near Oakland Park, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 18, 2001

Shaded area represents range in bulk conductivity logs collected April 19, 2000 and August 29, 2000

[ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261045080093501. Local Number G 2900. USGS Observation Well in Oakland Park, FL.

LOCATION.--Lat 26°10'45", long 80°09'36", in SE ¼ SW ¼ NW ¼ sec.21, T.49 S., R.42 E., Hydrologic Unit 03090202, at the southeast corner of intersection of NW 42nd Court and NW 12th Avenue, in Royal Palm Isles.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3.0 in., depth 101 ft, cased to 101 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.93 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

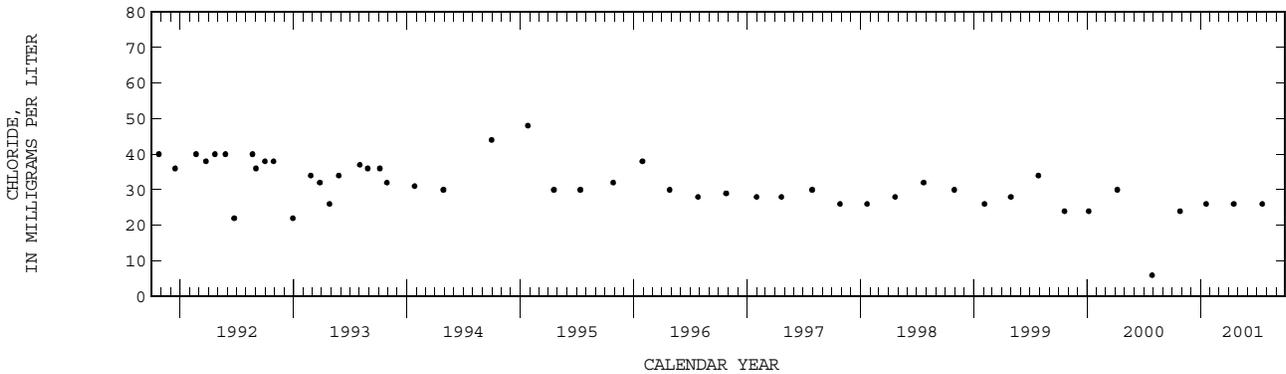
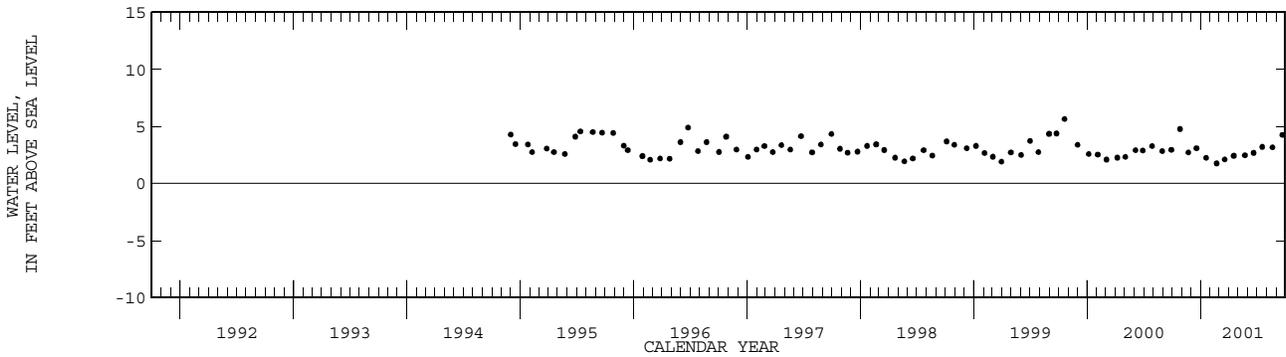
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--October 1974 to September 1994 (intermittent), December 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.64 ft NGVD, Oct. 22, 1999; lowest, 1.76 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1148	497	24.0	4.77	APR 17...	1223	500	26.0	2.43
NOV 22...	1200	--	--	2.71	MAY 23...	1058	--	--	2.46
DEC 18...	1115	--	--	3.09	JUN 20...	1107	--	--	2.68
JAN 18...	0907	507	26.0	2.24	JUL 18...	1247	531	26.0	3.21
FEB 21...	1050	--	--	1.76	AUG 20...	1132	--	--	3.17
MAR 19...	1102	--	--	2.10	SEP 21...	1116	--	--	4.26



BROWARD COUNTY--Continued

WELL NUMBER.--261100080140401. Local Number G 1212. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°10'59", long 80°09'04", in SW ¼ SE ¼ NW ¼ sec.15, T.49 S., R.42 E., Hydrologic Unit 03090202, at the northeast intersection of NW 46th Street and NW 5th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3.0 in., depth 223 ft, cased to 221 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.32 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

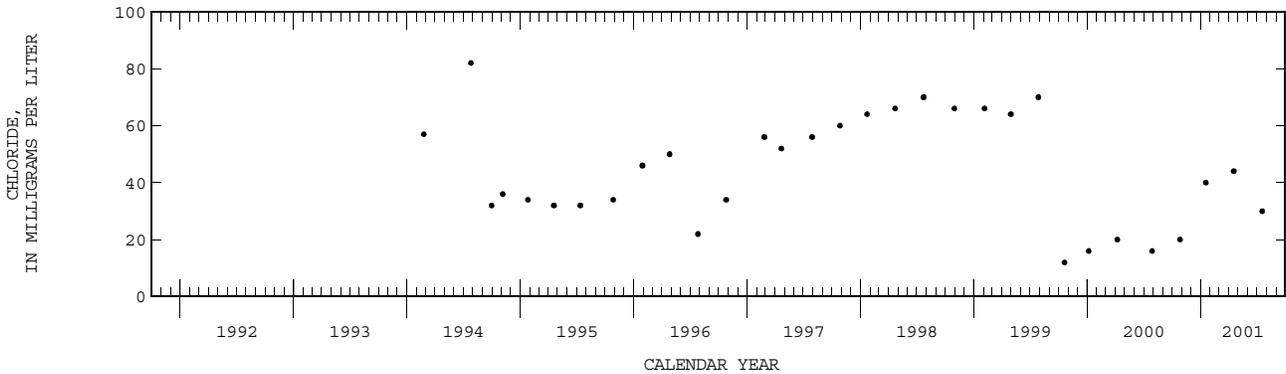
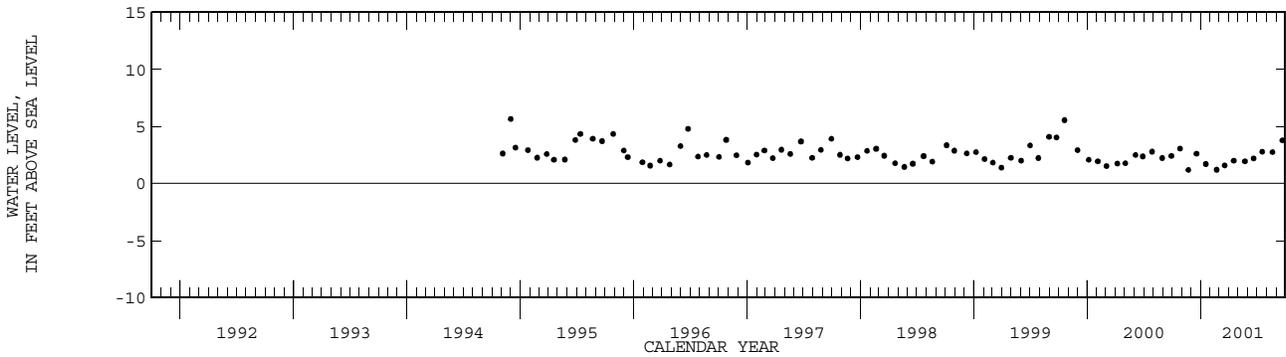
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--March 1972 to March 1978 (intermittent), November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.66 ft NGVD, Dec. 1, 1994; lowest, 1.18 ft NGVD, Nov. 22, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1130	510	20.0	3.06	APR 17...	1210	471	44.0	1.99
NOV 22...	1151	--	--	1.18	MAY 23...	1042	--	--	1.94
DEC 18...	1105	--	--	2.60	JUN 20...	1057	--	--	2.20
JAN 17...	1456	508	40.0	1.70	JUL 18...	1226	533	30.0	2.78
FEB 21...	1040	--	--	1.20	AUG 20...	1122	--	--	2.74
MAR 19...	1042	--	--	1.58	SEP 21...	1107	--	--	3.78



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261100080140402. Local Number G 1212A. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°10'59", long 80°09'04", in SW 1/4 SE 1/4 NW 1/4 sec.15, T.49 S., R.42 E., Hydrologic Unit 03090202, at the northeast intersection of NW 46th Street and NW 5th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 84 ft, cased to 83 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.34 ft below land-surface datum.

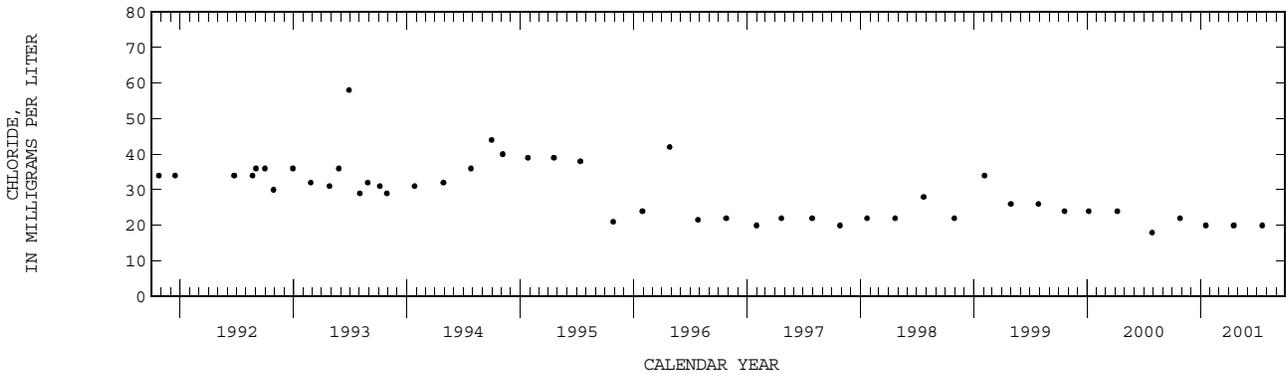
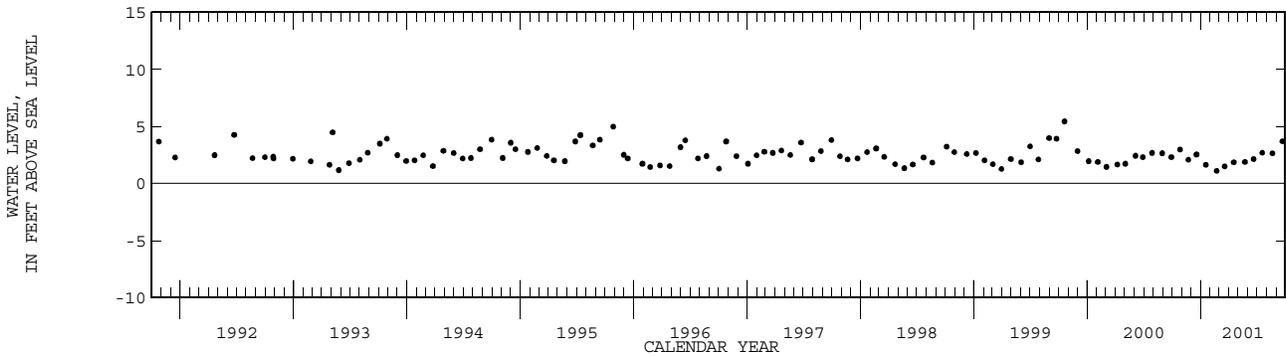
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--October 1985 to August 1993 (intermittent), October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.44 ft NGVD, Oct. 20, 1999; lowest, 1.10 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1140	536	22.0	2.98	APR 17...	1152	523	20.0	1.85
NOV 22...	1146	--	--	2.08	MAY 23...	1040	--	--	1.88
DEC 18...	1101	--	--	2.54	JUN 20...	1055	--	--	2.14
JAN 17...	1446	523	20.0	1.64	JUL 18...	1222	543	20.0	2.69
FEB 21...	1041	--	--	1.10	AUG 20...	1120	--	--	2.64
MAR 19...	1036	--	--	1.50	SEP 21...	1105	--	--	3.70



BROWARD COUNTY--Continued

WELL NUMBER.--261112080121401. Local Number G 2108. USGS Observation Well Near Fort Lauderdale, FL.

LOCATION.--Lat 26°11'12", long 80°12'14", in SE ¼ SE ¼ NW ¼ sec.15, T.49 S., R.42 E., Hydrologic Unit 03090202, 12.4 ft north of centerline of NW 51st Court and approximately 1200 ft east of North Andrews Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 55 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

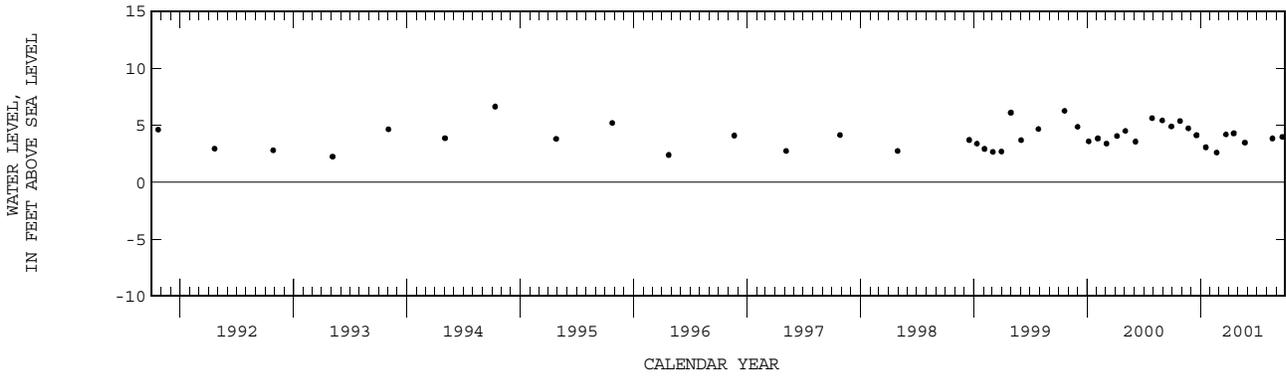
DATUM.--Land-surface datum is 7.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--October 1975 to April 1998 (semiannual), December 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.63 ft NGVD, Oct. 12, 1994; lowest, 1.86 ft NGVD, May 16, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
26...	1131	5.37	23...	1035	4.18
NOV			APR		
22...	1122	4.73	17...	1118	4.29
DEC			MAY		
18...	1047	4.12	23...	1027	3.47
JAN			AUG		
17...	1416	3.06	20...	1109	3.84
FEB			SEP		
21...	1022	2.60	21...	1051	3.97



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261122080083401. Local Number G 1232. USGS Observation Well in Fort Lauderdale, FL.

LOCATION.--Lat 26°11'21", long 80°08'49", in SE 1/4 SW 1/4 NE 1/4 sec.15, T.49 S., R.42 E., Hydrologic Unit 03090202, 30 ft northwest from intersection at NE 1st Avenue and NE 51st Street in Brentwood Estates.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation water-table well, diameter 2 in., depth 205 ft, cased to 203 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.31 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

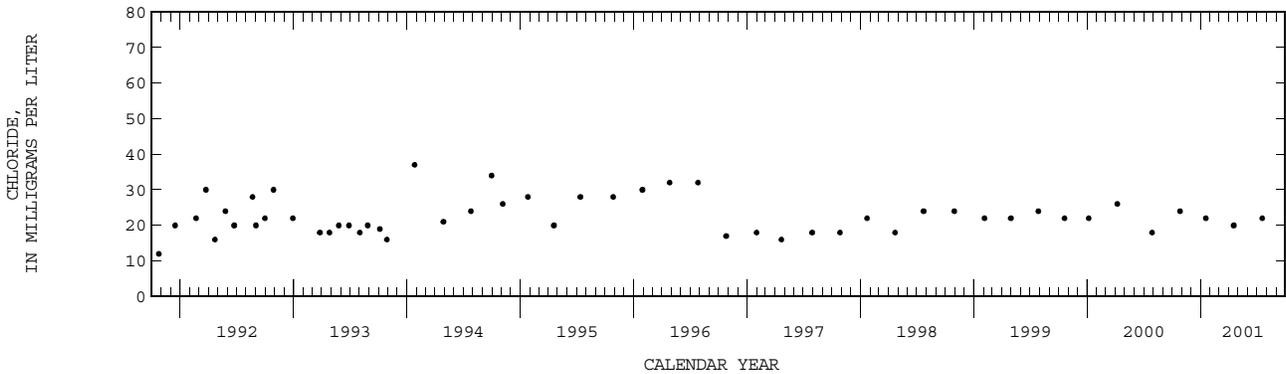
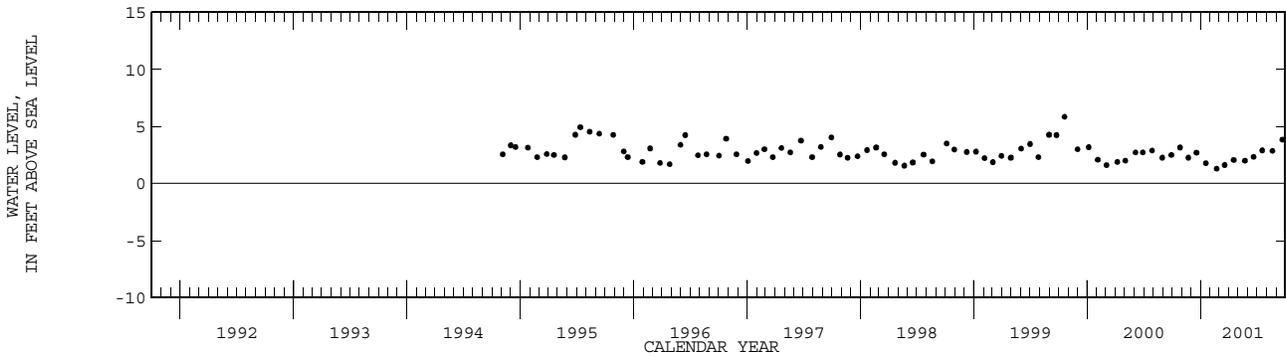
REMARKS.--Well also used for salinity monitoring, since 1964.

PERIOD OF RECORD.--November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.84 ft NGVD, Oct. 20, 1999; lowest, 1.30 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1123	383	24.0	3.15	APR 17...	1128	377	20.0	2.06
NOV 22...	1130	--	--	2.26	MAY 23...	1033	--	--	1.99
DEC 18...	1052	--	--	2.70	JUN 20...	1050	--	--	2.33
JAN 17...	1425	372	22.0	1.78	JUL 18...	1204	393	22.0	2.90
FEB 21...	1028	--	--	1.30	AUG 20...	1116	--	--	2.86
MAR 19...	1030	--	--	1.62	SEP 21...	1100	--	--	3.84



BROWARD COUNTY--Continued

WELL NUMBER.--261141080163401. Local Number G 2033. USGS Observation Well in Tamarac, FL.

LOCATION.--Lat 26°11'41", long 80°16'34", in SW ¼ SW ¼ SE ¼ sec.8, T.49 S., R.41 E., Hydrologic Unit 03090202, on east side of NW 94th Avenue, 0.1 mi north of Commercial Boulevard, 5.0 mi west of U.S. 441, and 11.0 mi west of Pompano Beach.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 23 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 10.47 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1986, land-surface datum was considered to be 11.70 ft NGVD. See REMARKS. Measuring point: Top of base, 2.59 ft above land-surface datum.

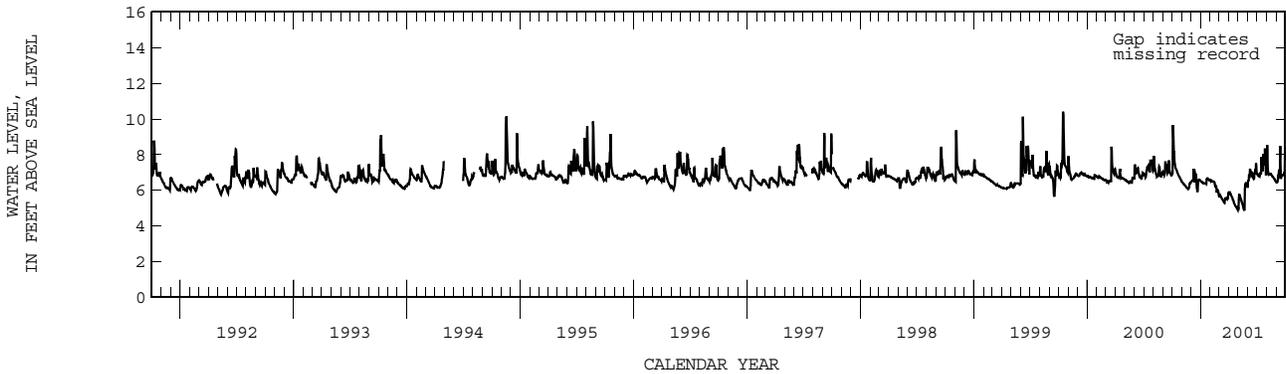
REMARKS.--The figures for water levels as elevation in feet NGVD prior to October 1, 1986 are in error. Corrected records are in files of Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1972 to October 1980, February 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.41 ft NGVD, Oct. 15, 1999; lowest, 4.85 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.60	6.41	6.55	6.45	6.53	5.72	5.82	5.74	6.84	6.86	7.05	6.48
10	7.38	6.29	7.13	6.39	6.50	5.54	5.69	5.47	7.05	7.00	6.91	7.05
15	7.10	6.19	6.90	6.38	6.30	5.39	5.46	5.20	6.79	7.86	6.92	7.13
20	6.88	6.08	6.07	6.62	6.04	5.52	5.22	4.94	6.63	7.65	6.76	6.82
25	6.72	6.31	6.58	6.62	5.96	5.56	5.06	6.37	7.18	7.39	6.66	6.86
EOM	6.51	6.45	6.53	6.54	5.74	5.83	4.90	6.14	6.96	6.90	6.48	7.68
MAX	9.65	6.48	7.14	6.67	6.54	5.83	5.88	6.39	7.51	8.34	8.54	8.48



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261143080082901. Local Number G 1340. USGS Observation Well in Fort Lauderdale, FL.

LOCATION.--Lat 26°11'43", long 80°08'29", NE ¼ NE ¼ NW ¼ sec.15, T.49 S., R.42 E., Hydrologic Unit 03090902, on northwest corner of NE 55th Street and NE 4th Avenue in Brentwood Estates.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 217 ft, cased to 214 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.63 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

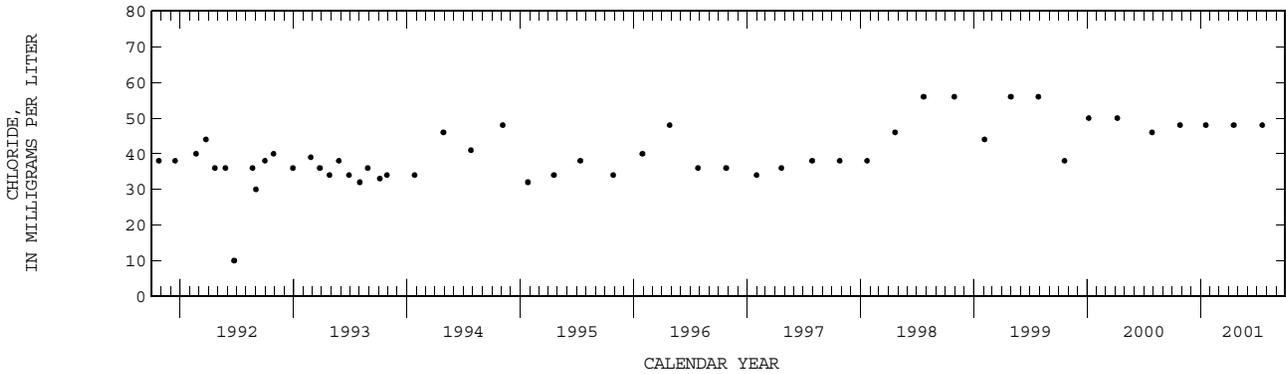
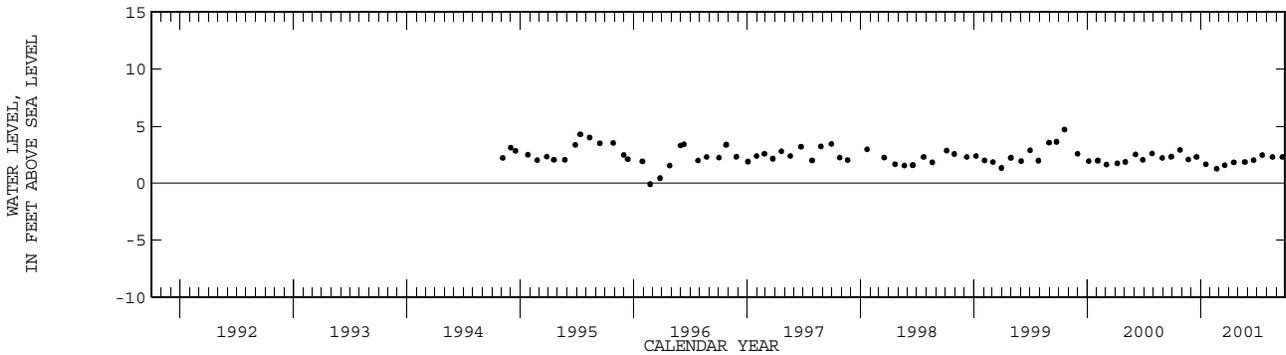
REMARKS.--Well also used for salinity monitoring since 1968.

PERIOD OF RECORD.--November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.69 ft NGVD, Oct. 20, 1999; lowest, 0.10 ft below NGVD, Feb. 23, 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1112	557	48.0	2.89	APR 17...	1100	553	48.0	1.80
NOV 22...	1109	--	--	2.05	MAY 23...	1020	--	--	1.84
DEC 18...	1036	--	--	2.28	JUN 20...	1040	--	--	2.00
JAN 17...	1354	526	48.0	1.64	JUL 18...	1142	565	48.0	2.45
FEB 21...	1015	--	--	1.24	AUG 20...	1047	--	--	2.28
MAR 19...	1015	--	--	1.55	SEP 21...	1045	--	--	2.28



BROWARD COUNTY--Continued

WELL NUMBER.--261147080114501. Local Number G 2395. USGS Observation Well near Lauderdale Lakes, FL.

LOCATION.--Lat 26°11'47", long 80°11'45", in SE ¼ SE ¼ SW ¼ sec.7, T.49 S., R.42 E., Hydrologic Unit 03090202, 0.25 mi north of Prospect Road and 0.75 mi east of US 441.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 73.0 ft, cased to 71 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Land-surface datum is 9.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.42 ft above land-surface datum.

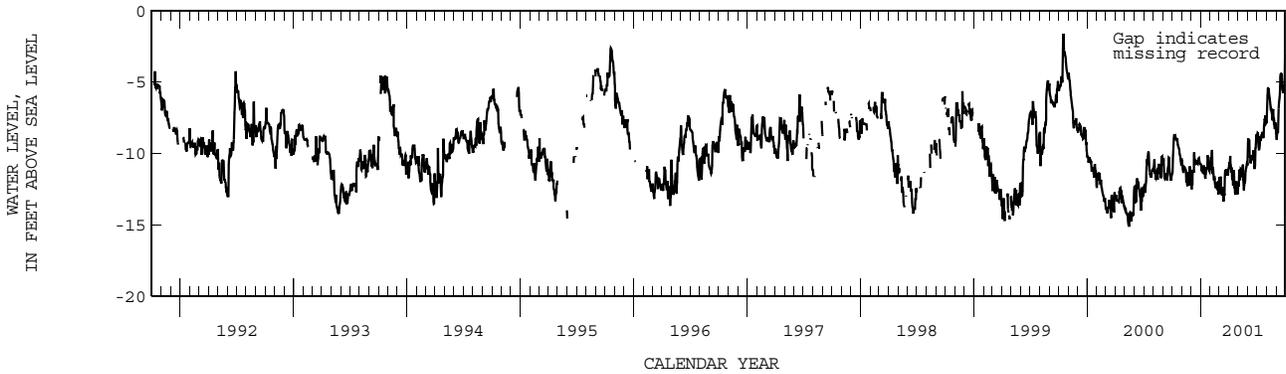
REMARKS.--Water levels affected by municipal pumping.

PERIOD OF RECORD.--February 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 1.60 ft below NGVD, Oct. 16, 1999; lowest, 15.13 ft below NGVD, May 14, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-9.37	-11.22	-11.31	-10.91	-10.01	-12.44	-10.17	-11.14	-9.09	-9.24	-5.45	-8.53
10	-8.92	-10.95	-10.14	-10.84	-11.26	-12.92	-10.99	-11.09	-10.68	-9.32	-6.00	-6.26
15	-9.06	-11.97	-10.58	-11.78	-12.12	-13.37	-12.25	-10.92	-10.36	-8.72	-6.83	-4.48
20	-9.51	-11.83	-10.69	-10.96	-12.09	-11.24	-12.35	-12.58	-10.10	-8.93	-7.68	-5.16
25	-10.12	-11.22	-10.34	-10.31	-12.58	-11.52	-11.94	-11.28	-9.90	-7.57	-7.73	-5.41
EOM	-10.46	-12.02	-10.75	-11.04	-11.98	-11.03	-12.86	-10.84	-8.66	-7.83	-8.54	-3.03
MAX	-8.66	-10.45	-9.91	-10.13	-9.75	-11.03	-10.17	-10.67	-8.66	-7.31	-5.42	-3.03



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261207080103701. Local Number G 2433. USGS Observation Well near Lauderdale Lakes, FL.

LOCATION.--26°12'07", long 80°10'37", in NE ¼ NE ¼ SW ¼ sec.8 T.49 S., R.42 E., Hydrologic Unit 03090202, on north side of Fort Lauderdale Executive Airport, 40 ft south of sidewalk on south side of NW 62nd Street, and 0.7 mi east of NW 31st Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 59 ft cased to 39 ft, open hole 39 to 59 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

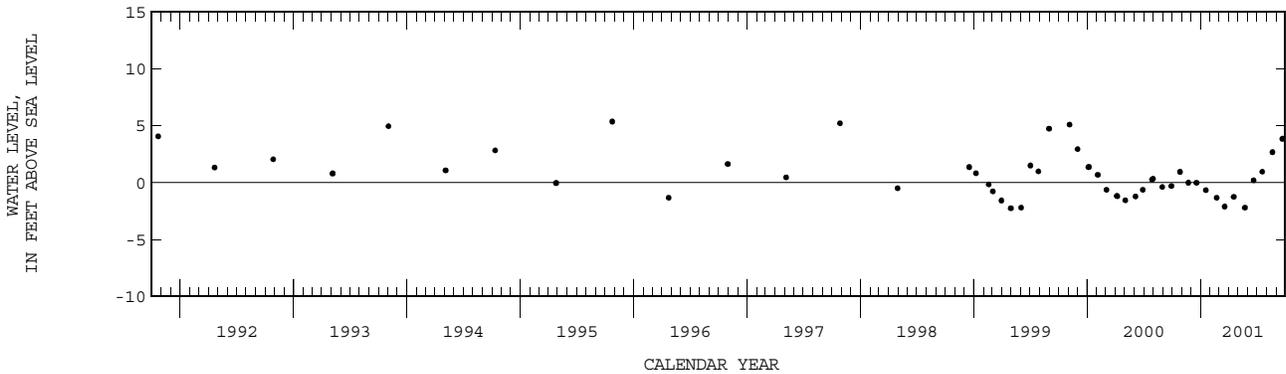
DATUM.--Land-surface datum is 13.22 ft above National Geodetic Vertical datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--May 1986 to April 1998 (semiannual), December 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.35 ft NGVD, Oct. 24, 1995; lowest, 2.20 ft below NGVD, May 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
26...	0945	--	17...	1016	-1.26
26...	0946	.94	MAY		
NOV			23...	0958	-2.20
22...	1047	-0.01	JUN		
DEC			20...	1026	.20
18...	1017	-0.02	JUL		
JAN			18...	1030	.95
17...	1301	-0.67	AUG		
FEB			20...	1031	2.67
21...	0955	-1.33	SEP		
MAR			21...	1030	3.84
19...	1000	-2.10			



BROWARD COUNTY--Continued

WELL NUMBER.--261232080141401. Local Number G 2359. USGS Observation Well near Tamarac, FL.

LOCATION.--Lat 26°12'32", long 80°14'14", in NE 1/4 NE 1/4 NE 1/4 sec.10 T.49 S., R.41 E., Hydrologic Unit 03090202, near northwest corner of McNab Road and SW 81st Avenue and west of Hampton Park.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.5 in., depth 100.4 ft, cased to 97.4 ft, screened 97.4 to 100.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

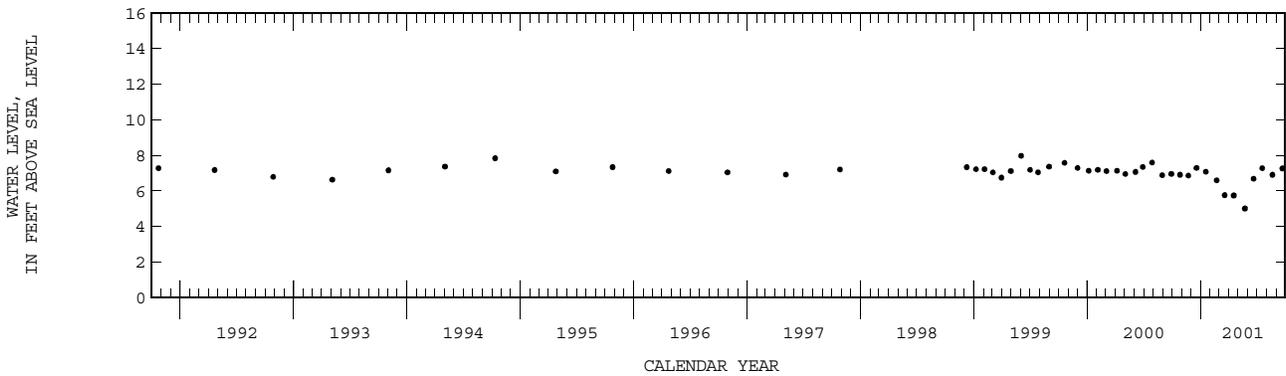
DATUM.--Land-surface datum is 10.94 ft above National Geodetic Vertical datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--October 1983 to October 1997 (semiannual), December 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.98 ft NGVD, June 2, 1999; lowest, 3.98 ft NGVD, May 7, 1986.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
26...	0919	6.91	17...	0942	5.75
NOV			MAY		
22...	1003	6.86	23...	0916	5.02
DEC			JUN		
18...	0935	7.29	20...	0940	6.69
JAN			JUL		
17...	1150	7.08	18...	0936	7.28
FEB			AUG		
21...	0909	6.60	20...	0949	6.91
MAR			SEP		
19...	0913	5.77	21...	0949	7.27



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261258080112901. Local Number G 2482. USGS Observation Well near North Lauderdale, Fl.

LOCATION.--Lat 26°12'58", long 80°11'29", in SW ¼ NE ¼ SE ¼ sec.6, T.49 S., R.42 E., Hydrologic Unit 03090202, in Fern Forest Nature Center, 0.15 mi northwest of NW 31st Avenue and Florida Turnpike underpass.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 20 ft, cased to 15 ft, screened 15 to 20 ft..

INSTRUMENTATION.--Monthly measurement with chalked tape.

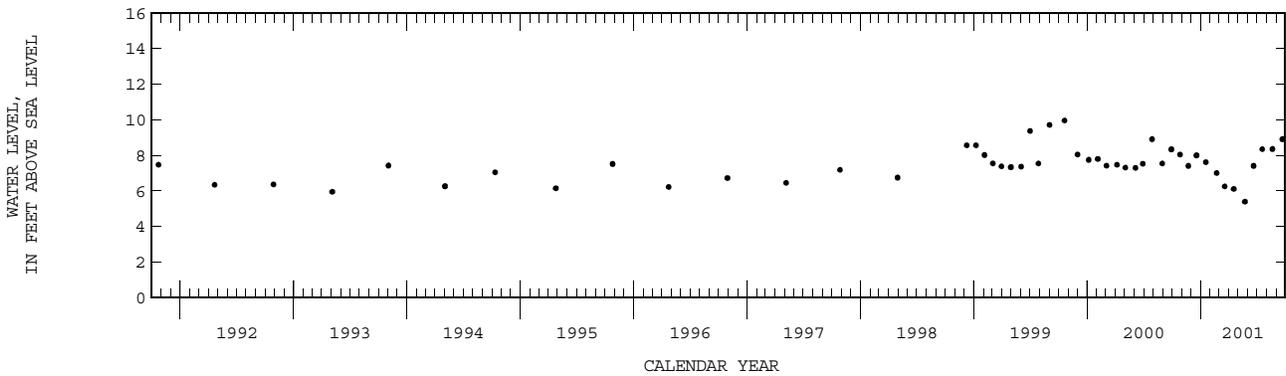
DATUM.--Land-surface datum is 13.25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--February 1988 to April 1998 (semiannual), December 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.95 ft NGVD, Oct. 20, 1999; lowest, 5.15 ft NGVD, Oct. 17, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
26...	0934	8.04	17...	0958	6.11
NOV			MAY		
22...	1032	7.41	23...	0942	5.40
DEC			JUN		
18...	0957	8.00	20...	1013	7.41
JAN			JUL		
17...	1244	7.62	18...	1018	8.35
FEB			AUG		
21...	0942	7.01	20...	1018	8.36
MAR			SEP		
19...	0948	6.26	21...	1017	8.91



BROWARD COUNTY--Continued

WELL NUMBER.--261304080072501. Local Number G 2896. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°13'04", long 80°07'26", in SE ¼ SE ¼ sec. 2, T.49 S., R.42 E., Hydrologic Unit 03090202, at southwest corner of intersection of Cypress Road South and SW 9th Street, 56.5 ft southwest of the fire hydrant.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 100.5 ft, cased to 90.5 ft, screened 90.5 to 100.5 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape. See REMARKS.

DATUM.--Land-surface datum is 6.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

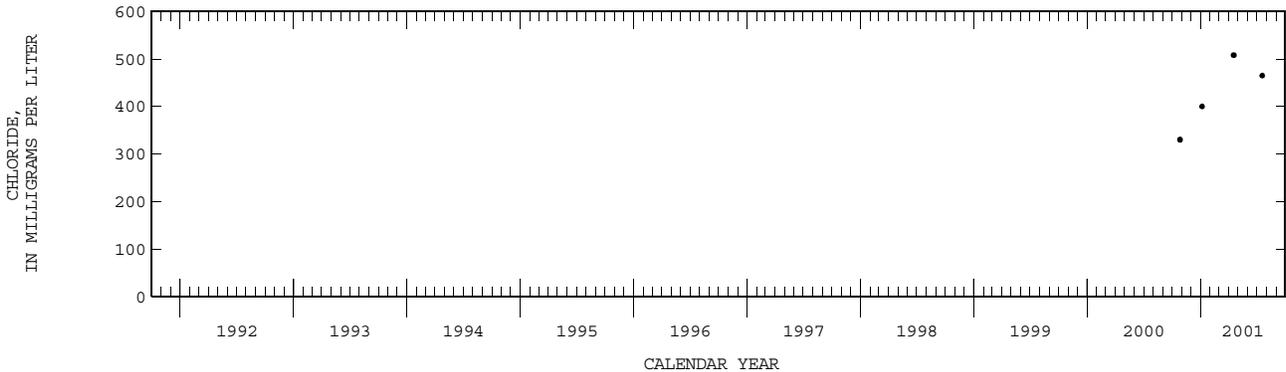
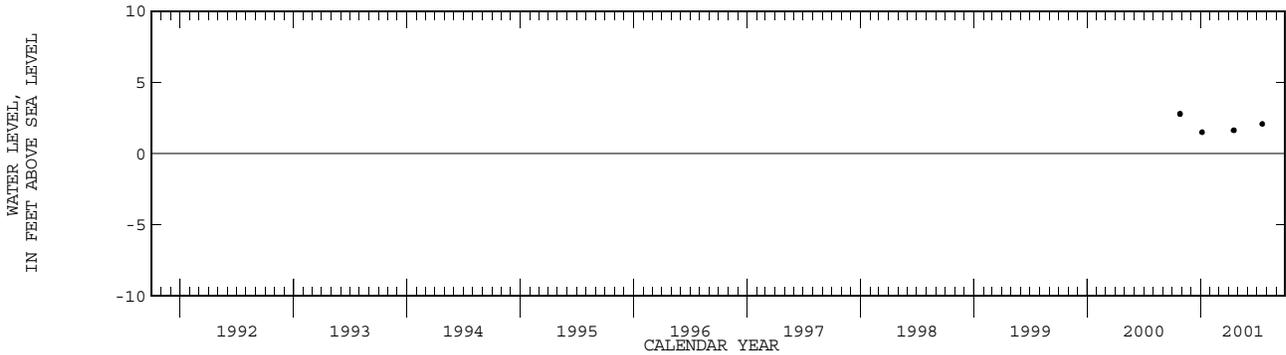
REMARKS.--Well is also monitored for salinity, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Quarterly water-level measurements began in October, 2000.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.79 ft NGVD, Oct. 26, 2000; lowest, 1.51 ft NGVD, Jan. 5, 2001.

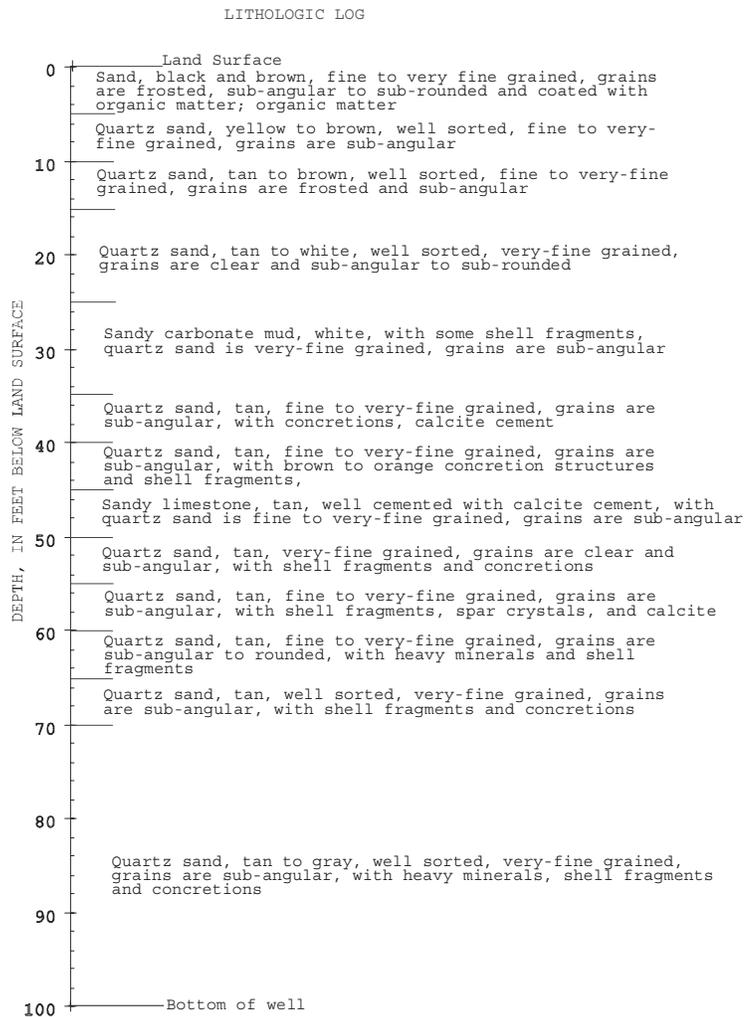
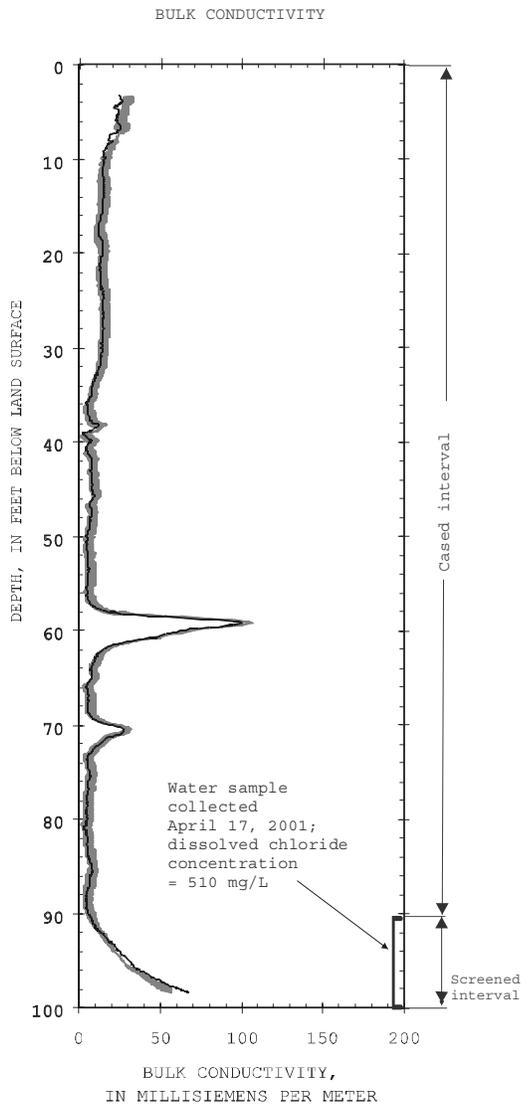
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 26...	1058	1410	330	2.79	APR 17...	1635	1990	508	1.64
JAN 05...	0706	1580	400	1.51	JUL 18...	1120	1860	465	2.08



BROWARD COUNTY--Continued

WELL NUMBER.--261304080072501. Local Number G 2896. USGS Observation Well near Pompano Beach, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 17, 2001

■ Shaded area represents range in bulk conductivity logs collected April 19, 2000 and August 29, 2000

[ Delimits the interval for which the well is open to the aquifer



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--261434080071901. Local Number G 853. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°14'34", long 80°07'19", in SW ¼ NE ¼ NE ¼ sec.35, T.48 S., R.42 E., Hydrologic Unit 03090202, on north side of NE 12th Street, 200 ft west of NE 3rd Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 27 ft, cased to 27 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 19.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.11 ft above land-surface datum. Prior to October 1, 1998, top of base was periodically considered to be 3.00 ft above land-surface datum. See REMARKS.

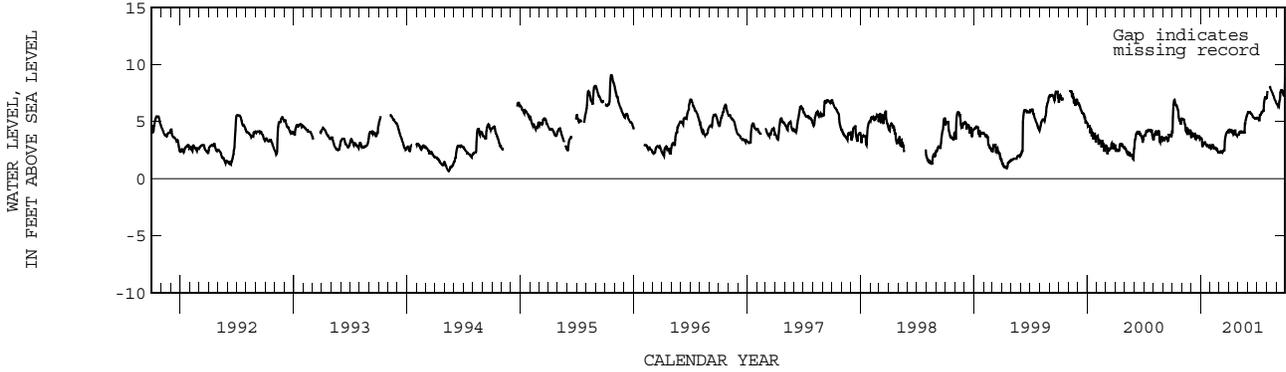
REMARKS.--The figures of water levels as elevation in feet NGVD, prior to October 1, 1998 are in error. Records corrected for the 1997-1999 water years. See DATUM. Records of water levels prior to October 1973 are available in files of the Geological Survey. Top of casing is 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.28 ft NGVD, Oct. 1, 1968; lowest, 6.62 ft below NGVD, May 2, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.50	5.22	3.96	2.93	2.92	2.30	4.16	3.94	5.85	5.30	---	6.47
10	6.66	4.82	3.82	3.06	2.91	2.32	4.16	4.15	5.76	5.56	8.10	6.75
15	6.38	4.13	3.50	3.11	2.62	2.45	3.96	4.12	5.62	5.81	7.83	7.62
20	5.91	4.31	3.79	2.94	2.54	3.51	4.19	4.11	5.36	5.96	7.49	7.76
25	5.05	4.16	3.69	2.92	2.35	4.03	3.85	5.04	5.24	6.98	7.08	7.30
EOM	5.25	3.69	3.55	2.84	2.37	4.23	3.88	5.64	5.33	7.05	6.70	8.90
MAX	6.90	5.26	4.01	3.55	2.97	4.23	4.30	5.64	5.86	7.16	8.10	8.90



BROWARD COUNTY--Continued

WELL NUMBER.--261441080111301. Local Number G 1316. USGS Observation Well near Margate, FL.

LOCATION.--Lat 26°14'41", long 80°11'13", in SW ¼ SE ¼ SE ¼ sec.30, T.48 S., R.42 E., Hydrologic Unit 03090202, at the northwest corner of Lyons Road and Coconut Creek Parkway, 1.0 mi east of Margate.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15.5 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 14.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.45 ft above land-surface datum.

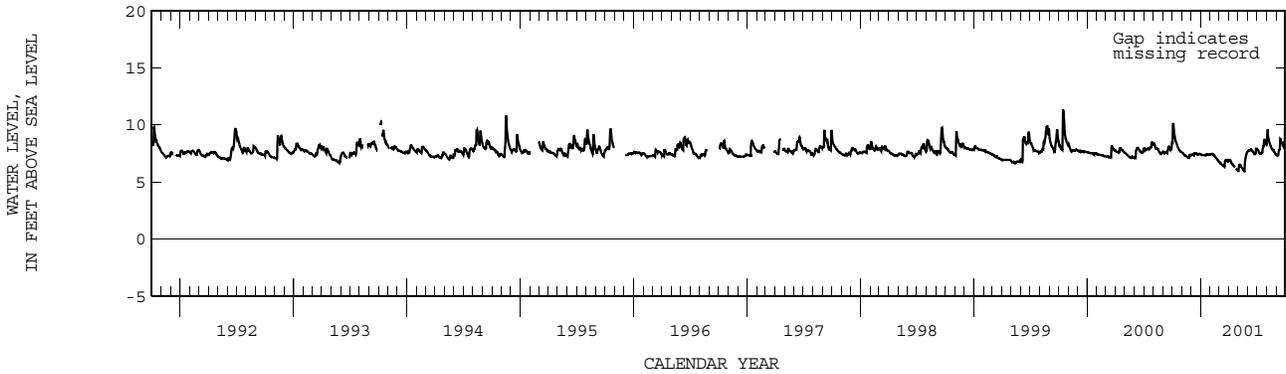
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--April 1969 to September 1979, February 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.35 ft NGVD, Oct. 15, 1999; lowest, 5.93 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.05	7.51	7.41	7.35	7.47	6.68	6.91	6.52	7.76	7.77	9.21	7.31
10	8.79	7.35	7.47	7.36	7.43	6.52	6.69	6.39	7.79	7.51	8.47	7.80
15	8.37	7.27	7.54	7.33	7.27	6.40	6.48	6.16	7.74	7.58	8.11	8.77
20	7.98	7.18	7.44	7.44	7.07	6.85	6.35	5.99	7.59	8.01	7.81	8.39
25	7.77	7.37	7.47	7.40	6.91	6.93	6.16	7.04	7.48	8.71	7.68	8.38
EOM	7.63	7.36	7.44	7.41	6.81	6.93	6.01	7.64	7.93	8.25	7.43	9.79
MAX	10.17	7.61	7.54	7.46	7.47	6.95	6.95	7.64	7.93	8.71	9.55	9.84



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261446080062801. Local Number G 2445. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°14'46", long 80°06'28", in NW ¼ NE ¼ sec. 36, T.48 S., R.42 E., Hydrologic Unit 03090202, in the southeast corner of the Pompano Beach Airport, 0.3 mi north of NE 10th Street, 0.4 mi west of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 132 ft, cased to 117 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 15.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

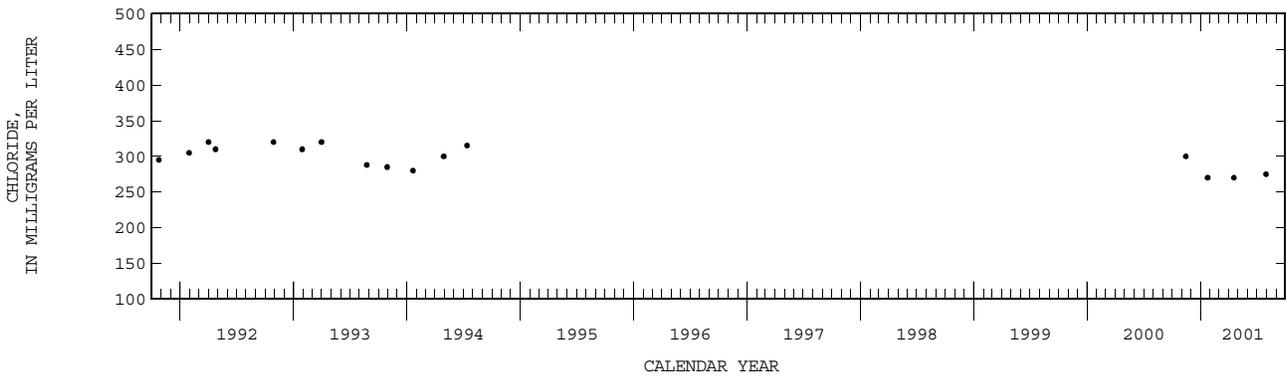
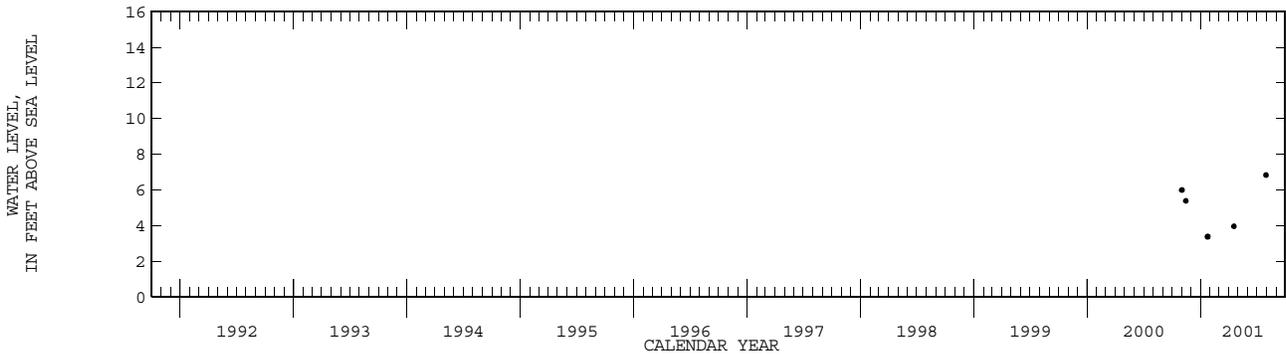
REMARKS.--Well is also used for salinity monitoring, which began in November 1986. Water-level measurements began in November 2000.

PERIOD OF RECORD.--November 1986 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.82 ft NGVD, July 30, 2001; lowest, 3.37 ft NGVD, Jan. 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV					APR				
01...	0910	--	--	5.97	18...	1037	1400	270	3.95
01...	1403	--	--	5.98	JUL				
14...	1331	1410	300	5.38	30...	1132	1100	275	6.82
JAN									
23...	1331	1230	270	3.37					



BROWARD COUNTY--Continued

WELL NUMBER.--261501080060701. Local Number G 2147. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°15'01", long 80°06'07", in NW ¼ SW ¼ SW ¼ sec.30, T.48 S., R.43 E., Hydrologic Unit 03090202, 200 ft west of US 1, and 300 ft north of NE 14th Street, in golf course.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 46 ft.

INSTRUMENTATION.--Satellite data collection platform.

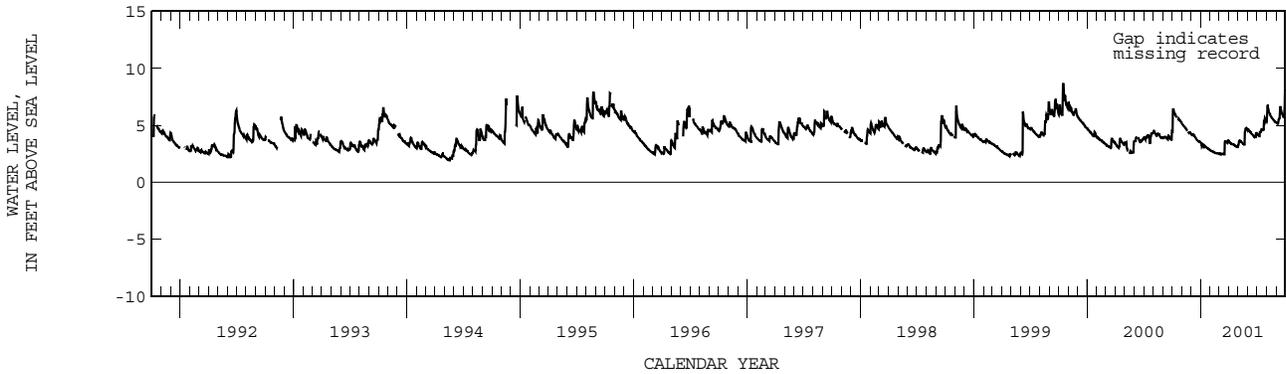
DATUM.--Land-surface datum is 9.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.55 ft above land-surface datum.

PERIOD OF RECORD.--October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.63 ft NGVD, Oct. 15, 1999; lowest, 1.02 ft below NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.36	5.04	4.13	3.22	2.75	2.51	3.49	3.65	4.58	4.14	6.65	5.15
10	5.96	4.86	4.10	3.07	2.70	2.51	3.38	3.59	4.35	4.41	6.13	5.60
15	5.74	4.69	3.95	3.15	2.60	2.47	3.35	3.45	4.23	4.68	5.82	6.61
20	5.53	---	3.73	3.05	2.57	3.61	3.25	3.34	4.04	4.60	5.59	6.02
25	5.42	4.37	3.62	2.97	2.56	3.54	3.15	4.66	4.00	5.37	5.42	5.72
EOM	5.25	4.26	3.50	2.83	2.54	3.68	3.11	4.64	4.34	5.32	5.26	8.03
MAX	6.49	5.21	4.23	3.47	2.80	3.68	3.65	4.77	4.68	5.68	6.72	8.15



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261534080165801. Local Number G 2031. USGS Observation Well in Coral Springs, FL.

LOCATION.--Lat 26°15'34", long 80°16'58", in SE ¼ SE ¼ SE ¼ sec.19, T.48 S., R.41 E., Hydrologic Unit 03090202, on west side of Coral Springs Drive, 150 ft north of Royal Palm Boulevard and 4.0 mi west of US 441.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 10.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.10 ft above land-surface datum.

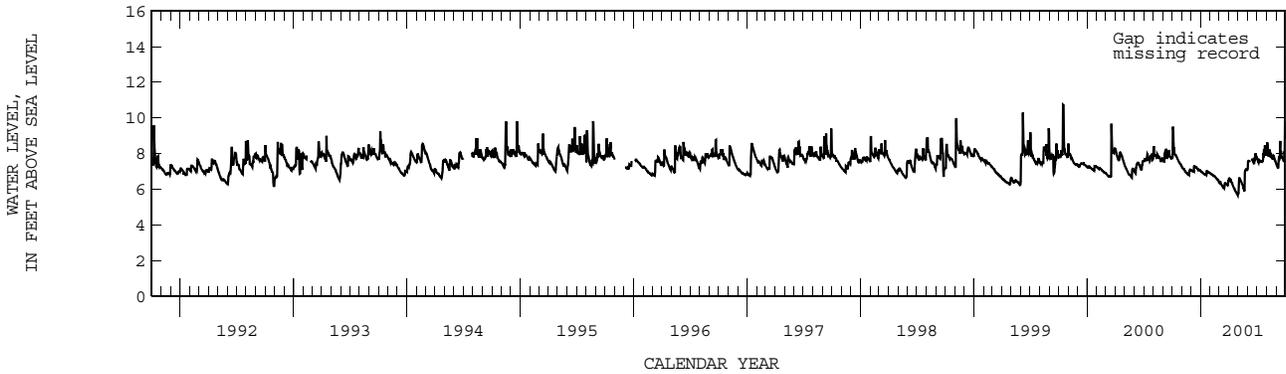
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.96 ft NGVD, Apr. 25, 1979; lowest, 4.75 ft NGVD, estimated, Sept. 5, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.55	7.17	7.01	6.94	6.83	6.41	6.55	6.61	7.58	7.54	8.35	7.23
10	7.94	7.06	7.24	6.86	6.76	6.21	6.40	6.46	---	7.60	7.87	7.74
15	7.82	6.93	7.26	6.81	6.71	6.08	6.19	6.24	7.66	7.56	7.89	8.10
20	7.60	6.84	7.18	6.96	6.59	6.34	5.97	5.98	7.46	7.67	7.71	7.77
25	7.46	7.02	7.10	6.97	6.51	6.27	5.83	7.08	7.99	8.08	7.76	7.62
EOM	7.29	7.07	7.04	6.90	6.41	6.44	5.66	7.07	7.78	7.87	7.44	8.83
MAX	9.50	7.27	7.29	7.02	6.88	6.44	6.60	7.12	8.00	8.45	8.63	9.77



BROWARD COUNTY--Continued

WELL NUMBER.--261641080064801. Local Number G 2866. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°16'41", long 80°06'48", in NE ¼ SE ¼ SW ¼ sec.13, T.48 N., R.42 E., Hydrologic Unit 03090202, on the southwest corner of North Dixie Highway and NE 38th Court.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 15 ft, screened 15 to 20 ft.

INSTRUMENTATION.--Electronic data logger.

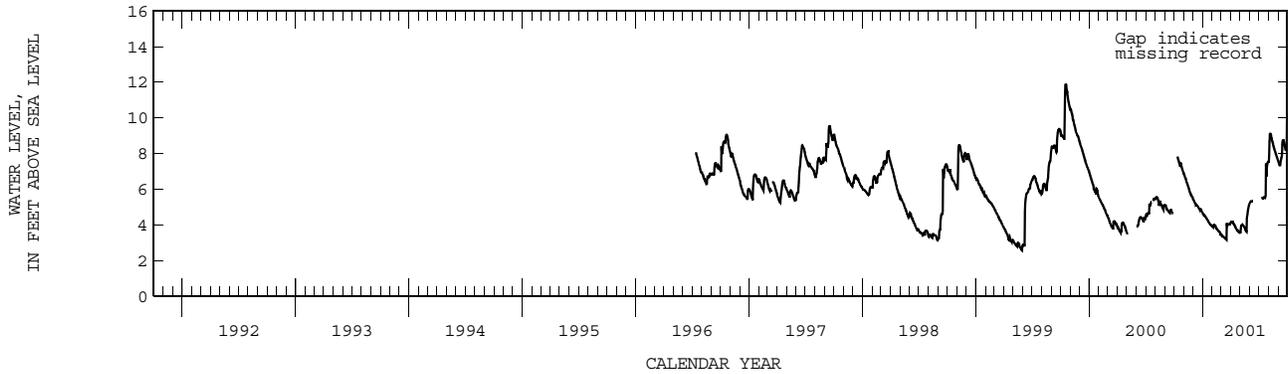
DATUM.--Land-surface datum is 17.03 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.18 ft above land-surface datum.

PERIOD OF RECORD.--July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.88 ft NGVD, Oct. 17, 1999; lowest, 2.55 ft NGVD, May 29, 1999.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	6.68	5.26	4.55	3.99	3.39	4.15	3.97	5.32	---	9.08	7.34
10	---	6.41	5.13	4.44	3.94	3.30	4.08	3.97	5.32	---	8.90	7.72
15	7.57	6.12	5.05	4.30	3.79	3.23	3.93	3.86	---	5.52	8.54	8.66
20	7.26	5.85	4.92	4.17	3.65	3.93	3.74	3.68	---	5.52	8.19	8.60
25	7.18	5.68	4.87	4.03	3.53	4.02	3.65	4.61	---	6.84	7.91	8.19
EOM	6.90	5.47	4.67	3.93	3.48	4.10	3.55	5.16	---	7.53	7.59	10.26
MAX	7.82	6.87	5.42	4.64	4.00	4.10	4.16	5.16	5.33	7.54	9.10	10.26



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--c. Local Number G 1315. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°17'08", long 80°09'08", in SW ¼ NW ¼ NW ¼ sec.15, T.48 S., R.42 E., Hydrologic Unit 03090202, 50 ft east of Powerline Road, 0.8 mi north of Sample Road, and 2.3 mi northeast of Coconut Creek.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 14 ft.

REVISED RECORDS.--WDR FL-85-2B:1982.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 14.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

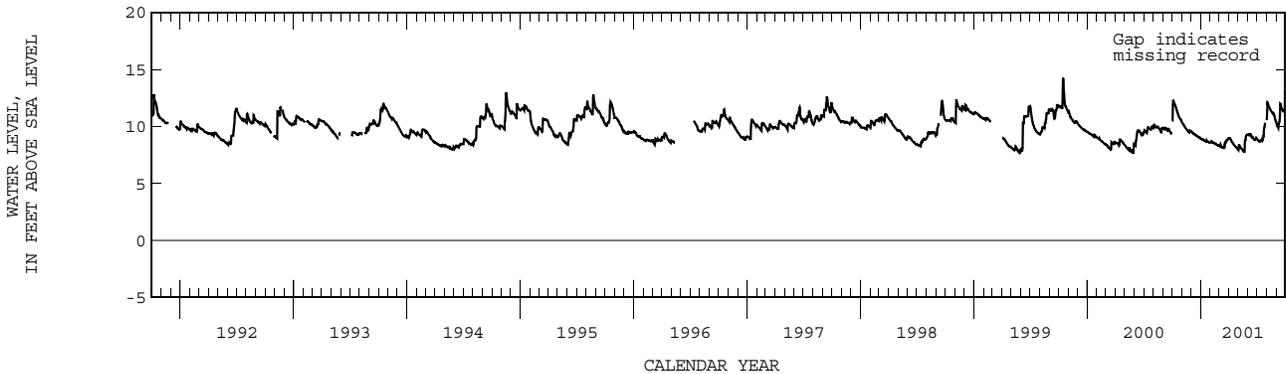
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.27 ft NGVD, Oct. 15, 1999; lowest, 6.26 ft NGVD, Mar. 30, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.21	10.23	9.46	8.89	8.75	8.43	9.00	8.39	9.25	8.80	11.96	10.03
10	11.87	10.01	9.35	8.80	8.58	8.21	8.72	8.14	9.33	8.68	11.69	10.39
15	11.43	9.81	9.26	8.73	8.51	8.13	8.53	7.95	9.09	8.79	11.41	11.97
20	11.01	9.64	9.16	8.80	8.41	8.61	8.33	7.78	8.90	8.95	11.18	11.53
25	10.74	9.65	9.11	8.65	8.36	8.81	8.18	8.81	8.84	9.99	11.01	11.33
EOM	10.48	9.58	8.98	8.61	8.33	8.97	8.01	9.31	8.99	---	10.39	12.79
MAX	12.33	10.43	9.56	8.94	8.75	8.97	9.00	9.31	9.33	10.32	12.11	13.11



BROWARD COUNTY--Continued

WELL NUMBER.--261734080111301. Local Number G 1213. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°17'34", long 80°11'13", in SE ¼ NE ¼ SE ¼ sec.7, T.48 S., R.42 E., Hydrologic Unit 03090202, at southwest corner of Wilburn Road and Lyons Road, 1.0 mi east of US 441, and 7.5 mi northwest of Pompano Beach.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 15 ft, cased to 11.5 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 14.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.27 ft above land-surface datum.

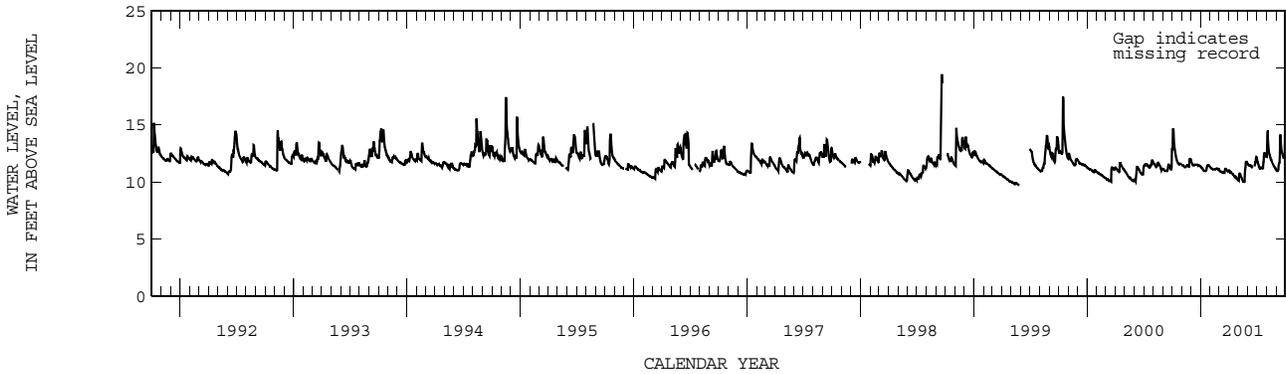
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--December 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.38 ft NGVD, Sept. 19, 20, 1998; lowest, 9.39 ft NGVD, June 29, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.52	11.47	11.50	11.22	11.20	10.94	10.87	10.74	11.46	11.54	13.89	10.97
10	12.68	11.31	11.40	11.01	11.12	10.86	10.79	10.49	11.40	11.16	12.42	11.67
15	11.94	11.36	11.53	10.97	11.12	10.83	10.68	10.15	11.26	11.26	11.98	14.05
20	11.67	11.50	11.53	11.22	11.17	11.14	10.47	10.04	---	11.22	11.66	12.51
25	11.59	11.91	11.46	11.49	11.12	11.06	10.40	11.29	11.73	12.54	11.36	12.11
EOM	11.50	11.91	11.36	11.32	11.05	11.00	10.18	11.70	12.18	12.30	11.11	14.32
MAX	14.72	12.03	11.79	11.49	11.28	11.15	11.01	11.78	12.19	12.54	14.41	14.44



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261740080054101. Local Number G 2893. USGS Observation Well near Deerfield Beach, FL.

LOCATION.--Lat 26°17'40", long 80°05'41", in NE ¼ SW ¼ sec.7, T.48 S., R.43 E., Hydrologic Unit 03090202, at NE 52nd street 200 ft east of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 176 ft, cased to 166 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 7.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

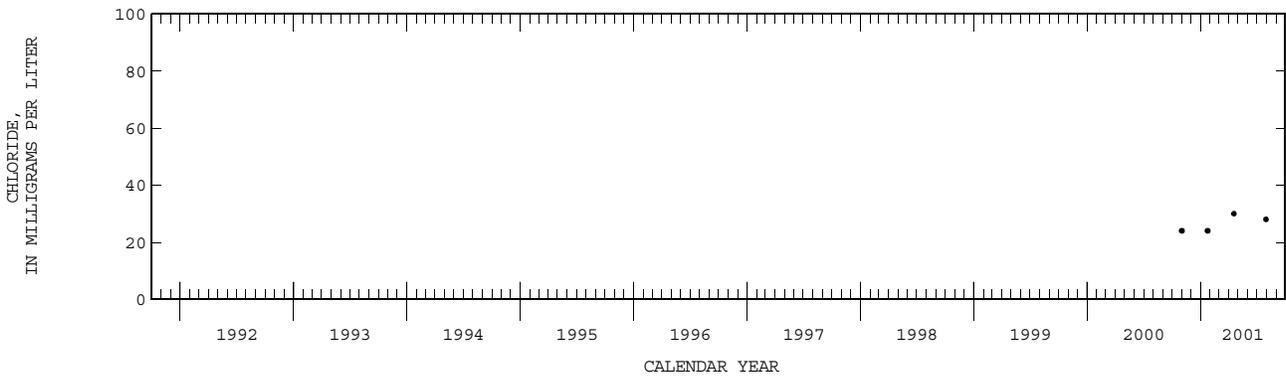
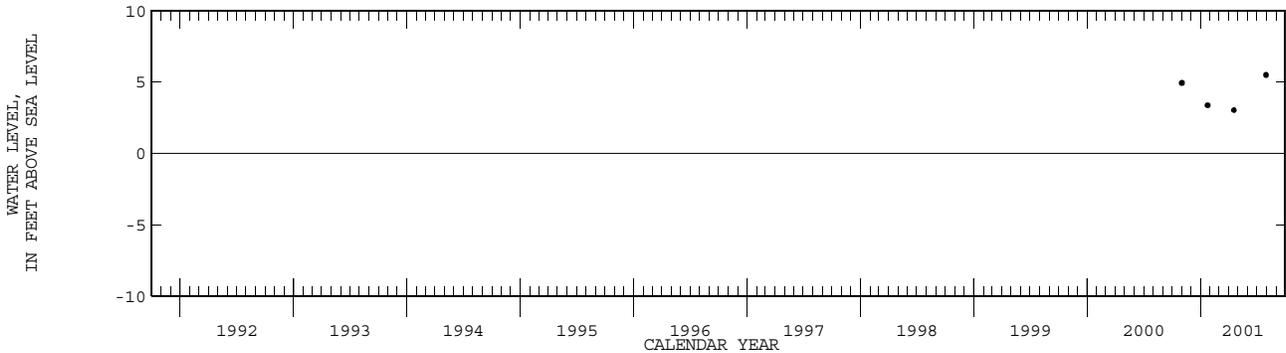
REMARKS.--Well is also used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.51 ft NGVD, July 30, 2001; lowest, 3.04 ft NGVD, Apr. 18, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 01...	1309	319	24.0	4.95	APR 18...	1246	337	30.0	3.04
JAN 23...	1025	314	24.0	3.38	JUL 30...	1445	368	28.0	5.51



BROWARD COUNTY--Continued

WELL NUMBER.--261831080151301. Local Number G 2739. USGS Observation Well in Parkland, FL.

LOCATION.--Lat 26°18'31", long 80°15'13", in SE ¼ sec.4, T.48 S., R.41 E., Hydrologic Unit 03090202, east of University Drive and north of fenced area across from The Landings, 0.5 mi north of Sawgrass Expressway and 0.1 mi south of Holmberg Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 21 ft, cased to 21 ft.

INSTRUMENTATION.--Electronic data logger.

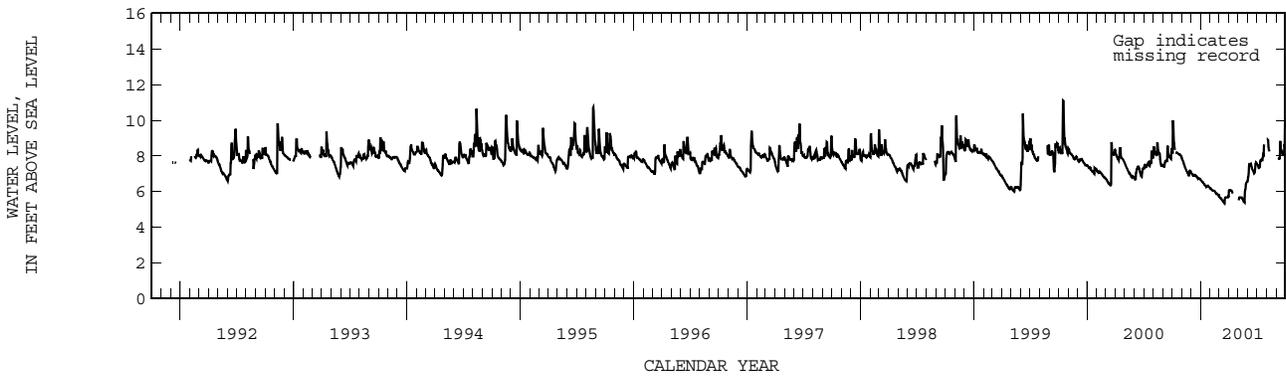
DATUM.--Land-surface datum is 12.31 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--December 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.11 ft NGVD, Oct. 15, 1999; lowest, 5.34 ft NGVD, Mar. 18, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.29	7.73	6.93	6.56	6.11	5.64	6.06	5.67	7.42	7.43	8.90	---
10	8.34	7.43	6.94	6.46	6.05	5.55	6.05	5.68	7.53	7.38	8.25	7.86
15	8.18	7.22	6.90	6.33	6.01	5.42	---	5.58	7.28	7.79	---	8.52
20	8.12	7.04	6.82	6.28	5.89	5.66	---	5.43	7.06	7.99	---	8.16
25	8.09	7.11	6.75	6.31	5.82	5.68	---	6.12	7.44	---	---	8.06
EOM	7.91	7.08	6.67	6.20	5.74	5.73	---	6.55	7.59	---	---	9.53
MAX	10.00	7.86	7.05	6.64	6.19	5.74	6.09	6.55	7.64	8.63	8.90	10.09



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261858080054101. Local Number G 2894. USGS Observation Well in Deerfield Beach, FL.

LOCATION.--Lat 26°18'58", long 80°05'41", in NE ¼ NW ¼ sec.6, T.48 S., R.43 E., Hydrologic Unit 03090202, at the northeast corner of SE 8th Avenue and SE 1st Court, 41 ft from center of SE 8th Avenue and 34 ft from center of SE 1st Court.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 180 ft, cased to 170 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 7.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

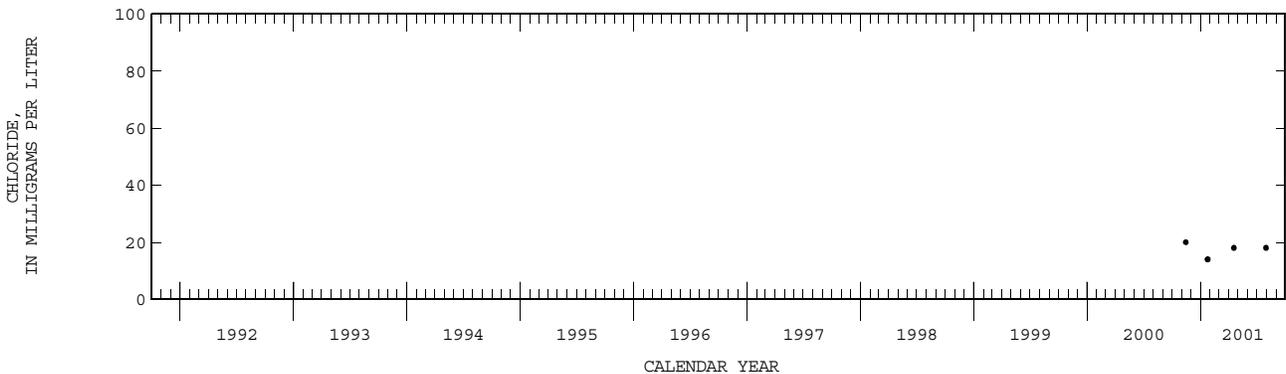
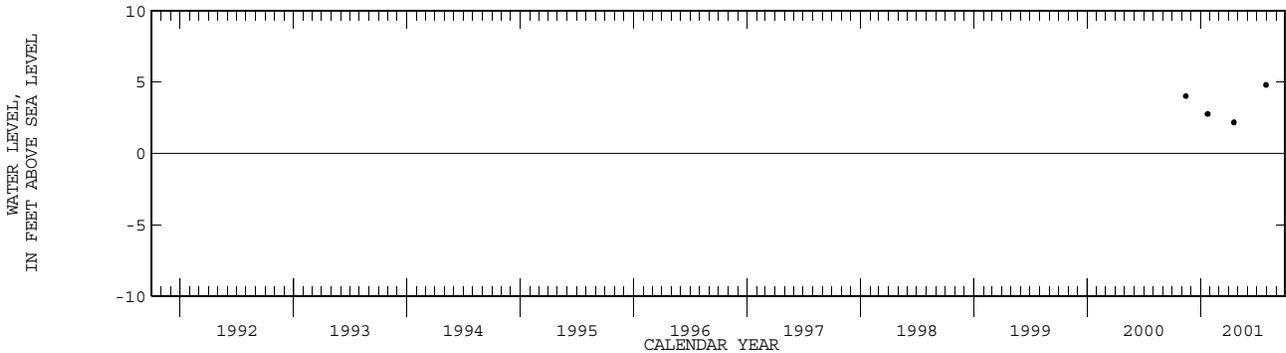
REMARKS.--Well is also used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.81 ft NGVD, July 30, 2001; lowest, 2.18 ft NGVD, Apr. 18, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 14...	1442	296	20.0	4.02	APR 18...	1456	279	18.0	2.18
JAN 23...	0951	298	14.0	2.77	JUL 30...	1514	339	18.0	4.81



BROWARD COUNTY--Continued

WELL NUMBER.--261903080065601. Local Number G 1260. USGS Observation Well in Deerfield Beach, FL.

LOCATION.--Lat 26°19'03", long 80°06'56", in SW ¼ NE ¼ NW ¼ sec.1, T.48 S., R.42 E., Hydrologic Unit 03090202, on southeast side of SR 810 and I-95 at Deerfield Beach, 0.9 mi west of Florida East Coast Railroad.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 90 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 9.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

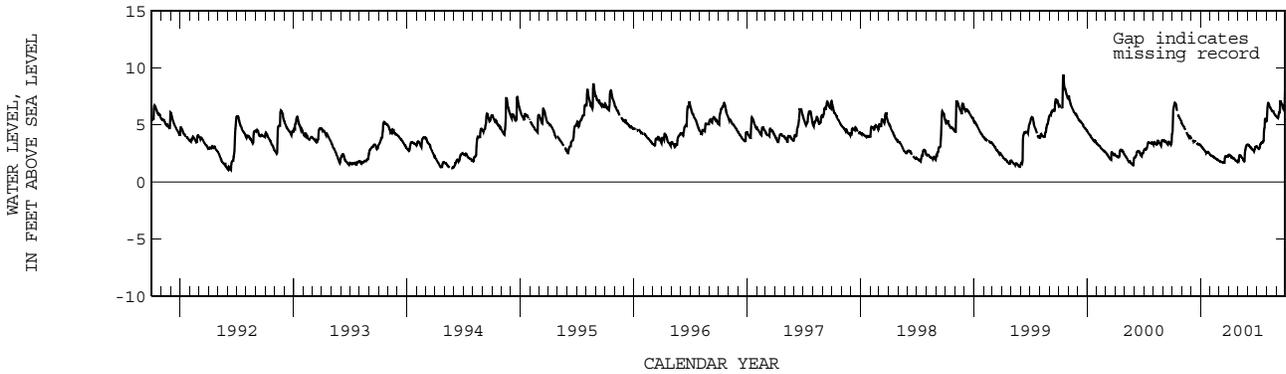
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.02 ft NGVD, Oct. 31, 1965; lowest 0.71 ft below NGVD, June 20, 23, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.42	4.95	3.65	3.06	2.31	1.81	2.34	2.30	3.22	2.97	6.79	5.64
10	6.92	4.71	3.53	2.87	2.24	1.76	2.22	2.27	3.01	3.02	6.70	6.10
15	6.39	---	3.55	2.69	2.11	1.69	2.09	2.06	2.86	3.46	6.43	7.05
20	5.82	4.14	3.37	2.55	2.01	2.21	1.99	1.84	2.74	3.49	6.20	6.78
25	5.59	4.04	3.35	2.63	1.92	2.24	1.85	2.85	3.01	4.74	6.01	6.38
EOM	5.19	3.85	3.21	2.42	1.86	2.34	1.77	3.26	3.13	5.34	5.77	8.25
MAX	6.93	5.15	3.81	3.20	2.38	2.34	2.40	3.26	3.29	5.54	6.94	8.25



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY--Continued

WELL NUMBER.--261938080101001. Local Number G 2852. USGS Observation Well near Boca Raton, FL.

LOCATION.--Lat 26°19'38", long 80°10'10", in NW ¼ NW ¼ SW ¼ sec.33, T.47 S., R.42 E., Hydrologic Unit 03090202, approximately 12 ft south of Hillsboro Canal, 50 yards east of Florida Turnpike, 0.8 mi west of CR 845 (Powerline Road), and 1.0 mi south of Camino Real Road, approximately 3.0 mi southwest of Boca Raton.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 140 ft, cased to 130 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 15.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft above land-surface datum. Prior to August 2000, top of casing was considered to be 2.90 ft above land-surface datum. Prior to November 1995, top of casing was 0.30 ft above land-surface datum. (Corrected). See REMARKS.

REMARKS.--Published figures of water levels as elevation, in ft NGVD, are in error for November 1995 to September 1999.

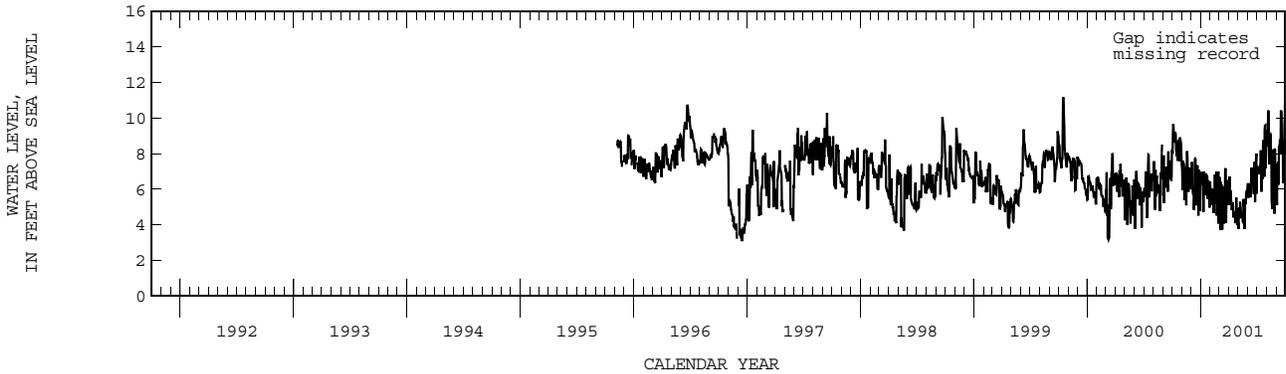
Corrected figures are available in the files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1988 to May 1990 (semiannual), September 1990 to October 1991 (intermittent), November 1991 to October 1995 (monthly), November 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.26 ft NGVD, Aug. 26, 1994; lowest daily maximum water level, 3.10 ft NGVD, Dec. 15, 1996.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.55	7.49	5.92	6.45	5.14	3.70	5.15	4.63	6.32	7.20	9.09	7.36
10	9.22	6.99	4.84	7.00	5.15	6.21	5.15	4.62	5.54	6.98	8.32	8.42
15	7.86	5.10	7.70	6.85	6.82	6.10	5.00	4.23	6.78	5.87	7.84	8.03
20	8.70	6.03	5.78	6.69	6.97	6.98	4.55	5.08	5.73	8.57	6.50	8.44
25	8.91	7.22	7.10	6.47	6.83	5.37	5.54	5.41	7.07	9.27	4.89	8.08
EOM	7.67	6.29	6.94	6.40	4.61	5.11	4.07	6.10	5.75	8.90	6.59	7.91
MAX	9.67	8.09	7.72	7.00	6.99	7.18	6.72	6.10	8.01	9.59	10.39	10.91



# Charlotte County

## WATER RESOURCES DATA FOR FLORIDA, 2001

## VOLUME 2B: SOUTH FLORIDA

Key to site locations on figure # 14

## Charlotte County

Index Number	Site Number	Well Name	Page Number
1	265004081581901	CH 311	150

VOLUME 2B: SOUTH FLORIDA

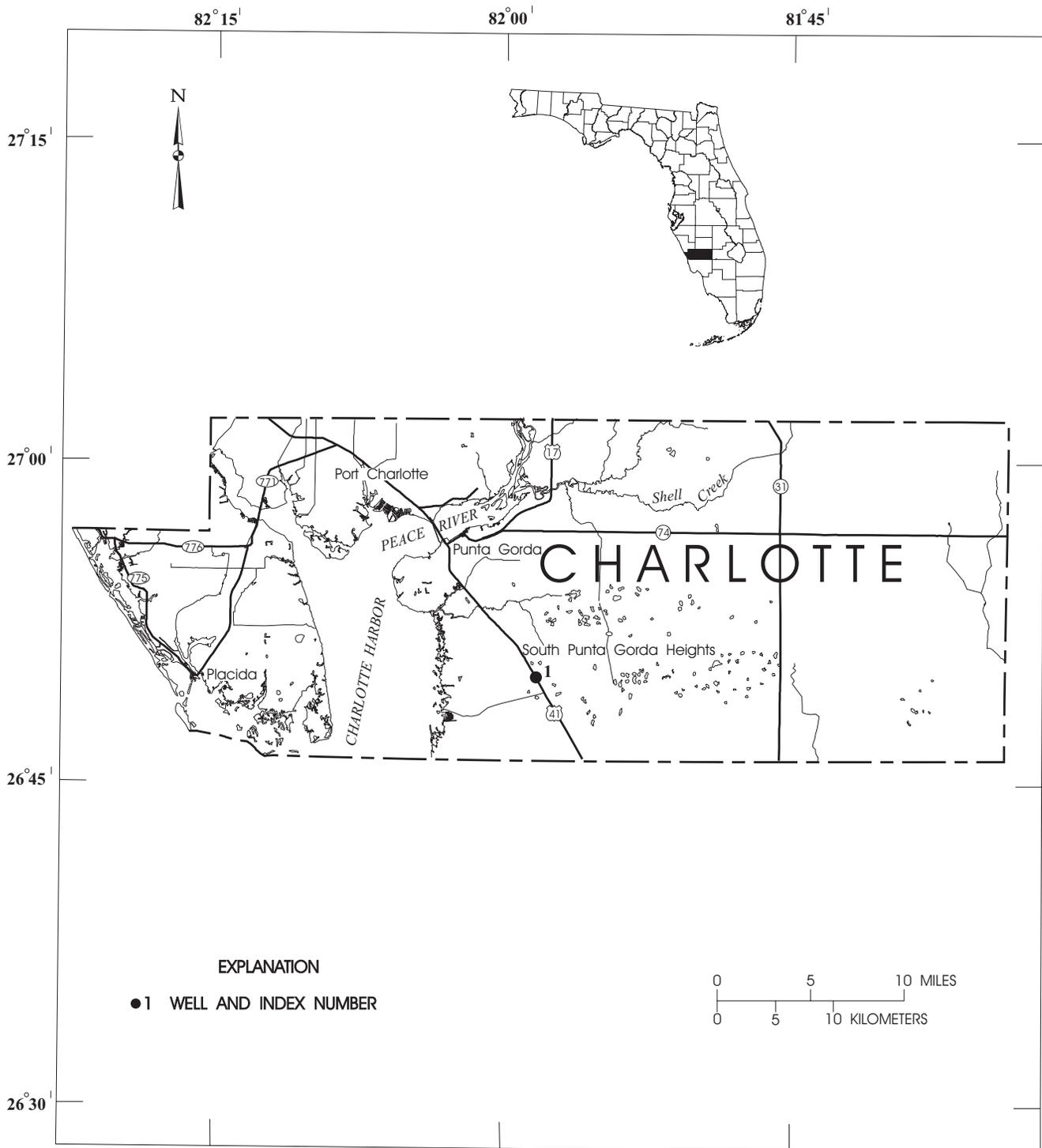


Figure 14. Location of wells in Charlotte County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

CHARLOTTE COUNTY

WELL NUMBER.--265004081581901. Local Number CH 311. USGS Observation Well near Punta Gorda, FL.

LOCATION.--Lat 26°50'06", long 81°58'18", in NW ¼ NW ¼ SW ¼ sec.12, T.42 S., R.23 E., Hydrologic Unit 03100103, 30 ft south of fence, 0.1 mi east of US 41, at the Division of Forestry Fire Control Headquarters, 2.8 mi north of Zemel Road.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 220 ft, cased to 180 ft, open hole 180 to 200 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 24.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. casing, 1.98 ft above land-surface datum. Prior to August 2001, top of 4 in. casing was 2.12 ft above land-surface datum. See REMARKS.

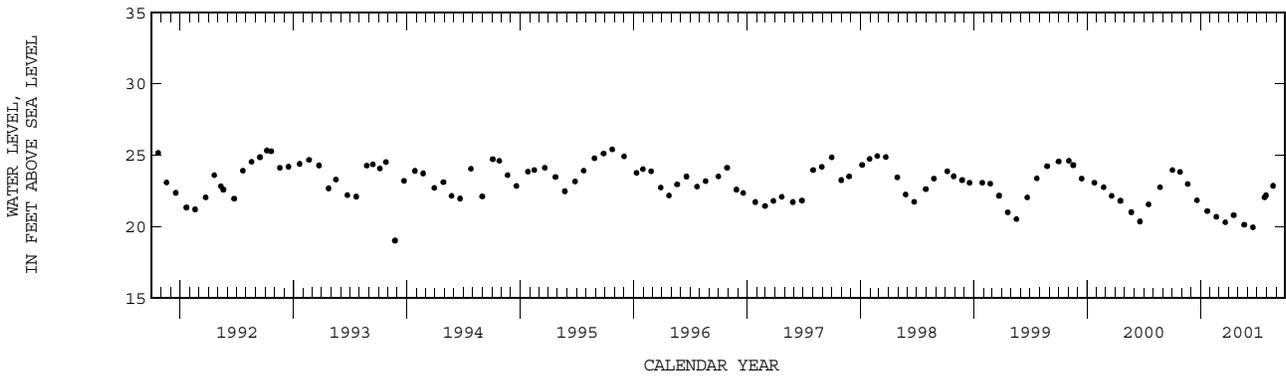
REMARKS.--Conductivity and chloride profiles for previous water years are available in the files of the Geological Survey. The well was damaged and repaired August 2001.

PERIOD OF RECORD.--January 1973 to October 1976 (daily), November 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.89 ft NGVD, Mar. 5, 1973; lowest measured, 19.01 ft NGVD, Nov. 23, 1993. (Corrected).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1036	23.95	17...	0731	20.79
26...	1126	23.83	MAY		
NOV			21...	1017	20.12
20...	0942	22.98	JUN		
DEC			18...	0913	19.93
20...	1423	21.83	JUL		
JAN			25...	0754	22.04
22...	1601	21.07	30...	1540	22.18
FEB			AUG		
20...	0936	20.68	22...	1132	22.85
MAR					
21...	0723	20.29			



# Collier County

## VOLUME 2B: SOUTH FLORIDA

## Key to site locations on figure # 15

## Collier County

Index Number	Site Number	Well Name	Page Number	Index Number	Site Number	Well Name	Page Number
1	261000080520001	C 54	179	51	261733081285501	C 984	211
2	260902081480401	C 130	173	52	261733081285503	C 985	213
3	262521081161901	C 131	237	53	261200081204901	C 986	186
4	262505081245301	C 258	234	54	261444081284901	C 988	201
5	260640081204301	C 296	169	55	261733081285502	C 989	212
6	262507081235201	C 298	235	56	255703081213801	C 995	157
7	261621081412302	C 303	209	57	261530081412001	C 997	203
8	261630081360001	C 304	210	58	261620081450201	C 998	207
9	255430081221001	C 311	154	59	261508081484902	C 999	202
10	262555081242501	C 363	239	60	261620081464402	C 1004R	208
11	261124081470301	C 391	183	61	260919081460501	C 1052	176
12	261124081470101	C 392	182	62	261127081461001	C 1054	184
13	261405081465501	C 460	198	63	261211081441301	C 1055	188
14	262724081260701	C 462	241	64	261537081461201	C 1057	204
15	261302081473901	C 489	190	65	261537081461202	C 1058	205
16	261243081480301	C 490	189	66	261604081480901	C 1059	206
17	262228081361901	C 492	232	67	261311081480101	C 1061	191
18	255748081181801	C 495	158	68	260925081475101	C 1062	177
19	260111081243901	C 496	159	69	260137081375901	C 1063	160
20	261741081235401	C 503	217	70	260137081375902	C 1064	161
21	261156081475801	C 516	185	71	255637081281401	C 1065	155
22	261018081484101	C 526	180	72	255637081281402	C 1066	156
23	261200081483001	C 528	187	73	260314081323101	C 1067	164
24	262859081273002	C 532	245	74	260314081323102	C 1068	165
25	261438081481001	C 575	200	75	260813081214302	C 1070	170
26	260549081441901	C 600	167	76	261823081171901	C 1071	221
27	261740081235401	C 684	214	77	261823081171902	C 1072	222
28	262554081283801	C 687	238	78	261740081235403	C 1073	216
29	261802081354801	C 688	218	79	262519081162102	C 1074	236
30	261740081235402	C 689	215	80	262822081213201	C 1075	242
31	260632081324702	C 690	168	81	262822081213202	C 1076	243
32	261347081351701	C 948	196	82	262822081213203	C 1077	244
33	261347081351202	C 951	195	83	262558081270501	C 1078	240
34	261347081351201	C 953	194	84	262158081283404	C 1079	231
35	261343081384802	C 956	193	85	262228081361902	C 1080	233
36	262121081355502	C 963	224	86	261805081473302	C 1083	220
37	262136081204202	C 965	227	87	260251081412801	C 1092	163
38	262136081204201	C 966	226	88	261356081461101	C 1093	197
39	260334081391601	C 968	166	89	261435081472701	C 1094	199
40	260843081324202	C 972	172	90	261802081354802	C 1097	219
41	260843081324201	C 973	171	91	261023081463702	C 1100	181
42	260941081324201	C 974	178	92	260224081394301	C 1186	162
43	260915081385901	C 976	174				
44	260915081385902	C 977	175				
45	262121081355501	C 978	223				
46	262121081355503	C 979	225				
47	261343081384801	C 980	192				
48	262158081283401	C 981	228				
49	262158081283403	C 982	230				
50	262158081283402	C 983	229				

VOLUME 2B: SOUTH FLORIDA

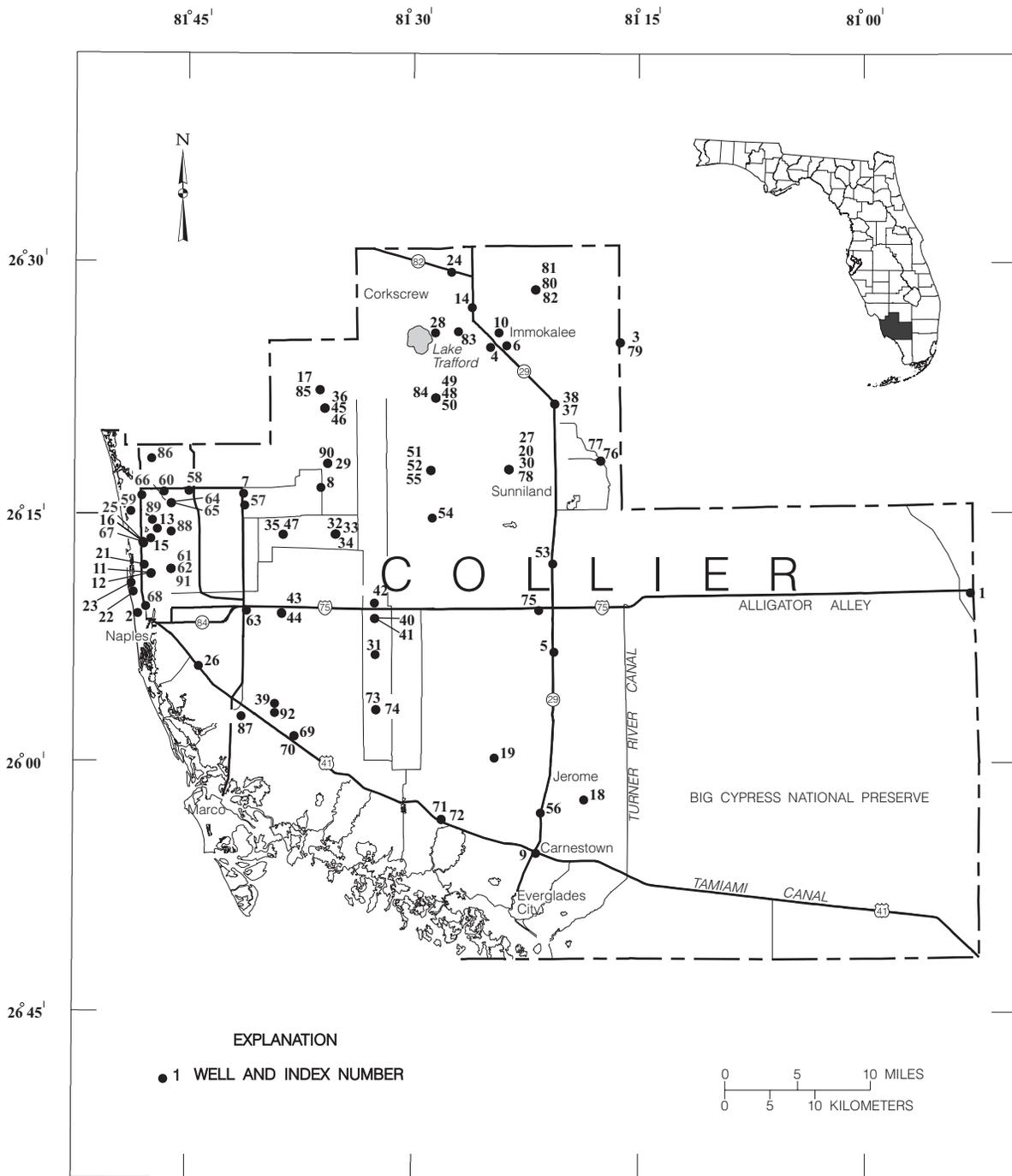


Figure 15: Location of wells in Collier County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--255430081221001. Local Number C 311.

LOCATION.--Lat 25°54'40", long 81°21'53", in NW ¼ SE ¼ sec.25, T.52 S., R.29 E., Hydrologic Unit 03090204, 20 ft south of US 41, and 53 ft west of State Road 29, 3 mi south of Copeland and 4 mi west of Ochopee.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 450 ft, cased to 430 ft, open hole 430 to 450 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 4.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of gate valve, 2.05 ft above land-surface datum. For the period August 1994 through September 1997, measuring point was considered to be 0.05 ft above land-surface datum. See REMARKS.

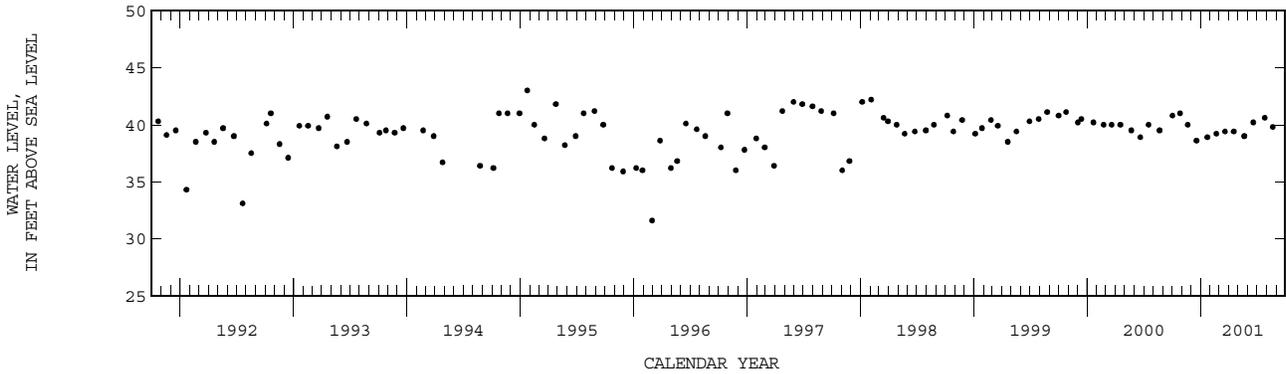
REMARKS.--Records of water levels prior to October 1982 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, for the period August 1994 to September 1997 are in error. Corrected records are in files of the Geological Survey. See DATUM.

PERIOD OF RECORD.--December 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft NGVD, Jan. 23, 1995; lowest, 17.2 ft NGVD, May 17, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1413	40.80	17...	0832	39.40
26...	1006	41.00	MAY		
NOV			21...	1424	39.00
20...	1015	40.00	JUN		
DEC			19...	1021	40.20
18...	1558	38.60	JUL		
JAN			26...	1100	40.60
22...	1441	38.90	AUG		
FEB			21...	1316	39.80
20...	1432	39.20			
MAR					
20...	0906	39.40			



COLLIER COUNTY--Continued

WELL NUMBER.--255637081281401. Local Number C 1065.

LOCATION.--Lat 25°56'40", long 81°28'09", in NE ¼ SW ¼ NW ¼ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, 1,000 ft north of US 41 at Big Cypress Bend Indian Reservation, 6.7 mi northwest of SR-29 on US 41, 24 mi southeast of Naples on US 41.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 50 ft, cased to 27 ft, open hole from 27-50 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 3.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft above land-surface datum.

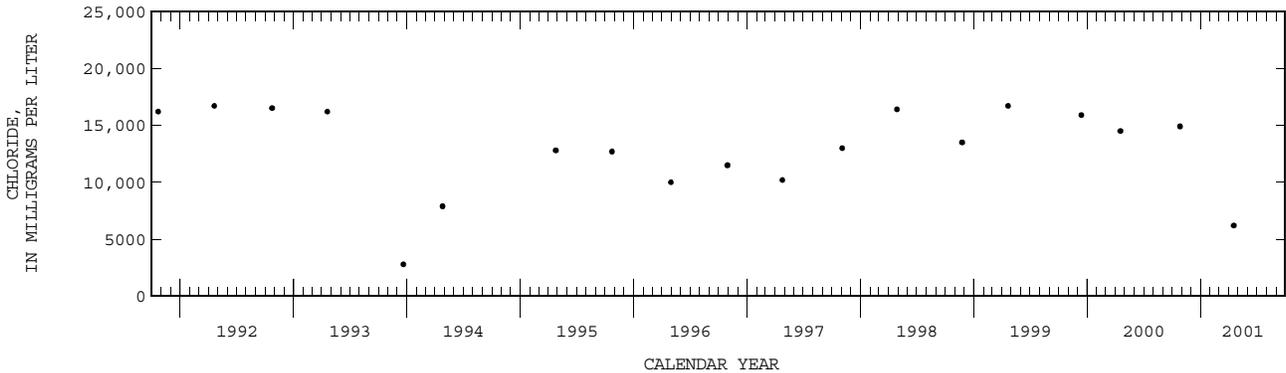
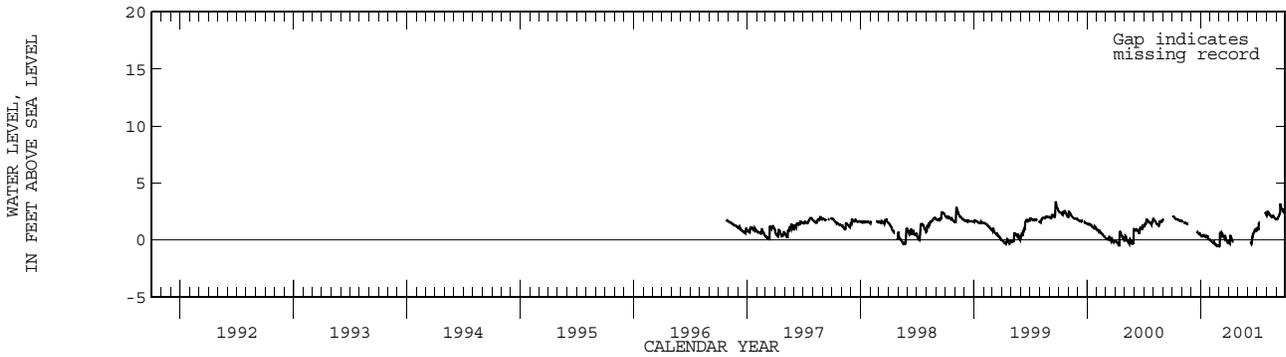
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--April 1986 to October 1996 (monthly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.44 ft NGVD, Aug. 28, 1995; lowest, 0.60 ft below NGVD, May 31, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.09	1.59	---	.31	-.12	.65	.37	---	---	.96	2.50	1.88
10	1.92	1.53	---	.42	-.24	.65	.14	---	-.12	1.50	2.25	2.25
15	1.82	1.50	---	.29	-.33	.36	-.14	---	.27	---	2.11	3.15
20	1.79	1.40	.77	.36	-.48	.38	---	---	.68	---	2.13	2.72
25	1.69	---	.57	.16	-.45	-.03	---	---	.84	---	2.03	2.46
EOM	1.71	---	.47	.05	-.50	-.07	---	---	.98	2.23	1.84	2.93
MAX	2.09	1.70	.80	.51	.01	.65	.39	---	.98	2.46	2.50	3.20



COLLIER COUNTY--Continued

WELL NUMBER.--255637081281402. Local Number C 1066.

LOCATION.--Lat 25°56'40", long 81°28'09", in NE ¼ SW ¼ NW ¼ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, 1,000 ft north of US 41 at Big Cypress Bend Indian Reservation, 6.7 mi northwest of SR-29 on US 41, 24 mi southeast of Naples on US 41.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 180 ft, cased to 102 ft, 78 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.82 ft above land-surface datum.

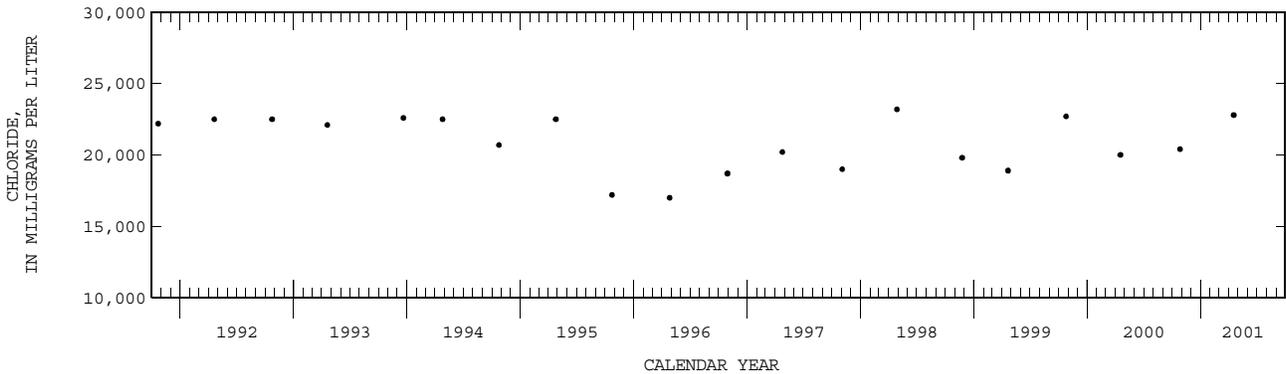
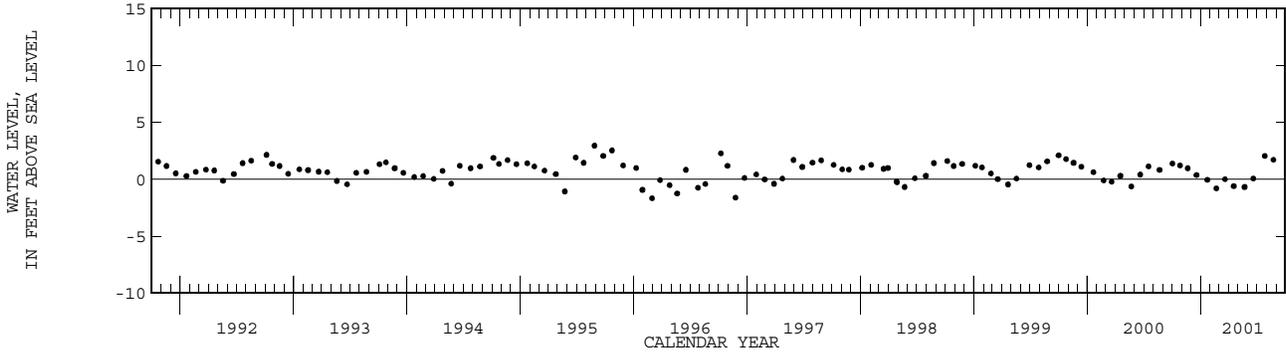
REMARKS.--Well is also used for salinity monitoring. The well was originally open to the aquifer from 102 to 108 ft. The well has become obstructed at a depth of 79 ft. Chloride concentration samples are being collected using a pump. The exact depth from which the chloride containing water is emanating cannot be further delineated.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.95 ft NGVD, Aug. 28, 1995; lowest, 1.82 ft below NGVD, Apr. 24, 1986.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
02...	1429	--	--	1.38	17...	0910	60800	22800	-0.60
26...	1027	60500	20400	1.21	MAY				
NOV					22...	1141	--	--	-0.68
20...	0939	--	--	.97	JUN				
DEC					19...	1053	--	--	.07
18...	1639	--	--	.36	JUL				
JAN					26...	1119	--	--	2.05
22...	1503	--	--	-0.05	AUG				
FEB					23...	0821	--	--	1.70
20...	1505	--	--	-0.80					
MAR									
20...	1106	--	--	.000					



COLLIER COUNTY--Continued

WELL NUMBER.--255703081213801. Local Number C 995.

LOCATION.--Lat 25°57'05", long 81°21'34", in SE ¼ SE ¼ sec.12, T.52 S., R.29 E., Hydrologic Unit 03090204, in Department of Natural Resources building, 200 ft east of Janes Scenic Drive and 0.4 mi north of Copeland.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 37 ft, cased to 28 ft, open hole 28 to 37 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.22 ft above land-surface datum. Prior to October 1993 land-surface datum was considered to be 8.00 ft. See REMARKS.

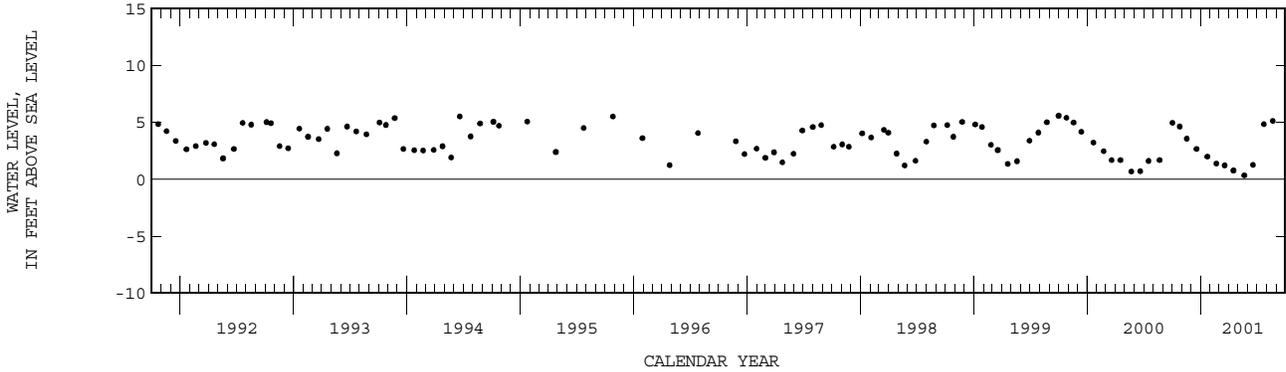
REMARKS.--The figures of water levels, as elevation in feet NGVD, prior to October 1993 are in error. Corrected records are in files of the Geological Survey. See DATUM.

PERIOD OF RECORD.--March 1985 to September 1994 (monthly), October 1995 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.74 ft NGVD, July 30, 1985; lowest, 0.25 ft NGVD, May 28, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1017	4.95	16...	1151	.77
25...	1130	4.62	MAY		
NOV			21...	1407	.34
17...	1030	3.56	JUN		
DEC			18...	1232	1.26
18...	1149	2.65	JUL		
JAN			23...	1323	4.83
22...	1058	1.98	AUG		
FEB			21...	1306	5.12
20...	1101	1.38			
MAR					
19...	1151	1.22			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--255748081181801. Local Number C 495.

LOCATION.--Lat 25°57'53", long 81°18'42", in NE ¼ NE ¼ NE ¼ sec.9, T.52 S., R.30 E., Hydrologic Unit 03090204, 25 ft south of County Road 837, 50 ft west of CR-841 2.6 mi east of State Road 29, and 4.4 mi north of Ochopee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 70 ft, cased to 8 ft, open hole 8 to 70 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

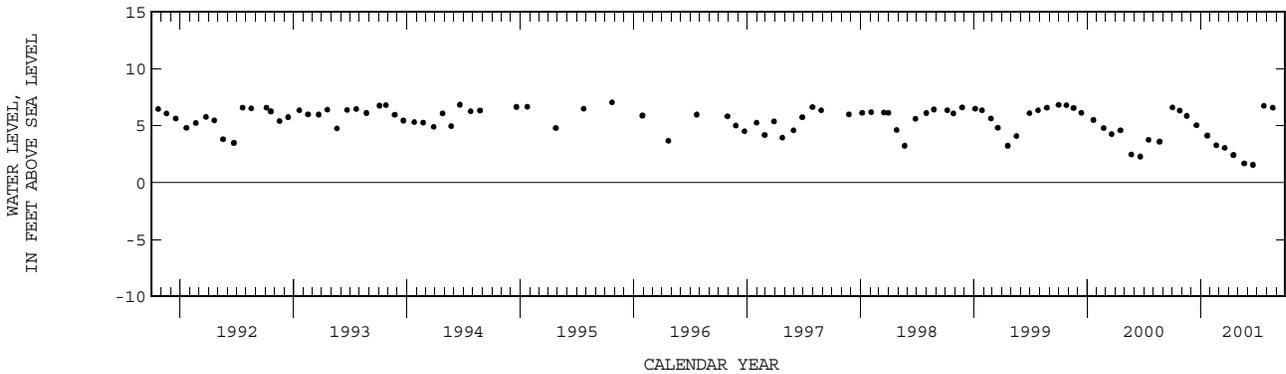
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1971 to September 1984 (daily), October 1984 to September 1995 (monthly), October 1995 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.34 ft NGVD, Sept. 4, 1983; lowest measured, 0.98 ft NGVD, June 14, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1042	6.58	16...	1203	2.42
25...	1142	6.32	MAY		
NOV			21...	1445	1.68
17...	1043	5.85	JUN		
DEC			18...	1255	1.55
18...	1212	5.03	JUL		
JAN			23...	1354	6.73
22...	1108	4.12	AUG		
FEB			21...	1347	6.57
20...	1111	3.26			
MAR					
19...	1201	3.04			



COLLIER COUNTY--Continued

WELL NUMBER.--260111081243901. Local Number C 496.

LOCATION.--Lat 26°00'23", long 81°24'39", in NE ¼ NE ¼ sec.28, T.51 S., R.29 E., Hydrologic Unit 03090204, 36 ft east of Janes Scenic Drive, 7.1 mi northwest of Copeland and 6.4 mi northwest of fire lookout tower.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 57 ft, cased to 8 ft, open hole 8 to 57 ft. INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 10.82 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1982 land-surface datum was considered to be 13.59 ft above NGVD. Measuring point: Top of recorder shelf, 1.03 ft above land-surface datum. See REMARKS.

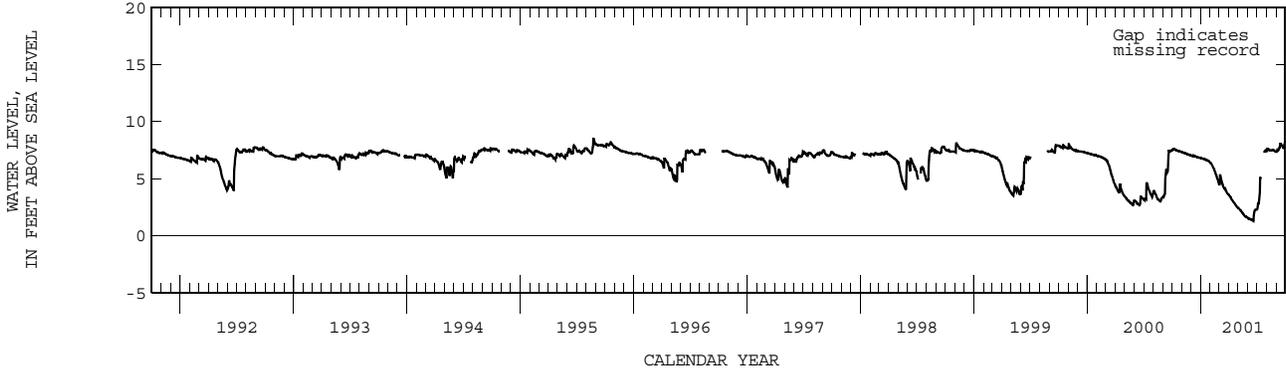
REMARKS.--The figures of water level as elevation, in feet NGVD, prior to October 1, 1982 are in error. Corrected records are in files of the Geological Survey. See DATUM. Records of water levels prior to October 1975 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.52 ft NGVD, Aug. 24, 1995; lowest, 0.95 ft NGVD, May 14-15, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.62	7.29	6.99	6.77	6.27	5.30	3.43	2.34	1.48	2.81	7.62	7.46
10	7.57	7.25	6.99	6.74	5.99	4.66	3.21	2.19	1.45	3.75	7.50	7.69
15	7.49	7.20	6.96	6.68	5.63	4.28	3.03	1.99	1.38	---	7.48	8.06
20	7.44	7.14	6.89	6.63	5.22	4.12	2.83	1.83	1.76	---	7.49	7.89
25	7.40	7.08	6.85	6.57	4.83	3.84	2.63	1.69	2.27	7.43	7.48	7.69
EOM	7.35	7.04	6.82	6.41	4.63	3.62	2.45	1.59	2.29	7.44	7.36	8.18
MAX	7.62	7.34	7.03	6.81	6.40	5.30	3.60	2.43	2.29	7.51	7.62	8.27



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260137081375901. Local Number C 1063.

LOCATION.--Lat 26°01'41", long 81°37'57", in NW ¼ NE ¼ SW ¼ sec.17, T.51 S., R.27 E., Hydrologic Unit 03090204, 0.45 mi northeast and 50 ft northwest of end Hamilton Road, 4.95 mi southeast on US 41 from SR-951, 9.0 mi southeast of Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 55 ft, cased to 30 ft, 25 ft of open hole from 30 to 55 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

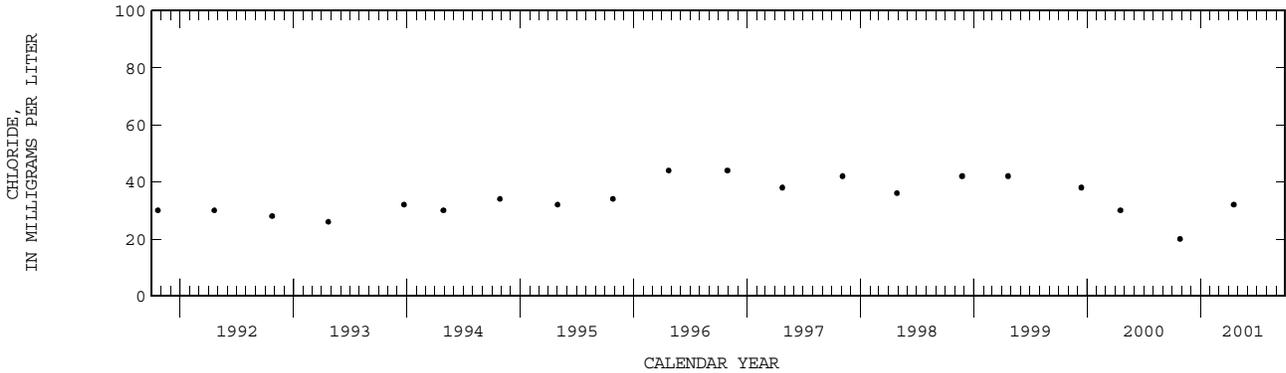
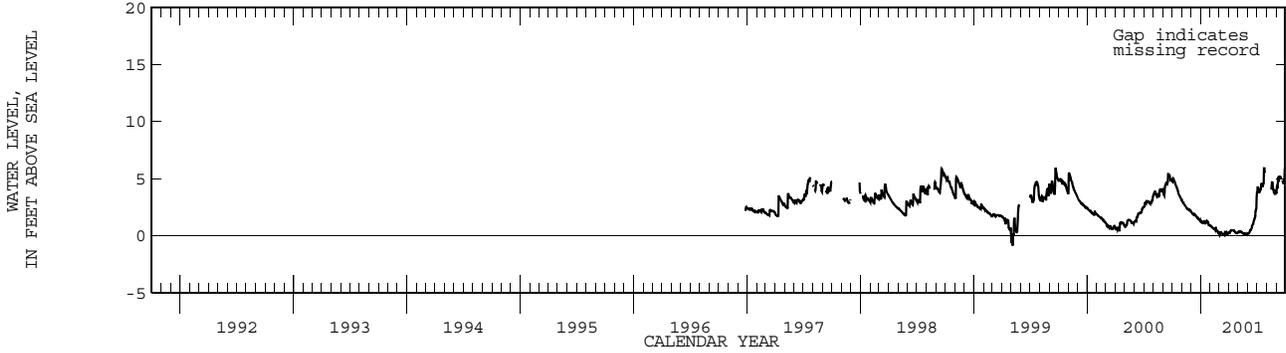
REMARKS.--Well is also used for salinity monitoring. Most of the open-hole portion of this well has collapsed or become obstructed. Chloride concentration samples are being collected from a depth of 37 ft.

PERIOD OF RECORD.--April 1986 to December 1996 (monthly), December 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.00 ft NGVD, Sept. 29, 2001; lowest, 0.88 ft below NGVD, May 06, 1999.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.99	2.91	1.93	1.27	.80	.31	.37	.39	.23	4.13	---	4.32
10	4.60	2.71	1.88	1.16	.64	.19	.48	.33	.53	3.93	---	5.24
15	4.24	2.51	1.77	1.08	.57	.10	.48	.24	.86	4.54	---	5.01
20	3.76	2.35	1.61	1.17	.46	.33	.39	.17	1.30	4.42	4.58	---
25	3.49	2.26	1.48	1.10	.28	.20	.24	.17	1.73	5.60	3.79	4.52
EOM	3.16	2.10	1.25	.89	.21	.28	.28	.15	3.37	---	3.75	5.68
MAX	5.03	3.11	2.07	1.27	.88	.33	.48	.39	3.37	5.92	4.69	6.00



COLLIER COUNTY--Continued

WELL NUMBER.--260137081375902. Local Number C 1064.

LOCATION.--Lat 26°01'41", long 81°37'57", in NW ¼ NE ¼ SW ¼ sec.17, T.51 S., R.27 E., Hydrologic Unit 03090204, 0.45 mi northeast on Hamilton Road to end and 50 ft northwest of Hamilton Road, 4.95 mi southeast on US 41 from SR-951, 9.0 mi southeast of Collier County Government Center.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 120 ft, cased to 84 ft, 36 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.90 ft above land-surface datum. For the period October 1996 through September 1997 Measuring point was considered to be top of recorder shelf 3.99 ft above land-surface datum. See REMARKS.

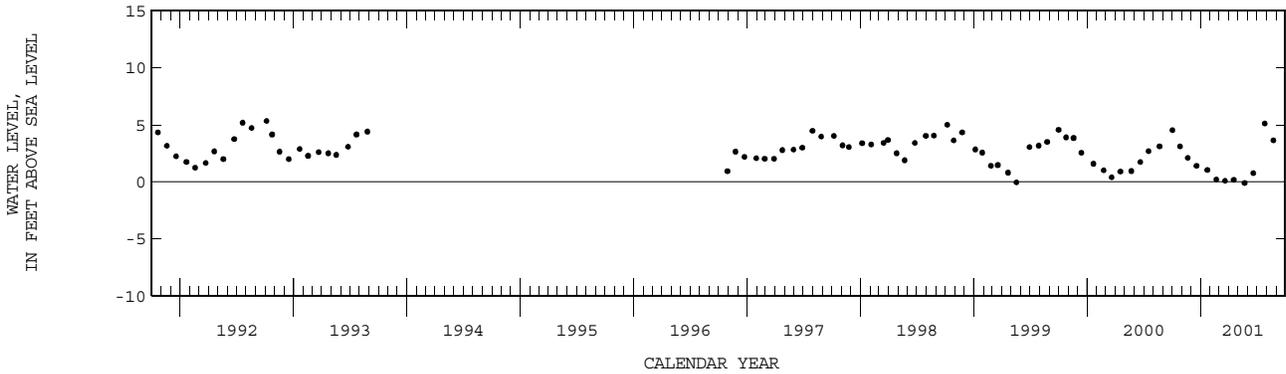
REMARKS.--The figures of water levels as elevation, in feet NGVD, for the period October 1996 to September 1997 are in error. Corrected records are in files of the Geological Survey. See DATUM.

PERIOD OF RECORD.--April 1986 to October 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.35 ft NGVD, Aug. 24, 25, 1995; lowest water level measured, 0.12 ft below NGVD, May 22, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1523	4.52	17...	1001	.16
26...	1158	3.09	MAY		
NOV			22...	1239	-0.12
20...	0911	2.08	JUN		
DEC			19...	1138	.75
18...	1707	1.38	JUL		
JAN			26...	1223	5.10
22...	1543	1.02	AUG		
FEB			23...	0925	3.63
20...	1535	.18			
MAR					
20...	1136	.07			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260224081394301. Local Number C 1186.

LOCATION.--Lat 26°03'04", long 81°39'15", in SW ¼ SW ¼ sec.6, T.51 S., R.27 E., Hydrologic Unit 03090204, 30 ft east of Greenway Road, 1.15 mi north of US 41 and 11 mi southeast of Naples.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 122 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 32.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.80 ft above land-surface datum. Well formerly considered to be C-975. All of the data formerly published under C-975 has been stored under C-1186.

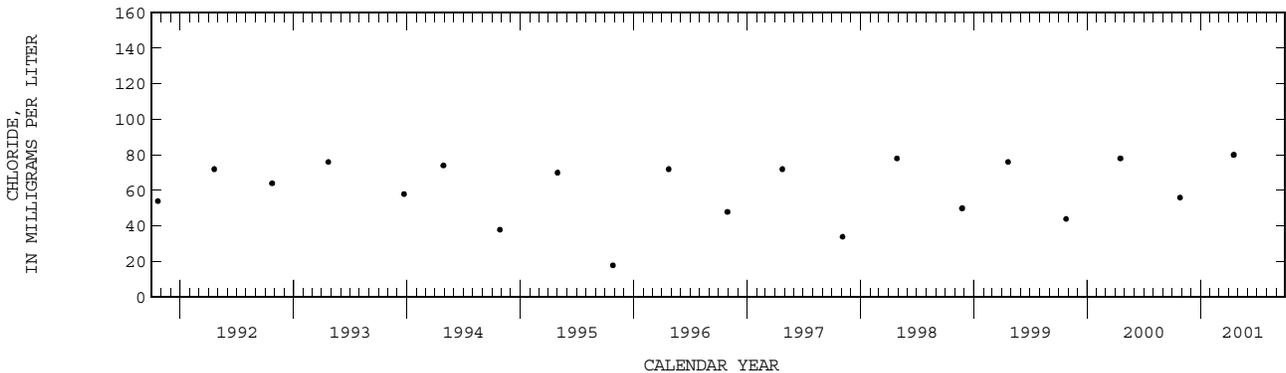
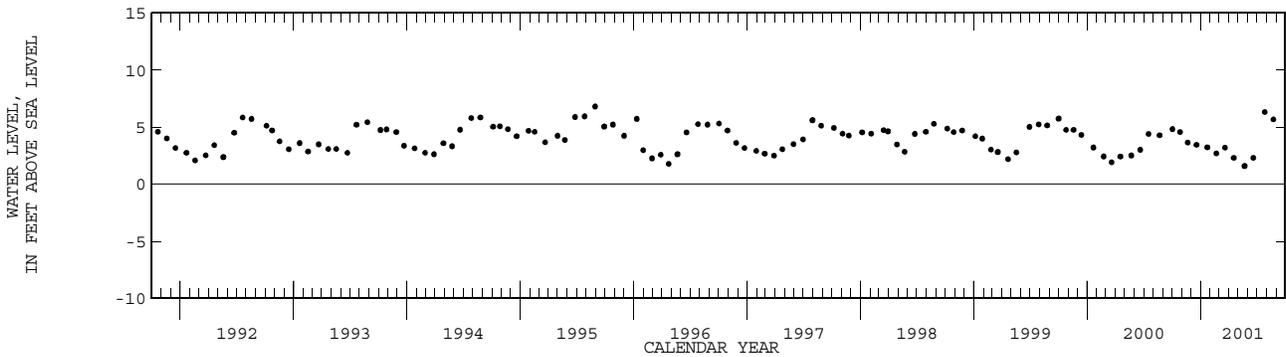
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.81 ft NGVD, Aug. 30, 1995; lowest, 0.65 ft below NGVD, Mar. 28, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1532	--	--	4.83	APR 17...	1047	519	80.0	2.30
26...	1235	650	56.0	4.57	MAY 22...	1300	--	--	1.59
NOV 20...	0820	--	--	3.65	JUN 19...	1203	--	--	2.31
DEC 18...	1718	--	--	3.44	JUL 26...	1251	--	--	6.32
JAN 22...	1552	--	--	3.23	AUG 23...	0940	--	--	5.68
FEB 20...	1547	--	--	2.70					
MAR 20...	1547	--	--	3.20					



COLLIER COUNTY--Continued

WELL NUMBER.--260251081412801. Local Number C 1092.

LOCATION.--Lat 26°02'52", long 81°41'28", in SW ¼ NE ¼ NE ¼ sec.10, T.51 S., R.26 E., Hydrologic Unit 03090204, 25 ft north of Manatee Road, 0.5 mi east of SR-951, 1.1 mi south of Tamiami Trail (US 41).

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

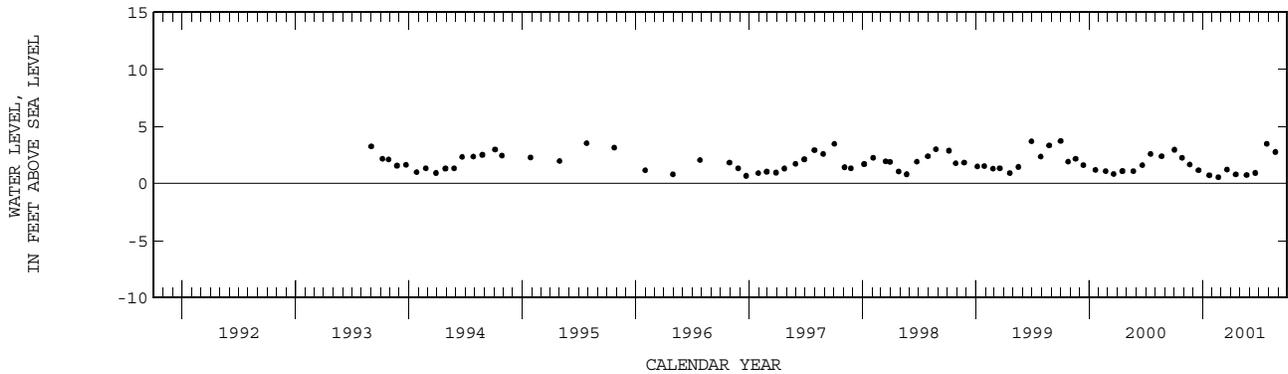
DATUM.--Land-surface datum is 4.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. PVC casing, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--July 1993 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.72 ft NGVD, Oct. 1, 1999; lowest, 0.55 ft NGVD, Feb. 20, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1650	2.96	17...	1153	.79
26...	1446	2.25	MAY		
NOV			22...	1352	.74
20...	0808	1.66	JUN		
DEC			19...	1307	.92
18...	1803	1.16	JUL		
JAN			26...	1404	3.48
22...	1635	.72	AUG		
FEB			23...	1034	2.76
20...	1636	.55			
MAR					
20...	1319	1.22			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260314081323101. Local Number C 1067

LOCATION.--Lat 26°03'15", long 81°32'31", in SW ¼ NE ¼ SE ¼ sec.6, T.51 S., R.28 E., Hydrologic Unit 03090204, 25 ft south of Stewart Boulevard and 25 ft east of Everglades Boulevard, 6.3 mi south of Alligator Alley (I-75) on Everglades Boulevard. AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 65 ft, cased to 30 ft, 35 ft of open hole. INSTRUMENTATION.--Monthly measurement with chalked tape.

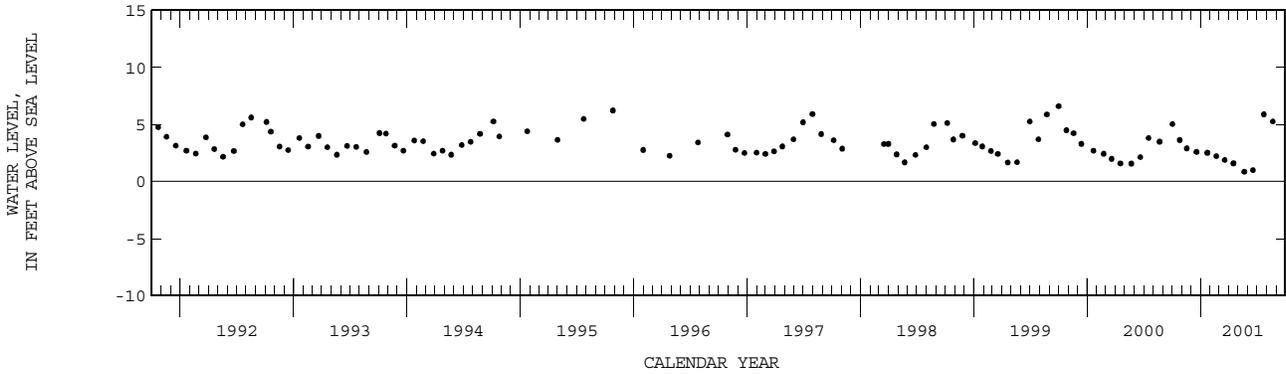
DATUM.--Land-surface datum is 5.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.76 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.50 ft NGVD, July 22, 1991; lowest, 0.84 ft NGVD, May 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	0933	5.03	APR 16...	1106	1.59
25...	1050	3.63	MAY 21...	1316	.84
NOV 17...	0936	2.90	JUN 18...	1148	.98
DEC 18...	1056	2.59	JUL 23...	1201	5.89
JAN 22...	1020	2.51	AUG 21...	1151	5.26
FEB 20...	1020	2.21			
MAR 19...	1056	1.88			



COLLIER COUNTY--Continued

WELL NUMBER.--260314081323102. Local Number C 1068.

LOCATION.--Lat 26°03'15", long 81°32'31", in SW ¼ NE ¼ SE ¼ sec.6, T.51 S., R.28 E., Hydrologic Unit 03090204, 25 ft south of Stewart Boulevard and 25 ft east of Everglades Boulevard, 6.3 mi south of Alligator Alley (I-75) on Everglades Boulevard. AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 200 ft cased to 120 ft, 80 ft of open hole. INSTRUMENTATION.--Monthly measurement with chalked tape.

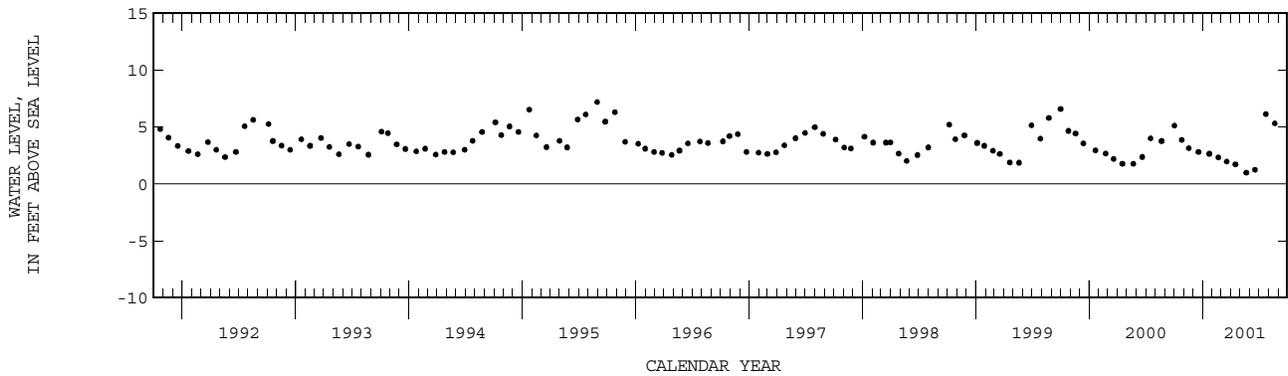
DATUM.--Land-surface datum is 5.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of rebar, 3.39 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.51 ft NGVD, July 22, 1991; lowest, 0.97 ft NGVD, May 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0938	5.10	16...	1107	1.71
25...	1052	3.86	MAY		
NOV			21...	1320	.97
17...	0933	3.13	JUN		
DEC			18...	1152	1.24
18...	1059	2.80	JUL		
JAN			23...	1210	6.12
22...	1022	2.64	AUG		
FEB			21...	1155	5.30
20...	1023	2.33			
MAR					
19...	1059	1.96			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260334081391601. Local Number C 968.

LOCATION.--Lat 26°03'37", long 81°39'15", in SE ¼ NE ¼ sec.1, T.51 S., R.26 E., Hydrologic Unit 03090204, 150 ft west of Greenway Road, in drainage divide 1.75 mi north of US 41 and 11 mi southeast of Naples.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 23 ft, cased to 8 ft, open hole 8 to 23 ft.

INSTRUMENTATION.--Electronic data logger.

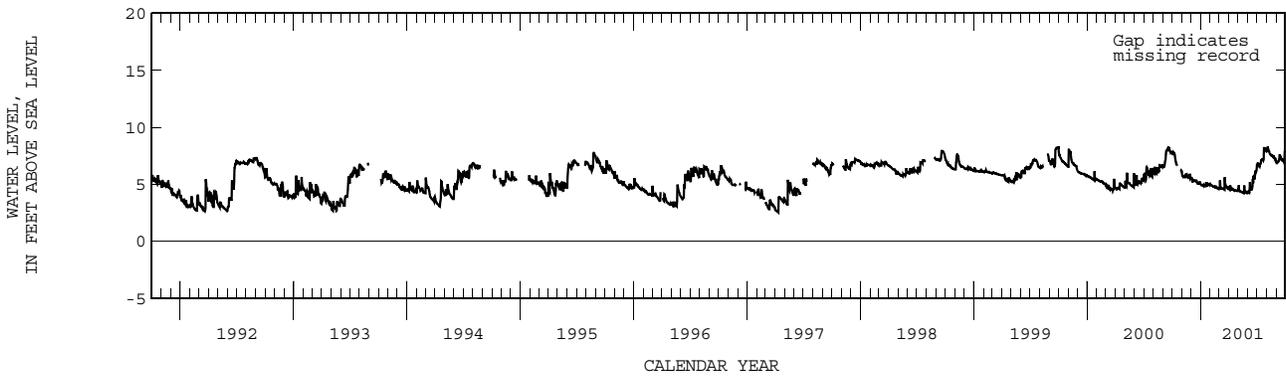
DATUM.--Land-surface datum is 6.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.26 ft NGVD, Sept. 17, 18, 2000; lowest, 2.00 ft NGVD, June 2, 1989 (estimated).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.84	5.69	5.25	4.92	4.95	4.82	4.93	4.42	4.30	6.84	8.23	6.94
10	7.35	5.68	5.38	4.89	4.81	4.63	4.60	4.37	4.48	6.74	7.80	7.22
15	6.74	5.83	5.29	4.85	4.80	4.61	4.57	4.30	4.71	7.17	7.56	7.40
20	---	5.71	5.17	5.11	4.73	5.01	4.47	4.23	5.56	7.18	7.51	7.19
25	---	5.69	5.10	4.94	4.67	4.74	4.45	4.33	6.04	8.20	7.42	7.02
EOM	6.16	5.52	5.04	4.96	4.67	4.69	4.51	4.23	6.36	8.01	7.00	7.76
MAX	7.85	6.13	5.62	5.11	5.01	5.62	4.93	4.92	6.36	8.20	8.24	7.90



COLLIER COUNTY--Continued

WELL NUMBER.--260549081441901. Local Number C 600.

LOCATION.--Lat 26°05'52", long 81°44'19", in NW ¼ SE ¼ sec.19, T.50 S., R.26 E., Hydrologic Unit 03090204, at northeast corner of the intersection of Saint Andrews Boulevard and US 41, 4.2 mi northwest of Belle Meade and 5.0 mi southeast of Naples.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 52 ft, cased to 48 ft, slotted 48 to 52 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. PVC coupling, 3.26 ft above land-surface datum.

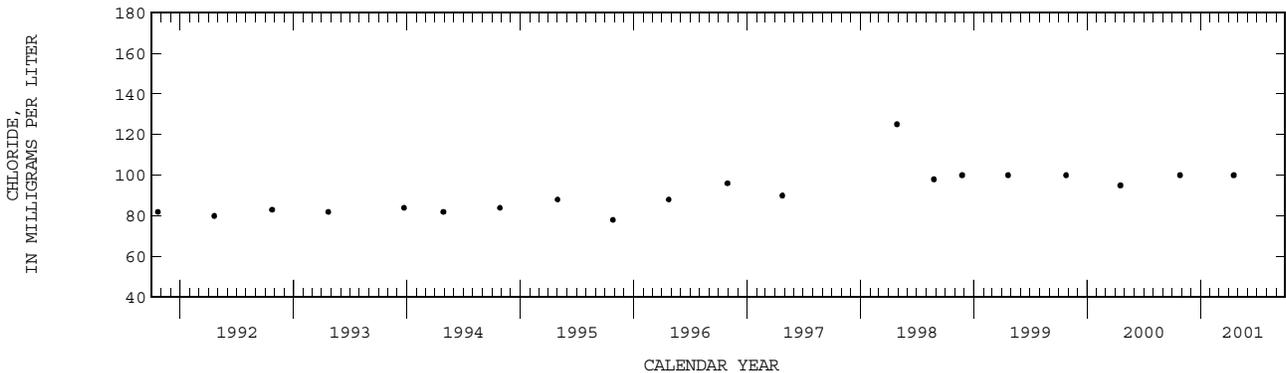
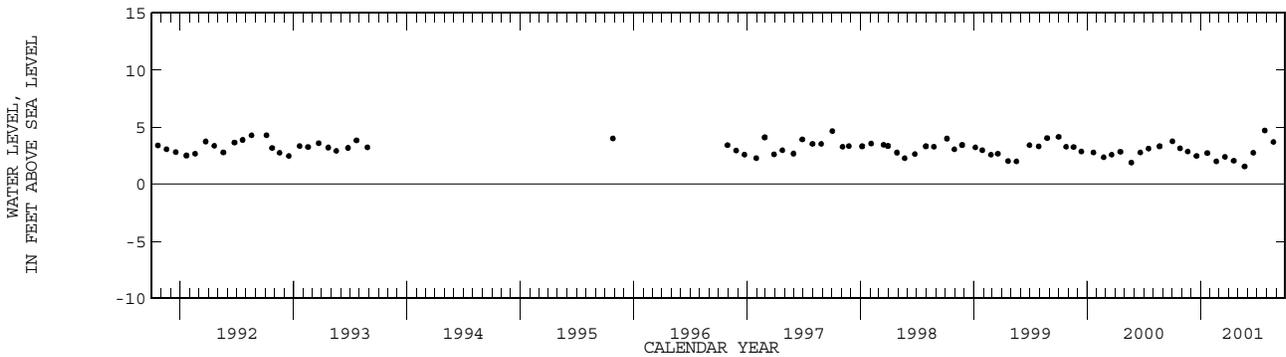
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--October 1980 to September 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.77 ft NGVD, Aug. 24, 1995; lowest, 1.10 ft NGVD, Apr. 22, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
02...	1701	--	--	3.76	17...	1207	855	100	2.05
26...	1503	890	100	3.14	MAY				
NOV					22...	1406	--	--	1.55
20...	0757	--	--	2.86	JUN				
DEC					19...	1319	--	--	2.74
18...	1814	--	--	2.46	JUL				
JAN					26...	1423	--	--	4.71
22...	1650	--	--	2.73	AUG				
FEB					23...	1045	--	--	3.69
20...	1650	--	--	1.99					
MAR									
20...	1334	--	--	2.39					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260632081324702. Local Number C 690.

LOCATION.--Lat 26°06'34", long 81°32'35", in SW ¼ SE ¼ sec.12, T.50 S., R.28 E., Hydrologic Unit 03090204, 30 ft southeast of the intersection of 70th Street and Everglades Boulevard, 3.1 mi south of I-75, 8.5 mi northeast of Royal Palm Hammock and 15.7 mi east of Naples.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 48 ft, cased to 43 ft, screened 43 to 48 ft.

INSTRUMENTATION.--Electronic data logger.

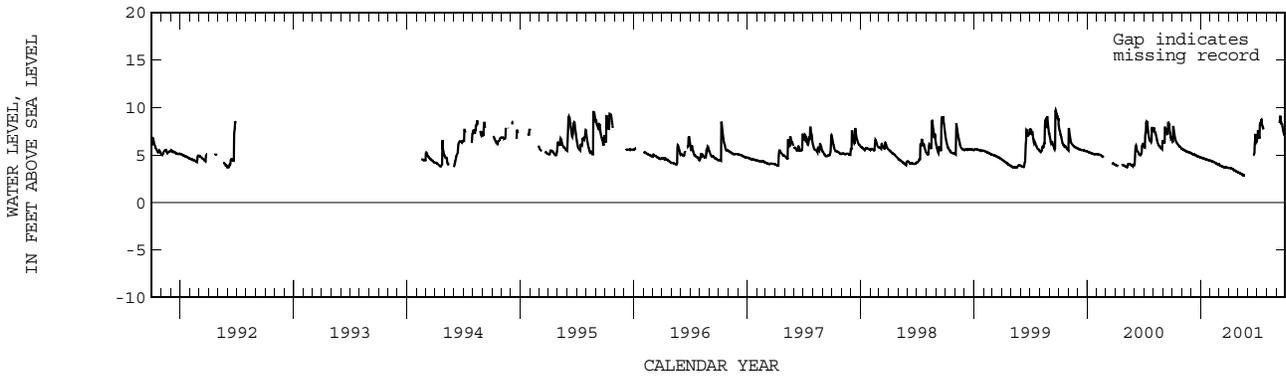
DATUM.--Land-surface datum is 8.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--October 1980 to June 1992 (daily), July 1992 to January 1994 (monthly), February 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.07 ft NGVD, July 24, 25, 1985; lowest, 2.50 ft NGVD, June 22, 1989, May 15, 20, 21, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.91	5.59	5.10	4.69	4.36	3.88	3.63	3.13	---	7.53	---	---
10	6.77	5.50	5.03	4.64	4.30	3.82	3.59	3.04	---	8.22	---	---
15	6.33	5.42	4.99	4.59	4.20	3.75	3.53	2.95	---	8.73	---	8.90
20	6.08	5.33	4.89	4.53	4.11	3.70	3.38	2.84	5.00	7.94	---	8.26
25	5.88	5.29	4.83	4.48	4.02	3.69	3.30	---	7.15	---	---	7.33
EOM	5.69	5.20	4.75	4.42	3.97	3.65	3.20	---	6.37	---	---	---
MAX	8.05	5.67	5.18	4.74	4.41	3.96	3.64	3.18	7.22	8.73	---	9.13



COLLIER COUNTY--Continued

WELL NUMBER.--260640081204301. Local Number C 296.

LOCATION.--Lat 26°06'45", long 81°20'42", in SE ¼ SE ¼ sec.18, T.50 S., R.30 E., Hydrologic Unit 03090204, west of SR-29, 3 mi south of I-75, and 10.8 mi north of Copeland.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 45 ft, cased to 8 ft, open hole 8 to 45 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 14.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.06 ft above land-surface datum.

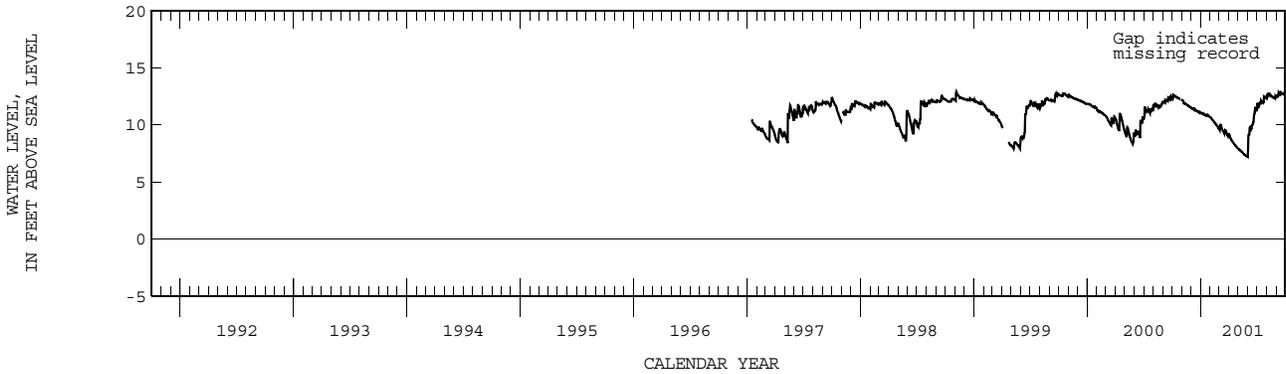
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--June 1959 to October 1984 (daily), November 1984 to December 1996 (monthly), January 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.06 ft NGVD, Sept. 12, 1960; lowest, 6.19 ft NGVD, June 4, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.60	12.13	11.43	11.01	10.54	10.02	8.94	7.84	9.18	11.73	12.81	12.51
10	12.53	11.87	11.41	10.98	10.37	9.70	8.69	7.72	9.82	11.93	12.63	12.75
15	12.44	11.83	11.32	10.88	10.20	9.41	8.48	7.58	9.98	12.11	12.58	12.89
20	12.37	11.72	11.22	10.87	10.01	9.54	8.29	7.46	10.53	11.93	12.47	12.71
25	12.29	11.61	11.13	10.83	9.81	9.26	8.12	7.34	11.58	12.45	12.38	12.70
EOM	12.21	11.52	11.10	10.68	9.70	9.21	7.95	7.24	11.37	12.34	12.47	12.97
MAX	12.65	12.20	11.49	11.07	10.66	10.02	9.21	7.92	11.58	12.48	12.81	13.05



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260813081214302. Local Number C 1070.

LOCATION.--Lat 26°09'15", long 81°21'43", in NE ¼ NE ¼ sec.1, T.50 S., R.29 E., Hydrologic Unit 03090204, 45 ft south of Alligator Alley (I-75), 1.0 mi west of State Road 29 on I-75, 7.9 mi southwest of Sunniland.

AQUIFER.--Lower Tamiami aquifer of Miocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 205 ft, cased to 100 ft, 105 ft of open hole. INSTRUMENTATION.--Monthly measurement with chalked tape.

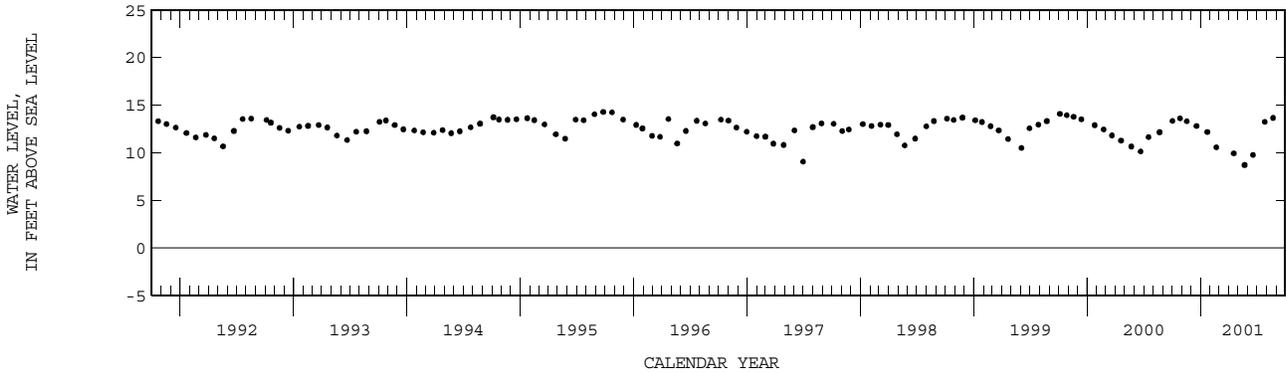
DATUM.--Land-surface datum is 13.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.03 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.30 ft NGVD, Sept. 25, 1995; lowest, 7.10 ft NGVD, June 26, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1142	13.35	17...	0808	9.94
26...	0940	13.62	MAY		
NOV			22...	0800	8.72
17...	1315	13.31	JUN		
DEC			18...	0954	9.78
18...	1538	12.81	JUL		
JAN			26...	1036	13.25
22...	1419	12.19	AUG		
FEB			22...	1500	13.67
20...	1410	10.57			



COLLIER COUNTY--Continued

WELL NUMBER.--260843081324201. Local Number C 973.

LOCATION.--Lat 26°08'44", long 81°32'37", in SW ¼ NE ¼ sec.6, T.50 S., R.28 E., Hydrologic Unit 03090204, at the northwest corner of 50th Street and Everglades Boulevard, 0.5 mi south of I-75 and 15.75 mi east of Naples.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 150 ft, cased to 90 ft, open hole 90 to 150 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

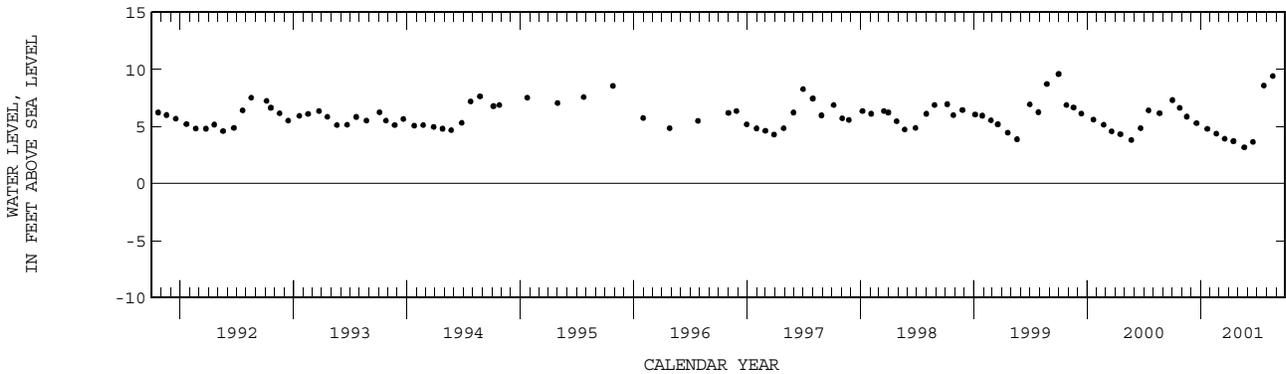
DATUM.--Land-surface datum is 11.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land-surface datum.

PERIOD OF RECORD.--November 1984 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.15 ft NGVD, Sept. 25, 1985; lowest, 3.06 ft NGVD, May 25, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0905	7.31	16...	1026	3.71
25...	1026	6.63	MAY		
NOV			21...	1230	3.17
17...	0905	5.86	JUN		
DEC			18...	1117	3.64
18...	1018	5.29	JUL		
JAN			23...	1024	8.59
22...	0955	4.78	AUG		
FEB			21...	1102	9.42
20...	0954	4.37			
MAR					
19...	1003	3.91			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260843081324202. Local Number C 972.

LOCATION.--Lat 26°08'44", long 81°32'37", in SW ¼ NE ¼ sec.6, T.50 S., R.28 E., Hydrologic Unit 03090204, at the northwest corner of 50th Street and Everglades Boulevard, 0.5 mi south of I-75 and 15.75 mi east of Naples.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 25 ft, open hole 25 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

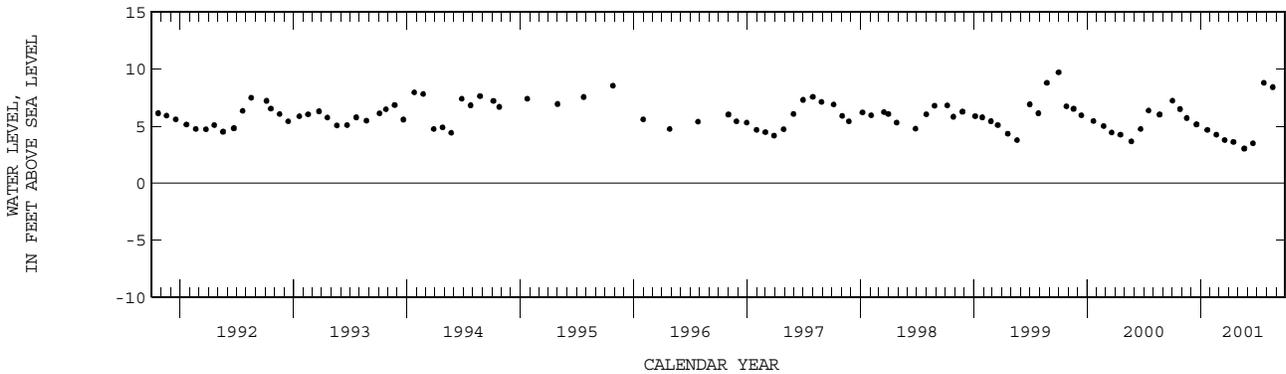
DATUM.--Land-surface datum is 11.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.41 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.90 ft NGVD, Aug. 29, 1985; lowest, 2.99 ft NGVD, May 25, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0859	7.22	16...	1024	3.60
26...	1023	6.48	MAY		
NOV			21...	1229	3.02
17...	0901	5.70	JUN		
DEC			18...	1114	3.48
18...	1013	5.14	JUL		
JAN			23...	1021	8.79
22...	0953	4.65	AUG		
FEB			21...	1059	8.41
20...	0951	4.24			
MAR					
19...	0958	3.77			



COLLIER COUNTY--Continued

WELL NUMBER.--260902081480401. Local Number C 130.

LOCATION.--Lat 26°09'01", long 81°48'23", in NE ¼ NW ¼ NE ¼ sec.4, T.50 S., R.25 E., Hydrologic Unit 03090204, on the north side of 4th Avenue, 300 ft east of North Gulf Shore Boulevard, in Naples.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 71 ft, cased to 69 ft, open hole 69 to 71 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.10 ft above land-surface datum. (Corrected).

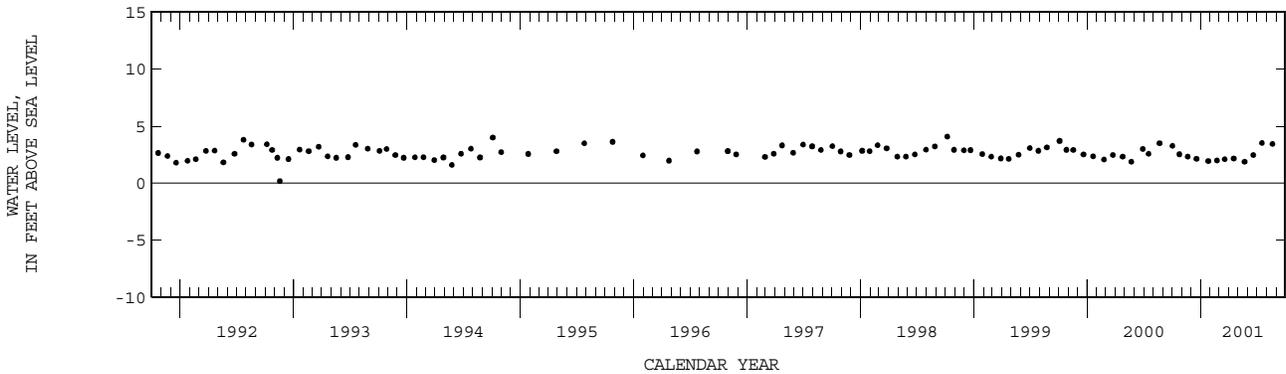
REMARKS.--Records of water levels prior to October 1983 are available in files of the Geological Survey.

PERIOD OF RECORD.--June 1952 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.06 ft NGVD, Oct. 7, 1998; lowest, 0.03 ft NGVD, May 7, 1974.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1020	3.26	17...	1000	2.15
24...	0940	2.52	MAY		
NOV			22...	0940	1.86
20...	1300	2.32	JUN		
DEC			19...	1000	2.44
18...	1100	2.12	JUL		
JAN			17...	1010	3.50
25...	0950	1.93	AUG		
FEB			20...	1000	3.43
22...	0950	1.97			
MAR					
19...	0950	2.09			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260915081385901. Local Number C 976.

LOCATION.--Lat 26°09'16", long 81°38'47", in SW ¼ SW ¼ sec.31, T.49 S., R.27 E., Hydrologic Unit 03090204, 32 ft south of I-75, 1.20 mi east of Naples.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 10 ft, open hole 10 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

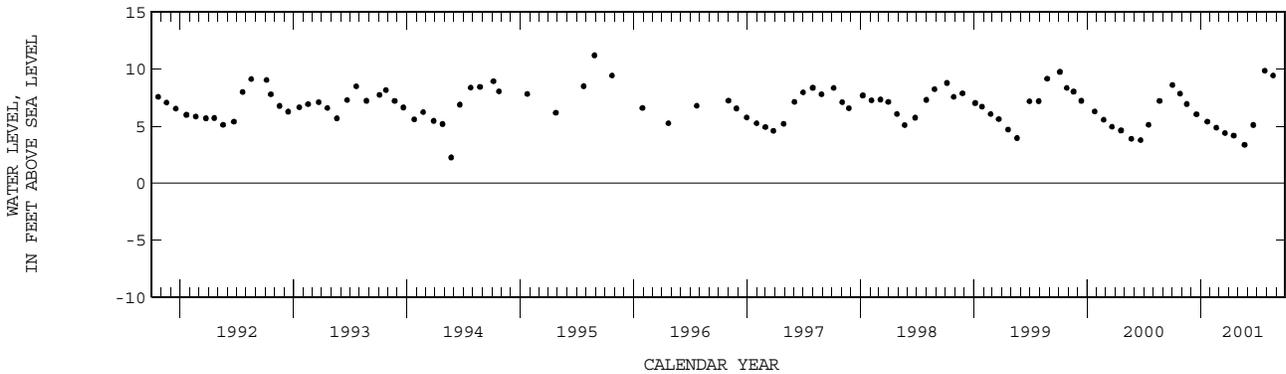
DATUM.--Land-surface datum is 10.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.30 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.20 ft NGVD, Aug. 28, 1995; lowest, 2.24 ft NGVD, May 23, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1720	8.60	17...	0740	4.16
26...	0901	7.83	MAY		
NOV			22...	0733	3.35
17...	1343	6.93	JUN		
DEC			19...	0922	5.09
18...	1521	6.03	JUL		
JAN			26...	1016	9.84
22...	1400	5.37	AUG		
FEB			22...	1430	9.43
20...	1353	4.85			
MAR					
20...	0818	4.38			



COLLIER COUNTY--Continued

WELL NUMBER.--260915081385902. Local Number C 977.

LOCATION.--Lat 26°09'16", long 81°38'47", in SW ¼ SW ¼ sec.31, T.49 S., R.27 E., Hydrologic Unit 03090204, 32 ft south of I-75 and 9 mi east of Naples.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 140 ft, cased to 75 ft, open hole 75 to 140 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.99 ft above land-surface datum.

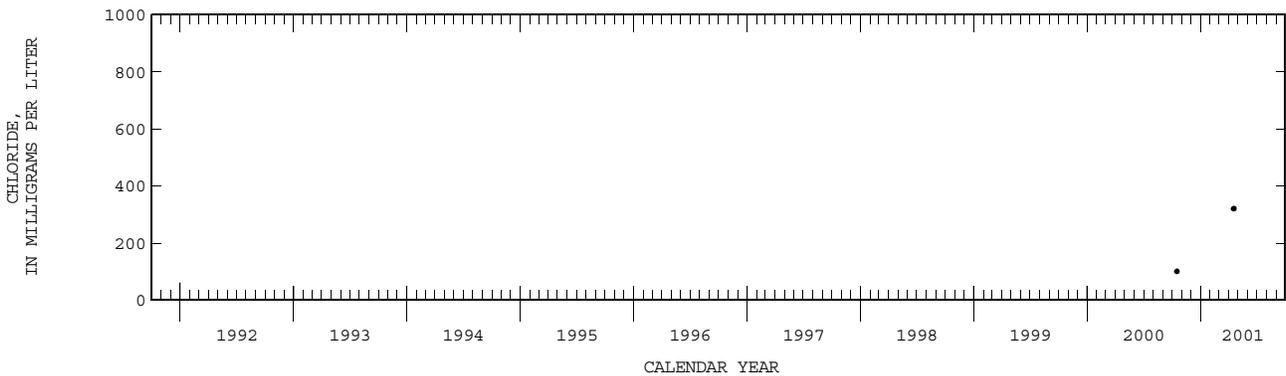
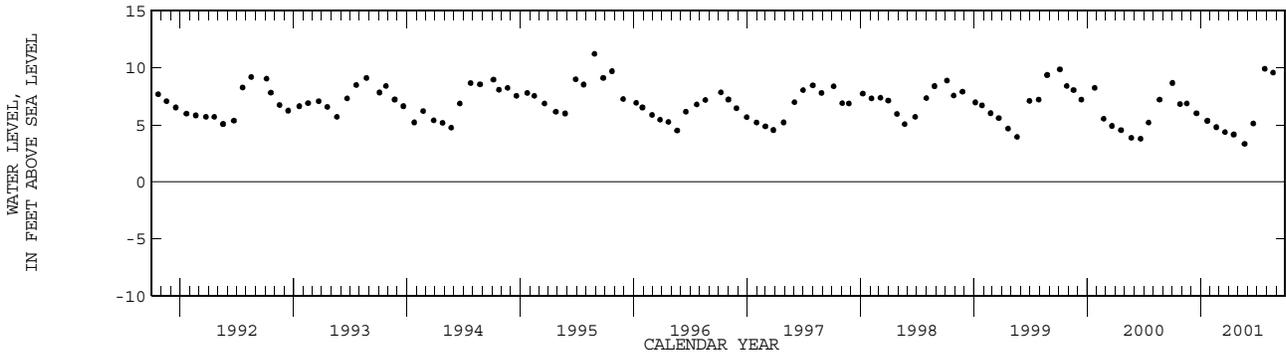
REMARKS.--Well is also used for salinity monitoring. This well is obstructed at a depth of 128 ft making it impossible to collect a sample from the bottom of the well. Samples are collected from a depth of 128 ft. Sampling procedures for this well were reassessed in 2001. Data collected prior to 2001 is available in the files of the USGS.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.21 ft NGVD, Aug. 28, 1995; lowest, 3.31 ft NGVD, May 22, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
02...	1723	--	--	8.66	17...	0741	1760	320	4.14
26...	0904	1230	100	6.81	MAY				
NOV					22...	0743	--	--	3.31
17...	1340	--	--	6.86	JUN				
DEC					19...	0924	--	--	5.10
18...	1518	--	--	6.00	JUL				
JAN					26...	1018	--	--	9.90
22...	1402	--	--	5.34	AUG				
FEB					22...	1432	--	--	9.56
20...	1349	--	--	4.78					
MAR									
20...	0820	--	--	4.35					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260919081460501. Local Number C 1052.

LOCATION.--Lat 26°11'41", long 81°46'10", in NW ¼ SE ¼ SE ¼ sec.35, T.49 S., R.25 E., Hydrologic Unit 03090204, 250 ft west and 1100 ft north of Junction of CR-31 and SR-856, 1.5 mi east of Naples Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft below land-surface datum. Prior to October, 2000 land-surface datum was considered to be 7.26 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 0.79 ft above land-surface datum. See REMARKS.

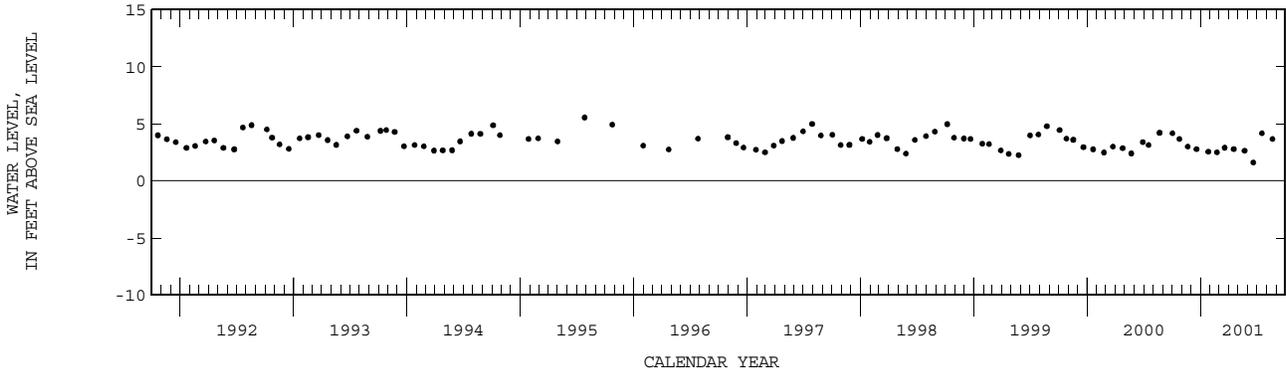
REMARKS.--In the 2001 water year the well was resurveyed and the land-surface datum and height of the measuring point were adjusted accordingly. The figures of water levels as elevation, in feet NGVD, published prior to October 2000 are in error. These figures have not been corrected. See DATUM.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.62 ft NGVD, July 27, 1995 (revised to current datum); lowest, 1.60 ft NGVD, June 19, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0950	4.17	17...	0945	2.78
24...	0915	3.66	MAY		
NOV			22...	0920	2.64
20...	1240	2.99	JUN		
DEC			19...	0945	1.60
18...	1040	2.77	JUL		
JAN			17...	0940	4.17
25...	0940	2.55	AUG		
FEB			20...	0950	3.66
22...	0920	2.50			
MAR					
19...	0945	2.90			



COLLIER COUNTY--Continued

WELL NUMBER.--260925081475101. Local Number C 1062.

LOCATION.--Lat 26°09'28", long 81°47'51", in SW 1/4 NW 1/4 SW 1/4 sec.34, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft south of South Golf Drive and 100 ft west of US 41, 2.8 mi northwest of Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 24 ft, cased to 10 ft, 14 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.70 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 10.77 ft above National Geodetic Vertical Datum of 1929 and the measuring point was considered to be 3.20 ft above land-surface datum. See REMARKS.

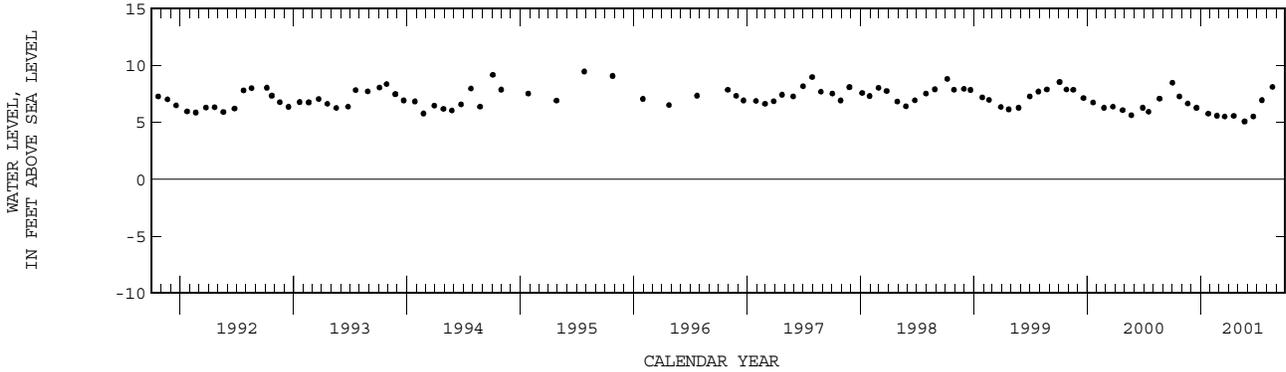
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.45 ft NGVD, July 26, 1995; lowest, 4.31 ft NGVD, May 26, 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1040	8.47	17...	1015	5.55
24...	0945	7.27	MAY		
NOV			22...	0945	5.07
20...	1310	6.64	JUN		
DEC			19...	1015	5.51
18...	1110	6.27	JUL		
JAN			17...	1030	6.94
25...	1005	5.75	AUG		
FEB			20...	1010	8.10
22...	1000	5.57			
MAR					
19...	1000	5.50			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--260941081324201. Local Number C 974.

LOCATION.--Lat 26°09'40", long 81°32'39", in SW ¼ NE ¼ sec.31, T.49 S., R.28 E., Hydrologic Unit 03090204, 30 ft south of 38th Street, 100 ft west of Everglades Boulevard, 0.5 mi north of I-75 and 15.75 mi east of Naples.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 460 ft, cased to 400 ft, open hole 400 to 460 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

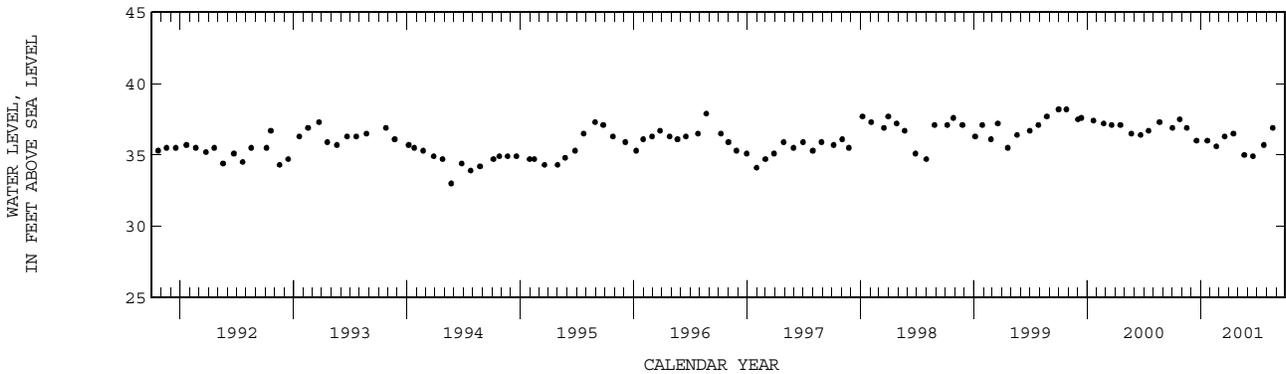
DATUM.--Land-surface datum is 10.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft NGVD, Jan. 28, 1991; lowest, 29.1 ft NGVD, June 17, 1991.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0853	36.90	16...	1014	36.50
25...	1014	37.50	MAY		
NOV			21...	1224	35.00
17...	0858	36.90	JUN		
DEC			18...	1107	34.90
18...	1008	36.00	JUL		
JAN			23...	1012	35.70
22...	0947	36.00	AUG		
FEB			21...	1051	36.90
20...	0946	35.60			
MAR					
19...	0953	36.30			



COLLIER COUNTY--Continued

WELL NUMBER.--261000080520001. Local Number C 54.

LOCATION.--Lat 26°10'21", long 80°53'00", in SW ¼ SE ¼ sec.36, T.49 S., R.34 E., Hydrologic Unit 03090204, on the south side of I-75, 0.3 mi west of Broward/Collier Line, 2.4 mi west of pump station 140 and 6.0 mi south of Big Cypress Indian Reservation.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 8.5 ft, cased to 7.2 ft, gravel-packed 7.2 to 8.5 ft.

INSTRUMENTATION.--Electronic data logger.

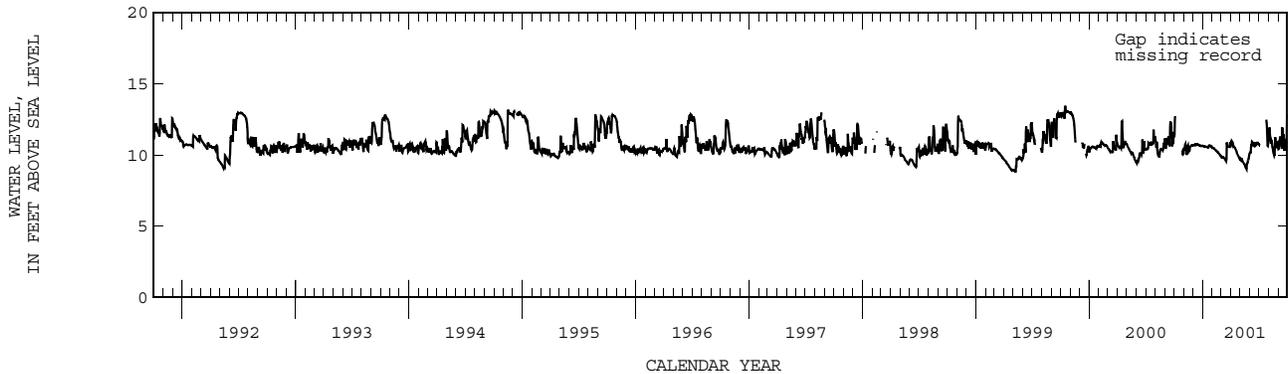
DATUM.--Land-surface datum is 12.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.88 ft above land-surface datum.

PERIOD OF RECORD.--February 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.81 ft NGVD, Oct. 9, 1953; lowest, 7.81 ft NGVD, June 13, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	10.72	10.67	10.62	10.48	9.86	10.94	9.73	10.52	---	11.58	10.90
10	---	10.00	10.72	10.59	10.37	9.80	10.67	9.55	10.87	---	11.05	10.90
15	---	10.39	10.75	10.56	10.27	9.65	10.49	9.35	10.85	---	10.36	11.48
20	---	10.51	10.68	10.62	10.16	10.75	10.22	9.12	10.75	---	10.04	10.56
25	---	10.68	10.65	10.66	10.01	10.59	9.96	9.43	10.83	12.28	10.57	11.01
EOM	10.20	10.70	10.65	10.51	9.94	10.79	9.73	10.07	10.80	10.99	10.78	12.65
MAX	12.74	10.76	10.76	10.68	10.51	10.87	10.94	10.07	10.95	12.49	11.93	12.79



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261018081484101. Local Number C 526.

LOCATION.--Lat 26°10'18", long 81°48'42", in NW ¼ SW ¼ SE ¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, at the southeast corner of Gulf Shore Boulevard and Mooring Line Drive, 1.3 mi northwest of the Naples Post Office.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 68 ft, cased to 63 ft, open hole 63 to 68 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

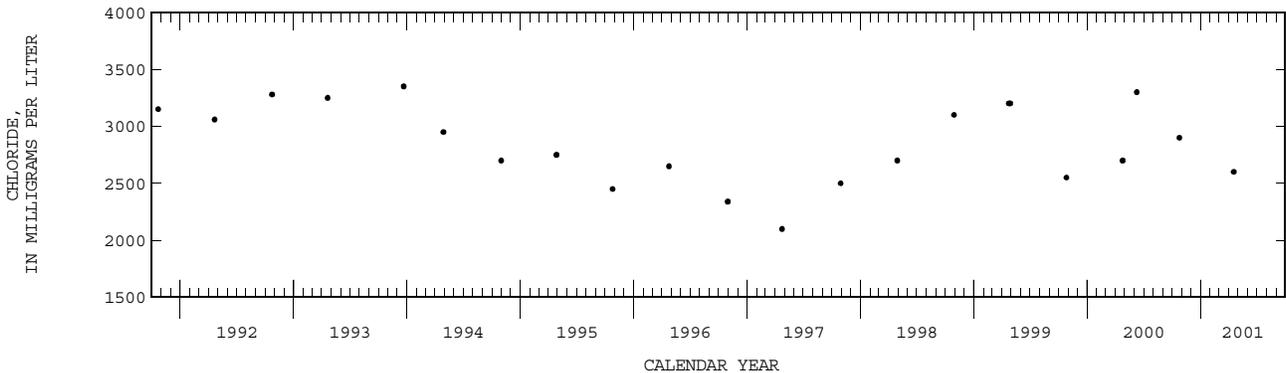
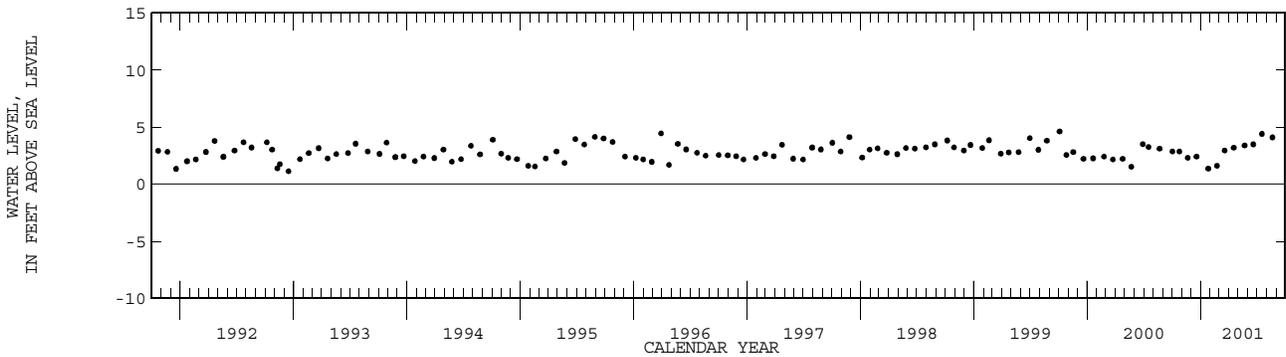
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1983 are available in files of the Geological Survey.

PERIOD OF RECORD.--September 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft NGVD, Oct. 4, 1999; lowest, 0.47 ft below NGVD, May 7, 1974.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1045	--	--	2.87	APR 17...	1045	10400	2600	3.19
24...	1020	10500	2900	2.86	MAY 22...	1000	--	--	3.39
NOV 20...	1315	--	--	2.31	JUN 19...	1030	--	--	3.49
DEC 18...	1115	--	--	2.41	JUL 17...	1040	--	--	4.41
JAN 25...	1020	--	--	1.36	AUG 20...	1030	--	--	4.10
FEB 22...	1010	--	--	1.61					
MAR 19...	1010	--	--	2.95					



COLLIER COUNTY--Continued

WELL NUMBER.--261023081463702. Local Number C 1100.

LOCATION.--Lat 26°11'41", long 81°46'10", in NW ¼ NE ¼ SW ¼ sec.26, T.49 S., R.25 E., Hydrologic Unit 03090204, 7.5 ft south of Golden Gate Parkway and 0.75 mi west of CR-31, 3.2 mi north of Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 16 ft, screened 11 to 16 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

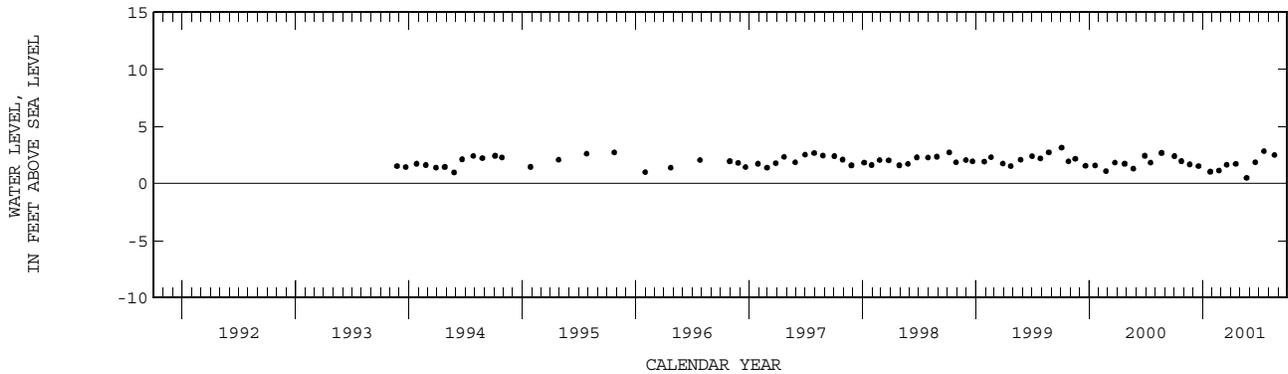
DATUM.--Land-surface datum is 6.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. PVC casing, 0.11 ft below land-surface datum.

PERIOD OF RECORD.--September 1993 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.13 ft NGVD, Oct. 4, 1999; lowest .48 ft NGVD, May 22, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0935	2.40	17...	0900	1.71
24...	0900	1.95	MAY		
NOV			22...	0900	.48
20...	1220	1.67	JUN		
DEC			19...	0930	1.85
18...	1030	1.51	JUL		
JAN			17...	0935	2.83
25...	0915	1.03	AUG		
FEB			20...	0940	2.50
22...	0900	1.13			
MAR					
19...	0925	1.64			



COLLIER COUNTY--Continued

WELL NUMBER.--261124081470101. Local Number C 392.

LOCATION.--Lat 26°11'24", long 81°47'29", in NE ¼ SW ¼ SW ¼ sec.22, T.49 S., R.25 E., Hydrologic Unit 03090204, 30 ft east of SR-851, 1.4 mi south of SR-896, and 4.7 mi northeast of Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 30 ft, casing 28 ft, open hole 28 to 30 ft. INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 9.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 0.15 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 10.00 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 0.02 ft below land-surface datum. See REMARKS.

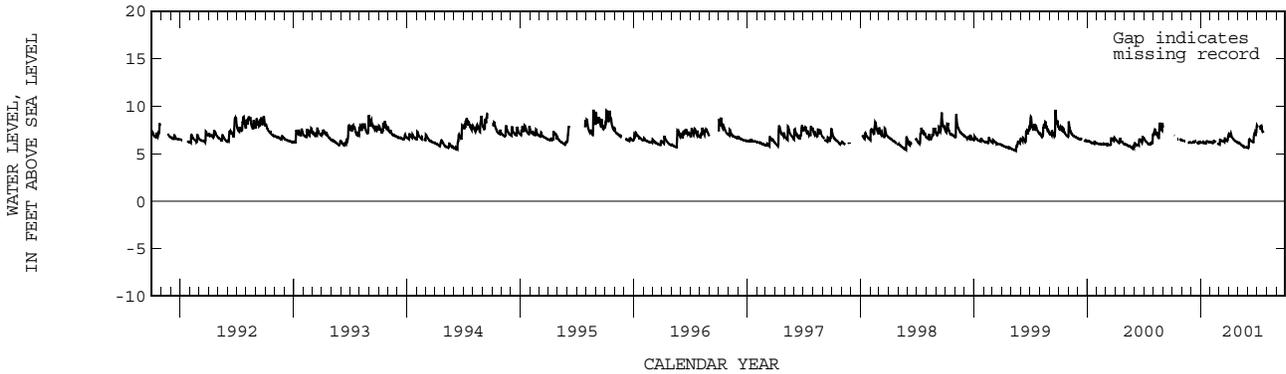
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey. In the 2001 water year the station was reconstructed and resurveyed. The land-surface datum and height of the measuring point were adjusted accordingly. The change in the overall measuring point was solely a function of the reconstruction effort. The figures of water levels as elevation, in feet NGVD, published prior to October 2000 are not affected by this change. See DATUM.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.61 ft NGVD, Sept. 20, 1999; lowest, 3.00 ft NGVD, May 24, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	6.38	6.20	6.20	6.17	6.49	6.98	6.16	6.50	---	---	---
10	---	6.36	6.28	6.22	6.14	6.36	6.89	5.97	6.41	7.94	---	---
15	---	---	6.29	6.12	6.30	6.29	6.60	5.81	6.27	7.94	---	---
20	6.60	---	6.18	6.32	---	6.62	6.40	5.77	6.83	7.28	---	---
25	6.53	6.22	6.13	6.25	6.05	6.38	6.29	5.68	7.08	---	---	---
EOM	6.43	6.17	6.21	6.24	6.05	7.03	6.16	5.65	7.84	---	---	---
MAX	6.96	6.43	6.33	6.32	6.37	7.03	7.11	6.18	7.84	8.03	---	---



COLLIER COUNTY--Continued

WELL NUMBER.--261124081470301. Local Number C 391.

LOCATION.--Lat 26°11'24", long 81°47'32", in NW ¼ SE ¼ SE ¼ sec.22, T.49 S., R.25 E., Hydrologic Unit 03090204, 10 ft east of North 14th Street, 1.4 mi south of SR-896, and 4.7 mi northeast of Collier County Government Center.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 75 ft, cased to 70 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 9.38 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.78 ft above land-surface datum.

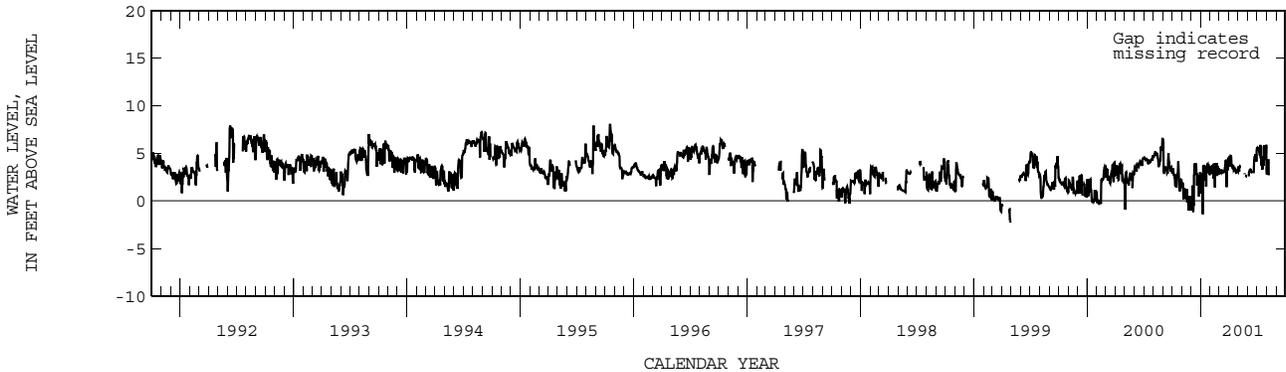
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.70 ft NGVD, May 24, 1991; lowest, 6.21 ft below NGVD, May 5, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.87	1.64	1.63	2.84	2.83	3.19	3.61	3.58	2.95	5.50	2.96	---
10	1.66	1.19	2.69	3.68	3.75	3.22	3.88	---	3.19	4.80	---	---
15	2.77	.18	3.60	2.17	1.43	2.91	3.59	---	3.10	3.74	---	---
20	4.17	.17	1.61	2.97	3.90	3.53	3.36	---	3.09	4.56	---	---
25	1.11	.34	2.35	3.80	3.36	1.46	3.00	2.68	4.68	4.35	---	---
EOM	2.07	-.44	2.63	3.40	3.32	4.53	3.23	---	5.34	3.37	---	---
MAX	4.17	1.84	3.88	3.89	3.93	4.53	4.69	3.65	5.34	5.90	4.37	---



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261127081461001. Local Number C 1054.

LOCATION.--Lat 26°11'41", long 81°46'10", in NE ¼ SE ¼ NE ¼ sec.23, T.49 S., R.25 E., Hydrologic Unit 03090204, 500 ft west of CR-31 and 10 ft south of Baily Lane and 1.4 mi south of Pine Ridge Road (SR-896), 4.4 mi north of Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

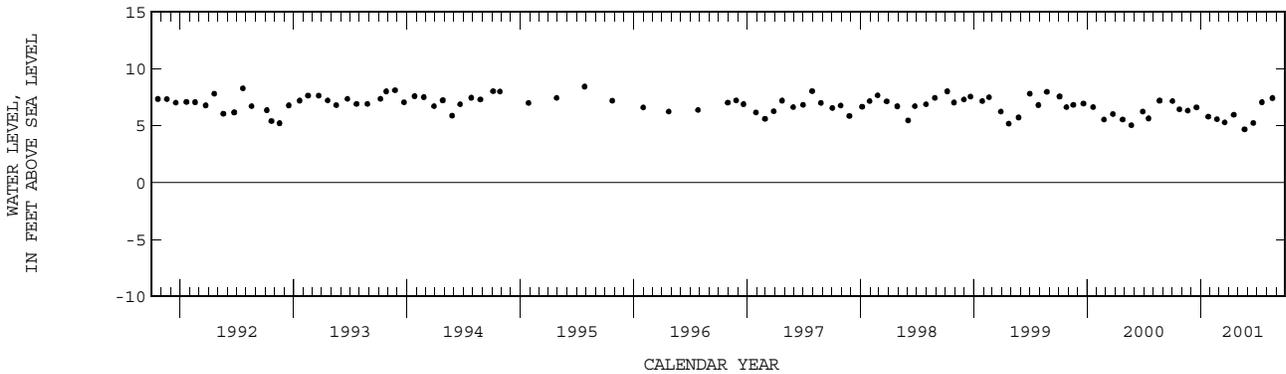
DATUM.--Land-surface datum is 8.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.15 ft NGVD, June 28, 1989; lowest, 4.67 ft NGVD, May 22, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0930	7.14	17...	0845	5.95
24...	0850	6.43	MAY		
NOV			22...	0850	4.67
20...	1200	6.31	JUN		
DEC			19...	0910	5.23
18...	1005	6.60	JUL		
JAN			17...	0915	7.05
25...	0910	5.78	AUG		
FEB			20...	0905	7.41
22...	0850	5.55			
MAR					
19...	0915	5.28			



COLLIER COUNTY--Continued

WELL NUMBER.--261156081475801. Local Number C 516.

LOCATION.--Lat 26°11'56", long 81°47'58", in SW ¼ SW ¼ sec.15, T.49 S., R.25 E., Hydrologic Unit 03090204, 18 ft south of Morningside Drive, 300 ft east of US 41 in Naples.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 63 ft, cased to 46 ft, open hole 46 to 63 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, .30 ft below land-surface datum. Prior to October 2000 land-surface datum was considered to be 7.99 ft above National Geodetic

Vertical Datum of 1929 and measuring point was considered to be 2.39 ft above land-surface datum. See REMARKS.

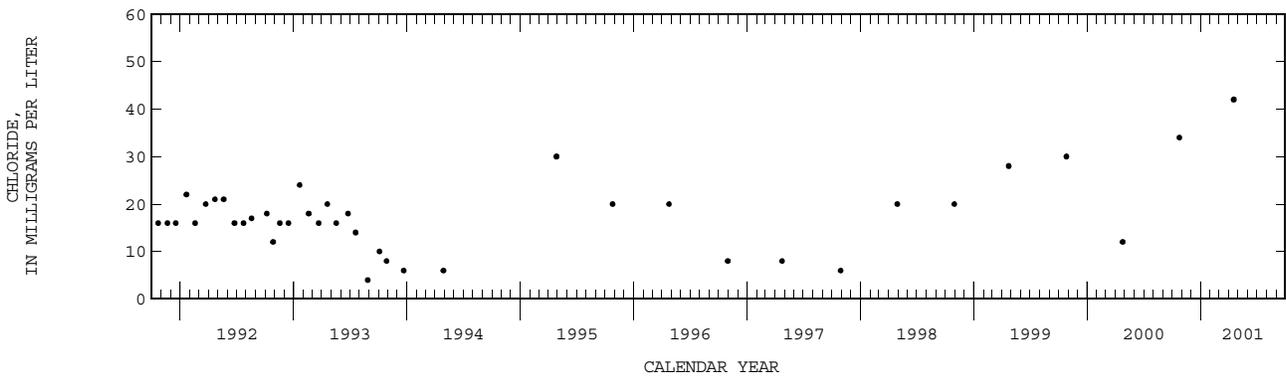
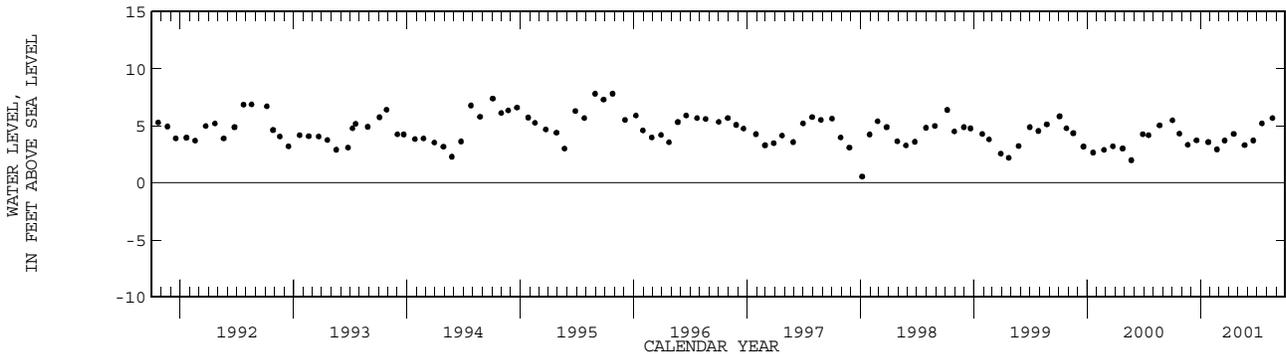
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1984 are available in files of the Geological Survey. In the 2001 water year the well was resurveyed and the land-surface datum and height of the measuring point were adjusted accordingly. The figures of water levels as elevation, in feet NGVD, published prior to October 2000 are in error. These figures have not been corrected. See DATUM.

PERIOD OF RECORD.--October 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.84 ft NGVD, Aug. 30, Oct. 25, 1995 (revised to current datum); lowest, 3.88 ft below NGVD, May 7, 1974 (revised to current datum).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1105	--	--	5.48	APR 17...	1130	565	42.0	4.29
24...	1105	610	34.0	4.31	MAY 22...	1030	--	--	3.31
NOV 20...	1330	--	--	3.33	JUN 19...	1050	--	--	3.71
DEC 18...	1130	--	--	3.72	JUL 17...	1110	--	--	5.21
JAN 25...	1035	--	--	3.57	AUG 20...	1055	--	--	5.68
FEB 22...	1030	--	--	2.93					
MAR 19...	1025	--	--	3.71					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261200081204901. Local Number C 986.

LOCATION.--Lat 26°12'03", long 81°20'48", in SE ¼ SE ¼ sec.18, T.49 S., R.30 E., Hydrologic Unit 03090204, 30 ft south of Fakahatchee Conservancy Club Road, 71 ft west of SR-29, 3.4 mi north of I-75 and 15.5 mi south of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 28 ft, open hole 28 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

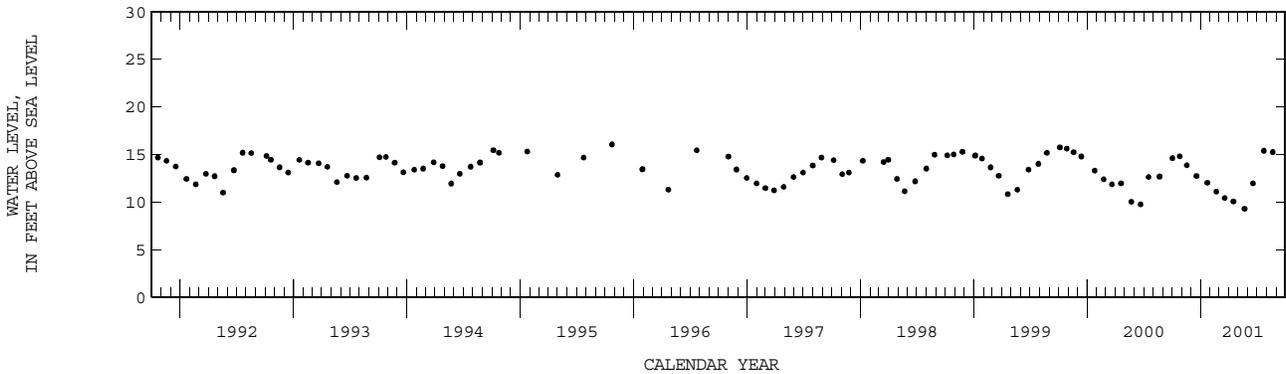
DATUM.--Land-surface datum is 16.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.06 ft NGVD, Oct. 23, 1995; lowest, 8.16 ft NGVD, June 26, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1125	14.62	16...	1249	10.06
25...	1214	14.81	MAY		
NOV			22...	0839	9.29
17...	1124	13.87	JUN		
DEC			18...	1334	11.97
18...	1305	12.74	JUL		
JAN			23...	1439	15.39
22...	1150	12.03	AUG		
FEB			21...	1438	15.26
20...	1147	11.09			
MAR					
19...	1248	10.41			



COLLIER COUNTY--Continued

WELL NUMBER.--261200081483001. Local Number C 528.

LOCATION.--Lat 26°11'59", long 81°48'30", in SE ¼ SW ¼ sec.16, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft east and 15 ft north of the intersection of Crayton Road and Turtle hatch Road and 2.25 mi northwest of the Naples Post Office.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 80 ft, cased to 63 ft, open hole 63 to 80 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 4.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

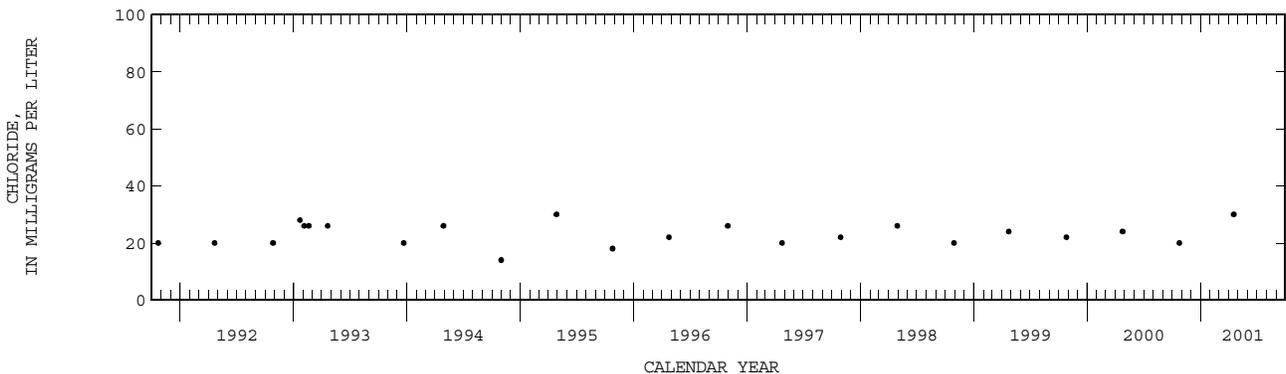
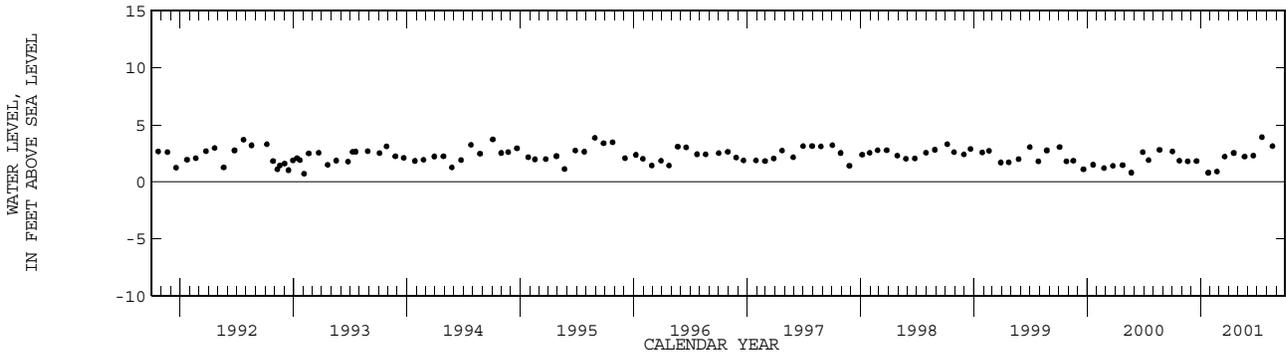
REMARKS.--Well is also used for salinity monitoring. The well was originally open to the aquifer from 63 to 80 ft. The open interval collapsed or became obstructed at a depth of 66 ft. During the 2001 water year chloride concentration samples were collected using a pump. The exact depth from which the chloride containing water emanated could not be further delineated.

PERIOD OF RECORD.--September 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, well flowing above 4.39 ft NGVD, July 29, 1985; lowest, 0.26 ft NGVD, June 12, 1989. (Corrected).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1100	--	--	2.65	APR 17...	1110	411	30.0	2.52
24...	1045	417	20.0	1.84	MAY 22...	1010	--	--	2.19
NOV 20...	1330	--	--	1.79	JUN 19...	1040	--	--	2.29
DEC 18...	1125	--	--	1.80	JUL 17...	1050	--	--	3.91
JAN 25...	1030	--	--	.79	AUG 20...	1040	--	--	3.12
FEB 22...	1020	--	--	.88					
MAR 19...	1015	--	--	2.19					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261211081441301. Local Number C 1055.

LOCATION.--Lat 26°09'12", long 81°41'09", in NE ¼ NE ¼ sec.18, T.49 S., R.26 E., Hydrologic Unit 03090204, 200 ft west of I-75 and 50 ft south of Pine Ridge Road (SR-896), 6 mi northeast of Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

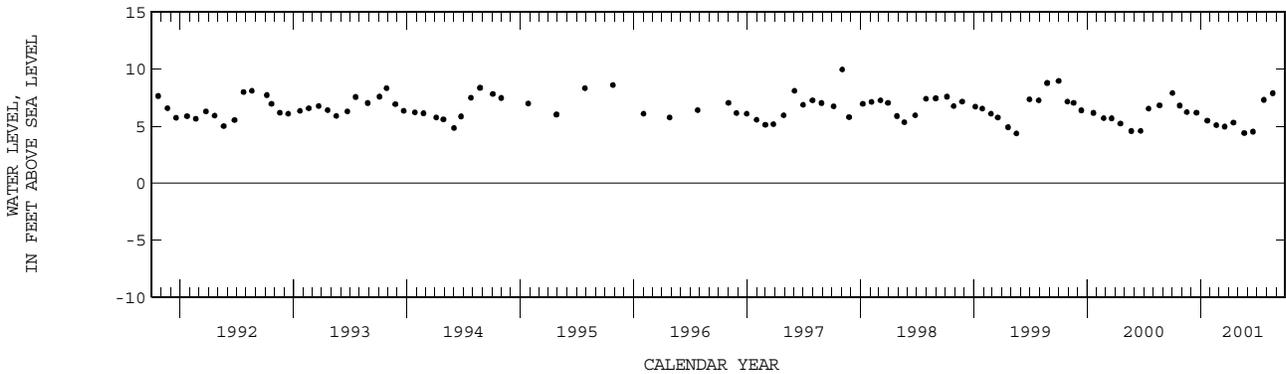
DATUM.--Land-surface datum is 9.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.95 ft NGVD, Nov. 3, 1997; lowest, 4.35 ft NGVD, May. 18, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0725	7.89	16...	0820	5.30
25...	0851	6.79	MAY		
NOV			21...	1017	4.38
17...	0728	6.21	JUN		
DEC			18...	0945	4.50
18...	0810	6.17	JUL		
JAN			23...	0824	7.29
22...	0818	5.47	AUG		
FEB			21...	0844	7.88
20...	0837	5.07			
MAR					
19...	0807	4.95			



COLLIER COUNTY--Continued

WELL NUMBER.--261243081480301. Local Number C 490.

LOCATION.--Lat 26°13'17", long 81°48'00", in NW ¼ SW ¼ NW ¼ sec.10, T.49 S., R.25 E., Hydrologic Unit 03090204, 1.5 ft west of Trail Boulevard, 10 ft north of Center Street, 100 ft east of US 41 and northwest of the Naples Post Office.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 71 ft, cased to 70 ft, open hole 70 to 71 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.55 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

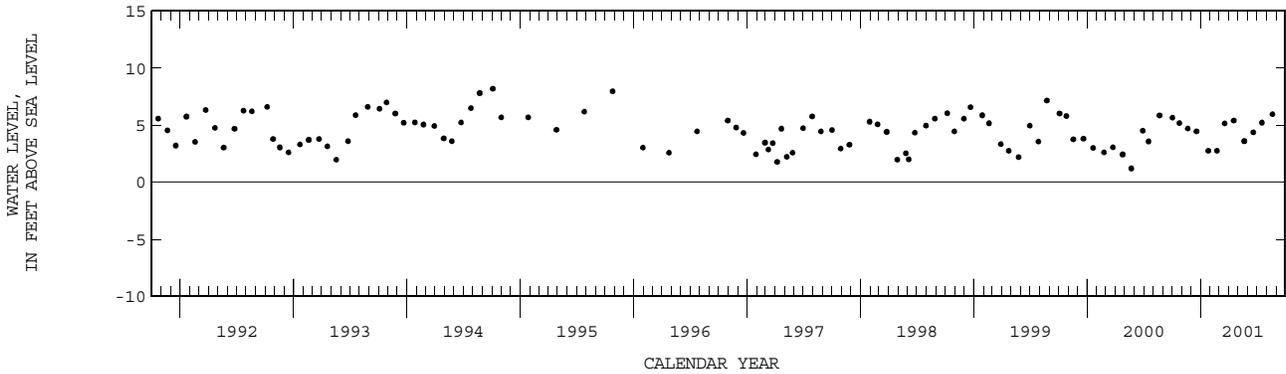
REMARKS.--Chloride and conductivity profiles are available in the files of the Geological Survey. Records of water levels prior to October 1983 are available in files of the Geological Survey.

PERIOD OF RECORD.--October 1975 to September 1980 (semiannual), October 1980 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.18 ft NGVD, Oct. 4, 1994; lowest, 0.32 ft below NGVD, May 13, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1150	5.65	17...	1140	5.40
24...	1445	5.17	MAY		
NOV			21...	1535	3.60
20...	1505	4.70	JUN		
DEC			19...	1100	4.37
18...	1345	4.45	JUL		
JAN			17...	1130	5.22
25...	1200	2.75	AUG		
FEB			20...	1320	5.95
22...	1135	2.75			
MAR					
19...	1315	5.15			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261302081473901. Local Number C 489.

LOCATION.--Lat 26°13'31", long 81°47'32", in SE ¼ SW ¼ SW ¼ sec.3, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft west of Ridge Drive, 300 ft south of North Street in Naples.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 83 ft, cased to 63 ft, open hole 63 to 83 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.46 ft above land-surface datum. (Corrected). See REMARKS.

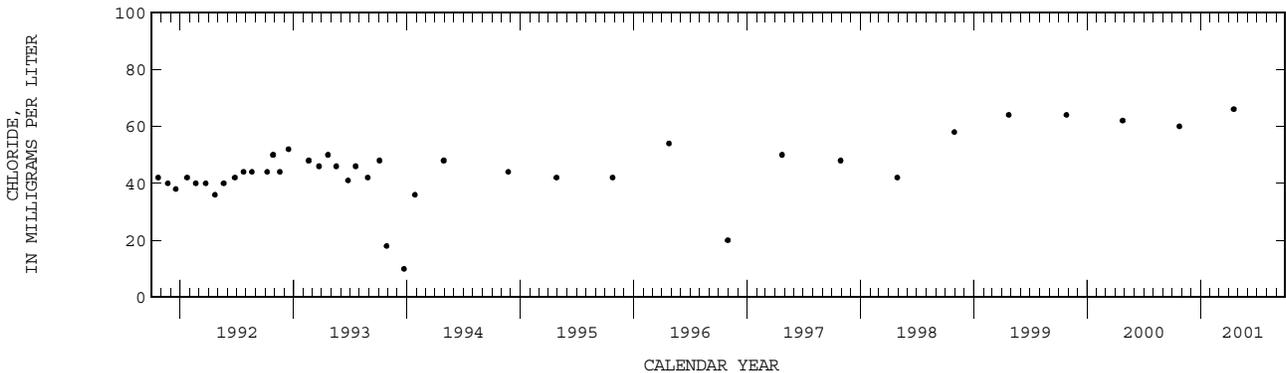
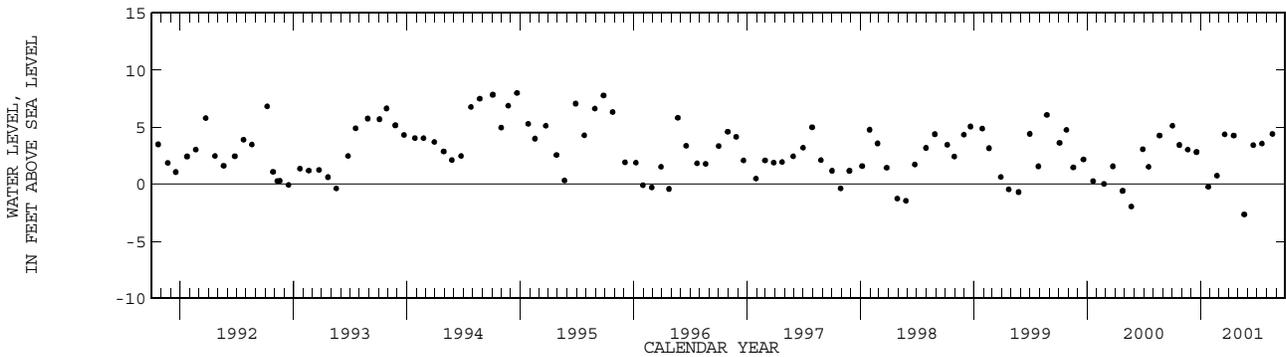
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1973 are available in files of the Geological Survey. Measuring point location corrected.

PERIOD OF RECORD.--May 1970 to November 1986 (daily), December 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.20 ft NGVD, Sept. 24, 1970; lowest, 4.47 ft below NGVD, Apr. 30, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1210	--	--	5.11	APR 17...	1220	536	66.0	4.26
24...	1515	538	60.0	3.43	MAY 21...	1555	--	--	-2.66
NOV 20...	1530	--	--	3.03	JUN 19...	1130	--	--	3.41
DEC 18...	1405	--	--	2.82	JUL 17...	1150	--	--	3.56
JAN 25...	1225	--	--	-0.24	AUG 20...	1340	--	--	4.40
FEB 22...	1150	--	--	.73					
MAR 19...	1340	--	--	4.36					



COLLIER COUNTY--Continued

WELL NUMBER.--261311081480101. Local Number C 1061.

LOCATION.--Lat 26°13'13", long 81°48'01", in NW ¼ SW ¼ NW ¼ sec.10, T.49 S., R.25 E., Hydrologic Unit 03090204, 150 ft south of Center Street and 200 ft east of US 41, 6.6 mi northwest of Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.88 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.90 ft above land-surface datum.

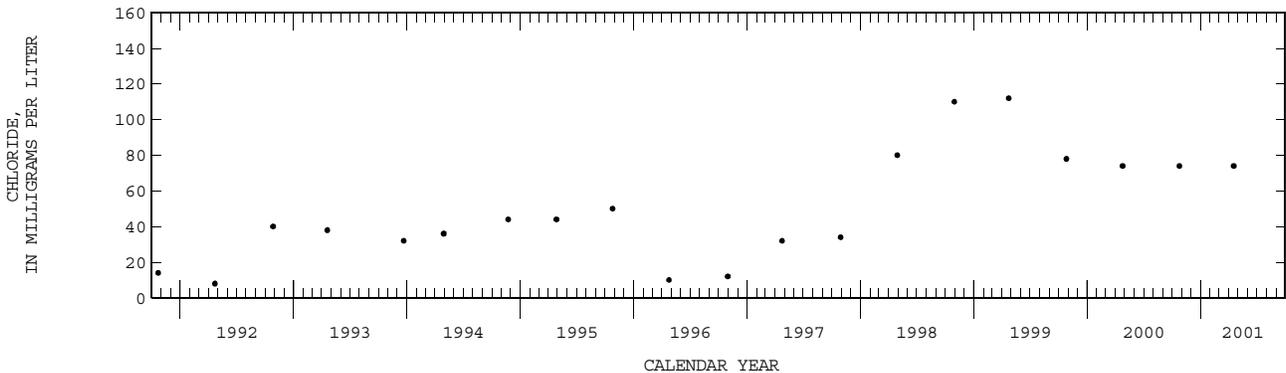
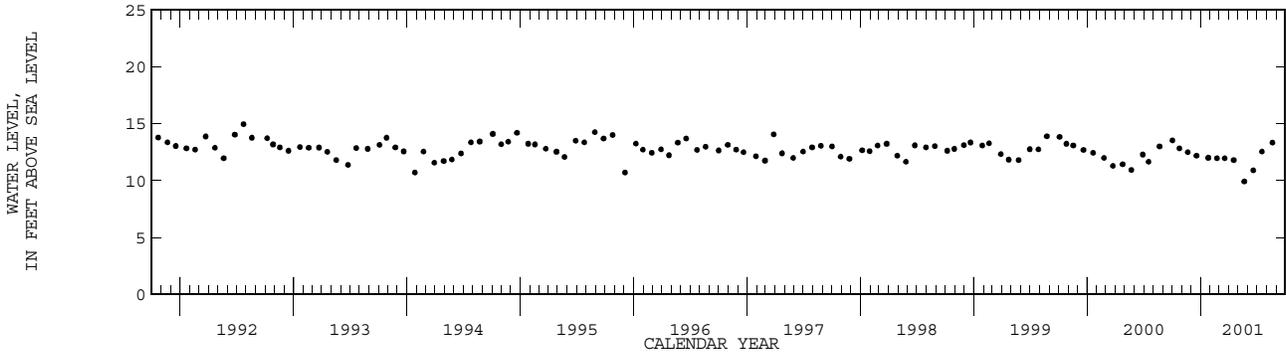
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.95 ft NGVD, July 23, 1992; lowest, 9.91 ft NGVD, May 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
02...	1200	--	--	13.53	17...	1200	365	74.0	11.80
24...	1455	339	74.0	12.83	MAY				
NOV					21...	1540	--	--	9.91
20...	1515	--	--	12.48	JUN				
DEC					19...	1115	--	--	10.90
18...	1355	--	--	12.18	JUL				
JAN					17...	1140	--	--	12.54
25...	1210	--	--	12.00	AUG				
FEB					20...	1330	--	--	13.33
22...	1140	--	--	11.96					
MAR									
19...	1325	--	--	11.95					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261343081384801. Local Number C 980.

LOCATION.--Lat 26°13'46", long 81°38'44", in SE ¼ SW ¼ sec.7, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of Golden Gate Parkway and 19th Street SW, 2.5 mi east of CR-951 and 10.5 mi northeast of Naples Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 30 ft, cased to 15 ft, open hole 15 to 30 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.70 ft below land-surface datum. Prior to October 2000, land-surface datum was 13.37 ft above National Geodetic Vertical Datum of 1929 and measuring point was 4.40 ft above land-surface datum. See REMARKS.

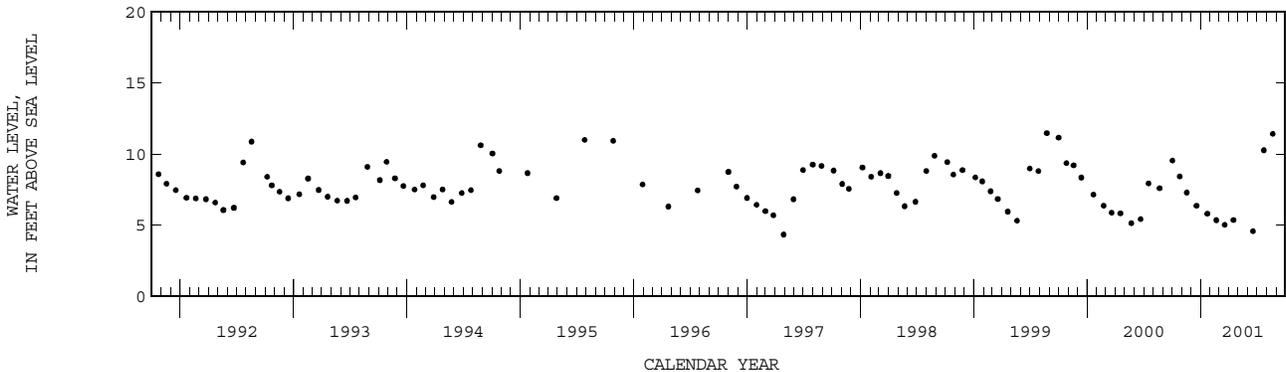
REMARKS.--In the 2001 water year the well was reconstructed because of road construction. The land-surface datum and height of the measuring point have been adjusted accordingly. See DATUM.

PERIOD OF RECORD.--October 1984 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.62 ft NGVD, Aug. 1, 1985; lowest, 4.35 ft NGVD, Apr. 28, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
02...	0747	9.54	19...	0823	5.03
25...	0908	8.42	APR		
NOV			16...	0842	5.37
17...	0747	7.30	JUN		
DEC			18...	1004	4.58
18...	0840	6.37	JUL		
JAN			23...	0845	10.27
22...	0855	5.81	AUG		
FEB			21...	0900	11.42
20...	0852	5.36			



COLLIER COUNTY--Continued

WELL NUMBER.--261343081384802. Local Number C 956.

LOCATION.--Lat 26°13'46", long 81°38'44", in NW ¼ NE ¼ sec.7, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of Golden Gate Parkway and 19th Street SW, 2.5 mi east of CR-951 and 10.5 mi northeast of Naples Post Office.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.  
 WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 260 ft, cased to 60 ft, open hole 60 to 260 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft below land-surface datum. Prior to October, 2000 land-surface datum was 13.37 ft above National Geodetic Vertical Datum of 1929 and measuring point was 4.05 ft above land-surface datum. See REMARKS.

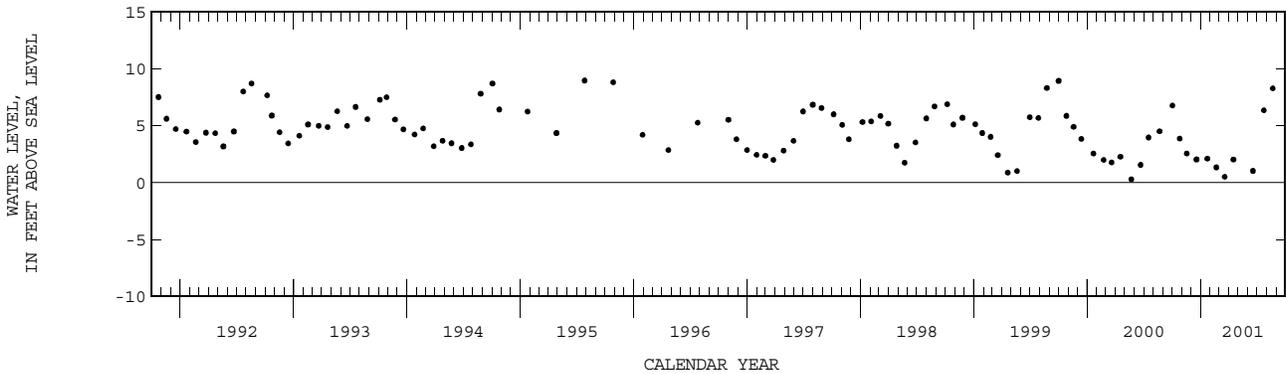
REMARKS.--In the 2001 water year the well was reconstructed because of road construction. The land-surface datum and height of the measuring point have been adjusted accordingly. See DATUM.

PERIOD OF RECORD.--October 1984 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.22 ft NGVD, Aug. 29, 1985; lowest, 0.29 ft NGVD, May 22, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 02...	0751	6.76	MAR 19...	0827	.50
25...	0911	3.85	APR 16...	0845	2.02
NOV 17...	0751	2.55	JUN 18...	1008	1.02
DEC 18...	0853	2.03	JUL 23...	0843	6.34
JAN 22...	0859	2.10	AUG 21...	0901	8.26
FEB 20...	0856	1.33			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261347081351201. Local Number C 953.

LOCATION.--Lat 26°13'49", long 81°35'13", in NW ¼ NW ¼ sec.11, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of SE 10th Street and Golden Gate Parkway, 2.3 mi west of Everglades Boulevard and 12.9 mi northeast of the Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 12 ft, open hole 12 to 40 ft.

INSTRUMENTATION.--Satellite data collection platform. Electronic data logger prior to April 2001.

DATUM.--Land-surface datum is 12.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.99 ft above land-surface datum.

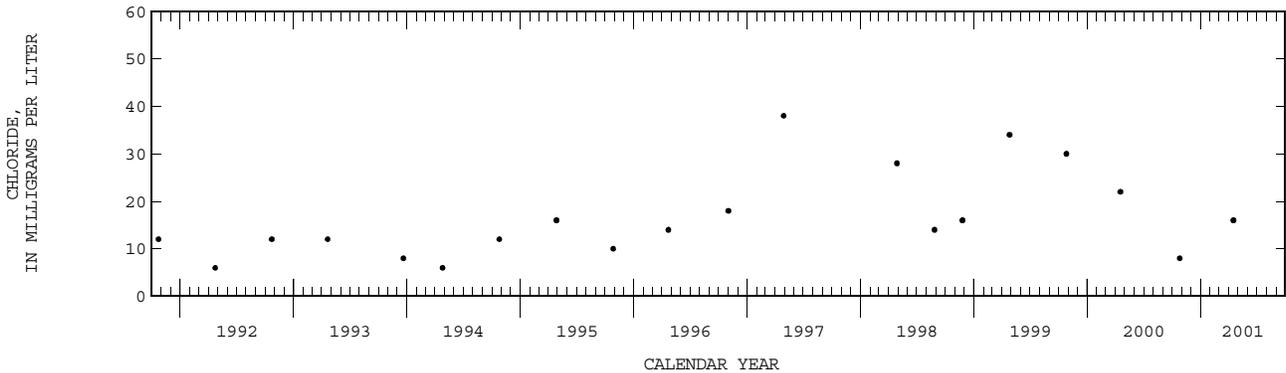
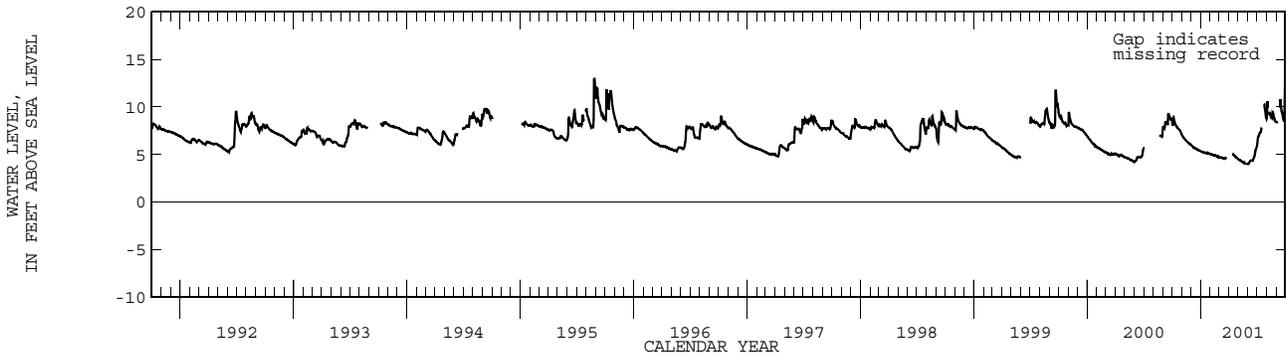
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.05 ft NGVD, Aug. 27, 1995; lowest, 4.03 ft NGVD, June 2, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.93	6.90	5.87	5.30	5.02	4.73	---	4.46	4.10	6.92	9.96	8.49
10	8.27	6.67	5.73	5.24	4.94	4.67	---	4.32	4.36	7.30	9.40	10.05
15	7.97	6.47	5.64	5.18	4.94	4.60	5.03	4.22	4.38	7.80	8.99	10.69
20	7.74	6.31	5.57	5.19	4.86	4.64	4.87	4.12	4.66	---	9.47	9.39
25	7.56	6.15	5.45	5.15	4.79	4.55	4.72	4.06	5.31	9.96	8.85	8.59
EOM	7.18	6.02	5.38	5.08	4.76	---	4.56	4.05	5.73	8.78	8.46	12.64
MAX	8.93	7.12	5.98	5.35	5.07	4.75	5.06	4.54	5.73	10.25	10.61	12.68



COLLIER COUNTY--Continued

WELL NUMBER.--261347081351202. Local Number C 951.

LOCATION.--Lat 26°13'49", long 81°35'13", in NW ¼ NW ¼ sec.11, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of SE 10th Street and Golden Gate Parkway, 2.3 mi west of Everglades Boulevard and 12.9 mi northeast of the Collier County Government Center.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 170 ft, cased to 120 ft, open hole 120 to 170 ft.

INSTRUMENTATION.--Satellite data collection platform. Electronic data logger prior to April 2001.

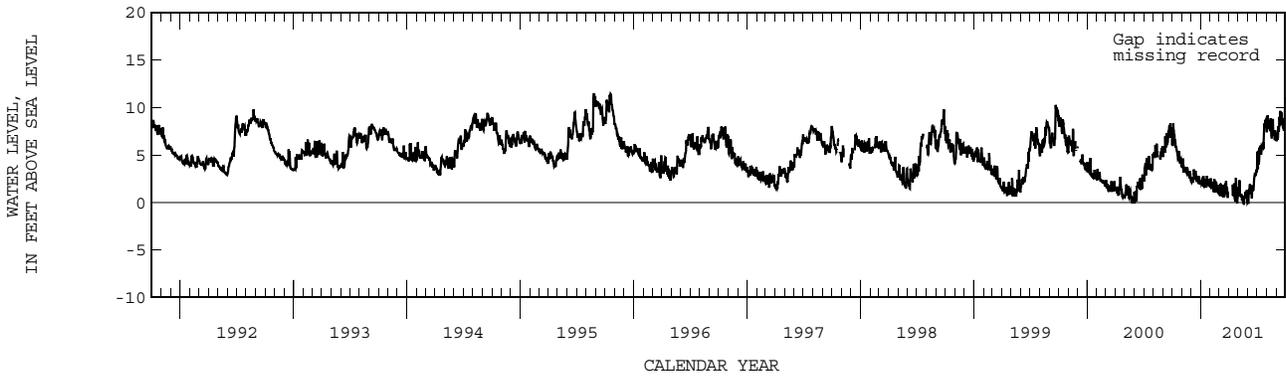
DATUM.--Land-surface datum is 12.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.92 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.21 ft NGVD, Sept. 6, 1985; lowest, 0.25 ft below NGVD, May 20, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.65	4.45	2.37	2.62	2.15	1.91	---	2.35	1.32	5.40	8.70	6.70
10	6.65	3.51	3.47	1.64	1.60	.77	---	.56	.94	5.06	8.66	8.81
15	5.47	3.19	3.33	1.71	1.05	.52	.68	.64	1.36	5.40	7.82	9.08
20	4.56	3.03	2.43	1.98	1.69	2.00	.47	-.25	1.76	6.35	8.51	8.51
25	4.21	2.56	2.76	1.84	1.05	.84	1.85	1.14	3.11	8.30	7.39	7.65
EOM	4.68	2.27	2.07	1.73	1.36	---	.87	-.04	3.47	7.89	7.31	11.03
MAX	8.33	4.45	3.47	2.82	2.54	2.26	2.59	2.35	3.47	8.66	9.17	11.03



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261347081351701. Local Number C 948.

LOCATION.--Lat 26°13'48", long 81°35'16", in NW ¼ NW ¼ sec.11, T.49 S., R.27 E., Hydrologic Unit 03090204, 30 ft east of canal, 31 ft west of SE 10th Street, 50 ft south of Golden Gate Boulevard, 12.9 mi northwest of Collier County Government Center.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 420 ft, cased to 370 ft, open hole 370 to 420 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer. Monthly measurement prior to April, 2001.

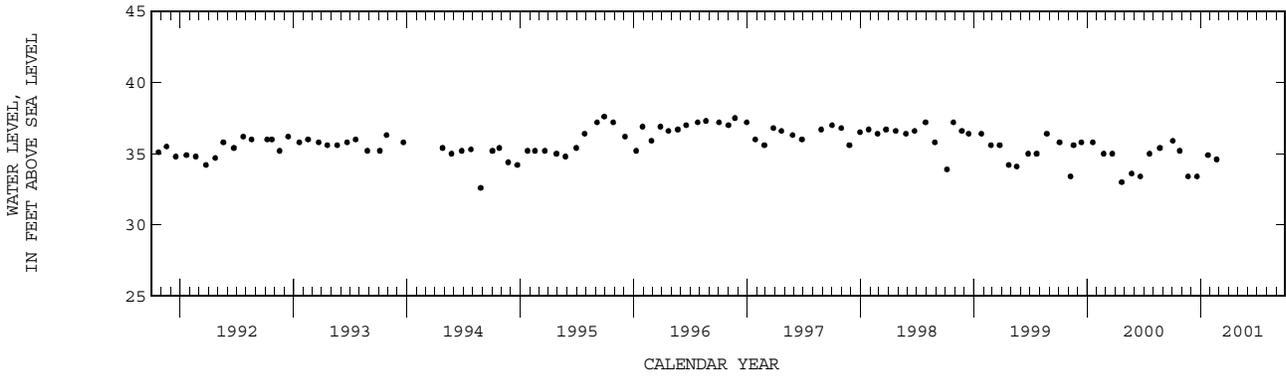
DATUM.--Land-surface datum is 12.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. plug, 2.85 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to April 2001 (Monthly), May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.6 ft NGVD, Nov. 25, 1987, Jan. 28, 1988 and Sept. 28, 1995; lowest, 32.6 ft NGVD, Aug. 26, 1994.

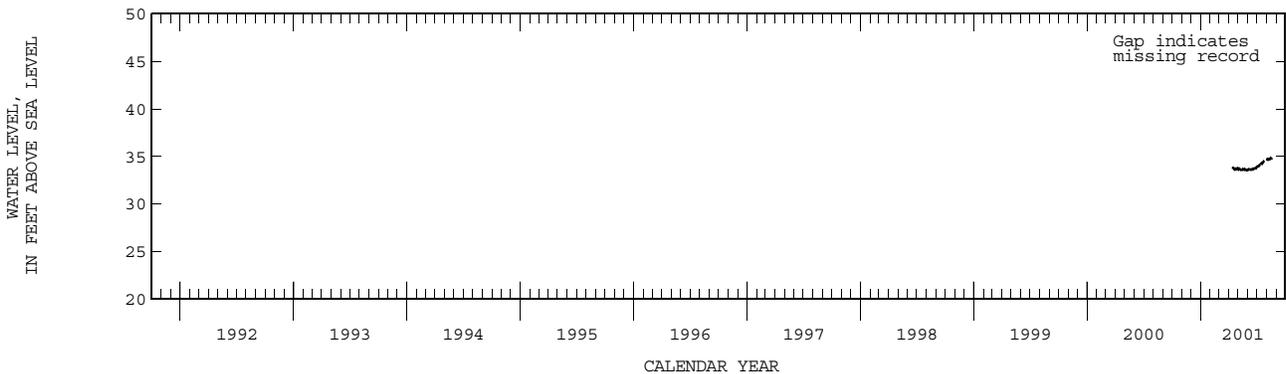
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 03...	1605	35.90	JAN 24...	1515	34.90
25...	1258	35.20	FEB 21...	1340	34.60
NOV 21...	1600	33.40			
DEC 20...	1522	33.40			



ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	33.72	33.61	33.99	34.72	---
10	---	---	---	---	---	---	---	33.59	33.64	34.14	34.72	---
15	---	---	---	---	---	---	33.81	33.60	33.61	34.28	34.81	---
20	---	---	---	---	---	---	33.65	33.66	33.72	34.37	---	---
25	---	---	---	---	---	---	33.76	33.58	33.79	---	---	---
EOM	---	---	---	---	---	---	33.66	33.57	33.90	---	---	---
MAX	---	---	---	---	---	---	33.83	33.74	33.90	34.48	34.86	---



COLLIER COUNTY--Continued

WELL NUMBER.--261356081461101. Local Number C 1093.

LOCATION.--Lat 26°13'56", long 81°46'11", in NE ¼ NE ¼ SE ¼ sec.2, T.49 S., R.25 E., Hydrologic Unit 03090204, in median strip of Orange Blossom Drive, about 100 ft west of Airport Road, 0.9 mi south of CR-846.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 17 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. PVC casing, at land-surface datum.

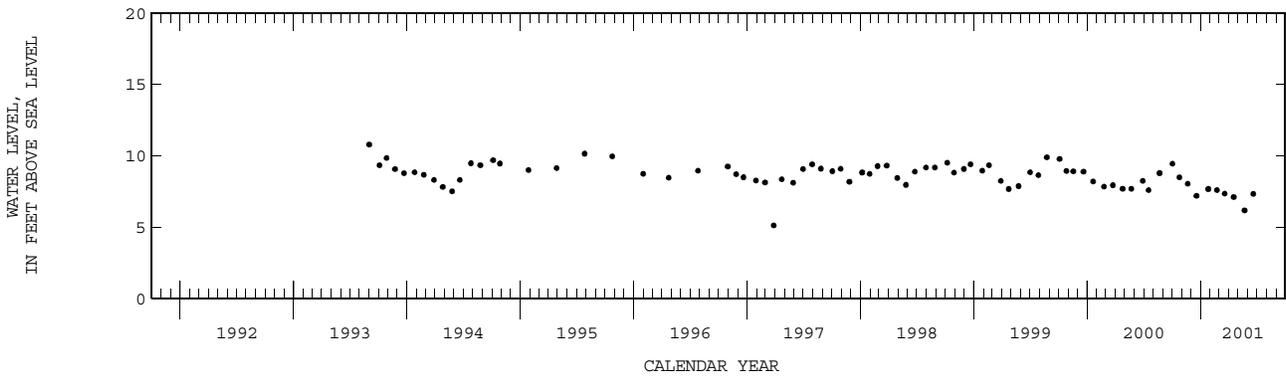
REMARKS.--Well destroyed due to road construction.

PERIOD OF RECORD.--July 1993 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to June 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.79 ft NGVD, Sept. 1, 1993; lowest, 5.11 ft NGVD, Mar. 27, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
02...	0915	9.44	19...	0845	7.34
24...	0840	8.49	APR		
NOV			17...	0830	7.11
20...	1140	8.04	MAY		
DEC			22...	0835	6.17
18...	1000	7.19	JUN		
JAN			19...	0900	7.33
25...	0900	7.67			
FEB					
22...	0840	7.59			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--261405081465501. Local Number C 460.

LOCATION.--Lat 26°14'08", long 81°47'06", in NW ¼ SW ¼ SE ¼ sec.2, T.49 S., R.25 E., Hydrologic Unit 03090204, 75 ft north of Orange Blossom Drive, 0.40 mi east of Goodlette-Frank Road, 0.50 mi east of US 41 at Naples.

AQUIFER.--Lower Tamiami aquifer of Miocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 66 ft, cased to 64 ft, open hole 64 to 66 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Land-surface datum is 10.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing, 3.07 ft above land-surface datum.

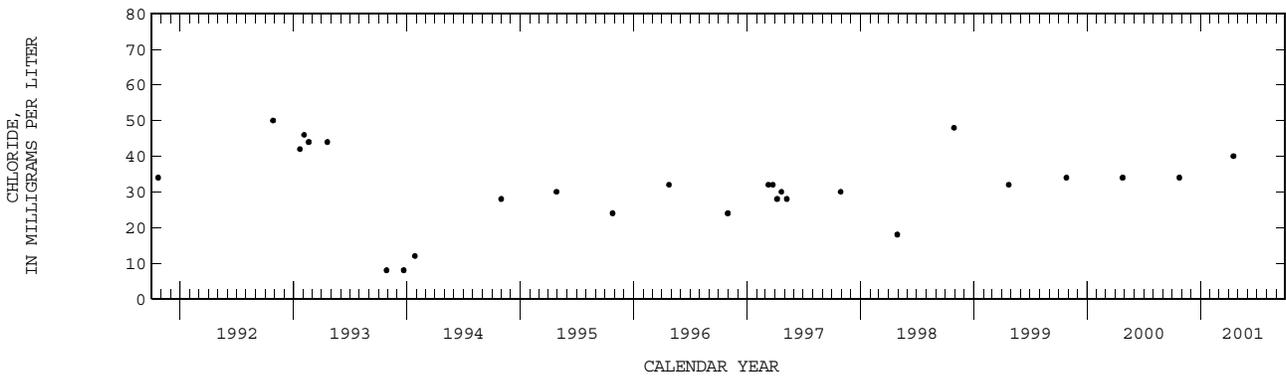
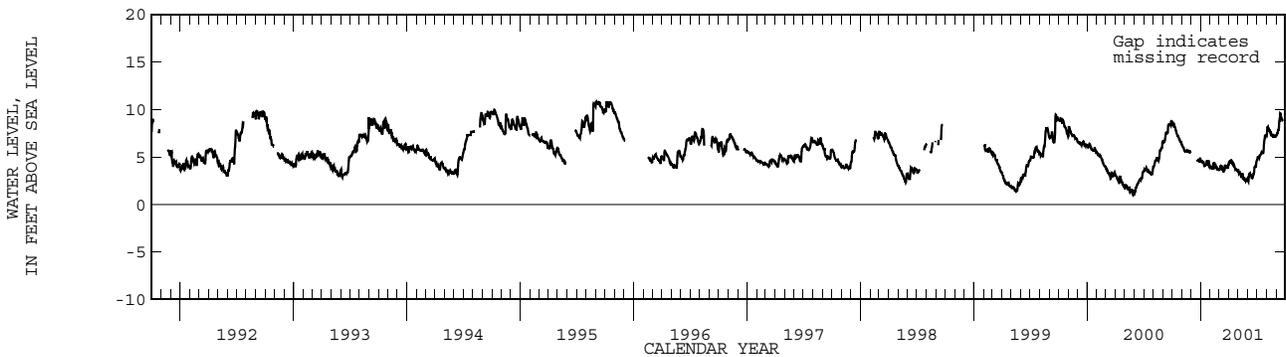
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1983 are available in files of the Geological Survey.

PERIOD OF RECORD.--August 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.83 ft NGVD, Sept. 2, 1995; lowest, 1.32 ft below NGVD, May 1, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.61	6.04	---	4.56	3.92	4.04	4.33	3.39	3.10	4.96	8.11	7.51
10	8.16	5.68	---	4.34	4.10	4.00	4.68	3.01	3.09	5.12	7.76	8.75
15	7.53	5.60	---	4.15	4.04	3.40	4.32	3.20	2.88	5.44	7.58	9.56
20	7.16	5.69	4.72	4.54	3.97	4.16	3.93	2.64	3.24	5.41	7.35	8.92
25	6.72	5.53	4.71	4.22	3.58	3.78	3.71	2.54	4.01	6.89	7.25	---
EOM	6.38	---	4.58	3.87	3.68	4.22	3.73	2.48	4.56	7.31	7.27	---
MAX	8.61	6.28	4.85	4.62	4.39	4.22	4.68	3.65	4.56	7.32	8.18	9.61



COLLIER COUNTY--Continued

WELL NUMBER.--261435081472701. Local Number C 1094.

LOCATION.--Lat 26°14'38", long 81°47'26", in SW ¼ SE ¼ sec.34, T.48 S., R.25 E., Hydrologic Unit 03090204, 15 ft east of Hickory Road, 870 ft south of Carica Road in Naples.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 21 ft, cased to 19 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. PVC casing, 2.20 ft above land-surface datum. Prior to October, 2000 land-surface datum was considered to be 11.21 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 1.35 ft above land-surface datum. See REMARKS.

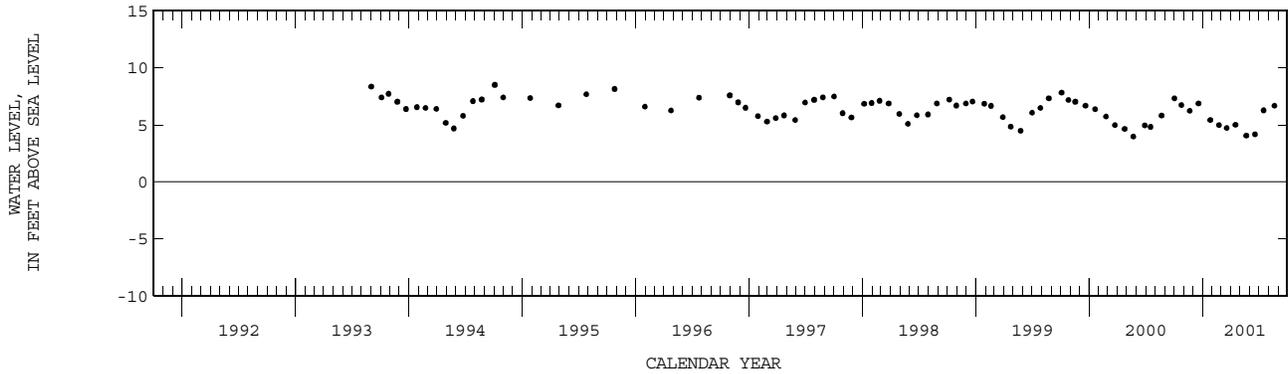
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--July 1993 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.49 ft NGVD, Oct. 4, 1994; lowest, 3.96 ft NGVD, May 22, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1320	7.31	16...	1455	4.98
24...	1600	6.71	MAY		
NOV			21...	1430	4.04
20...	1550	6.22	JUN		
DEC			18...	1400	4.16
18...	1430	6.86	JUL		
JAN			16...	1345	6.26
25...	1250	5.41	AUG		
FEB			20...	1415	6.66
22...	1215	4.96			
MAR					
19...	1405	4.71			



COLLIER COUNTY--Continued

WELL NUMBER.--261438081481001. Local Number C 575.

LOCATION.--Lat 26°13'18", long 81°48'03", in NE ¼ SE ¼ NE ¼ sec.9, T.49 S., R.25 E., Hydrologic Unit 03090204, 112 ft west of US 41, 0.75 mi north of Pine Ridge Road and 7 mi north of Naples.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 652 ft, cased to 352 ft, open hole 352 to 652 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 15.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3 in. by 1.5 in. reducer pipe, 0.30 ft above land-surface datum. Prior to October, 2000 land-surface datum was considered to be 16.61 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 1.09 ft below land-surface datum. See REMARKS.

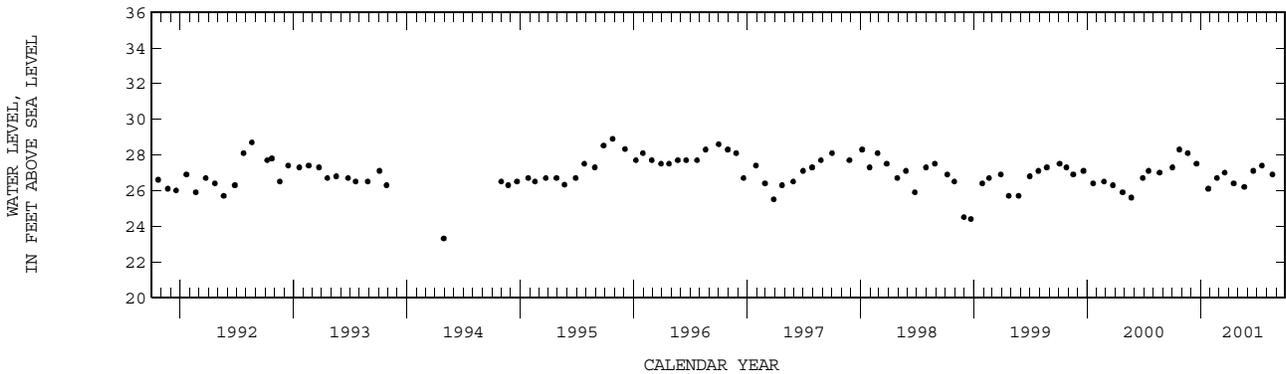
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM. Records of water levels prior to October 1981 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--March 1979 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft NGVD, Sept. 27, 1982; lowest, 23.3 ft NGVD, Apr. 29, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 02...	1220	27.30	APR 17...	1230	26.40
24...	1535	28.30	MAY 21...	1610	26.20
NOV 20...	1540	28.10	JUN 19...	1145	27.10
DEC 18...	1415	27.50	JUL 17...	1205	27.40
JAN 25...	1235	26.10	AUG 20...	1345	26.90
FEB 22...	1200	26.70			
MAR 19...	1350	27.00			



COLLIER COUNTY--Continued

WELL NUMBER.--261444081284901. Local Number C 988.

LOCATION.--Lat 26°14'47", long 81°28'49", in NE ¼ NE ¼ sec.2, T.49 S., R.28 E., Hydrologic Unit 03090204, 100 ft west of farm road, 3.6 mi south of intersection of CR-858 and Oil Grade Road and 12.7 mi south of Immokalee.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft, cased to 95 ft, open hole 95 to 160 ft.

INSTRUMENTATION.--Electronic data logger.

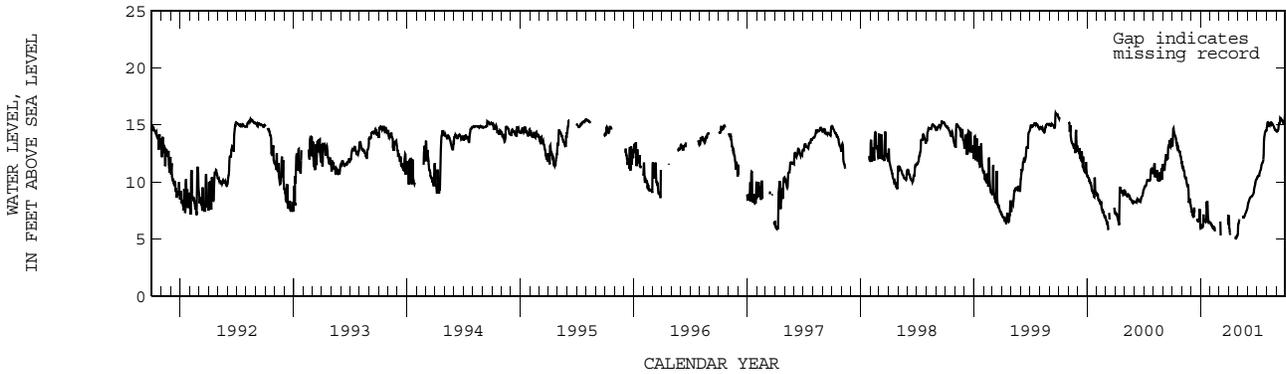
DATUM.--Land-surface datum is 15.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 4.75 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.08 ft NGVD, Sept. 21, 1999; lowest, 3.87 ft NGVD, Apr. 3, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.70	11.30	7.16	5.91	6.27	6.53	5.37	6.73	8.34	10.54	15.13	14.48
10	14.04	10.50	7.56	6.46	5.97	---	---	---	8.69	10.87	15.06	15.16
15	13.36	10.29	---	6.58	5.73	---	---	6.96	8.78	11.46	15.20	15.61
20	12.87	9.64	---	8.23	---	---	---	6.92	9.07	11.79	15.10	15.38
25	12.63	8.24	6.55	6.77	---	---	5.15	7.23	9.86	14.10	14.77	15.20
EOM	11.73	7.75	5.95	6.47	---	6.23	5.45	7.72	10.28	14.53	14.49	15.93
MAX	14.70	11.72	7.75	8.31	6.45	7.11	6.98	7.72	10.28	14.55	15.22	15.96



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261508081484902. Local Number C 999.

LOCATION.--Lat 26°15'09", long 81°48'52", in SW ¼ NW ¼ sec.33, T.48 S., R.25 E., Hydrologic Unit 03090204, 30 ft north of Vanderbilt Beach Road, 0.85 mi west of US 41 and 6.5 mi north of Naples.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 23 ft, cased to 13 ft, screened 13 to 23 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

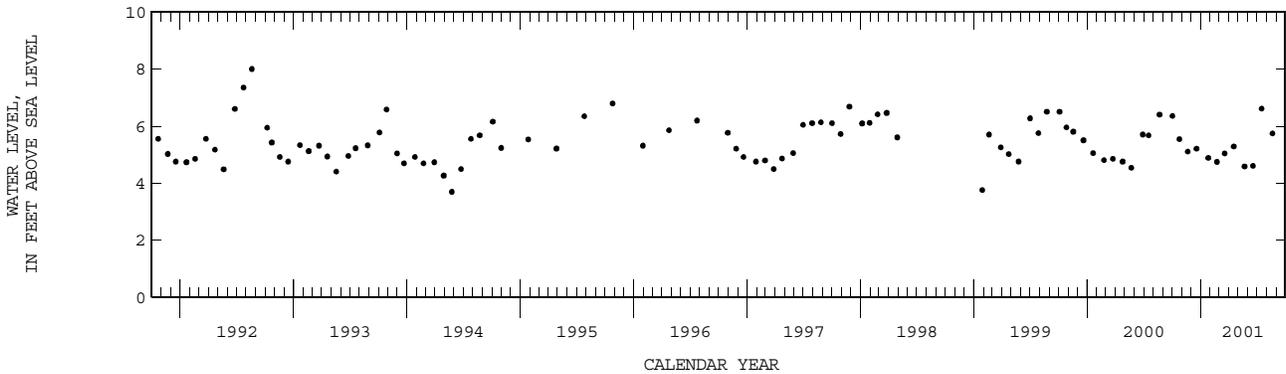
DATUM.--Land-surface datum is 8.74 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.74 ft below land-surface datum.

PERIOD OF RECORD.--April 1985 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft NGVD, Aug. 19, 1992; lowest, 1.56 ft NGVD, July 28, 1986.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1330	6.35	17...	1245	5.28
24...	1545	5.54	MAY		
NOV			22...	1040	4.58
20...	1540	5.10	JUN		
DEC			18...	1515	4.60
18...	1425	5.20	JUL		
JAN			16...	1520	6.61
25...	1240	4.88	AUG		
FEB			20...	1400	5.74
22...	1210	4.74			
MAR					
19...	1350	5.04			



COLLIER COUNTY--Continued

WELL NUMBER.--261530081412001. Local Number C 997.

LOCATION.--Lat 26°15'31", long 81°41'18", in SE ¼ SE ¼ sec.27, T.48 S., R.26 E., Hydrologic Unit 03090204, 75 ft east of CR-951, 1.0 mi south of CR-846 and 9.5 mi northeast of Naples.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 22 ft, cased to 12 ft, screened 12 to 22 ft.

INSTRUMENTATION.--Electronic data logger.

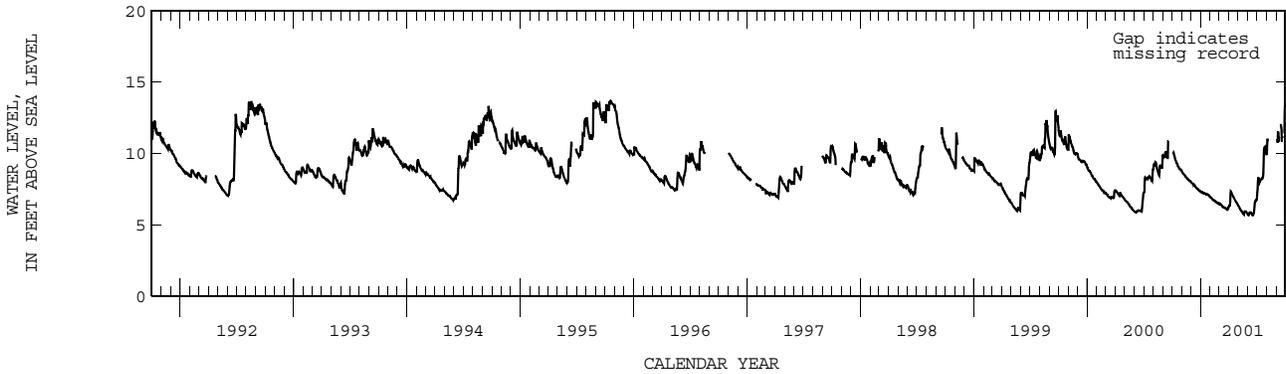
DATUM.--Land-surface datum is 14.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.43 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to September 1985 (monthly), October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.67 ft NGVD, Oct. 19, 1995; lowest, 5.53 ft NGVD, June 18, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.04	8.62	7.88	7.26	6.86	6.48	6.61	6.23	5.75	8.29	---	10.77
10	9.63	8.48	7.79	7.22	6.73	6.34	7.27	6.01	5.87	8.03	---	11.10
15	9.34	8.33	7.68	7.18	6.68	6.24	7.01	5.86	5.70	8.22	---	12.02
20	9.07	8.20	7.54	7.15	6.57	6.19	6.80	5.72	5.82	8.39	---	---
25	8.93	8.09	7.45	7.09	6.52	6.09	6.60	5.93	6.64	10.45	---	---
EOM	8.78	8.01	7.33	6.95	6.48	6.22	6.42	5.79	6.75	9.93	---	13.23
MAX	10.04	8.75	7.97	7.32	6.93	6.48	7.35	6.39	6.75	10.46	11.03	13.49



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261537081461201. Local Number C 1057.

LOCATION.--Lat 26°15'34", long 81°46'12", in NE ¼ SE ¼ SE ¼ sec.26, T.48 S., R.25 E., Hydrologic Unit 03090204, 0.9 mi south of CR-846 and 43 ft west of CR-31, 9.1 mi north of Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 10.5 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

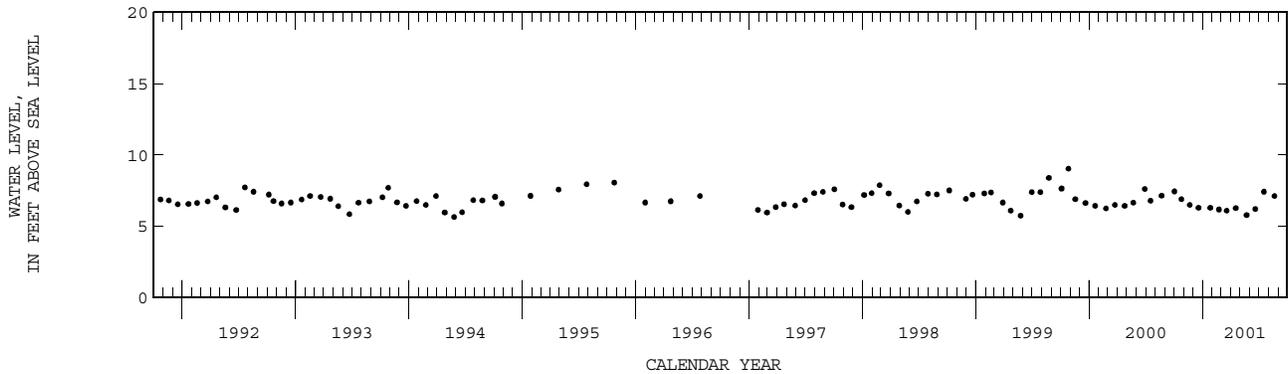
DATUM.--Land-surface datum is 10.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.20 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.04 ft NGVD, Oct. 26, 1999; lowest, 4.82 ft NGVD, Nov. 29, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0900	7.44	17...	0810	6.27
24...	0825	6.89	MAY		
NOV			22...	0815	5.77
20...	1125	6.49	JUN		
DEC			19...	0840	6.21
18...	0950	6.29	JUL		
JAN			17...	0840	7.42
25...	0845	6.29	AUG		
FEB			20...	0845	7.11
22...	0830	6.17			
MAR					
19...	0830	6.09			



COLLIER COUNTY--Continued

WELL NUMBER.--261537081461202. Local Number C 1058.

LOCATION.--Lat 26°15'34", long 81°46'12", in NE ¼ SE ¼ SE ¼ sec.26, T.48 S., R.25 E., Hydrologic Unit 03090204, 0.90 mi south of CR-846 and 43 ft west of CR-31, 9.1 mi north of Collier County Government Center.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 80 ft, cased to 62 ft, 18 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft above land-surface datum. Prior to October, 2000 land-surface datum was considered to be 10.69 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.70 ft above land-surface datum. See REMARKS.

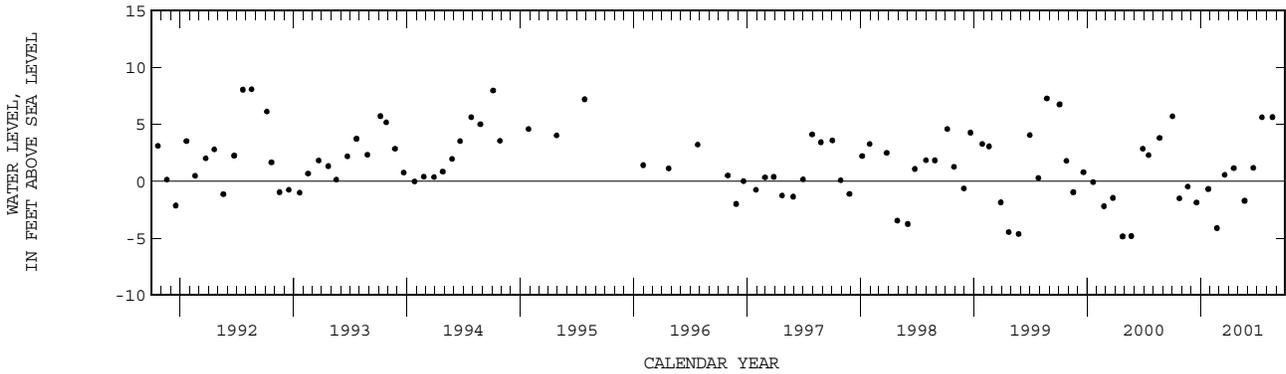
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.24 ft NGVD, Oct. 24, 1995; lowest, 5.78 ft below NGVD, Mar. 29, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0905	5.69	17...	0815	1.15
24...	0820	-1.50	MAY		
NOV			22...	0820	-1.71
20...	1130	-0.48	JUN		
DEC			19...	0845	1.17
18...	0955	-1.87	JUL		
JAN			17...	0845	5.61
25...	0850	-0.68	AUG		
FEB			20...	0850	5.63
22...	0835	-4.11			
MAR					
19...	0825	.56			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261604081480901. Local Number C 1059.

LOCATION.--Lat 26°16'08", long 81°48'09", in NE ¼ SW ¼ NE ¼ sec.28, T.48 S., R.25 E., Hydrologic Unit 03090204, 20 ft behind Fire House on 106th Avenue and 300 ft west of US 41, 9.7 mi northwest of Collier County Government Center.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.40 ft above land-surface datum.

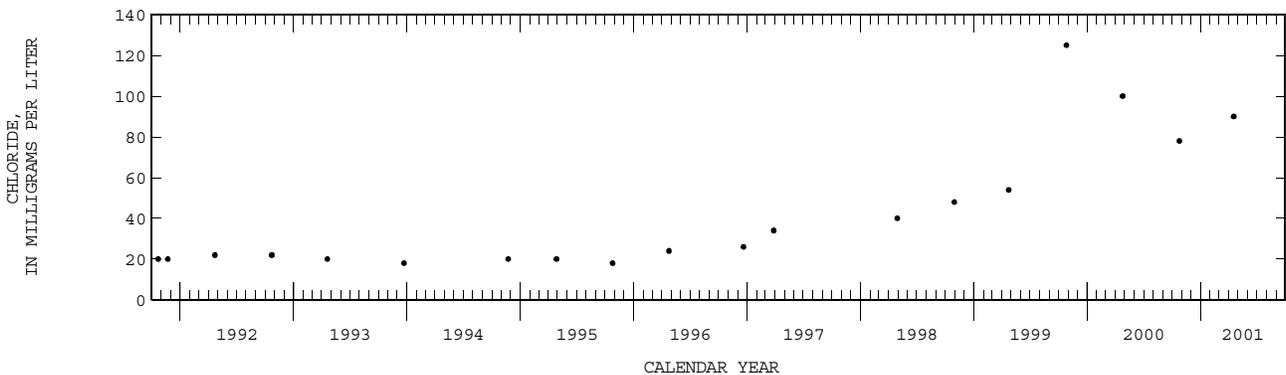
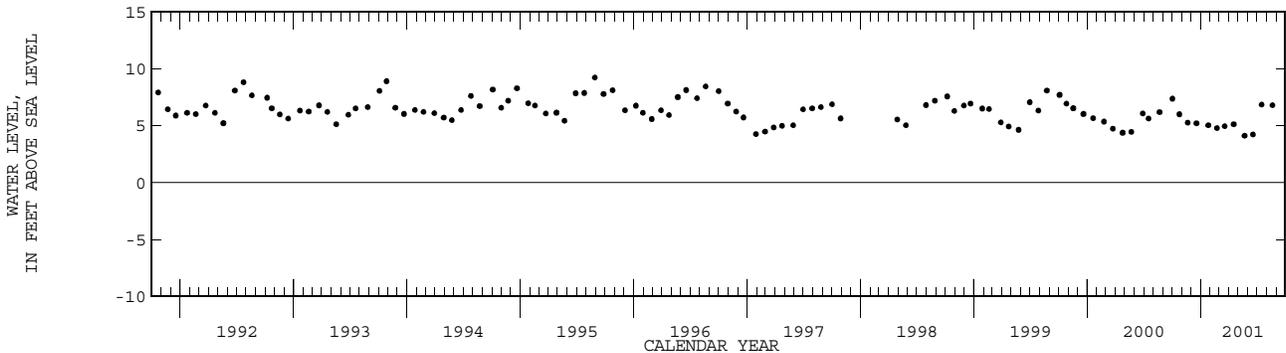
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.21 ft NGVD, Aug. 29, 1995; lowest, 3.17 ft NGVD, Apr. 23, 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
02...	1345	--	--	7.36	17...	1315	708	90.0	5.12
24...	1610	688	78.0	5.99	MAY				
NOV					22...	1100	--	--	4.10
20...	1605	--	--	5.26	JUN				
DEC					18...	1530	--	--	4.22
18...	1440	--	--	5.20	JUL				
JAN					16...	1500	--	--	6.84
25...	1300	--	--	5.02	AUG				
FEB					20...	1425	--	--	6.78
22...	1230	--	--	4.77					
MAR									
19...	1415	--	--	4.94					



COLLIER COUNTY--Continued

WELL NUMBER.--261620081450201. Local Number C 998.

LOCATION.--Lat 26°16'23", long 81°45'01", in SE ¼ SW ¼ sec.19, T.48 S., R.26 E., Hydrologic Unit 03090204, 30 ft north of CR-846, 0.75 mi west of I-75 and 8.5 mi northeast of Naples.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 62 ft, cased to 52 ft, screened 52 to 62 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.00 ft above land-surface datum. Prior to October, 2000 land-surface datum was considered to be 15.39 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.45 ft above land-surface datum. See REMARKS.

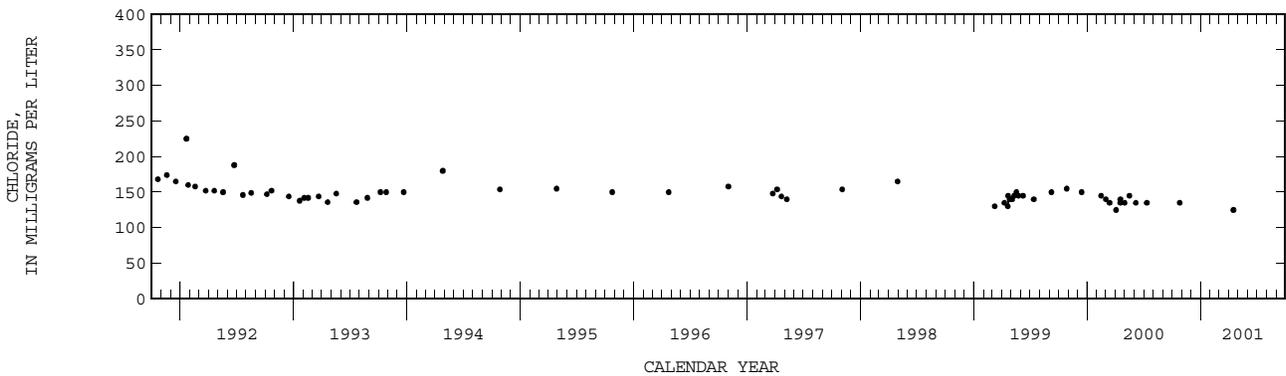
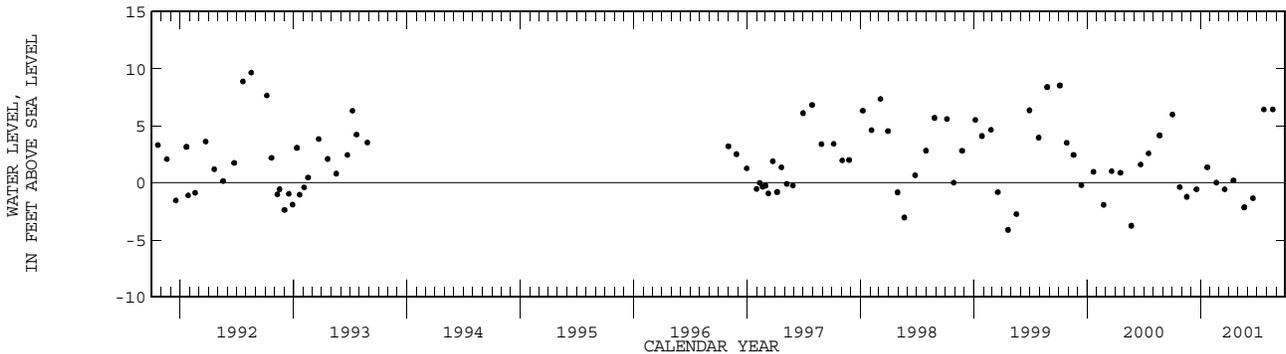
REMARKS.--Well is also used for salinity monitoring. Conductivity and chloride profiles for the water year are available in the files of the Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--March 1985 to June 1990 (monthly), July 1990 to September 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.98 ft NGVD, Oct. 20, 1995; lowest, 4.89 ft below NGVD, Dec. 21, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 02...	0715	5.99	--	APR 16...	0803	.21	125
OCT 25...	0821	-0.38	135	MAY 21...	0959	-2.15	--
NOV 17...	0714	-1.23	--	JUN 18...	0932	-1.36	--
DEC 18...	0802	-0.58	--	JUL 23...	0807	6.43	--
JAN 22...	0802	1.36	--	AUG 21...	0830	6.44	--
FEB 20...	0821	.01	--				
MAR 19...	0747	-0.58	--				



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261620081464402. Local Number C 1004R.

LOCATION.--Lat 26°16'22", long 81°46'44", in SE ¼ SE ¼ sec.23, T.48 S., R.25 E., Hydrologic Unit 03090204, 20 ft east of Palm River Boulevard, 40 ft south of Piper Boulevard, 200 ft north of Immokalee Road (CR-846), and 7.8 mi north of Naples.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 60 ft, cased to 52 ft, open hole 52 to 60 ft.

INSTRUMENTATION.--Satellite data collection platform, with pressure transducer.

DATUM.--Land-surface datum is 10.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.90 ft above land-surface datum.

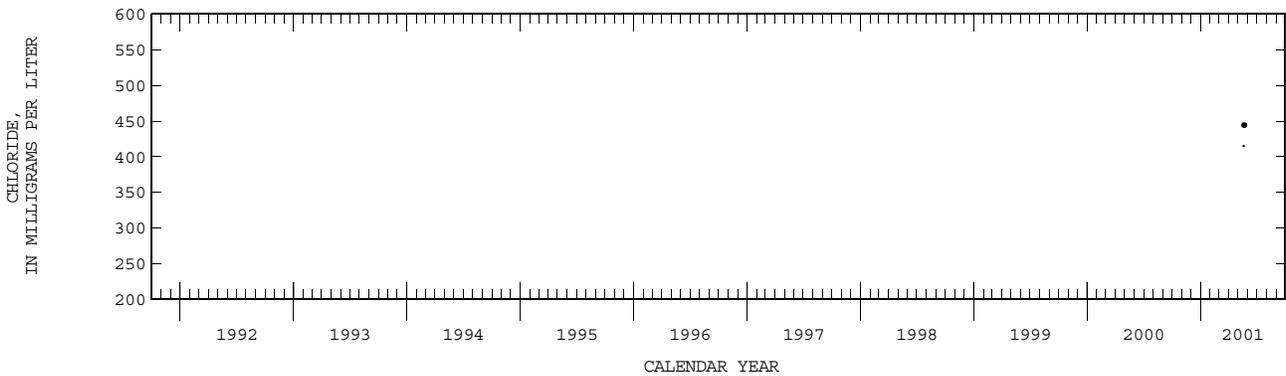
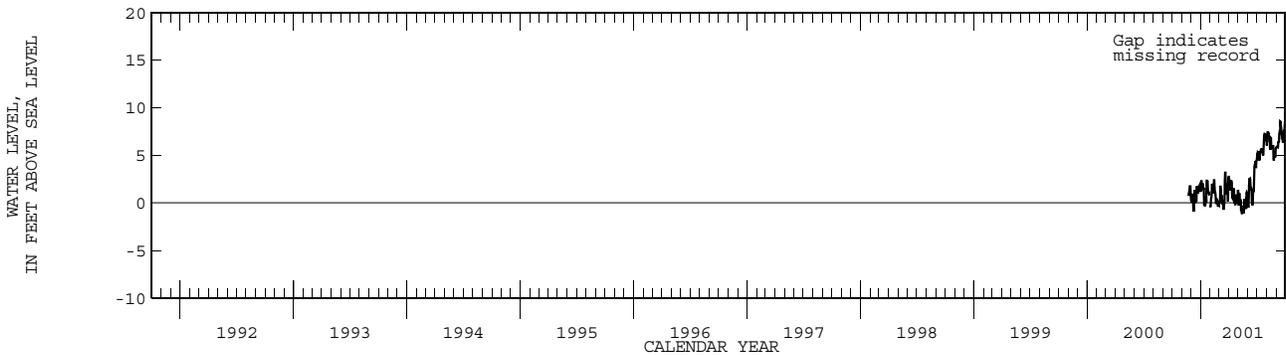
REMARKS.--Replacement well for C-1004. Well is also used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.60 ft NGVD, Sept. 30, 2001; lowest, 1.17 ft below NGVD, May 13, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	.90	1.80	1.23	1.81	1.30	.94	1.79	4.97	7.25	5.93
10	---	---	-.94	1.48	1.28	.58	2.31	-.83	1.28	5.21	6.53	7.17
15	---	---	.93	-.09	1.20	-.74	.68	-.41	-.16	5.49	6.84	8.55
20	---	---	1.69	2.36	.48	3.21	.22	-1.08	1.15	5.01	6.07	7.07
25	---	1.39	1.57	.99	-.39	.91	.77	.25	4.13	7.14	5.21	7.53
EOM	---	.34	1.26	-.25	-.10	2.75	1.27	-.32	4.46	6.53	5.77	8.60
MAX	---	1.76	1.91	2.36	2.39	3.21	2.75	1.27	4.46	7.21	7.43	8.60



COLLIER COUNTY--Continued

WELL NUMBER.--261621081412302. Local Number C 303.

LOCATION.--Lat 26°16'13", long 81°41'23", in NE ¼ NE ¼ sec.27, T.48 S., R.26 E., Hydrologic Unit 03090204, 30 ft west and 15 ft south of the intersection of SR-951 and SR-846, 9 mi northeast of the Naples Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in., depth 300 ft, cased to 232 ft, open hole 232 to 300 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft below land-surface datum. Prior to October 2000 land-surface datum was 13.45 ft above National Geodetic Vertical Datum of 1929 and measuring point was 4.46 ft above land-surface datum. See REMARKS.

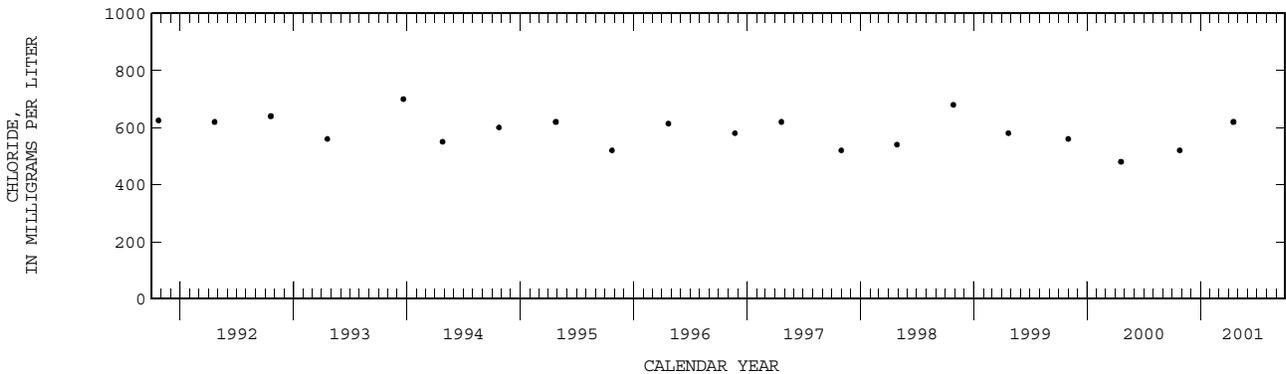
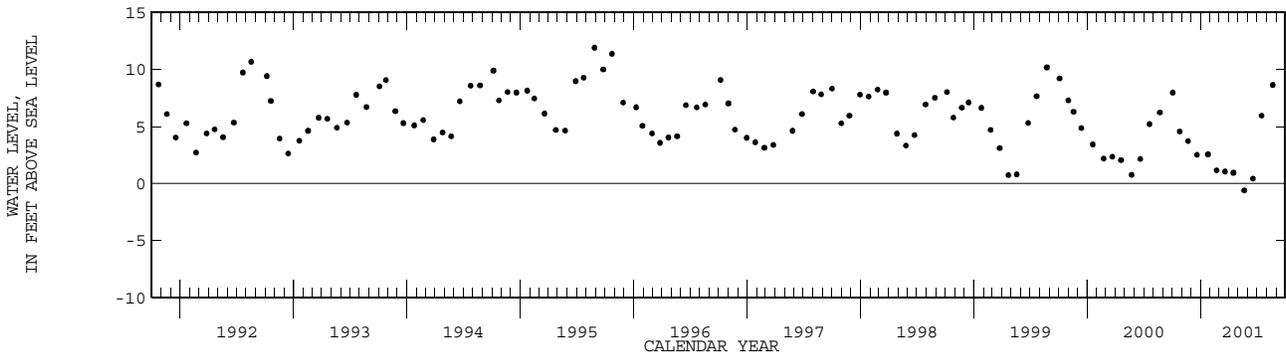
REMARKS.--Well is also used for salinity monitoring. The open-hole portion of this well is collapsed or obstructed. Chloride concentration samples are being collected from a depth of 230 ft. Records of water levels prior to October 1983 are available in files of the Geological Survey. In the 2001 water year the well was reconstructed. The land-surface datum and height of the measuring point have been adjusted accordingly. See DATUM.

PERIOD OF RECORD.--August 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.90 ft NGVD, Aug. 28, 1995; lowest, 0.62 ft below NGVD, May 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 03...	1124	--	--	7.96	APR 16...	0745	2260	620	.93
25...	1341	2120	520	4.55	MAY 21...	1330	--	--	-0.62
NOV 21...	1622	--	--	3.71	JUN 18...	0815	--	--	.41
DEC 20...	1609	--	--	2.50	JUL 16...	0830	--	--	5.93
JAN 24...	0930	--	--	2.55	AUG 21...	1413	--	--	8.63
FEB 21...	0915	--	--	1.14					
MAR 20...	0820	--	--	1.04					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261630081360001. Local Number C 304.

LOCATION.--Lat 26°16'32", long 81°36'15", in NW ¼ NE ¼ sec.27, T.48 S., R.27 E., Hydrologic Unit 03090204, 20 ft south of SR-846, 0.25 mi west of Randall Blvd. and 12 mi northeast of the Naples Post Office.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 130 ft, cased to 125 ft, open hole 125 to 130 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.00 ft above land-surface datum.

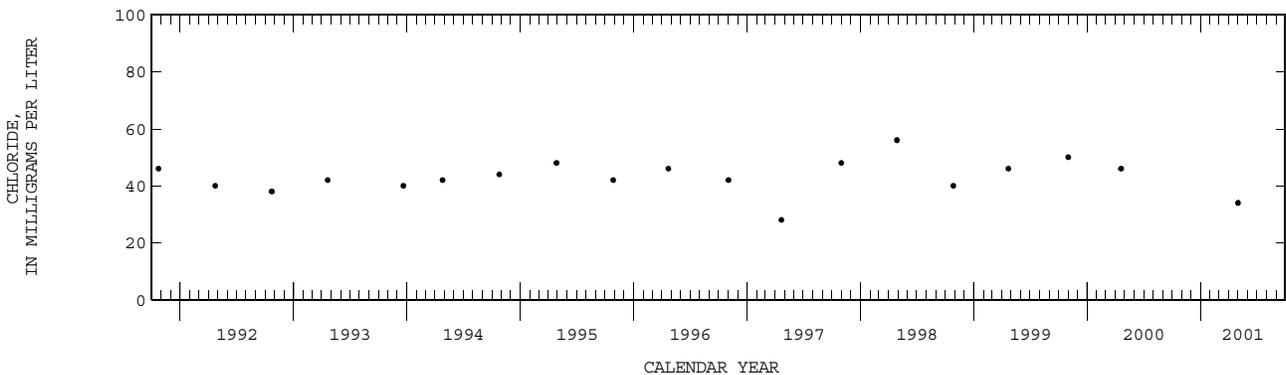
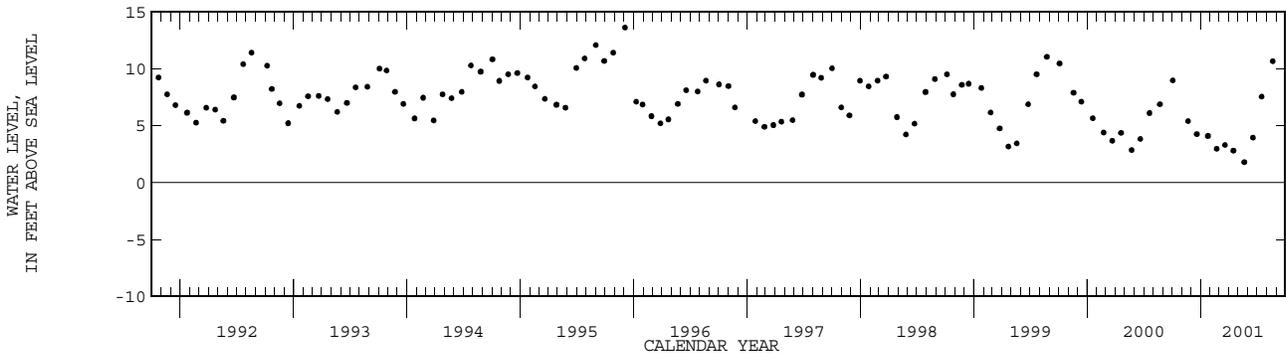
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1983 are available in files of the Geological Survey.

PERIOD OF RECORD.--August 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.59 ft NGVD, Dec. 4, 1995; lowest, 1.79 ft NGVD, May 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 03...	1136	--	--	8.96	APR 16...	0820	--	--	2.80
NOV 21...	1215	--	--	5.39	MAY 01...	0930	635	34.0	--
DEC 19...	1216	--	--	4.25	MAY 21...	0830	--	--	1.79
JAN 24...	0945	--	--	4.09	JUN 18...	0830	--	--	3.94
FEB 21...	0930	--	--	2.97	JUL 16...	0845	--	--	7.54
MAR 20...	0840	--	--	3.29	AUG 21...	1327	--	--	10.64



COLLIER COUNTY--Continued

WELL NUMBER.--261733081285501. Local Number C 984.

LOCATION.--Lat 26°17'38", long 81°28'54", in NE ¼ NE ¼ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Grade Road and CR-858, 7 mi east of CR-846 and 9.4 mi south of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 30 ft, open hole 30 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

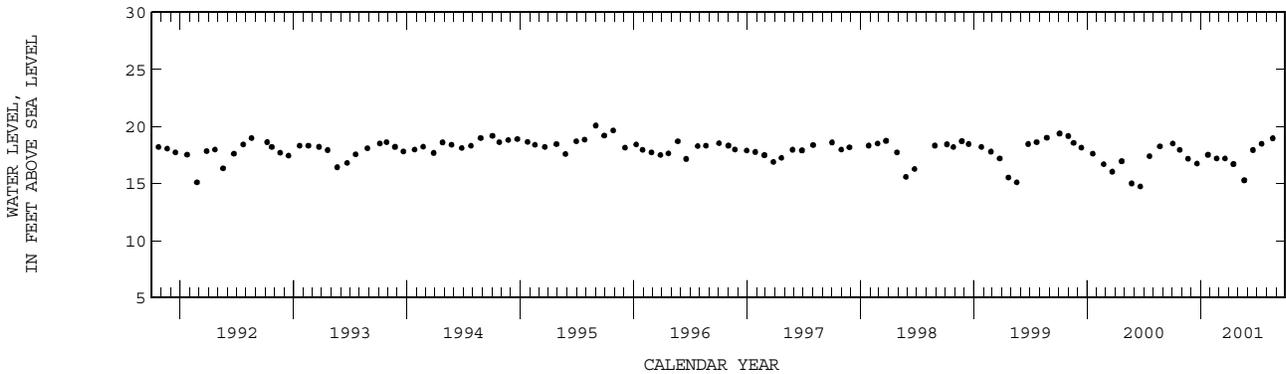
DATUM.--Land-surface datum is 20.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.08 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.08 ft NGVD, Sept. 1, 1995; lowest, 14.04 ft NGVD, May 28, 1986.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1530	18.50	16...	1220	16.70
25...	1230	17.94	MAY		
NOV			21...	1110	15.28
21...	1505	17.17	JUN		
DEC			18...	0955	17.93
20...	1442	16.74	JUL		
JAN			16...	1200	18.48
24...	1410	17.51	AUG		
FEB			21...	1137	18.96
21...	1230	17.18			
MAR					
20...	1155	17.18			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261733081285502. Local Number C 989.

LOCATION.--Lat 26°17'38", long 81°28'54", in NE ¼ NE ¼ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Grade Road and CR-858, 7 mi east of CR-846 and 9.4 mi south of Immokalee.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 270 ft, cased to 240 ft, open hole 240 to 270 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.00 ft above land-surface datum. Between October 1996 and September 1999, measuring point was considered to be top of flange 4.14 ft above land-surface datum. See REMARKS.

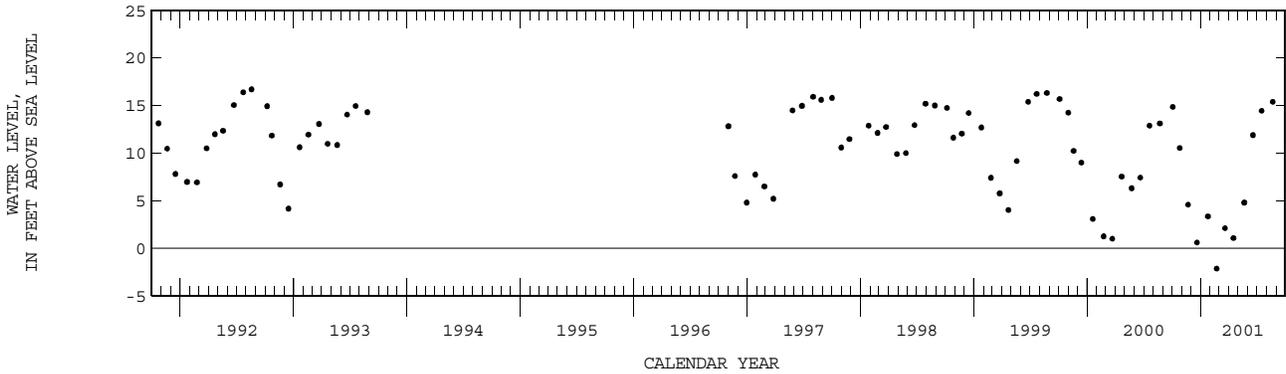
REMARKS.--Well affected by nearby pumpage. The figures of water level as elevation, in feet NGVD, between October 1996 and September 1999 are in error. Corrected records are in the files of the Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1984 to October 1996 (daily), November 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.30 ft NGVD, July 24, 1991; lowest, 3.96 ft below NGVD, Apr. 3, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1540	14.87	16...	1205	1.06
25...	1236	10.54	MAY		
NOV			21...	1100	4.80
21...	1508	4.57	JUN		
DEC			18...	1150	11.90
20...	1447	.60	JUL		
JAN			16...	1155	14.45
24...	1400	3.35	AUG		
FEB			21...	1132	15.41
21...	1215	-2.15			
MAR					
20...	1145	2.10			



COLLIER COUNTY--Continued

WELL NUMBER.--261733081285503. Local Number C 985.

LOCATION.--Lat 26°17'38", long 81°28'54", in NE ¼ NE ¼ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Grade Road and CR-858, 7 mi east of CR-846 and 9.4 mi south of Immokalee.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 160 ft, cased to 80 ft, open hole 80 to 160 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

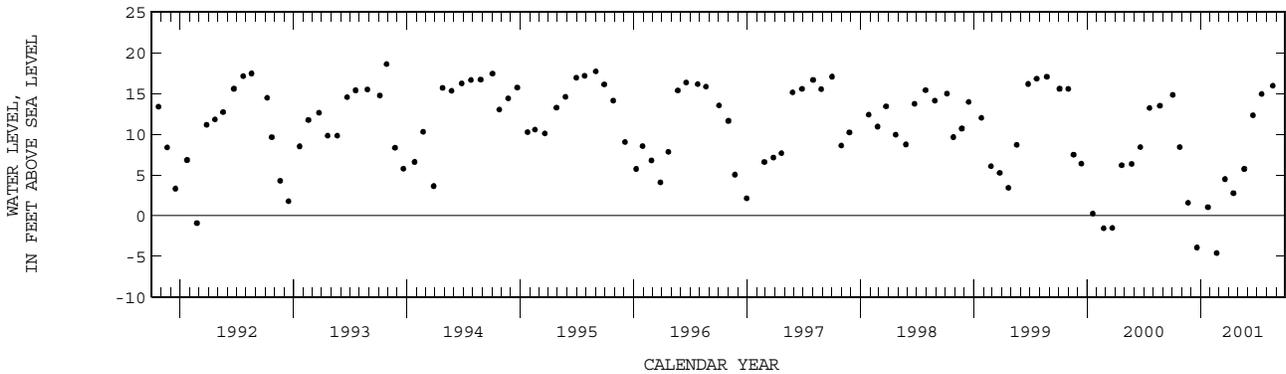
DATUM.--Land-surface datum is 20.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in. coupling, 4.33 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.60 ft NGVD, Oct. 27, 1993; lowest, 7.11 ft below NGVD, Mar. 29, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1538	14.82	16...	1215	2.75
25...	1232	8.40	MAY		
NOV			21...	1245	5.73
21...	1504	1.57	JUN		
DEC			18...	1145	12.30
20...	1438	-3.92	JUL		
JAN			16...	1205	14.93
24...	1415	1.03	AUG		
FEB			21...	1135	15.95
21...	1225	-4.60			
MAR					
20...	1150	4.48			



COLLIER COUNTY--Continued

WELL NUMBER.--261740081235401. Local Number C 684.

LOCATION.--Lat 26°17'42", long 81°23'43", in NW ¼ NW ¼ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of CR-858, 3.4 mi west of SR-29, and 4.0 mi northwest of Sunniland.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 490 ft, cased to 440 ft, open hole 440 to 490 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 19.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC casing, 2.90 ft above land-surface datum. See PERIOD OF RECORD. Prior to October 1982, land-surface datum was considered to be 17.46 above NGVD. Between October 1982 and October 2000, land-surface datum was considered to be 18.80 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 3.57 ft above land-surface datum. See REMARKS.

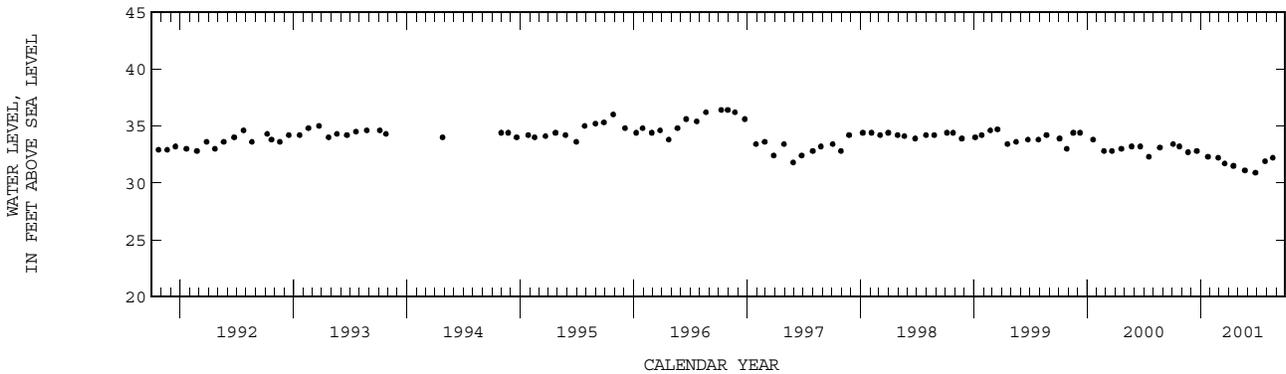
REMARKS.--The figures of water level as elevation, in feet NGVD, prior to October 1982 are in error. Corrected records are in files of the Geological Survey. In the 2001 water land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--November 1980 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.4 ft NGVD, Oct. 9, 30, 1996; lowest, 30.9 ft NGVD, June 26, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1438	33.40	16...	1327	31.50
24...	1440	33.20	MAY		
NOV			23...	1519	31.10
21...	1325	32.70	JUN		
DEC			26...	1342	30.90
19...	1217	32.80	JUL		
JAN			27...	1043	31.90
24...	1131	32.30	AUG		
FEB			21...	1114	32.20
26...	1516	32.20			
MAR					
19...	1247	31.70			



COLLIER COUNTY--Continued

WELL NUMBER.--261740081235402. Local Number C 689.

LOCATION.--Lat 26°17'42", long 81°23'43", in NW ¼ NW ¼ sec.23, T. 48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of CR-858, 3.4 mi west of SR-29, and 4.5 mi northwest of Sunniland.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 265 ft, cased to 230 ft, open hole 230 to 265 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.57 ft above land-surface datum.

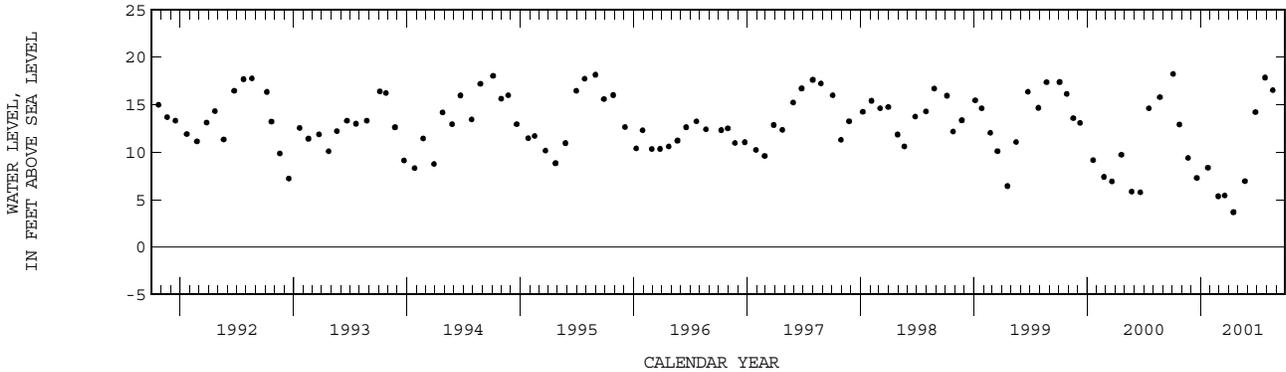
REMARKS.--Records of water levels prior to October 1983 are available in files of the Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.83 ft NGVD, Aug. 29, 1983; lowest, 0.38 ft below NGVD, Mar. 30, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1438	18.22	16...	1328	3.67
24...	1439	12.91	MAY		
NOV			23...	1522	6.94
21...	1326	9.37	JUN		
DEC			26...	1444	14.20
19...	1219	7.28	JUL		
JAN			27...	1041	17.84
24...	1133	8.35	AUG		
FEB			21...	1112	16.51
26...	1519	5.35			
MAR					
19...	1242	5.43			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261740081235403. Local Number C 1073.

LOCATION.--Lat 26°17'42", long 81°23'43", in NW ¼ NW ¼ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 20 ft south of CR-858, 3.4 mi west of SR-29, 4.0 mi northwest of Sunniland.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft, cased to 100 ft, 60 ft of 0.02 slotted screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.38 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.10 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 18.80 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 4.68 ft above land-surface datum. See REMARKS.

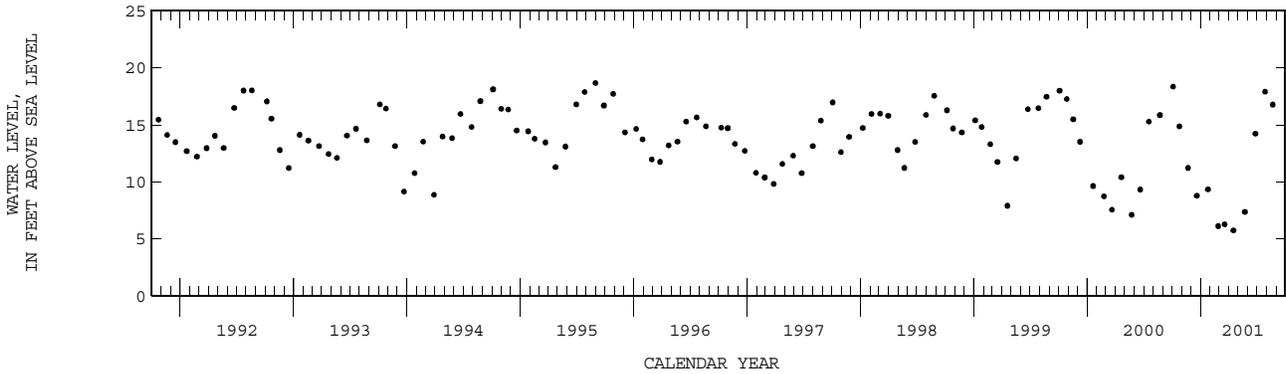
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observation. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.65 ft NGVD, Aug. 31, 1995; lowest, 0.55 ft NGVD, Mar. 30, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1433	18.33	16...	1324	5.72
24...	1432	14.86	MAY		
NOV			23...	1516	7.35
21...	1323	11.21	JUN		
DEC			26...	1439	14.20
19...	1214	8.76	JUL		
JAN			27...	1044	17.90
24...	1129	9.32	AUG		
FEB			21...	1102	16.76
26...	1614	6.10			
MAR					
19...	1245	6.26			



COLLIER COUNTY--Continued

WELL NUMBER.--261741081235401. Local Number C 503.

LOCATION.--Lat 26°17'42", long 81°23'43", in NW ¼ NW ¼ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of CR-858, 3.4 mi west of SR-29 and 4.0 mi northwest of Sunniland.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20.4 ft, cased to 8 ft, open hole 8 to 20.4 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 18.80 ft above National Geodetic Vertical Datum of 1929. Between October 1979 and September 1982, land-surface datum was considered to be 17.47 ft above NGVD. Measuring point: Top of flange, 3.50 ft above land-surface datum. See REMARKS.

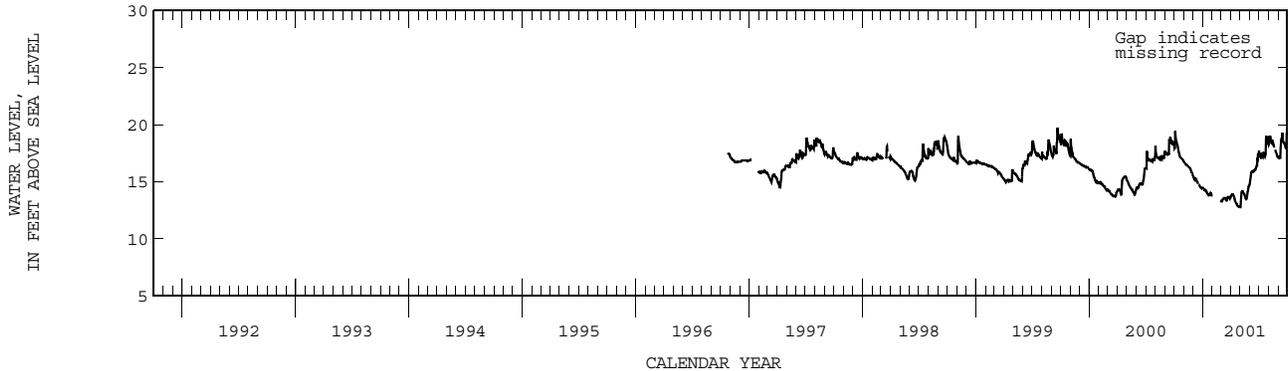
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, between October 1979 and September 1982 are in error. Corrected records are in files of the Geological Survey. See DATUM.

PERIOD OF RECORD.--January 1972 to September 1984 (daily), October 1984 to September 1996 (monthly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.67 ft NGVD, present datum, Sept. 20, 21, 1999; lowest, 12.78 ft NGVD, May 2, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.01	16.62	15.22	14.31	---	13.37	13.87	14.03	15.67	17.20	18.56	17.16
10	18.35	16.48	15.25	14.26	---	13.58	13.80	14.14	15.92	17.43	18.42	18.69
15	17.60	16.35	14.95	14.00	---	13.51	13.34	13.83	15.95	17.56	18.43	18.91
20	17.18	16.20	14.74	13.81	---	13.49	13.07	13.49	16.16	17.21	---	18.40
25	17.02	15.86	14.52	13.97	---	13.67	12.83	14.05	17.07	18.88	17.59	17.98
EOM	16.83	15.53	14.47	13.83	13.33	13.65	12.80	14.70	17.18	18.24	17.17	19.06
MAX	19.45	16.77	15.46	14.47	13.34	13.68	13.87	14.70	17.48	19.02	19.03	19.42



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261802081354801. Local Number C 688.

LOCATION.--Lat 26°18'04", long 81°35'47", in SE ¼ NE ¼ sec.15, T.48 S., R.27 E., Hydrologic Unit 03090204, 50 ft south and 200 ft west of the intersection of 37th Avenue NW and CR-846, 0.65 mi north of the intersection of CR-858 and CR-846, 14 mi southwest of the Immokalee Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 242 ft, cased to 220 ft, open hole 220 to 242 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 15.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.90 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 16.73 above National Geodetic

Vertical Datum of 1929 and measuring point was considered to be 1.75 ft above land-surface datum. See REMARKS.

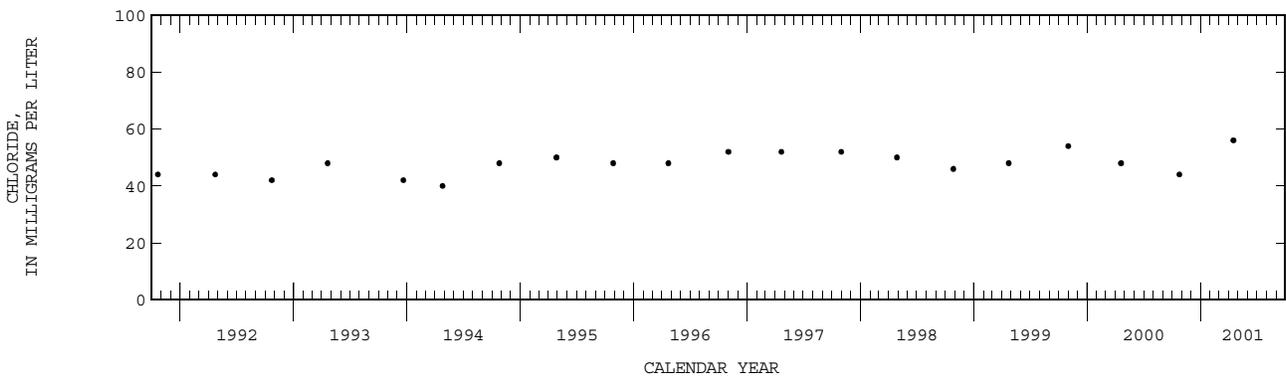
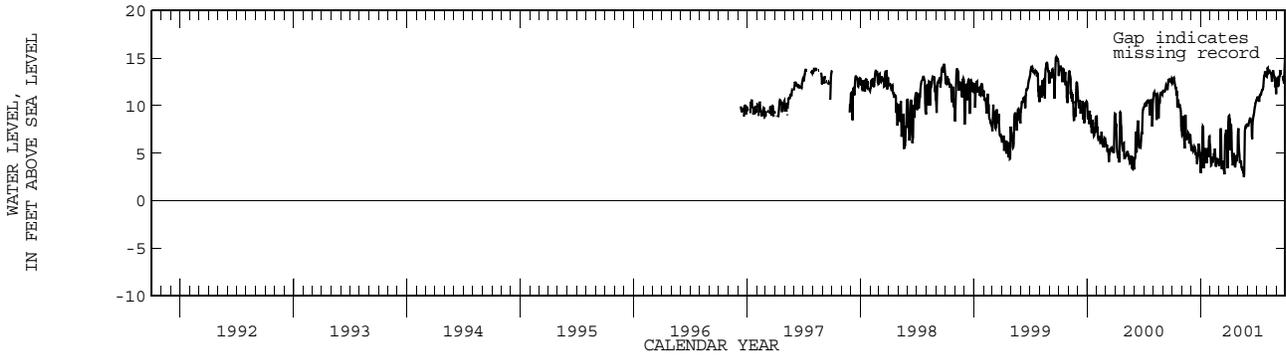
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1983 are available in files of the Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--September 1981 to November 1996 (monthly), December 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.81 ft NGVD, June 29, 1982; lowest, 1.95 ft NGVD, Mar. 29, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.94	8.67	5.36	5.29	4.29	5.75	7.85	4.85	8.27	10.88	13.96	12.70
10	12.13	5.49	5.10	3.42	4.49	3.51	7.15	4.16	8.57	11.08	13.61	13.04
15	11.49	6.40	5.02	4.49	5.50	3.62	3.88	3.53	6.50	11.40	13.36	13.63
20	10.58	6.94	3.85	3.94	3.91	6.91	4.12	2.51	9.03	11.86	13.47	---
25	10.01	6.12	5.94	4.90	4.25	7.09	4.56	7.83	10.19	13.18	13.13	12.58
EOM	7.88	5.74	3.35	5.83	3.99	8.80	6.80	7.91	10.60	13.10	11.22	15.35
MAX	12.95	9.05	5.99	7.88	5.50	8.80	8.97	8.05	10.60	13.54	14.00	15.35



COLLIER COUNTY--Continued

WELL NUMBER.--261802081354802. Local Number C 1097.

LOCATION.--Lat 26°18'04", long 81°35'47", in SE ¼ SE ¼ sec.15, T.48 S., R.27 E., Hydrologic Unit 03090204, 50 ft south and 200 ft west of the intersection of 37th Avenue NW and CR-846, 0.65 mi north of the intersection of CR-858 and CR-846, 14 mi southwest of the Immokalee Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 18 ft, screened 15 to 18 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.74 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. PVC casing, 2.70 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 16.73 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 1.71 ft above land-surface datum. See REMARKS.

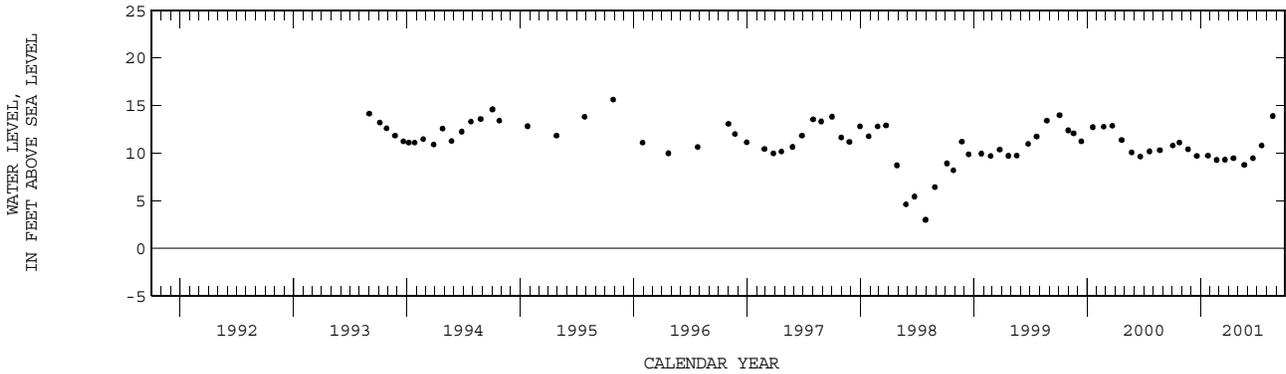
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--July 1993 to September 1994 (monthly), October 1994 to July 1996 (quarterly), November 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.63 ft NGVD, Oct. 27, 1995; lowest, 2.99 ft NGVD, July 29, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1200	10.81	16...	0840	9.46
24...	1200	11.12	MAY		
NOV			21...	0840	8.76
21...	1256	10.42	JUN		
DEC			18...	0840	9.47
19...	1247	9.71	JUL		
JAN			16...	0900	10.80
24...	1000	9.74	AUG		
FEB			21...	1306	13.91
21...	0935	9.29			
MAR					
20...	0835	9.32			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261805081473302. Local Number C 1083.

LOCATION.--Lat 26°18'56", long 81°47'19", in SE ¼ NW ¼ SE ¼ sec.10, T.48 S., R.25 E., Hydrologic Unit 03090204, 10 ft north of Sun Century Road, 230 ft east of old US 41 (SR-887) and 2.5 mi south of Bonita Springs.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 74 ft, cased to 58 ft, 16 ft of open hole.

INSTRUMENTATION.--Electronic data logger, with pressure transducer.

DATUM.--Land-surface datum is 13.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.98 ft above land-surface datum.

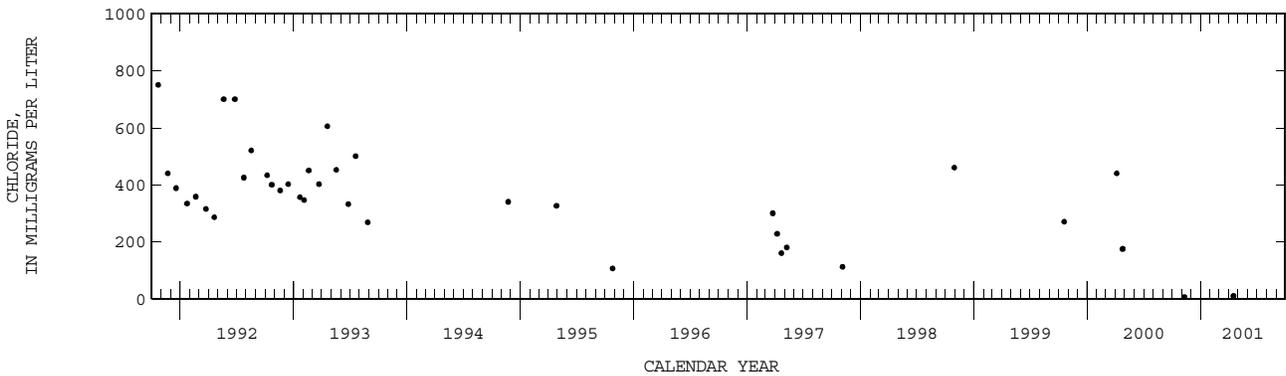
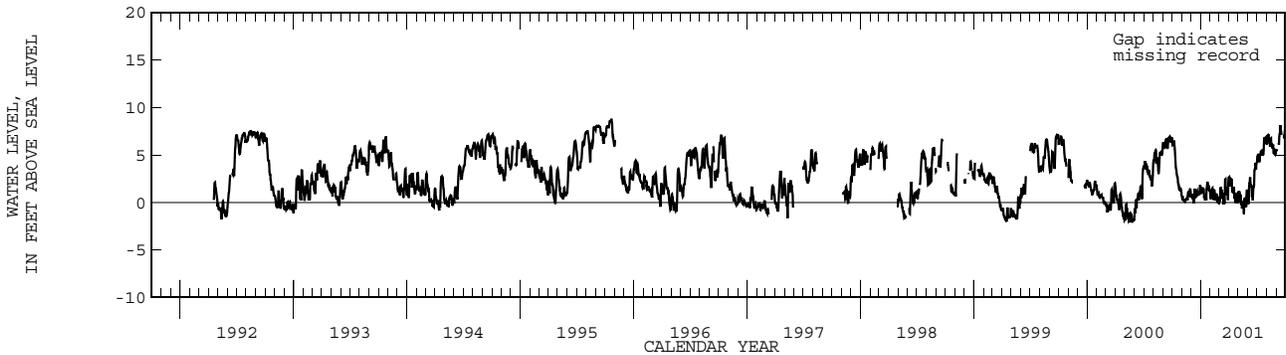
REMARKS.--Well is also used for salinity monitoring. Most of the open-hole portion of this well has collapsed or become obstructed. Chloride concentration samples are being collected from a depth of 62 ft.

PERIOD OF RECORD.--June 1987 to March 1991 (intermittent), April 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.72 ft NGVD, Oct. 20, 21, 1995; lowest water level measured, 4.27 ft below NGVD, Apr. 13, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.38	.28	.79	1.17	.97	1.39	1.71	1.10	1.53	4.57	6.91	---
10	4.87	.13	-.10	1.42	.81	1.25	2.43	-.25	1.57	4.91	6.42	6.92
15	3.01	.32	1.10	.44	.58	-.20	1.00	.10	.66	5.16	6.74	8.01
20	1.89	.93	1.18	1.54	.84	2.44	.72	-1.23	1.67	5.13	5.97	---
25	1.43	1.07	.89	1.31	-.06	.80	.91	.44	3.95	6.78	5.39	7.08
EOM	.82	.51	1.45	1.01	.45	2.61	.98	.20	4.13	6.37	5.52	7.80
MAX	6.46	1.39	1.78	2.11	1.53	2.61	2.70	1.26	4.13	6.84	7.09	8.01



COLLIER COUNTY--Continued

WELL NUMBER.--261823081171901. Local Number C 1071.

LOCATION.--Lat 26°18'14", long 81°17'37", in SW ¼ SW ¼ NE ¼ sec.14, T.48 S., R.30 E., Hydrologic Unit 03090204, 15 ft south of CR-858, 2.2 mi east of SR-29, 11.0 mi southeast of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 35 ft, cased to 20 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Electronic data logger.

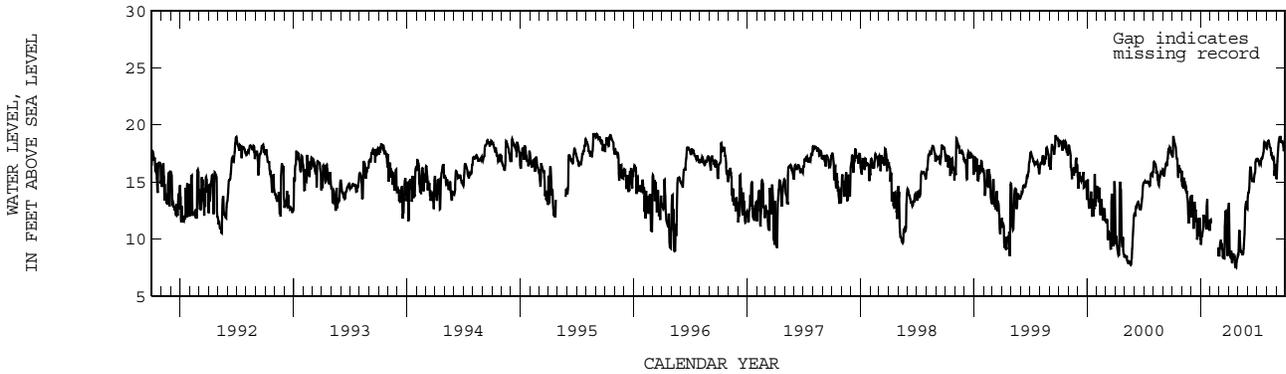
DATUM.--Land-surface datum is 19.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf 3.69 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.21 ft NGVD, Aug. 24, 25, 27, 1995; lowest, 6.83 ft NGVD, Apr. 12, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.94	14.76	12.91	10.27	---	9.75	8.50	10.78	14.25	16.97	18.37	17.11
10	18.23	14.72	12.87	11.99	---	9.63	8.68	8.86	16.27	16.71	18.27	18.81
15	17.10	14.31	12.48	11.97	---	9.01	8.65	8.56	15.14	17.08	17.57	18.89
20	15.35	13.14	9.94	12.83	---	11.81	8.44	9.44	15.09	17.36	17.24	18.58
25	16.06	12.33	11.43	10.91	8.90	10.01	7.50	12.95	16.19	18.46	16.66	17.69
EOM	15.15	11.90	10.40	11.25	9.25	12.78	8.59	12.62	16.96	17.94	16.23	18.89
MAX	18.95	15.37	13.86	13.48	11.69	12.78	13.15	13.32	17.01	18.50	18.63	19.05



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--261823081171902. Local Number C 1072.

LOCATION.--Lat 26°18'14", Long 81°17'37", in SW ¼ SW ¼ NE ¼ sec.14, T.48 S., R.30 E., Hydrologic Unit 03090204, 15 ft south of CR-858, 2.2 mi east of SR-29, 11.0 mi southeast of Immokalee.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 260 ft, cased to 140 ft, screened from 140 to 220 ft with 0.02 screen.

INSTRUMENTATION.-- Electronic data logger.

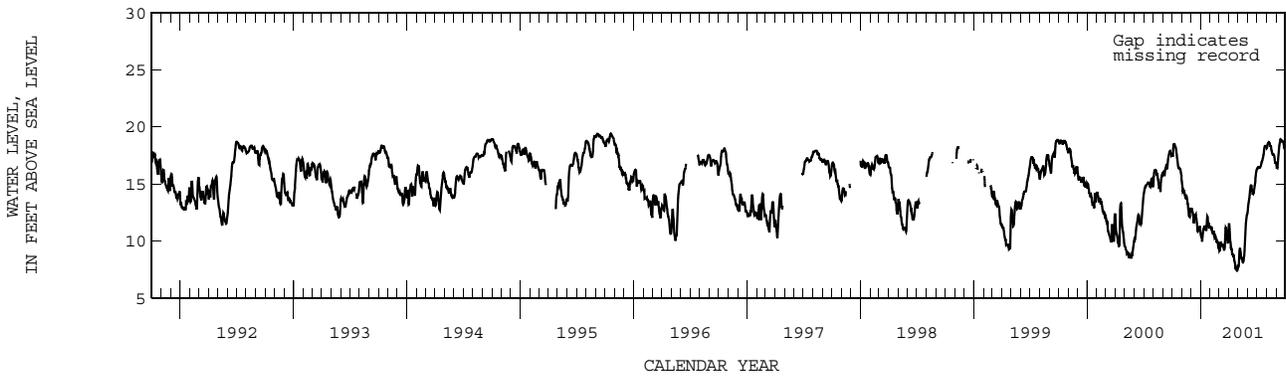
DATUM.--Land-surface datum is 19.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.74 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.41 ft NGVD, Nov. 27, 1987; lowest, 7.40 ft NGVD, Apr. 28, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.43	14.41	12.54	9.93	11.10	9.61	9.97	9.15	13.59	16.49	18.53	16.79
10	18.33	14.04	11.88	10.96	10.75	9.69	9.26	8.57	14.81	16.47	18.62	18.34
15	17.59	13.85	12.25	11.16	10.39	9.55	8.75	8.15	14.44	16.84	18.25	18.93
20	16.46	13.27	11.48	11.24	9.96	10.20	8.15	8.53	14.23	17.31	17.62	18.82
25	16.33	12.13	11.14	11.57	9.58	10.47	7.52	10.97	15.28	18.27	17.54	18.52
EOM	15.42	12.80	10.68	11.17	9.34	11.15	7.62	12.40	16.22	18.22	16.81	18.96
MAX	18.52	15.23	12.86	12.20	11.23	11.20	11.48	12.40	16.22	18.34	18.67	18.96



COLLIER COUNTY--Continued

WELL NUMBER.--262121081355501. Local Number C 978.

LOCATION.--Lat 26°21'23", long 81°35'59", in NW ¼ SE ¼ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3 Avenue South (Platt Road), 0.25 mi west of CR-846 and 12 mi southwest of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation water-table well, diameter 6 in., depth 40 ft, cased to 15 ft, open hole 15 to 40 ft.

INSTRUMENTATION.--Electronic data logger.

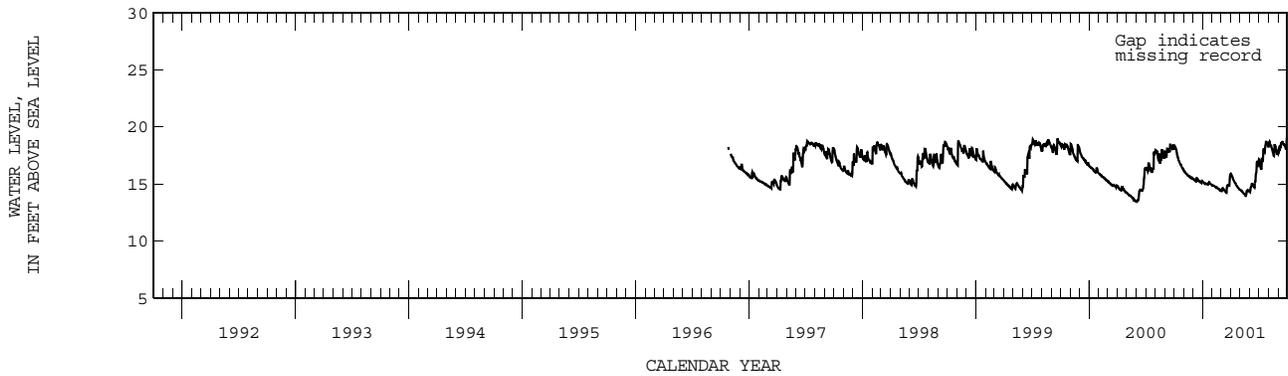
DATUM.--Land-surface datum is 19.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.86 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to October 1996 (monthly), November 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.07 ft NGVD, Oct. 4, 1993; lowest daily maximum water level, 13.45 ft NGVD, June 3, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.24	16.04	15.33	15.08	14.85	14.61	15.68	14.42	14.73	16.70	18.57	18.13
10	17.57	15.87	15.20	15.04	14.75	14.52	15.39	14.24	15.01	17.14	18.25	18.64
15	17.10	15.73	15.42	15.00	14.69	14.32	15.11	14.10	14.72	18.04	17.77	18.66
20	16.77	15.67	15.25	15.12	14.56	14.85	14.86	13.96	15.82	18.14	18.47	18.46
25	16.50	15.56	15.15	15.06	14.49	14.85	14.68	14.45	17.02	18.63	18.02	18.11
EOM	16.22	15.46	15.23	14.91	14.42	15.87	14.51	14.36	17.02	18.21	17.82	18.86
MAX	18.28	16.18	15.52	15.19	14.89	15.87	15.92	14.49	17.02	18.69	18.70	19.08



COLLIER COUNTY--Continued

WELL NUMBER.--262121081355502. Local Number C 963.

LOCATION.--Lat 26°21'23", long 81°35'59", in SE ¼ SW ¼ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3 Avenue South (Platt Rd.), 0.25 mi west of CR-846 and 12 mi southwest of Immokalee.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 340 ft, cased to 310 ft, open hole 310 to 340 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 19.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. coupling, 0.51 ft above land-surface datum. Prior to October 1982, measuring point was top of gate valve, 5.90 ft above land-surface datum. See REMARKS.

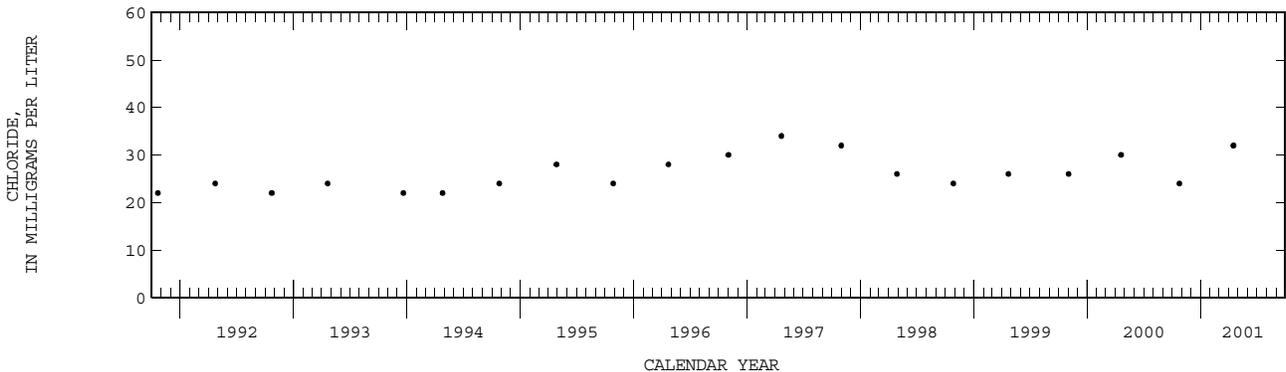
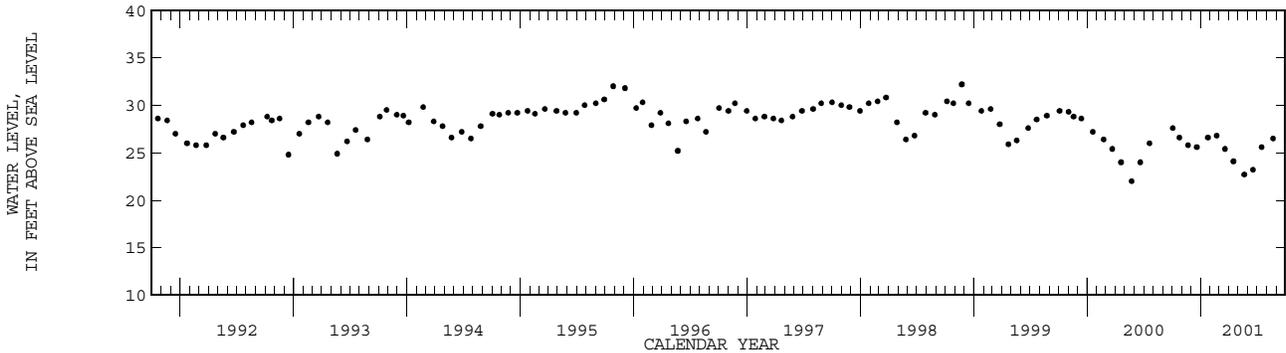
REMARKS.--Well is also used for salinity monitoring. This well is open to the aquifer for 30 ft. The exact depth from which the chloride containing water is emanating cannot be further delineated. The figures of water levels as elevation, in feet NGVD, prior to October 1992 are in error. Corrected records are in files of the Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.2 ft NGVD, Nov. 23, 1998; lowest, 15.28 ft NGVD, Feb. 22, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 03...	1238	--	--	27.60	APR 16...	1100	406	32.0	24.10
24...	1238	407	24.0	26.60	MAY 21...	1050	--	--	22.70
NOV 21...	1313	--	--	25.80	JUN 18...	1100	--	--	23.20
DEC 19...	1318	--	--	25.60	JUL 16...	1110	--	--	25.60
JAN 24...	1315	--	--	26.60	AUG 22...	0942	--	--	26.50
FEB 21...	1120	--	--	26.80					
MAR 20...	1045	--	--	25.40					



COLLIER COUNTY--Continued

WELL NUMBER.--262121081355503. Local Number C 979.

LOCATION.--Lat 26°21'23", long 81°35'59", in NW ¼ SE ¼ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C3 Avenue South (Platt Road), 0.25 mi west of CR-846 and 12 mi southwest of Immokalee.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth is 113 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

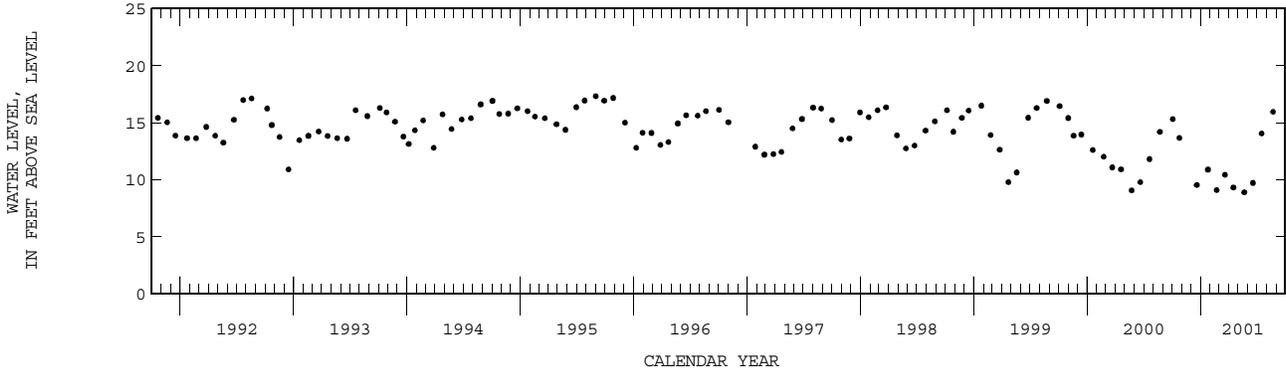
DATUM.--Land-surface datum is 19.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.47 ft below land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.79 ft NGVD, July 26, 1988; lowest, 6.93 ft NGVD, Mar. 29, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1241	15.32	16...	1055	9.32
24...	1359	13.66	MAY		
DEC			21...	1030	8.89
19...	1332	9.54	JUN		
JAN			18...	1050	9.72
24...	1330	10.89	JUL		
FEB			16...	1100	14.06
21...	1110	9.09	AUG		
MAR			22...	0940	15.95
20...	1040	10.44			



COLLIER COUNTY--Continued

WELL NUMBER.--262136081204201. Local Number C 966.

LOCATION.--Lat 26°21'38", long 81°20'41", in NE ¼ SW ¼ sec.29, T.47 S., R.30 E., Hydrologic Unit 03090204, 98 ft north of Motorola Road, 55 ft west of SR-29, 4.0 mi north of CR-858, 5.7 mi south of SR-29A and 6.5 mi south of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 30 ft, open hole 30 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.31 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 21.96 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 0.35 ft above land-surface datum. See REMARKS.

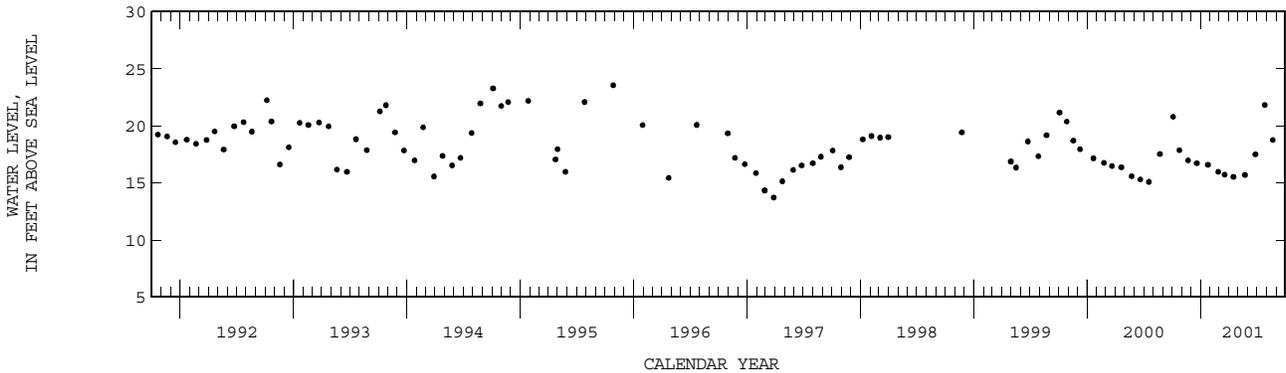
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--October 1984 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.56 ft NGVD, Oct. 27, 1995; lowest, 13.71 ft NGVD, Mar. 27, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1412	20.78	16...	1301	15.52
24...	1411	17.85	MAY		
NOV			23...	1456	15.69
21...	1302	16.96	JUN		
DEC			26...	1356	17.49
19...	1152	16.71	JUL		
JAN			26...	1438	21.83
24...	1045	16.58	AUG		
FEB			21...	1050	18.75
26...	1443	15.97			
MAR					
19...	1225	15.72			



COLLIER COUNTY--Continued

WELL NUMBER.--262136081204202. Local Number C 965.

LOCATION.--Lat 26°21'38", long 81°20'41", in NE ¼ SW ¼ sec.29, T.47 S., R.30 E., Hydrologic Unit 03090204, 98 ft north of Motorola Road, 55 ft west of SR-29, 4.0 mi north of CR-858, 5.7 mi south of SR-29A and 6.5 mi south of Immokalee.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 460 ft, cased to 438 ft, open hole 438 to 460 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.41 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in. casing, 2.00 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 21.96 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 1.45 ft above land-surface datum. See REMARKS.

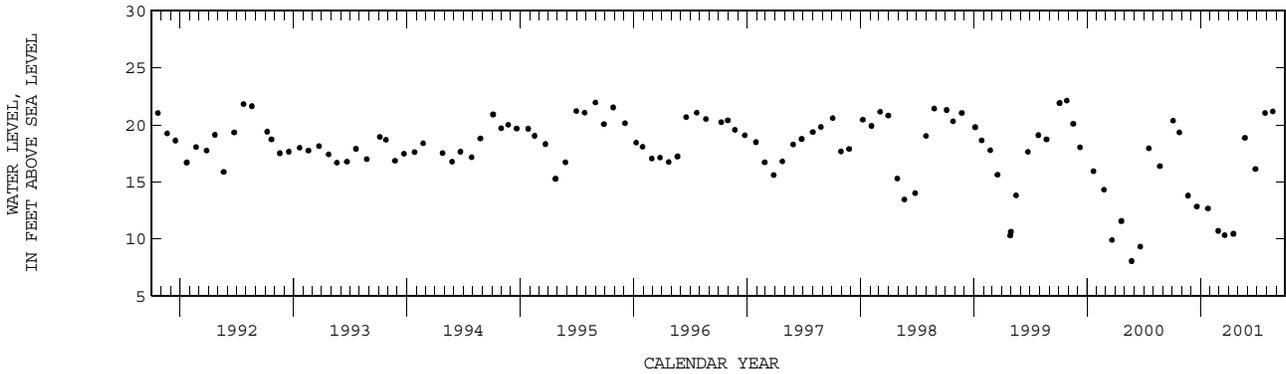
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.22 ft NGVD, July 24, 1991; lowest, 8.03 ft NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1410	20.35	16...	1303	10.43
24...	1409	19.31	MAY		
NOV			23...	1458	18.84
21...	1304	13.78	JUN		
DEC			26...	1359	16.11
19...	1156	12.81	JUL		
JAN			27...	1239	21.02
24...	1043	12.65	AUG		
FEB			21...	1049	21.16
26...	1441	10.68			
MAR					
19...	1226	10.31			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--262158081283401. Local Number C 981.

LOCATION.--Lat 26°22'00", long 81°28'36", in SE ¼ SW ¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of CR-846, 2.8 mi east of Oil Grade Road and 4.5 mi southwest of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 60 ft, cased to 40 ft, open hole 40 to 60 ft.

INSTRUMENTATION.--Electronic data logger.

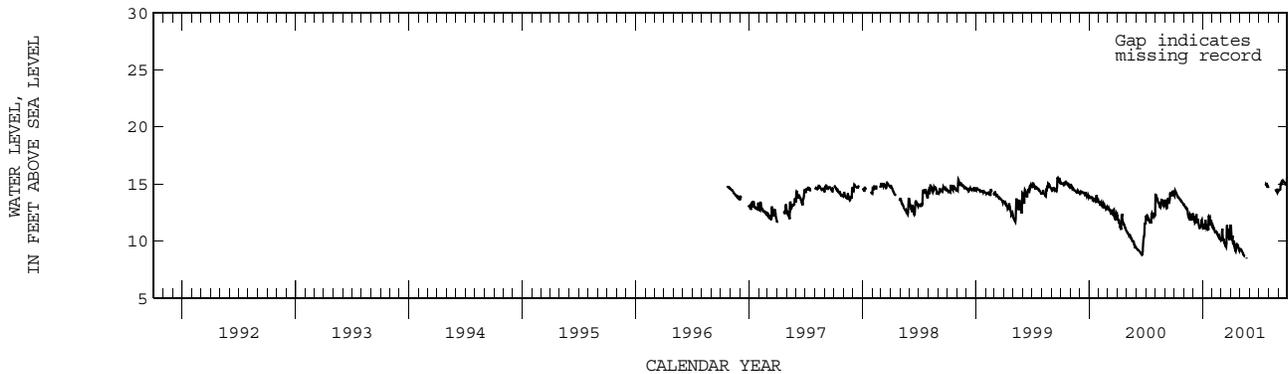
DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.45 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to September 1996 (monthly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.60 ft NGVD, Sept. 29, 2001; lowest, 8.48 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.40	13.04	11.78	11.12	11.15	11.07	10.30	9.23	---	---	---	14.48
10	14.06	12.80	12.06	11.45	10.75	10.01	10.06	8.88	---	---	---	15.05
15	13.81	12.19	11.72	11.29	10.71	9.61	9.28	8.68	---	---	---	15.30
20	13.64	12.03	11.31	12.15	10.48	11.38	9.72	---	---	---	---	15.19
25	13.44	12.04	11.34	11.55	10.17	10.21	9.48	---	---	15.02	14.44	14.99
EOM	13.21	12.43	11.27	11.61	10.11	11.36	9.24	---	---	14.72	14.46	15.49
MAX	14.46	13.20	12.27	12.20	11.32	11.38	11.41	9.30	---	15.02	14.66	15.60



COLLIER COUNTY--Continued

WELL NUMBER.--262158081283402. Local Number C 983.

LOCATION.--Lat 26°22'00", long 81°28'36", in SE ¼ SW ¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of CR-846, 2.8 mi east of Oil Grade Road and 4.5 mi southwest of Immokalee.

AQUIFER.--Mid-hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 520 ft, cased to 480 ft, open hole 480 to 520 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

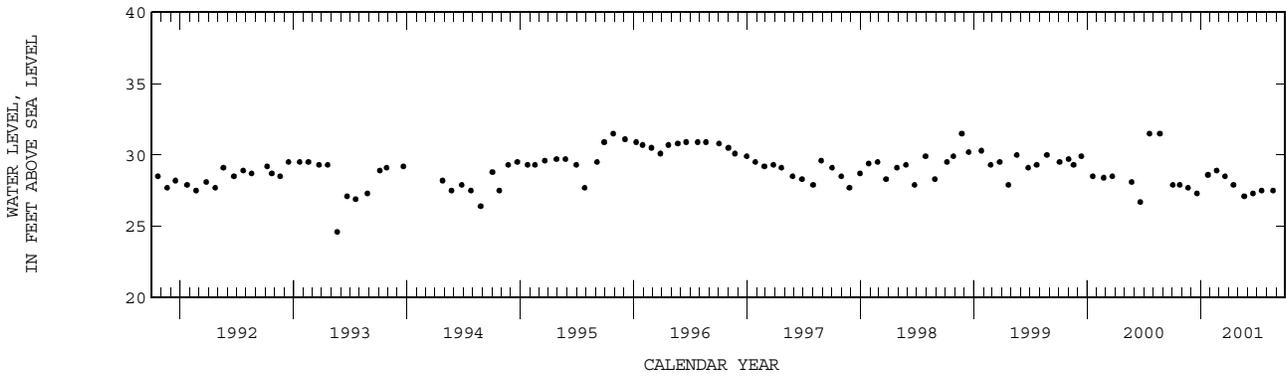
DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. reducer, 1.36 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.8 ft NGVD, Nov. 25, 1987; lowest, 24.6 ft NGVD, May 21, 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1419	27.90	16...	0935	27.90
25...	1014	27.90	MAY		
NOV			21...	0940	27.10
21...	1359	27.70	JUN		
DEC			18...	0950	27.30
20...	1142	27.30	JUL		
JAN			16...	1000	27.50
24...	1050	28.60	AUG		
FEB			22...	0842	27.50
21...	1010	28.90			
MAR					
20...	0930	28.50			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--262158081283403. Local Number C 982.

LOCATION.--Lat 26°22'00", long 81°28'36", in SE 1/4 SW 1/4 sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of CR-846, 2.8 mi east of Oil Grade Road and 4.5 mi southwest of Immokalee.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 160 ft, cased to 150 ft, open hole 150 to 160 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

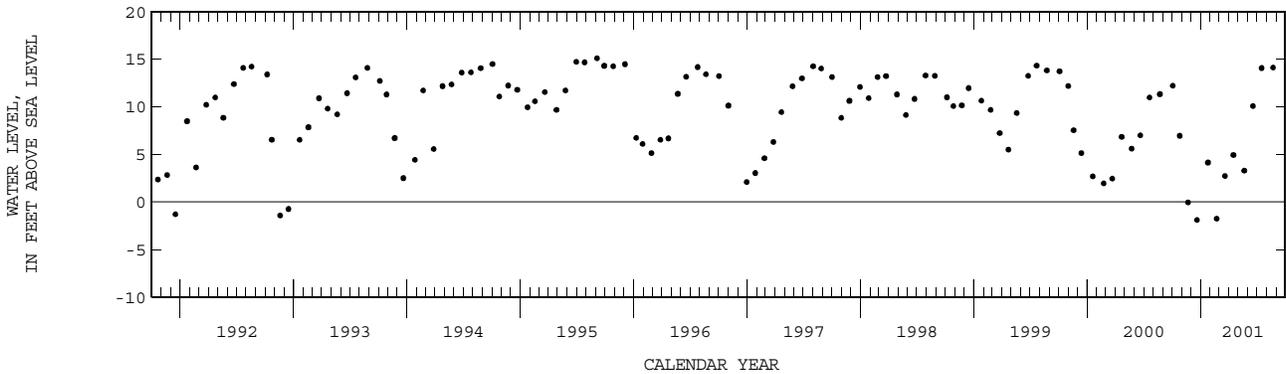
DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.91 ft above land-surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.20 ft NGVD, July 24, 1991; lowest, 6.91 ft below NGVD, Mar. 31, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1417	12.23	16...	0945	4.95
25...	1035	6.97	MAY		
NOV			21...	0845	3.29
21...	1414	-0.04	JUN		
DEC			18...	0950	10.10
20...	1310	-1.89	JUL		
JAN			16...	1005	14.10
24...	1100	4.15	AUG		
FEB			22...	0854	14.15
21...	1030	-1.77			
MAR					
20...	0940	2.74			



COLLIER COUNTY--Continued

WELL NUMBER.--262158081283404. Local Number C 1079.

LOCATION.--Lat 26°22'00", long 81°28'36", in SW ¼ SE ¼ SW ¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of CR-846, 2.8 mi east of Oil Grade Road and 4.5 mi southwest of Immokalee.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 390 ft, cased to 298 ft, 92 ft of open hole.

INSTRUMENTATION.--Electronic data logger.

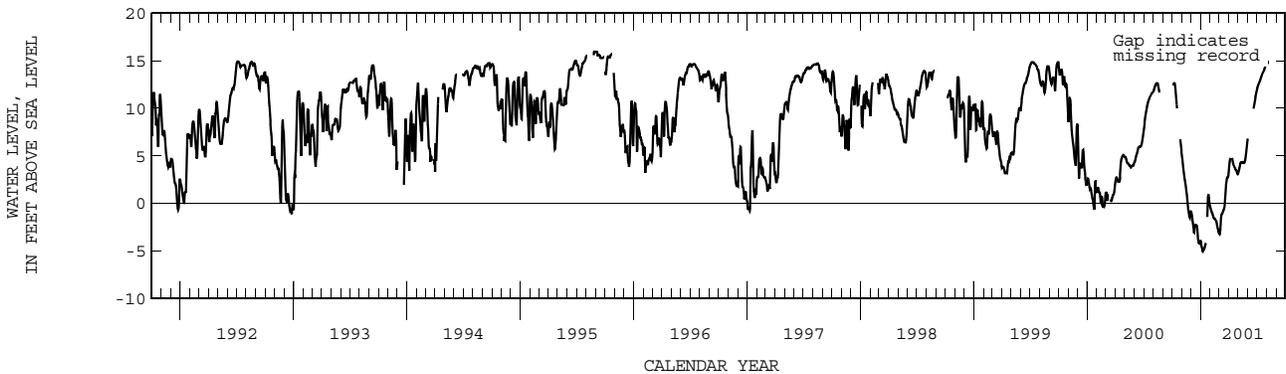
DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.33 ft above land-surface datum.

PERIOD OF RECORD.--October 1985 to September 1986 (semiannual), April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.98 ft NGVD, Aug. 28-31, 1995; lowest, 6.84 ft below NGVD, Apr. 26, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.52	3.89	-1.86	-4.77	-.92	-2.70	4.72	3.72	---	12.47	14.82	---
10	12.37	2.54	-3.03	-4.84	-1.42	-1.10	---	4.30	---	12.86	---	---
15	10.38	1.42	-2.25	-4.35	-1.60	-.71	4.22	4.31	---	13.36	---	---
20	---	-.27	-2.46	---	-1.97	.53	3.81	4.26	10.15	13.77	---	---
25	---	-1.42	-4.14	.87	-2.79	2.49	3.49	4.79	11.05	14.20	---	---
EOM	5.32	-.85	-3.96	-.37	-3.07	3.22	3.07	6.57	11.83	14.64	---	---
MAX	12.65	5.08	-.91	.87	-.50	3.22	4.78	6.57	11.83	14.64	14.91	---



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--262228081361901. Local Number C 492.

LOCATION.--Lat 26°22'28", long 81°36'19", in SE ¼ NW ¼ sec.22, T.47 S., R.27 E., Hydrologic Unit 03090204, Corkscrew Swamp Sanctuary, north of service road, 0.01 mi west of parking lot, 1 mi west and 0.55 mi north of CR-846 on CR-849 and 12 mi north of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD. (Corrected.) See REMARKS

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 64 ft, cased 60 ft, open hole 60 to 64 ft. See REMARKS.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 18.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.10 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 17.50 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 3.96 ft above land-surface datum. See REMARKS.

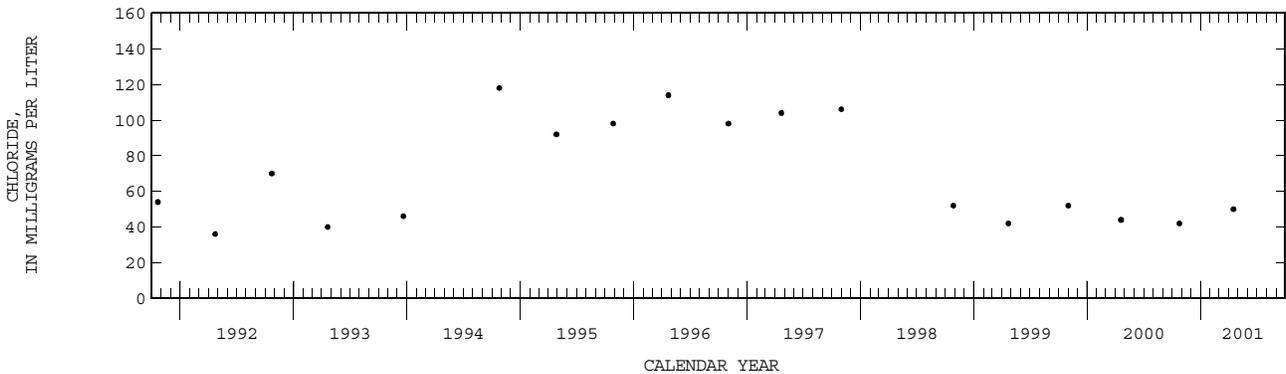
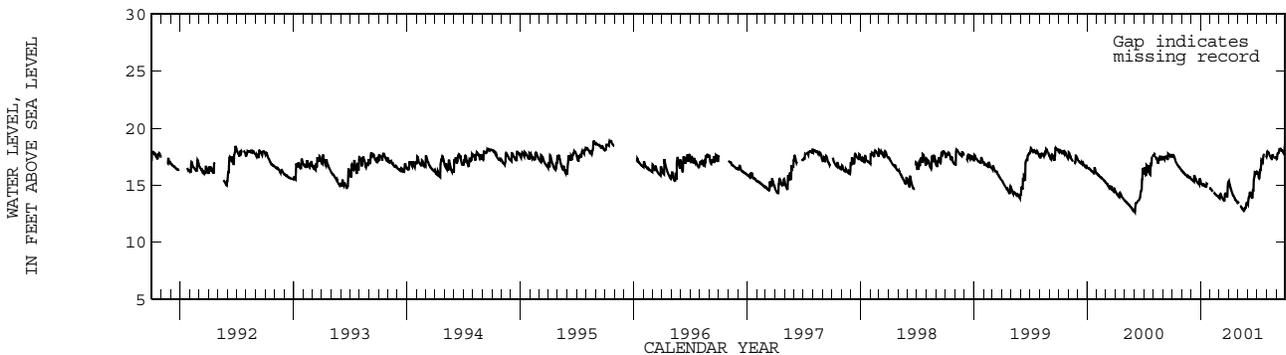
REMARKS.--Well is also used for salinity monitoring. Borehole camera inspection indicated that this well is open to the aquifer at a depth of 19 ft and is currently 21 ft deep. It is unknown whether or not the cased depth and well depth that were initially reported for this well were incorrect. It is possible that the casing has separated and the well has filled in with rock from the formation. See WELL CHARACTERISTICS. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--October 1973 to September 1984 (daily), October 1984 to October 1986 (intermittent), November 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.88 ft NGVD, Oct. 19, 1995; lowest, 12.35 ft NGVD, May 6, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.63	16.15	15.40	14.99	14.58	14.22	14.86	---	13.96	16.02	17.87	17.78
10	17.25	15.98	15.50	15.00	---	13.97	14.48	13.07	14.31	16.24	17.66	18.06
15	16.91	15.85	15.59	14.91	14.25	13.72	14.08	12.88	13.87	17.22	17.41	18.21
20	16.68	15.84	15.29	15.12	14.09	14.24	13.84	12.72	15.43	17.29	17.71	18.02
25	16.51	15.71	15.16	---	13.99	14.04	13.63	12.99	16.20	---	17.40	17.82
EOM	16.29	15.55	15.33	14.71	13.91	15.30	13.47	13.40	16.08	17.51	17.40	18.57
MAX	17.64	16.27	15.80	15.18	14.69	15.30	15.36	13.50	16.20	17.76	17.96	18.58



COLLIER COUNTY--Continued

WELL NUMBER.--262228081361902. Local Number C 1080.

LOCATION.--Lat 26°22'28", long 81°36'19", in SE ¼ NW ¼ sec.22, T.47 S., R.27 E., Hydrologic Unit 03090204, at Corkscrew Swamp Sanctuary, next to C-492 north of service road, 0.1 mi west of parking lot, 1 mi west and 0.55 mi north of CR-846 on CR-849 and 12 mi southwest of Immokalee and 15 mi northeast of East Naples.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 309 ft, cased to 238 ft, 71 ft of open hole. INSTRUMENTATION.--Monthly measurement with pressure gage or chalked tape.

DATUM.--Land-surface datum is 18.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 3/4 in. bushing, 4.60 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 17.50 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 5.96 ft above land-surface datum. See REMARKS.

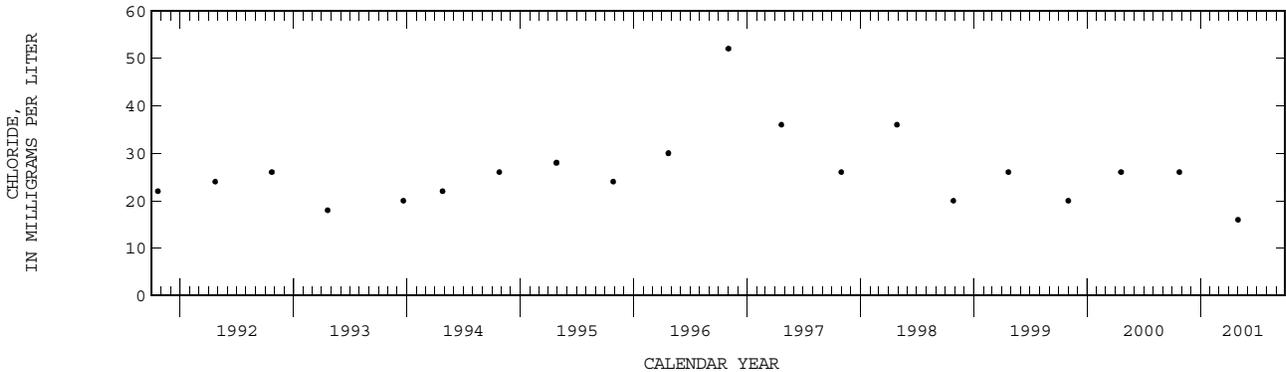
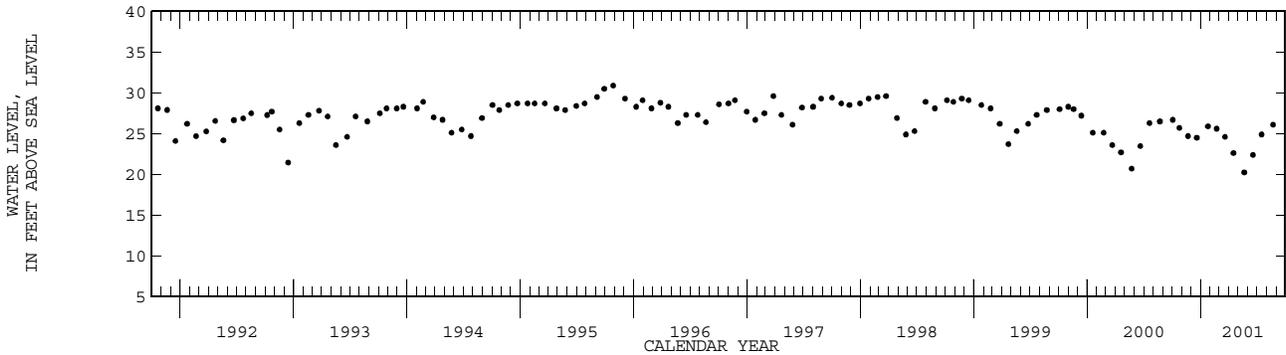
REMARKS.--Well is also used for salinity monitoring. This well is open to the aquifer for 71 ft. The exact depth from which the chloride containing water is emanating cannot be further delineated. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.90 ft NGVD, Oct. 27, 1995; lowest, 11.76 ft NGVD, Feb. 22, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
03...	1251	--	--	26.70	16...	1015	--	--	22.61
24...	1431	440	26.0	25.70	MAY				
NOV					01...	1145	304	16.0	--
21...	1330	--	--	24.70	21...	1020	--	--	20.24
DEC					JUN				
19...	1347	--	--	24.50	18...	1030	--	--	22.39
JAN					JUL				
24...	1230	--	--	25.90	16...	1045	--	--	24.90
FEB					AUG				
21...	1100	--	--	25.60	22...	0911	--	--	26.10
MAR									
20...	1025	--	--	24.60					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--262505081245301. Local Number C 258.

LOCATION.--Lat 26°25'03", long 81°24'58", in NW ¼ SW ¼ sec.3, T.47 S., R.29 E., Hydrologic Unit 03090204, 100 ft south of SR-29, 500 ft east of SR-846 and 0.10 mi east southeast of the Immokalee Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 783 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 34.40 ft above National Geodetic Vertical Datum of 1929. Between March 1959 and September 1991, land-surface datum was considered to be 35.00 ft above NGVD. Measuring point: Top of 4 in. steel cap, 2.06 ft above land-surface datum. See REMARKS.

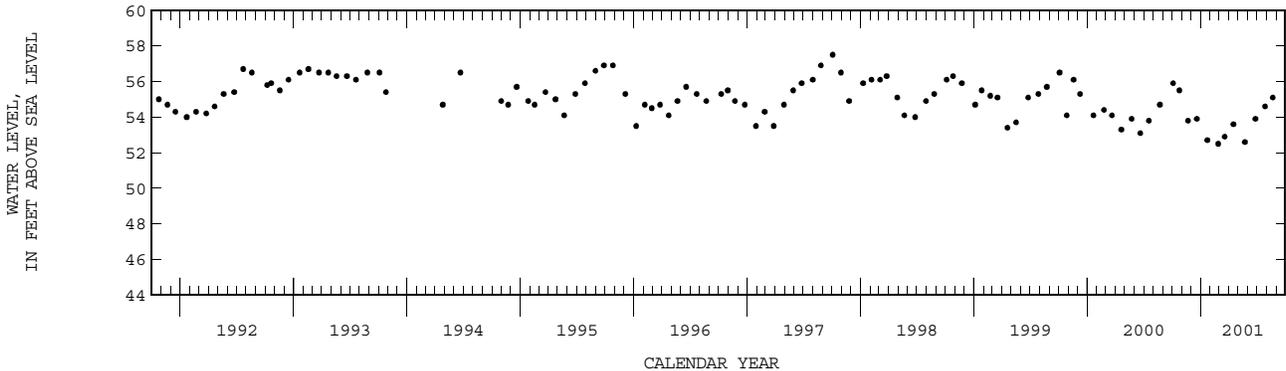
REMARKS.--Records of water levels prior to October 1983 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, between March 1959 and September 1991 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--March 1959 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.50 ft NGVD, Oct. 03, 1997; lowest, 51.50 ft NGVD, May 29, 1984 and June 24, 1987.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1103	55.90	16...	0930	53.60
24...	1049	55.50	MAY		
NOV			23...	1103	52.60
21...	0948	53.80	JUN		
DEC			26...	1104	53.90
19...	0945	53.90	JUL		
JAN			27...	1336	54.60
22...	1017	52.70	AUG		
FEB			21...	0844	55.10
26...	1207	52.50			
MAR					
19...	0928	52.90			



COLLIER COUNTY--Continued

WELL NUMBER.--262507081235201. Local Number C 298.

LOCATION.--Lat 26°25'09", long 81°23'54", in SW ¼ NW ¼ sec.2, T.47 S., R.29 E., Hydrologic Unit 03090204, 30 ft north of SR-846, 0.75 mi east of SR-29, and 1.4 mi east of the Immokalee Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in., depth 303 ft, cased to 254 ft, open hole 254 to 303 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 31.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 30.67 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.74 ft above land-surface datum. See DATUM.

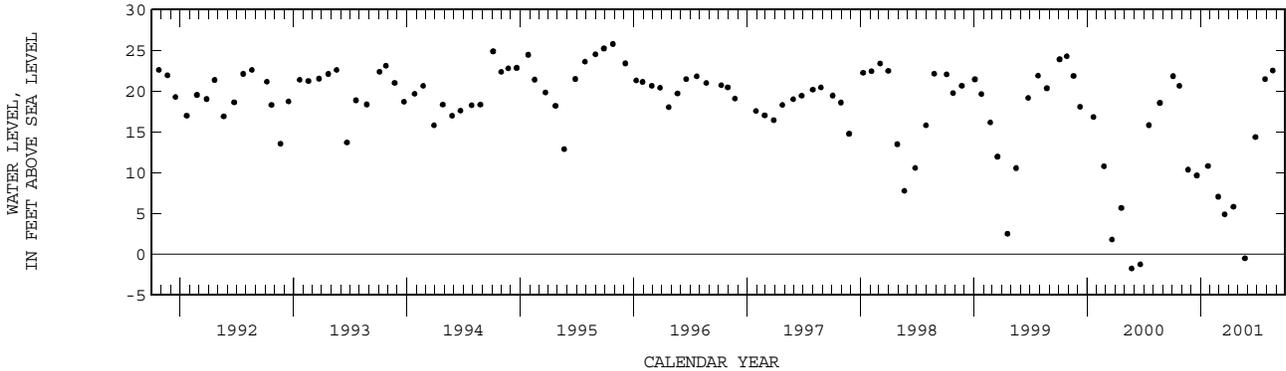
REMARKS.--Records of water levels prior to October 1983 are available in files of the Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--July 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.80 ft NGVD, Oct. 26, 1995; lowest, 1.76 ft below NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1258	21.85	16...	1116	5.82
24...	1250	20.65	MAY		
NOV			23...	1342	-0.52
21...	1158	10.37	JUN		
DEC			26...	1302	14.37
19...	1102	9.66	JUL		
JAN			27...	1147	21.49
24...	0924	10.81	AUG		
FEB			21...	1000	22.55
26...	1332	7.05			
MAR					
19...	1108	4.89			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--262519081162102. Local Number C 1074.

LOCATION.--Lat 26°25'20", long 81°16'19", in SE ¼ NE ¼ sec.1, T.47 S., R.30 E., Hydrologic Unit 03090204, 50 ft south of SR-846 at the Collier/Hendry County line southwest corner of SR-846 and CR-858 and 9 mi east of Immokalee.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 130 ft, cased to 100 ft, 30 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 26.71 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 3.00 ft above land-surface datum. See REMARKS.

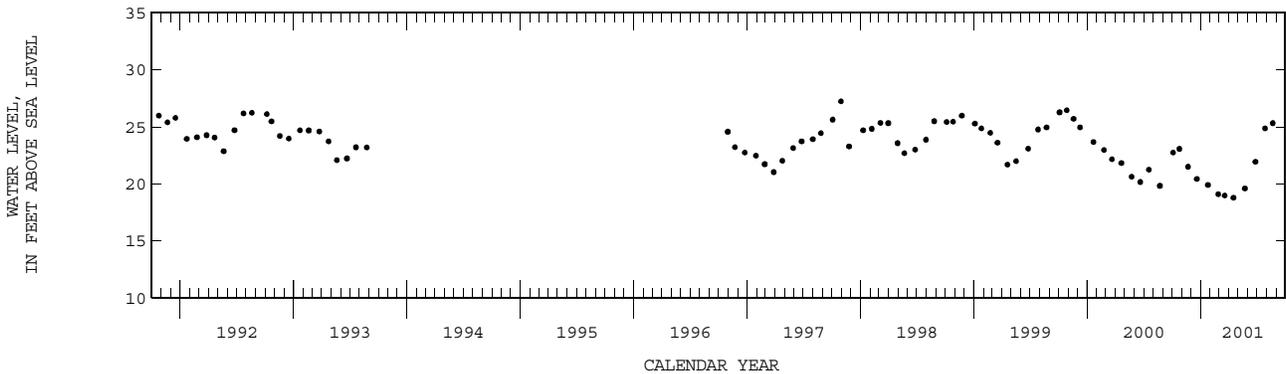
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--October 1985 to September 1986 (semiannual), April 1986 to September 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 27.22 ft NGVD, Oct. 30, 1997; lowest, 18.76 ft NGVD, Apr. 16, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 04...	1316	22.72	APR 16...	1130	18.76
24...	1309	23.05	MAY 23...	1408	19.58
NOV 21...	1210	21.49	JUN 26...	1319	21.92
DEC 19...	1117	20.41	JUL 27...	1132	24.84
JAN 24...	0947	19.89	AUG 21...	1015	25.31
FEB 26...	1350	19.08			
MAR 19...	1122	18.96			



COLLIER COUNTY--Continued

WELL NUMBER.--262521081161901. Local Number C 131.

LOCATION.--Lat 26°25'20", long 81°16'19", in SE ¼ NE ¼ sec.1, T.47 S., R.30 E., Hydrologic Unit 03090204, 50 ft northeast of the intersection of SR-846 and SR-858, at the Collier/Hendry County line and 9 mi east of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 22 ft, open hole 22 to 54 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 28.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.20 ft above land-surface datum. Prior to October 1975, land-surface datum was considered to be 26.60 ft above NGVD. Between October 1975 and October 2000 land-surface datum was considered to be 26.71 ft above National Geodetic Vertical datum of 1929 and measuring point was considered to be 2.94 ft above land-surface datum. See REMARKS.

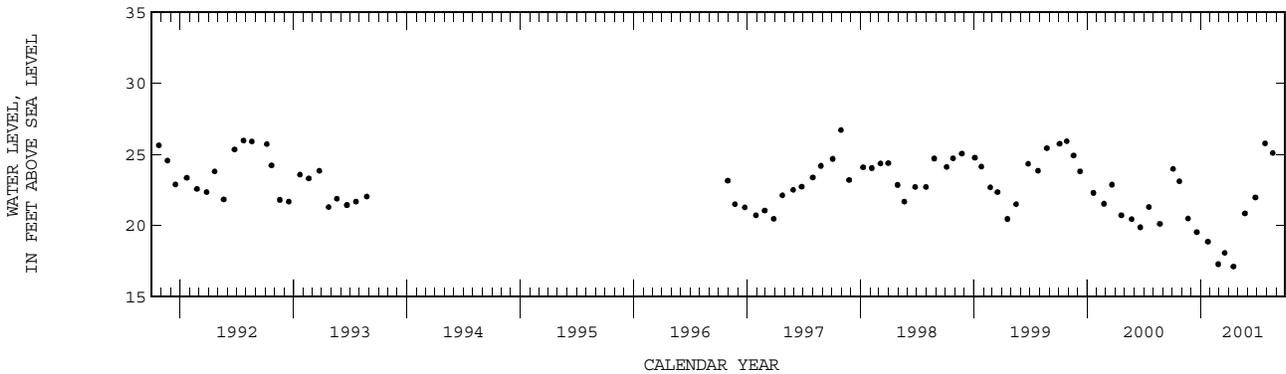
REMARKS.--Water levels affected by nearby irrigation. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water levels, as elevation in ft NGVD, prior to October 1975 are in error. Corrected records are in the files of the U.S. Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--June 1952 to September 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 26.83 ft NGVD, present datum, Oct. 9, 1953; lowest, 15.73 ft NGVD, Apr. 14, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1314	23.98	16...	1126	17.13
24...	1305	23.11	MAY		
NOV			23...	1405	20.86
21...	1207	20.50	JUN		
DEC			26...	1315	21.98
19...	1115	19.55	JUL		
JAN			27...	1136	25.78
24...	0945	18.88	AUG		
FEB			21...	1009	25.10
26...	1347	17.30			
MAR					
19...	1119	18.09			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--262554081283801. Local Number C 687.

LOCATION.--Lat 26°25'54", long 81°28'39", in NE ¼ SW ¼ sec.36, T.46 S., R.28 E., Hydrologic Unit 03090204, in island of Tippins Terrace Road, 0.1 mi south of CR-890, 3.2 mi west of the Immokalee Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 310 ft, cased to 290 ft, open hole 290 to 310 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 23.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum. Prior to October 1985, land-surface datum was considered to be 6.55 ft NGVD. Between October 1985 and October 2000 land-surface datum was considered to be 22.98 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 4.08 ft above land-surface datum. See REMARKS.

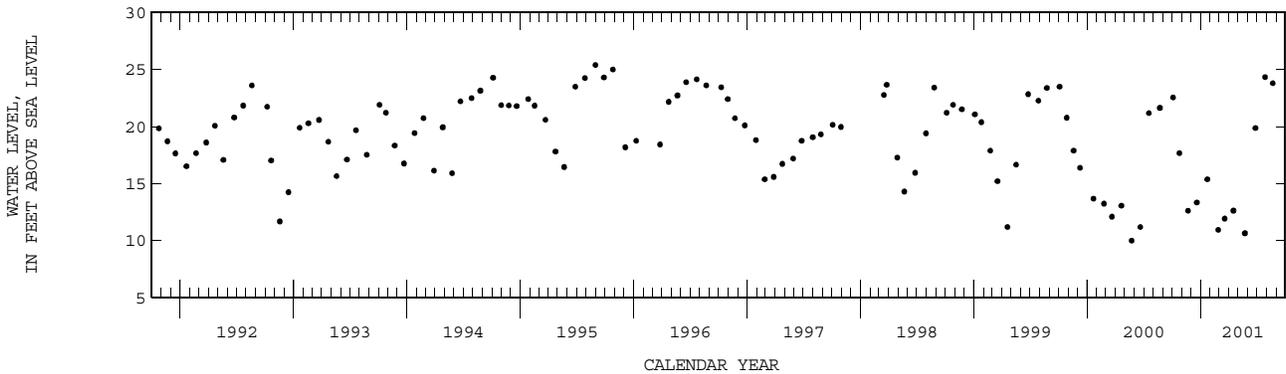
REMARKS.--Records of water levels prior to October 1983 are available in files of the Geological Survey. The records of water levels as elevation, in feet NGVD, prior to October 1985 are in error. Corrected records are in the files of the U.S. Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from proceeding years are unaffected. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.38 ft NGVD, Aug. 31, 1995; lowest, 4.03 ft NGVD, Apr. 24, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0956	22.54	16...	0841	12.61
24...	1039	17.65	MAY		
NOV			23...	1026	10.63
21...	0914	12.60	JUN		
DEC			26...	1002	19.84
19...	0918	13.31	JUL		
JAN			27...	1349	24.32
22...	0941	15.35	AUG		
FEB			21...	0821	23.78
26...	1133	10.91			
MAR					
19...	0842	11.91			



COLLIER COUNTY--Continued

WELL NUMBER.--262555081242501. Local Number C 363.

LOCATION.--Lat 26°25'55", long 81°24'25", in NW ¼ SE ¼ sec.34, T.46 S., R.29 E., Hydrologic Unit 03090204, 54 ft south of west access road to Immokalee Airport near beacon tower, 1 mi north of SR-29 and 1.2 mi east of the Immokalee Post Office.

AQUIFER.--Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIMR.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 119 ft, cased to 84 ft, open hole 84 to 119 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 34.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.24 ft below land-surface datum.

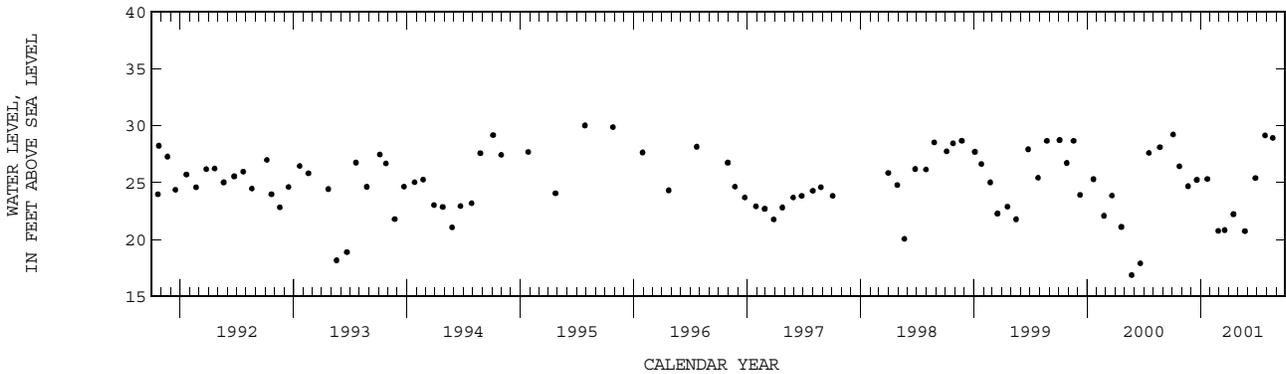
REMARKS.--Records of water levels prior to October 1983 are available in files of the Geological Survey.

PERIOD OF RECORD.--June 1961 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.19 ft NGVD, June 24, 1982; lowest, 16.89 ft NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1119	29.21	16...	0940	22.23
24...	1102	26.42	MAY		
NOV			23...	1108	20.74
21...	0956	24.68	JUN		
DEC			26...	1112	25.39
19...	0957	25.24	JUL		
JAN			27...	1154	29.13
22...	1028	25.31	AUG		
FEB			21...	0852	28.92
26...	1213	20.76			
MAR					
19...	0936	20.83			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--262558081270501. Local Number C 1078.

LOCATION.--Lat 26°25'59", long 81°27'07", in SE ¼ NE ¼ sec.31, T.46 S., R.29 E., Hydrologic Unit 03090204, 25 ft north of CR-890, 1.1 mi west of SR-29 on CR-890, 2.0 mi west of Immokalee Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 38 ft, cased to 13 ft, 25 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 31.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. casing, 3.60 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 31.91 ft above National Geodetic Vertical datum of 1929 and measuring point was considered to be 3.08 ft above land-surface datum. See REMARKS.

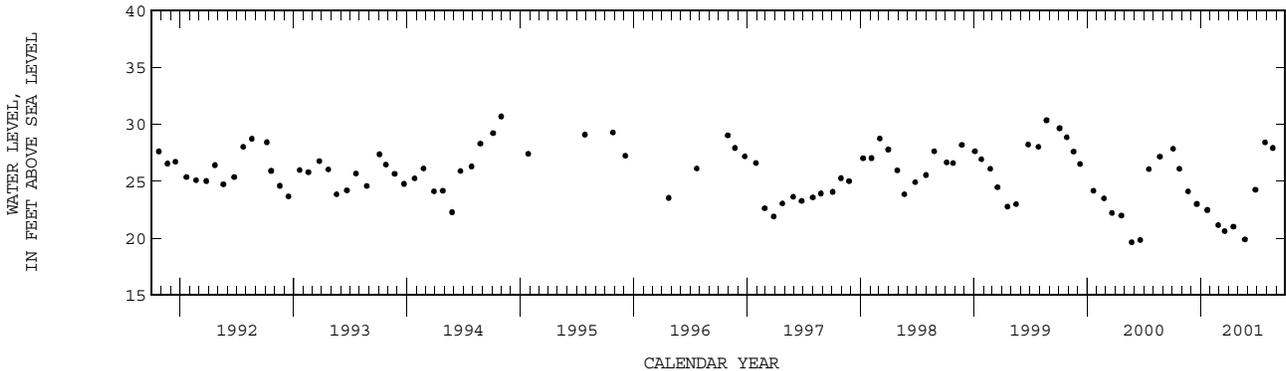
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based of field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.17 ft NGVD, Sept. 1, 1988; lowest, 19.65 ft NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0951	27.84	16...	0835	21.02
24...	1009	26.09	MAY		
NOV			23...	1022	19.89
21...	0908	24.11	JUN		
DEC			26...	0957	24.26
19...	0912	23.01	JUL		
JAN			27...	1345	28.40
22...	0935	22.48	AUG		
FEB			21...	0815	27.92
26...	1035	21.15			
MAR					
19...	0838	20.63			



COLLIER COUNTY--Continued

WELL NUMBER.--262724081260701. Local Number C 462.

LOCATION.--Lat 26°27'26", long 81°26'12", in SE ¼ NW ¼ sec.20, T.46 S., R.29 E., Hydrologic Unit 03090204, in pasture 0.1 mi west of SR-29, 1.7 mi north of SR-850 and 2.5 mi northwest of Immokalee.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 110 ft, cased to 50 ft, slotted casing 50 to 110 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 34.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder base, 3.00 ft above land-surface datum.

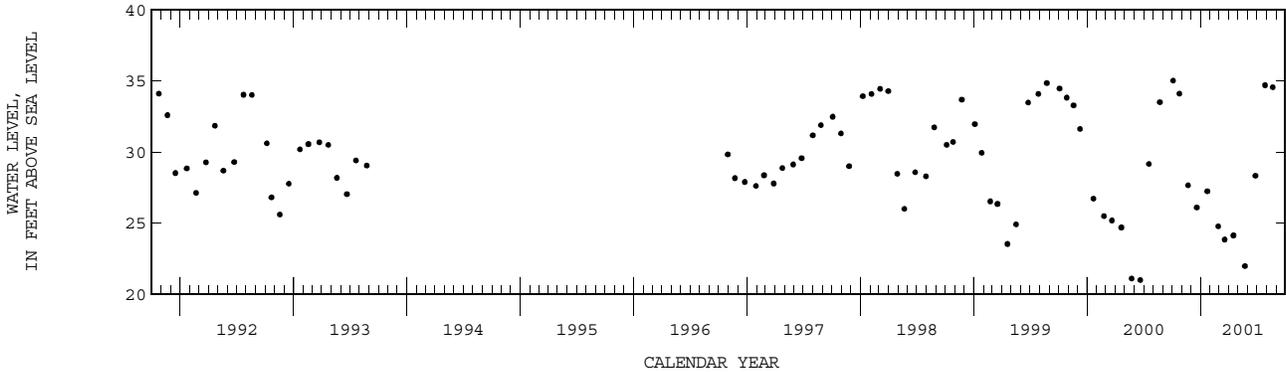
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--November 1968 to September 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.13 ft NGVD, Sept. 2, 1983; lowest water level measured, 21.02 ft NGVD, June 20, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0939	35.01	16...	0826	24.15
24...	0955	34.09	MAY		
NOV			23...	1011	21.99
21...	0858	27.67	JUN		
DEC			26...	0947	28.33
19...	0901	26.11	JUL		
JAN			27...	1420	34.69
22...	0924	27.25	AUG		
FEB			21...	0806	34.55
26...	1026	24.79			
MAR					
19...	0824	23.86			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--262822081213201. Local Number C 1075.

LOCATION.--Lat 26°28'31", long 81°21'57", in NE ¼ SW ¼ NE ¼ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090204, 3.8 mi north of SR-846 and 4.5 mi east of SR-29, 5.0 mi northeast of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 8 ft, 12 ft of 0.02 screen.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

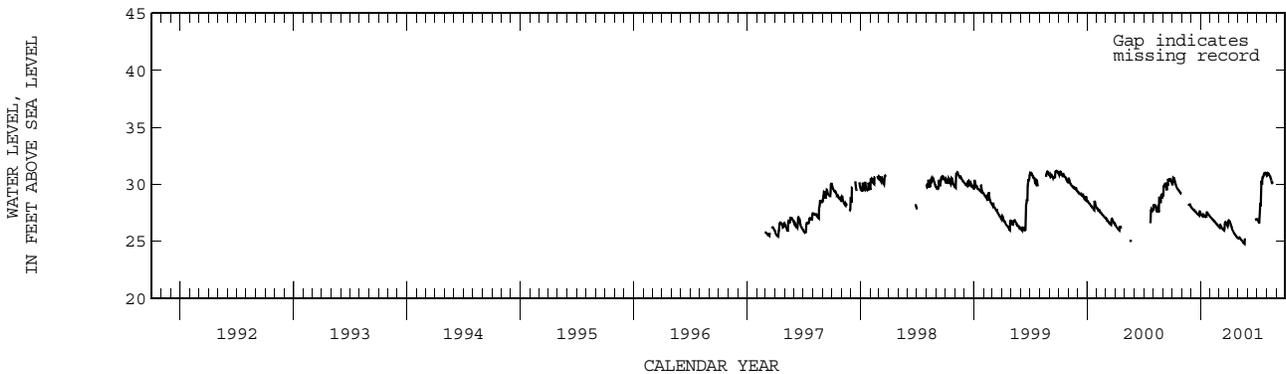
DATUM.--Land-surface datum is 30.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.72 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to October 1996 (monthly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 31.17 ft NGVD, Sept. 24, 1999; lowest, 24.79 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.58	---	27.87	27.25	27.03	26.47	26.62	25.35	---	26.84	30.99	---
10	30.17	---	27.75	27.33	26.87	26.22	26.27	25.18	---	27.51	30.86	---
15	29.78	---	27.62	27.17	26.73	26.05	25.93	25.00	---	30.32	30.45	---
20	29.53	---	27.46	27.53	26.56	26.68	25.67	24.85	---	30.64	30.27	---
25	29.37	28.21	27.33	27.42	26.40	26.55	25.47	---	---	31.01	---	---
EOM	---	28.06	27.51	27.19	26.31	26.83	25.33	---	26.91	30.84	---	---
MAX	30.60	28.29	28.01	27.55	27.15	26.83	26.85	25.35	26.94	31.02	30.99	---



COLLIER COUNTY--Continued

WELL NUMBER.--262822081213202. Local Number C 1076.

LOCATION.--Lat 26°28'31", long 81°21'58", in SW ¼ SE ¼ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090204, 3.8 mi north of CR-846 and 4.5 mi east of SR-29, 5 mi northeast of Immokalee.

AQUIFER.--Tamiami aquifer of the Pliocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 85 ft, cased to 65 ft, 20 ft of open hole. INSTRUMENTATION.--Monthly measurement with chalked tape.

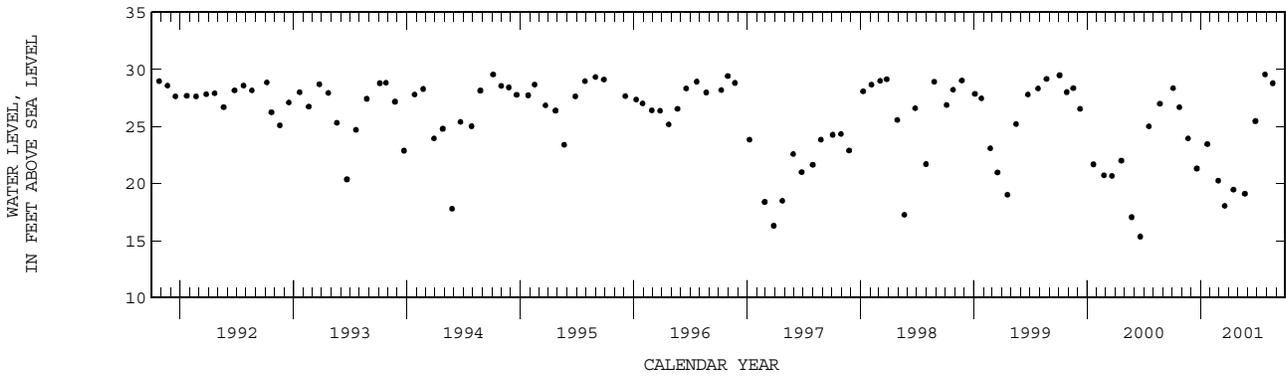
DATUM.--Land-surface datum is 30.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.41 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.90 ft NGVD, Mar. 31, 1987; lowest, 15.34 ft NGVD, June 20, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1205	28.35	16...	1035	19.45
24...	1153	26.68	MAY		
NOV			23...	1150	19.10
21...	1124	23.95	JUN		
DEC			26...	1156	25.47
19...	1034	21.31	JUL		
JAN			27...	1247	29.56
22...	1058	23.45	AUG		
FEB			21...	0924	28.79
26...	1259	20.24			
MAR					
19...	1010	18.03			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY--Continued

WELL NUMBER.--262822081213203. Local Number C 1077.

LOCATION.--Lat 26°28'31", long 81°21'58", in SW ¼ SE ¼ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090204, 3.8 mi north of CR-846, and 4.5 mi east of SR-29, 5 mi northeast of Immokalee.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 210 ft, cased to 170 ft, 40 ft of 0.02 screen. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 31.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.00 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 30.64 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 4.50 ft above land-surface datum. See REMARKS.

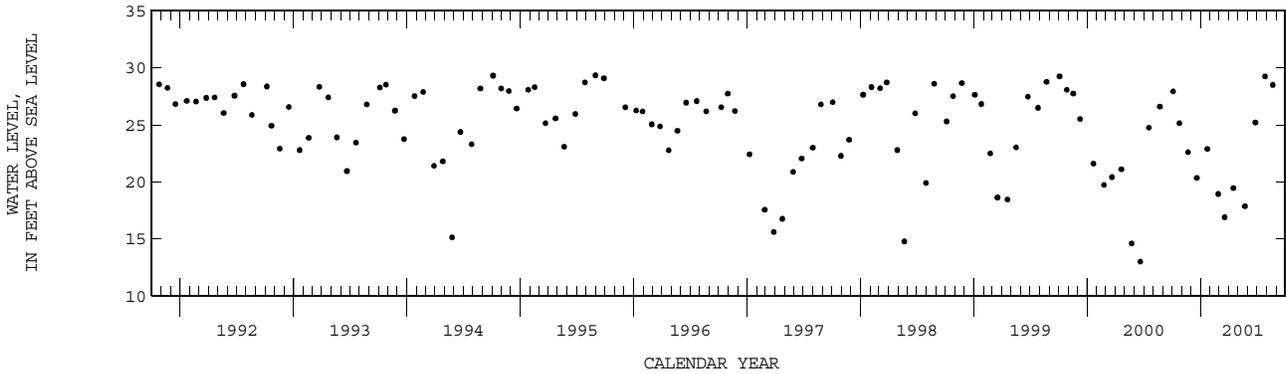
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See. DATUM.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.67 ft NGVD, Mar. 31, 1987; lowest, 12.98 ft NGVD, June 20, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1203	27.91	16...	1036	19.44
24...	1136	25.12	MAY		
NOV			23...	1157	17.84
21...	1127	22.59	JUN		
DEC			26...	1158	25.19
19...	1038	20.32	JUL		
JAN			27...	1249	29.24
22...	1104	22.87	AUG		
FEB			21...	0926	28.49
26...	1304	18.92			
MAR					
19...	1006	16.88			



COLLIER COUNTY--Continued

WELL NUMBER.--262859081273002. Local Number C 532.

LOCATION.--Lat 26°29'33", long 81°27'35", in NW ¼ SE ¼ sec.7, T.46 S., R.29 E., Hydrologic Unit 03090205, 24 ft north of SR-82, 1.5 mi west of SR-29 and 5.5 mi northwest of Immokalee.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 13 ft, cased to 3 ft, screened 3 to 13 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 41.93 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

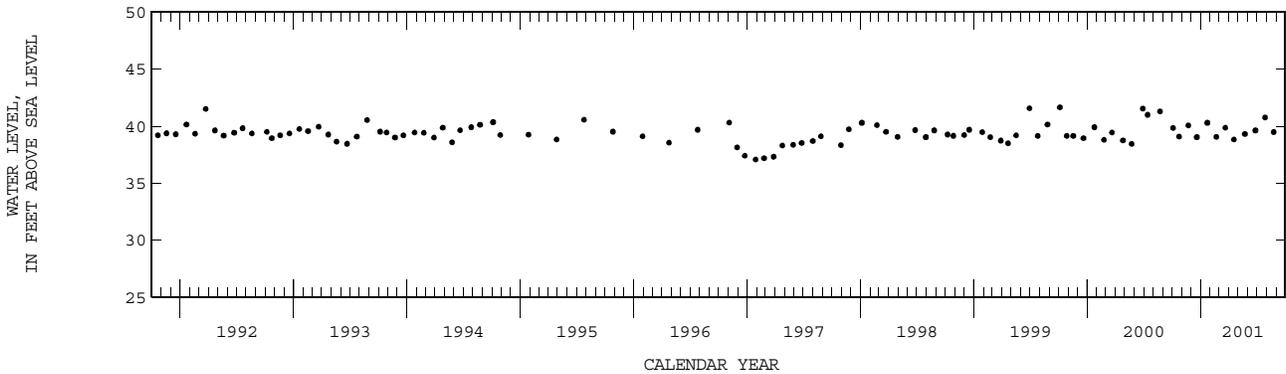
REMARKS.--Records of water levels prior to October 1978 are available in files of the Geological Survey.

PERIOD OF RECORD.--October 1975 to September 1994 (monthly), October 1994 to July 1996 (quarterly), November 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.63 ft NGVD, Oct. 5, 1999; lowest, 37.05 ft NGVD, Jan. 28, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1000	39.83	18...	1300	38.82
23...	0815	39.06	MAY		
NOV			23...	1517	39.30
22...	1005	40.05	JUN		
DEC			26...	0805	39.61
19...	1100	39.03	JUL		
JAN			27...	1425	40.75
22...	1400	40.28	AUG		
FEB			24...	1353	39.47
20...	1400	39.05			
MAR					
21...	1235	39.85			



## MISCELLANEOUS WATER LEVEL MEASUREMENTS

## COLLIER COUNTY

## MULTIPLE STATION ANALYSES

STATION	NUMBER	LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
261002081483701		C - 525	26 09 58 N 26 09 58 N	081 48 35 W 081 48 35 W	10-24-00 04-17-01	1015 1030	3210 3180	780 800

# Glades County

## WATER RESOURCES DATA FOR FLORIDA, 2001

## VOLUME 2B: SOUTH FLORIDA

Key to site locations on figure # 16

## Glades County

Index Number	Site Number	Well Name	Page Number
1	264941081321301	GL 328	251
2	264623081213601	HE 517	250

VOLUME 2B: SOUTH FLORIDA

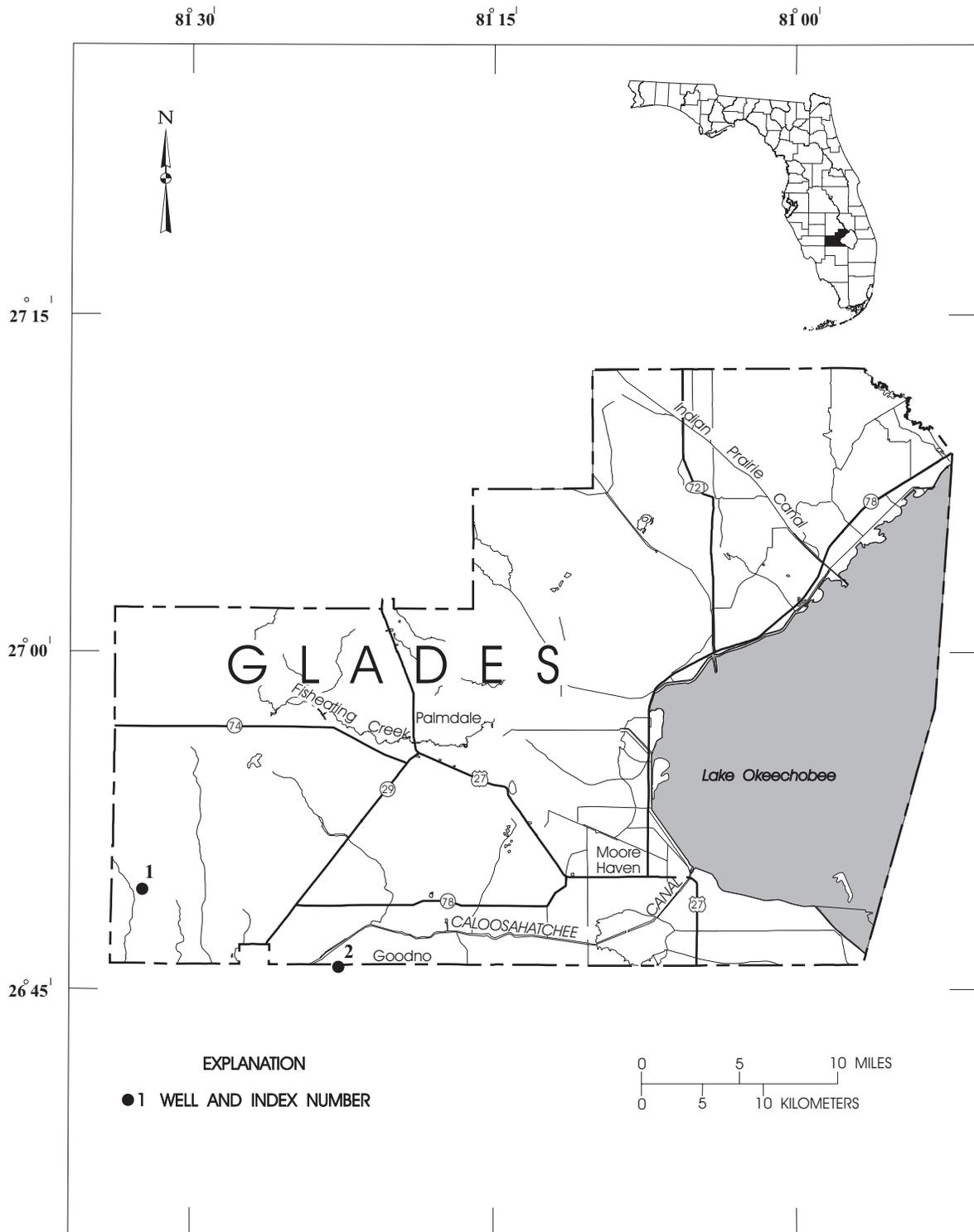


Figure 16: Location of wells in Glades County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

GLADES COUNTY

WELL NUMBER.--264623081213601. Local Number HE 517.

LOCATION.--Lat 26°46'14", long 81°22'28", in SE ¼ NW ¼ sec.36, T.42 S., R.29 E., Hydrologic Unit 03090205, at Port Labelle Golf Course maintenance shop, 4.8 mi east of Birthwood Parkway, 0.7 mi off SR-80.

AQUIFER.--Tamiami aquifer of the Pliocene Age, Geologic Unit 122 TMIMR.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 138 ft, cased to 128 ft, screened 128 to 138 ft.

REVISED RECORDS.--WDR FL-79-2B:1977-78.

INSTRUMENTATION.--Electronic data logger.

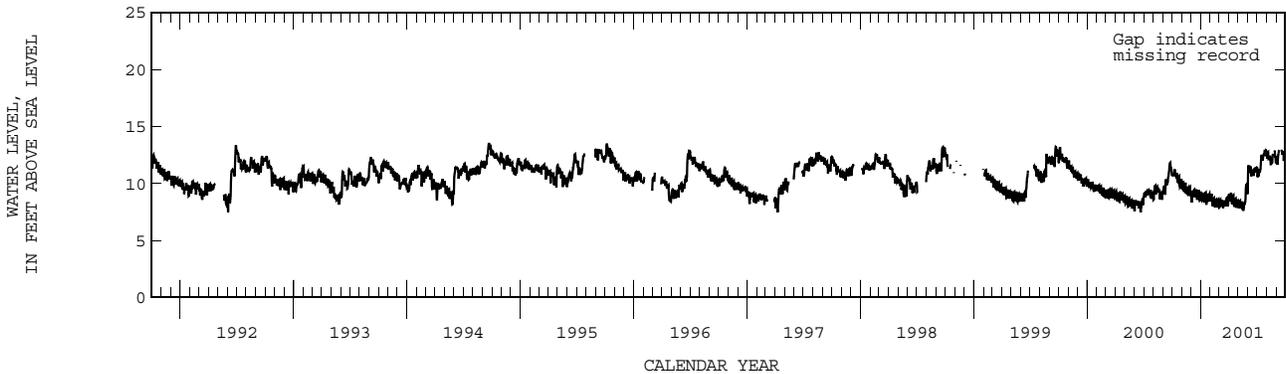
DATUM.--Land-surface datum is 16.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.29 ft NGVD; June 25, 1982; lowest, 7.49 ft NGVD, June 3, 1992, Apr. 9, 1997.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.88	10.13	8.86	8.67	9.03	8.61	9.01	8.32	10.93	10.99	12.73	11.66
10	10.79	9.77	9.44	8.47	8.55	8.35	8.48	8.17	11.45	10.97	12.07	12.93
15	10.87	9.19	9.13	9.20	7.96	8.30	8.97	7.69	11.01	12.41	11.70	---
20	10.15	9.07	8.58	8.72	8.10	8.48	8.28	8.23	10.90	12.24	12.31	12.53
25	9.68	9.53	9.36	8.66	8.61	8.74	7.88	8.62	11.33	12.96	12.78	11.97
EOM	10.39	8.88	9.15	8.85	8.00	8.84	8.53	9.16	11.34	12.38	11.83	---
MAX	11.25	10.14	9.48	9.23	9.03	8.84	9.18	9.93	11.60	12.96	12.83	12.97



GLADES COUNTY--Continued

Well Number.--264941081321301. Local Number GL 328. USGS Observation Well near La Belle, FL.

LOCATION.-- Lat26°49'40", long 81°32'10", in NE ¼ NE ¼ sec.17, T.42 S., R.28 E., Hydrologic Unit 03090205, 30 ft south of SR-720, 2 mi east of intersection Muse Road and SR-720.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 125 ft.

INSTRUMENTATION.--Satellite data collection platform.

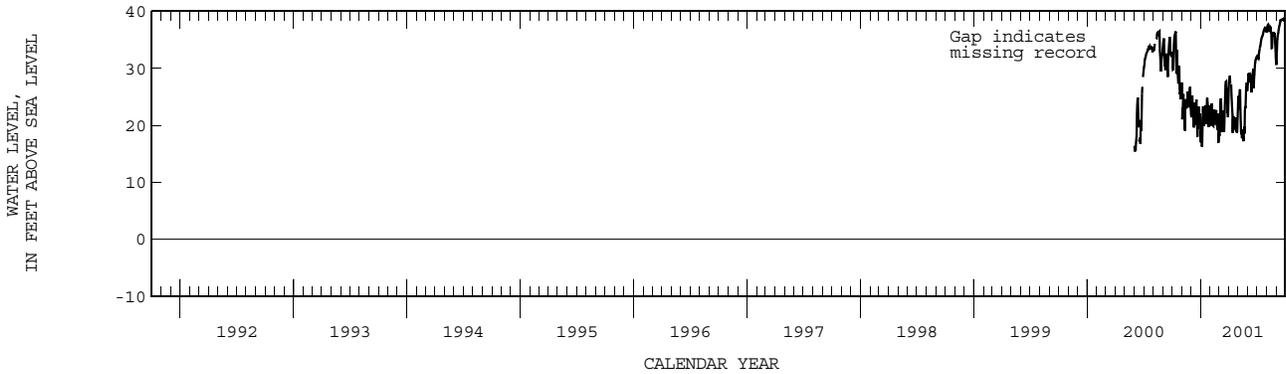
DATUM.--Land-surface datum is 38.13 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. iron pipe, 3.50 ft, above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 38.72 ft NGVD, Sept. 24, 2001; lowest, 15.43 ft NGVD, June 3, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.16	24.62	22.65	16.60	23.85	23.45	27.28	25.25	28.65	31.71	37.63	35.64
10	36.07	21.14	23.15	19.87	19.89	18.81	25.28	18.83	28.60	33.59	36.43	37.41
15	32.69	22.95	20.05	23.53	20.70	19.58	21.08	18.71	27.48	35.24	36.13	38.47
20	27.32	25.94	20.50	21.44	20.75	25.70	19.59	18.78	26.50	36.03	35.56	38.62
25	25.44	23.64	23.28	21.55	21.43	26.13	19.03	23.03	31.12	36.59	36.12	38.63
EOM	25.44	21.95	18.05	21.03	18.79	26.05	22.87	26.27	31.77	36.67	31.01	38.65
MAX	36.48	26.77	25.23	24.83	23.85	27.71	28.73	27.47	31.94	37.09	37.72	38.72



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# Hendry County

## VOLUME 2B: SOUTH FLORIDA

Key to site locations on figure # 17

## Hendry County

Index Number	Site Number	Well Name	Page Number
1	263845081260702	HE 556	258
2	263930081301501	HE 559	260
3	263845081260703	HE 851	259
4	261735080534001	HE 861	256
5	261735080534002	HE 862	257

VOLUME 2B: SOUTH FLORIDA

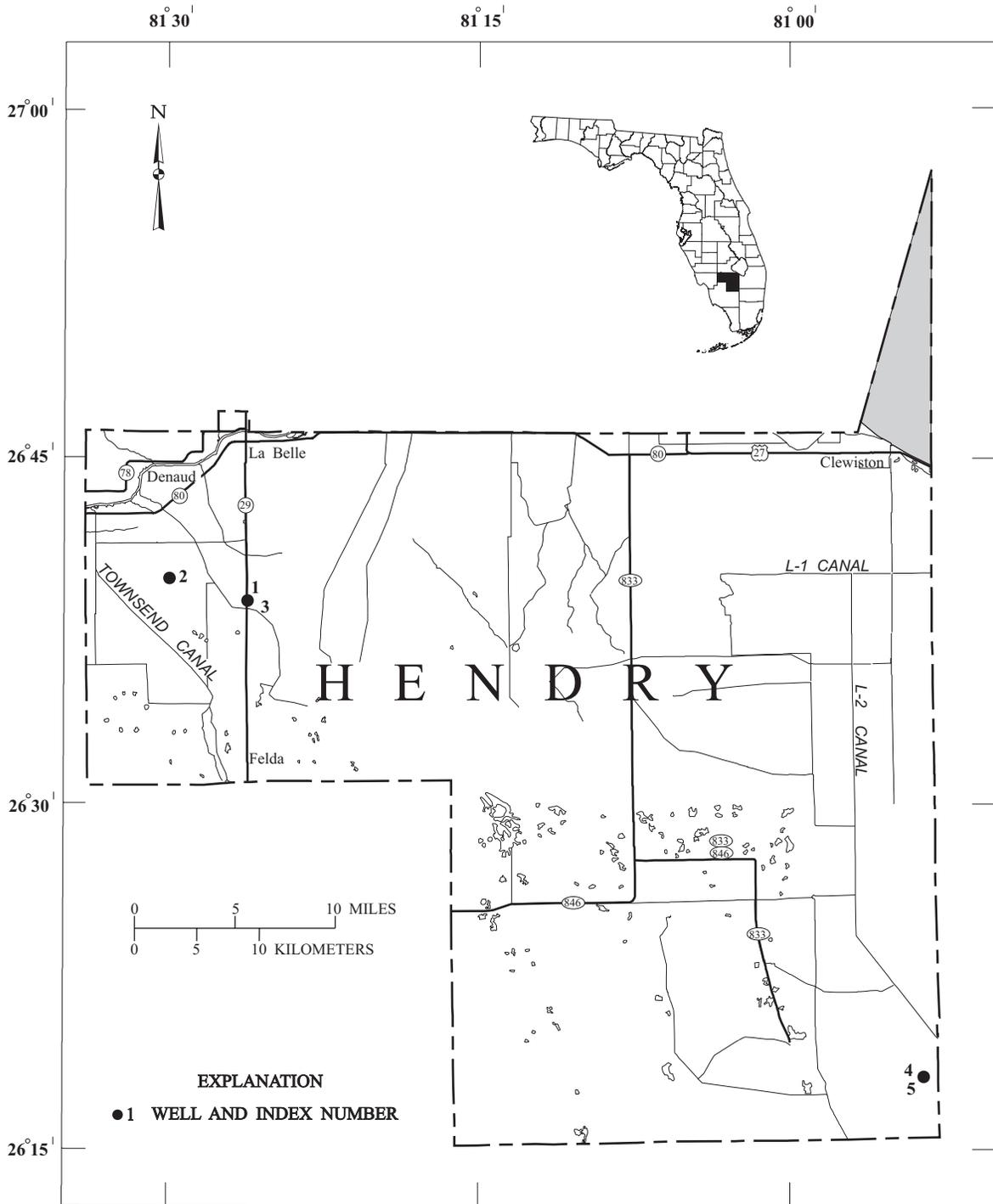


Figure 17: Location of wells in Hendry County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY

WELL NUMBER.--261735080534001. Local Number HE 861. USGS Observation Well near Immokalee, FL.

LOCATION.--Lat 26°18'09", long 80°53'35", in NE ¼ NW ¼ sec.24, T.48 S., R.34 E., Hydrologic Unit 03090202, 35 ft south of CR-833, .75 mi west of the Broward County line and 5.2 mi east of the Big Cypress Forest Office.

AQUIFER.--Tamiami formation, limestone aquifer of the Miocene Age, Geologic Unit 112 TMIMN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 70 ft, cased to 37 ft, open hole 37-70 ft.

INSTRUMENTATION.--Data collection platform with pressure transducer.

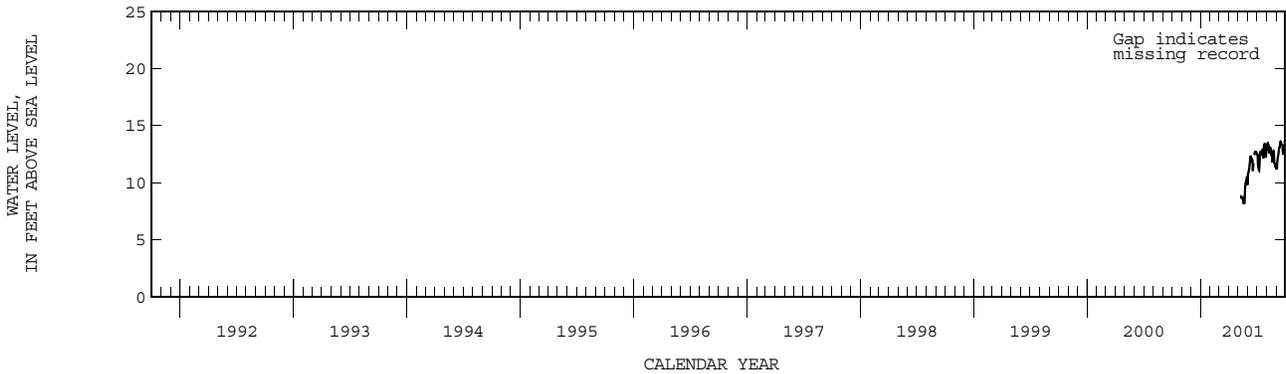
DATUM.--Land-surface datum is 14.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.54 ft above land-surface datum. Prior to October 1988 land-surface datum was considered to be 15.00 ft above NGVD. See PERIOD OF RECORD.

PERIOD OF RECORD.--September 1977 to November 1977 (monthly). December 1977 to September 1983 (daily), November 1985 to September 1994 (monthly), October 1994 to July 1995 (quarterly), May 2001 to current year. The figures of water levels as elevation, in feet NGVD, prior to October 1988 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.89 ft NGVD, Aug. 23, 1994; lowest daily maximum, 6.94 ft NGVD, May 31, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	11.11	11.40	13.42	12.15
10	---	---	---	---	---	---	---	8.66	12.30	12.39	12.95	13.10
15	---	---	---	---	---	---	---	8.64	12.06	12.62	12.50	13.58
20	---	---	---	---	---	---	---	8.11	---	12.92	12.41	13.32
25	---	---	---	---	---	---	---	9.90	12.65	13.39	11.87	12.97
EOM	---	---	---	---	---	---	---	9.79	12.65	12.88	11.24	13.86
MAX	---	---	---	---	---	---	---	10.53	12.71	13.39	13.46	13.86



HENDRY COUNTY--Continued

WELL NUMBER.--261735080534002. Local Number HE 862.

LOCATION.--Lat 26°18'09", long 80°53'35", in NE ¼ NW ¼ sec.24, T.48 S., R.34 E., Hydrologic Unit 03090202, 35 ft. south of CR-833, 0.75 mi west of the Broward County line and 5.2 mi east of the Big Cypress Forest Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 10.0 ft, cased to 7 ft, 3 ft of screen.

INSTRUMENTATION.--Data collection platform with pressure transducer. Electronic data logger prior to May 2001.

DATUM.--Land-surface datum is 14.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.71 ft above land-surface datum. Prior to October 1990, land-surface datum was considered to be 15.00 ft above NGVD. Prior to October 1984 land-surface datum was considered to be 14.98 ft above NGVD. See REMARKS.

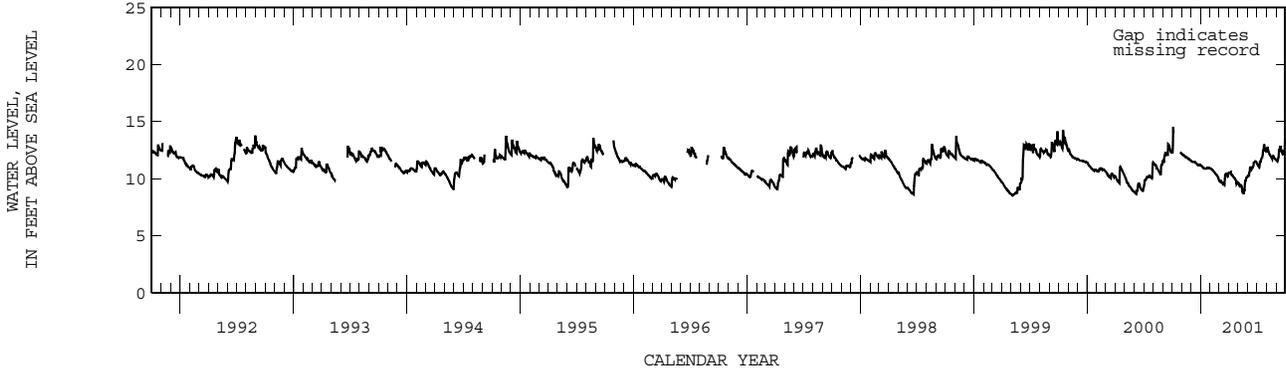
REMARKS.--The figures of water levels as elevation, in feet NGVD, published prior to September 1990 are in error. See DATUM. Corrected records are in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1977 to November 1977 (monthly), December 1977 to September 1983 (daily), October 1983 to September 1988 (monthly), October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.62 ft NGVD, Aug. 23, 1978; lowest, 8.55 ft NGVD, May 6, 1999.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.97	12.09	11.48	11.08	10.84	9.82	10.51	9.41	10.27	11.17	12.60	11.59
10	---	11.99	11.46	10.92	10.70	9.66	10.33	9.43	11.00	11.44	12.15	12.42
15	---	11.89	11.43	10.89	10.52	9.49	10.25	8.77	11.00	11.75	11.95	12.77
20	---	11.80	11.27	10.92	10.34	10.29	10.03	9.03	11.48	12.47	11.94	12.32
25	---	11.70	11.17	10.98	10.15	10.42	9.72	9.84	11.47	12.71	11.88	12.34
EOM	12.19	11.57	11.20	10.90	9.96	10.52	9.64	10.16	11.44	12.32	11.66	13.07
MAX	14.52	12.18	11.54	11.17	10.89	10.52	10.54	10.16	11.52	13.00	12.79	13.55



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY--Continued

WELL NUMBER.--263845081260702. Local Number HE 556.

LOCATION.--Lat 26°38'47", long 81°26'09", in NW ¼ NW ¼ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, at southeast corner of intersection of SR-29 and Sears Road, and 3.6 mi west of Sears.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 175 ft, cased to 135 ft, screened 135 to 155 ft. (Corrected).

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 30.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.44 ft above land-surface datum. Prior to October 1, 1979, land-surface datum was considered to be 33.09 ft above NGVD. From October 1, 1979 to September 30, 1984, land-surface datum was considered to be 28.44 ft above NGVD. From October 1, 1984 to September 30, 1986, land-surface datum was considered to be 28.32 ft above NGVD. See PERIOD OF RECORD.

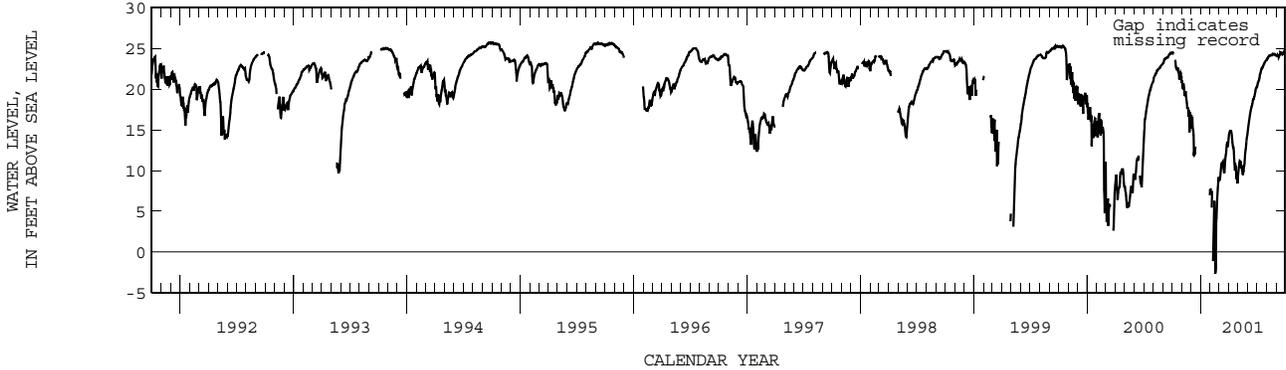
REMARKS.--The figures of water levels as elevation, in ft NGVD, prior to October 1, 1987 are in error. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.99 ft NGVD, Sept. 25, 1995; lowest 2.67 ft below NGVD, Feb. 16, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.53	20.53	15.40	---	5.45	9.36	14.84	11.00	16.00	20.87	23.89	24.08
10	23.60	19.32	11.81	---	1.75	11.01	14.61	10.52	17.30	21.73	24.14	24.06
15	22.52	18.93	12.95	---	3.66	10.21	12.87	9.60	18.09	22.53	24.18	24.45
20	22.09	17.70	---	---	4.18	11.16	10.50	10.43	18.81	22.79	24.31	24.38
25	21.70	14.69	---	---	8.36	13.12	9.24	12.49	19.68	23.26	24.27	24.42
EOM	20.78	16.59	---	7.65	8.97	13.99	9.04	14.47	20.21	23.59	24.11	24.64
MAX	24.53	21.04	16.84	7.65	9.17	13.99	14.96	14.47	20.21	23.59	24.33	24.68



HENDRY COUNTY--Continued

WELL NUMBER.--263845081260703. Local Number HE 851. USGS Observation Well near Sears, FL.

LOCATION.--Lat 26°38'45", long 81°26'07", in NW ¼ NW ¼ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, southeast corner of intersection of SR-29 and Sears Road, and 3.6 mi west of Sears.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 8 ft.

INSTRUMENTATION.--Data collection platform with pressure transducer.

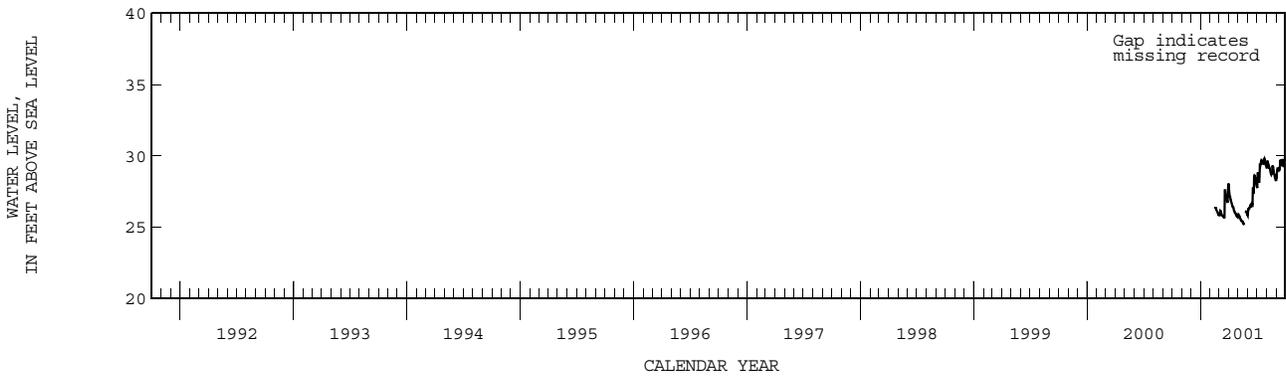
DATUM.--Land-surface datum is 30.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.93 ft above land-surface datum.

PERIOD OF RECORD.--October 1977 to September 1995 (monthly), February 2001 to current year. Records of water levels prior to October 1979 are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.49 ft NGVD, Aug. 29, 1990; lowest, 22.59 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	26.15	27.07	25.80	26.22	28.75	29.58	29.03
10	---	---	---	---	---	25.88	26.71	25.49	26.60	29.30	29.18	29.11
15	---	---	---	---	---	25.75	26.42	25.35	26.60	29.71	28.75	29.57
20	---	---	---	---	26.22	27.58	26.05	25.23	27.35	29.55	29.32	29.70
25	---	---	---	---	25.95	26.92	25.82	26.12	28.23	29.76	28.75	29.21
EOM	---	---	---	---	25.90	28.00	25.85	25.86	27.88	29.20	28.24	29.66
MAX	---	---	---	---	26.39	28.00	27.72	26.13	28.63	29.76	29.66	29.88



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY--Continued

WELL NUMBER.--263930081301501. Local Number HE 559. USGS Observation Well near La Belle, FL.

LOCATION.--Lat 26°39'31", long 81°30'14", in SE ¼ SE ¼ sec. 10, T.44 S., R.28 E., Hydrologic Unit 03090205, 3.8 mi east of Lee/Hendry County line at Berry Groves, 3.6 mi South of SR-80, and 8.2 mi Southwest of La Belle

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation artesian well, diameter 4 in., depth 165 ft, cased to 155 ft, screened 155 to 165 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 27.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.90 ft above land-surface datum.

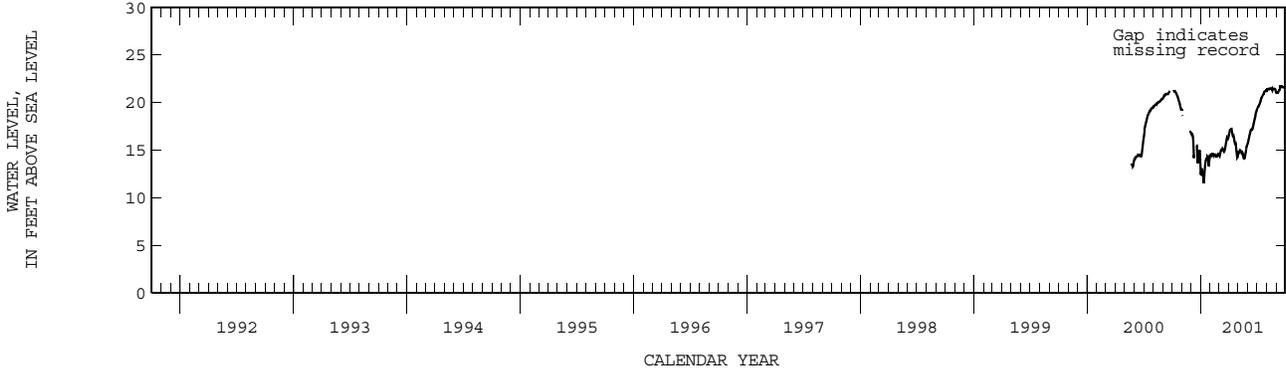
REMARKS.--Satellite data collection platform installed May 2000. Records of water levels prior to October 1976 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.-- October 1975 to November 1979 (quarterly), December 1980 to September 1994 (monthly), October 1994 to September 1995 (quarterly), May 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.54 ft NGVD, Nov. 28, 1979; lowest daily maximum water level, 11.51 ft NGVD, Jan. 10, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.19	---	16.54	12.30	14.59	14.71	17.22	14.79	16.26	19.58	21.42	21.07
10	21.22	---	14.32	11.51	14.45	15.02	17.22	14.85	17.07	19.95	21.42	21.33
15	20.87	---	---	13.67	14.50	15.00	16.51	14.72	17.15	20.52	21.49	21.72
20	20.39	---	15.01	13.94	14.39	15.22	15.86	14.17	17.82	20.80	21.49	21.71
25	19.78	---	14.52	14.12	14.55	16.18	15.08	14.63	18.57	21.17	21.46	21.60
EOM	19.15	16.80	12.90	14.36	14.60	16.48	14.47	15.62	19.17	21.26	21.11	21.69
MAX	21.22	18.69	16.71	14.36	14.70	16.48	17.34	15.62	19.17	21.29	21.51	21.75



# Lee County

## VOLUME 2B: SOUTH FLORIDA

## Key to site location on figure # 18

## Lee County

Index Number	Site Number	Well Name	Page Number	Index Number	Site Number	Well Name	Page Number
1	263532081592201	L 581	343	61	263242081572101	L 2244	321
2	262710082005301	L 585	300	62	263718081485003	L 2292	349
3	262538082045701	L 588	285	63	262552081485702	L 2295	287
4	264101081443001	L 652	364	64	262552081485703	L 2308	288
5	264153082022301	L 721	367	65	263344081361704	L 2311	338
6	263850081365401	L 727	355	66	262703081340203	L 2313	296
7	263712081461201	L 728	346	67	263004082111701	L 2315	309
8	263335081394301	L 729	334	68	264608081454103	L 2328	383
9	263138081545801	L 730	318	69	264517081513201	L 2341	377
10	262703081340201	L 731	294	70	263526082010201	L 2434	342
11	262839081503100	L 735	306	71	263307081555901	L 2435	329
12	262022081464201	L 738	270	72	262622082074401	L 2524	289
13	262657081443501	L 739	292	73	263117082051001	L 2525	315
14	263323081522401	L 742	330	74	264517082022102	L 2526	379
15	263834082005301	L 781	354	75	263955082083101	L 2527	359
16	264517082022101	L 1059	378	76	263907081592701	L 2528	356
17	264241081582401	L 1110	368	77	262944081560801	L 2529	308
18	264147081562701	L 1111	366	78	264308081405402	L 2530	369
19	264120082022101	L 1113	365	79	264427081362601	L 2531	375
20	263327081512001	L 1121	331	80	263955082083103	L 2549	361
21	263532081592202	L 1136	344	81	262711081413701	L 2550	301
22	263950081355402	L 1137	358	82	263813081552801	L 2640	352
23	262703081340202	L 1138	295	83	263257081585701	L 2642	328
24	262549082035301	L 1403	286	84	263253082014201	L 2643	327
25	263630081375301	L 1418	345	85	263440082022001	L 2644	340
26	263233081550301	L 1598	320	86	263743082041201	L 2645	350
27	263329081394302	L 1625	333	87	264537081552202	L 2646	380
28	262435081535101	L 1634	280	88	264002082012801	L 2700	362
29	262435081535001	L 1635	279	89	263819081585801	L 2701	353
30	262042081455001	L 1691	271	90	263955082083102	L 2820	360
31	262706081435401	L 1853	297	91	263117082051002	L 2821	316
32	263344081361701	L 1963	335	92	263440082022002	L 3207	341
33	263344081361702	L 1964	336	93	264053081572501	L 4820	363
34	263353081335801	L 1965	339	94	263115081483501	L 5641	313
35	263807081430301	L 1968	351	95	263249081474401	L 5648	322
36	263718081485001	L 1973	347	96	262934081495801	L 5649	307
37	263718081485002	L 1974	348	97	262514081393402	L 5664	284
38	264359081424701	L 1975	373	98	262513081432601	L 5667	282
39	264359081424702	L 1976	374	99	262511081471801	L 5669	281
40	264320081365701	L 1977	370	100	262513081472001	L 5669R	283
41	263041081433101	L 1983	310	101	262331082383201	L 5672	276
42	262713081414701	L 1985	303	102	262331082383202	L 5673	277
43	263251081452801	L 1993	324	103	264433081360601	L 5708	376
44	263251081452802	L 1994	325	104	263249081474402	L 5720	323
45	263251081452803	L 1995	326	105	262102081464401	L 5722	272
46	263041081433102	L 1998	311	106	262102081464402	L 5723	273
47	263041081433103	L 1999	312	107	261946081490302	L 5725	267
48	263344081361703	L 2186	337	108	261859081481901	L 5726	264
49	263950081355401	L 2187	357	109	262351081485401	L 5730	278
50	262659081382501	L 2192	293	110	262755082090902	L 5734	304
51	262713081414401	L 2193	302	111	262706082080201	L 5735	298
52	261957081432201	L 2194	268	112	262706082080202	L 5737	299
53	261957081432202	L 2195	269	113	261900081454601	L 5744	265
54	264329081340401	L 2200	371	114	261900081454602	L 5745	266
55	264329081340402	L 2202	372	115	262258081471801	L 5746	274
56	263329081394301	L 2204	332	116	262258081471802	L 5747	275
57	262831081575901	L 2212	305	117	263138082112801	L 5766	319
58	263127081351602	L 2215	317	118	263115081483502	L 5801	314
59	264608081454101	L 2216	381	119	262630081484802	L 5808	291
60	264608081454102	L 2217	382	120	262630081484801	L 5844	290

VOLUME 2B: SOUTH FLORIDA

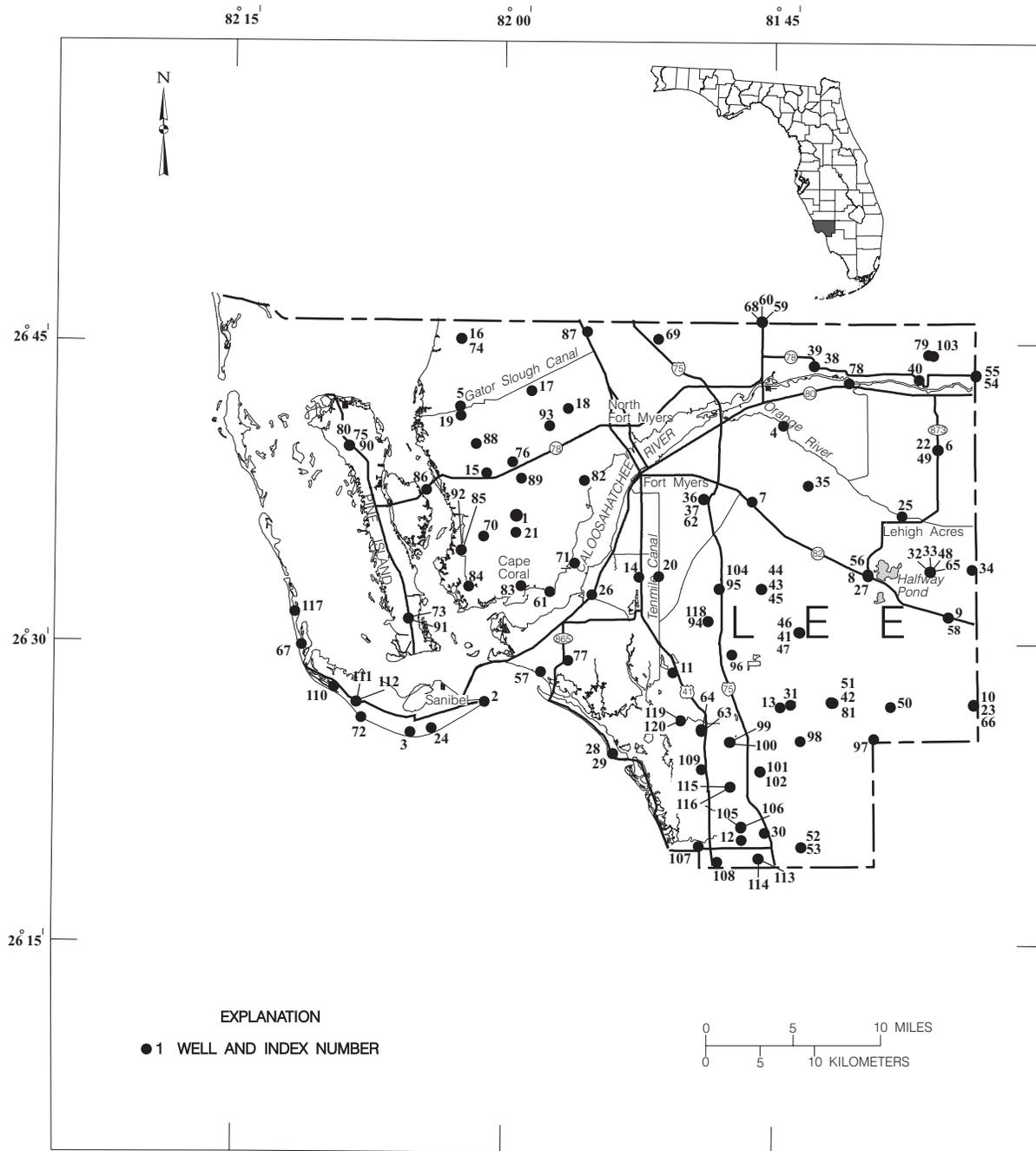


Figure 18: Location of wells in Lee County

LEE COUNTY

WELL NUMBER.--261859081481901. Local Number L 5726.

LOCATION.--Lat 26°18'59", long 81°47'29", in SE ¼ SE ¼ sec.4, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft north of Lee/Collier County Line on east side of US 41, 1.5 mi southwest of Bonita Springs Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 32 ft, cased to 22 ft, screened 22 to 32 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.20 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 11.00 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.90 ft above land-surface datum. See REMARKS.

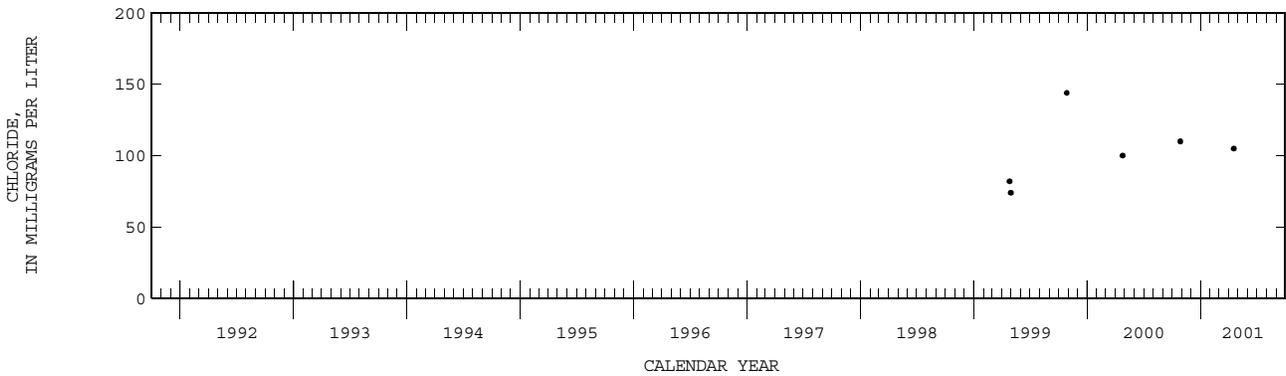
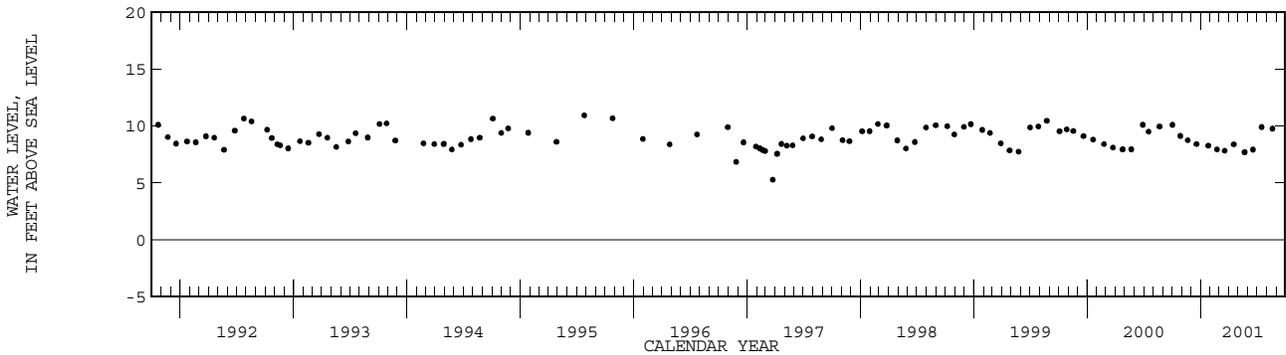
REMARKS.--Well is also used for salinity monitoring. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from proceeding years are unaffected. See DATUM.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year. Quality assurance protocols for conductivity and chloride samples collected at this station were reassessed in September, 1998. Chloride and conductivity data collected prior to this date are available in the files of the U.S. Geological Survey and should be used with caution.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.93 ft NGVD, July 26, 1995; lowest, 4.32 ft NGVD, June 12, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
02...	1530	--	--	10.10	17...	1400	825	105	8.38
27...	0830	581	110	9.12	MAY				
NOV					22...	1130	--	--	7.70
20...	1630	--	--	8.74	JUN				
DEC					18...	1605	--	--	7.92
18...	1500	--	--	8.40	JUL				
JAN					16...	1545	--	--	9.90
25...	1340	--	--	8.27	AUG				
FEB					20...	1530	--	--	9.76
22...	1300	--	--	7.94					
MAR									
19...	1445	--	--	7.82					



LEE COUNTY--Continued

WELL NUMBER.--261900081454601. Local Number L 5744.

LOCATION.--Lat 26°19'26", long 81°45'47", in SE ¼ SE ¼ NW ¼ sec.1, T.48 S., R.25 E., Hydrologic Unit 03090204, 25 ft west of Imperial Street, 0.5 mi north of Lee/Collier County Line, 0.47 mi south of Bonita Beach Road.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 10 ft, 5 ft of 0.02 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

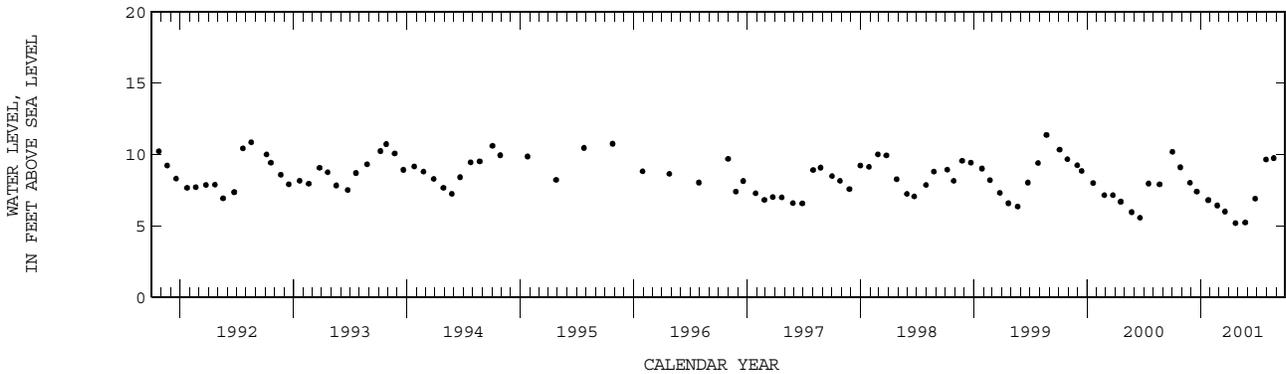
DATUM.--Land-surface datum is 11.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.36 ft above land-surface datum.

PERIOD OF RECORD.--June 1987 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.37 ft NGVD, Aug. 23, 1999; lowest, 5.19 ft NGVD, Apr. 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1400	10.19	23...	0933	5.19
27...	0930	9.10	MAY		
NOV			24...	1201	5.22
27...	1350	8.01	JUN		
DEC			25...	1258	6.90
19...	1420	7.40	JUL		
JAN			30...	1320	9.64
25...	1415	6.80	AUG		
FEB			24...	1150	9.75
23...	1130	6.42			
MAR					
20...	1520	6.00			



LEE COUNTY--Continued

WELL NUMBER.--261900081454602. Local Number L 5745.

LOCATION.--Lat 26°19'26", long 81°45'47", in SE ¼ SE ¼ NW ¼ sec.1, T.48 S., R.25 E., Hydrologic Unit 03090204, 25 ft west of Imperial Street, 0.5 mi north of Lee/Collier County Line, 0.47 mi south of Bonita Beach Road.

AQUIFER.--Lower Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 105 ft, cased to 57 ft, 48 ft of open hole.

INSTRUMENTATION.--Monthly measurements with chalked tape.

DATUM.--Land-surface datum is 11.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. PVC pipe, 5.16 ft above land-surface datum.

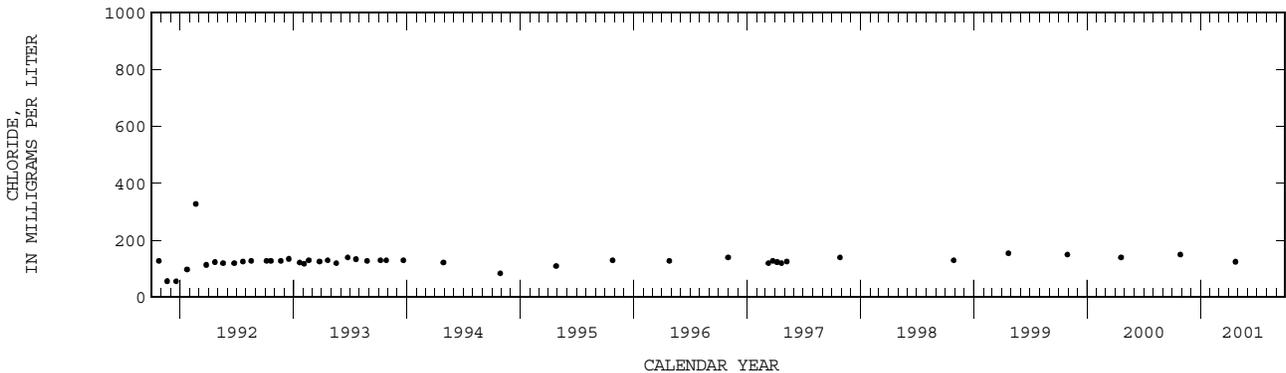
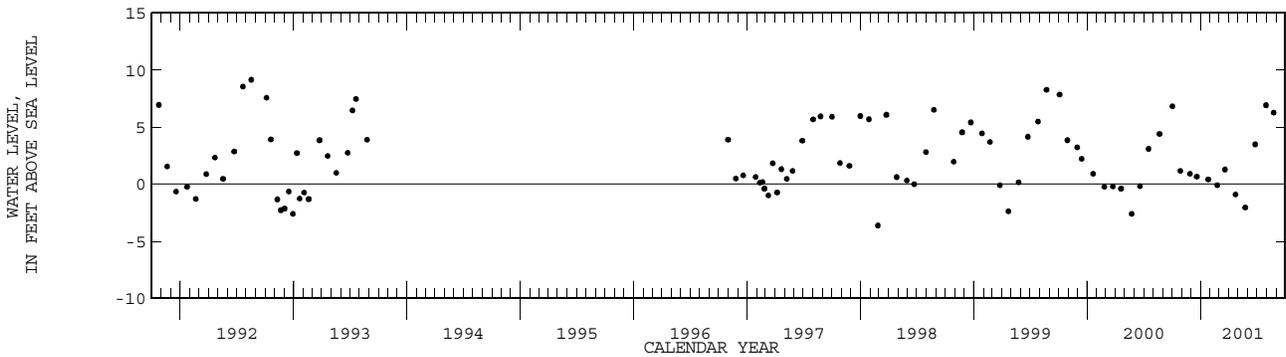
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--January 1987 to December 1990 (monthly), January 1991 to September 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.93 ft NGVD, Oct. 20, 1995; lowest water level measured, 5.31 ft below NGVD, Dec. 29, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1605	--	--	6.83	APR 23...	0935	1040	125	-0.91
27...	0935	1080	150	1.15	MAY 24...	1203	--	--	-2.05
NOV 27...	1355	--	--	.90	JUN 25...	1201	--	--	3.49
DEC 19...	1415	--	--	.65	JUL 30...	1323	--	--	6.92
JAN 25...	1420	--	--	.41	AUG 24...	1151	--	--	6.27
FEB 23...	1135	--	--	-0.10					
MAR 20...	1525	--	--	1.28					



LEE COUNTY--Continued

WELL NUMBER.--261946081490302. Local Number L 5725.

LOCATION.--Lat 26°19'48", long 81°49'06", in NW ¼ NW ¼ sec.4, T.48 S., R.25 E., Hydrologic Unit 03090204, east side of Sunset Drive and 150 ft south of Bonita Beach Road, 3 mi west of Bonita Springs Post Office.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 128 ft, cased to 65 ft, open hole 65 to 128 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

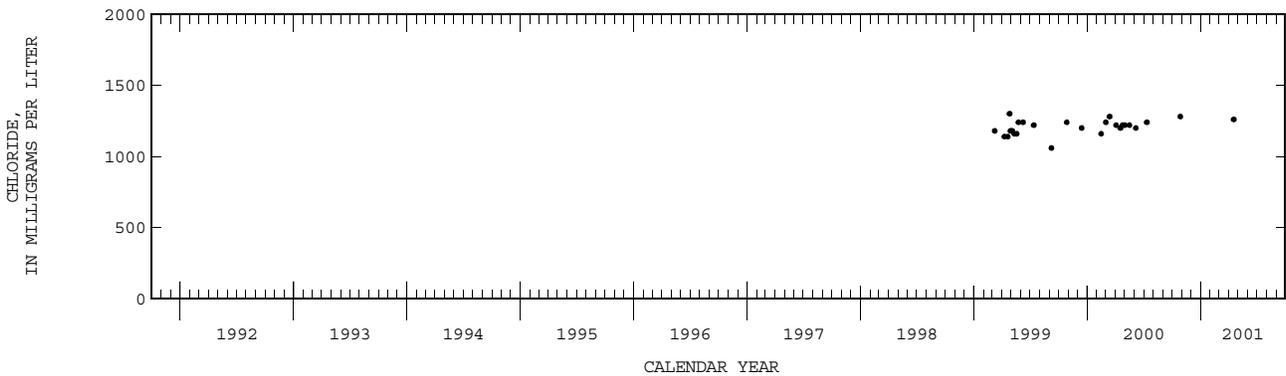
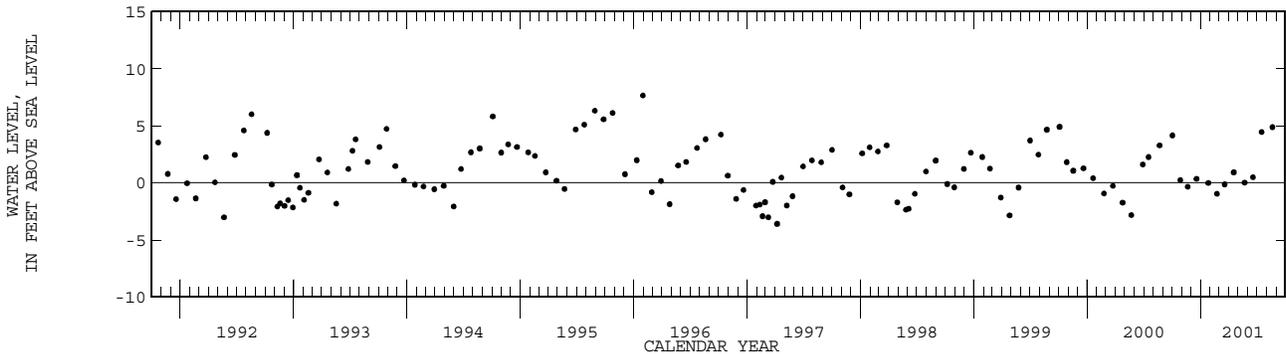
REMARKS.--Well is also used for salinity monitoring. Conductivity and chloride profiles for the previous water years are available in the files of the U.S. Geological Survey. Quality assurance protocols for conductivity and chloride samples collected at this station were reassessed in September, 1998. Chloride and conductivity data collected prior to this date are available in the files of the U.S. Geological Survey and should be used with caution.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.66 ft NGVD, Jan. 31, 1996; lowest, 3.60 ft below NGVD, Apr. 7, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1545	--	--	4.16	APR 17...	1420	4860	1260	.92
27...	0915	4890	1280	.23	MAY 22...	1205	--	--	.01
NOV 20...	1640	--	--	-0.34	JUN 18...	1630	--	--	.49
DEC 18...	1515	--	--	.34	JUL 16...	1550	--	--	4.46
JAN 25...	1350	--	--	-0.02	AUG 20...	1540	--	--	4.88
FEB 22...	1320	--	--	-0.96					
MAR 19...	1450	--	--	-0.14					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--261957081432201. Local Number L 2194.

LOCATION.--Lat 26°20'22", long 81°43'21", in SE ¼ SE ¼ SE ¼ sec.32, T.47 S., R.26 E., Hydrologic Unit 03090204, 7 ft east of Foygin Lane, 500 ft north of East Bonita Beach Road, 1.8 mi east of I-75 and 3.5 mi east of Bonita Springs Post Office.  
 AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 137 ft, cased to 81 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer. Prior to March 19, 2001, an electronic data logger was used.

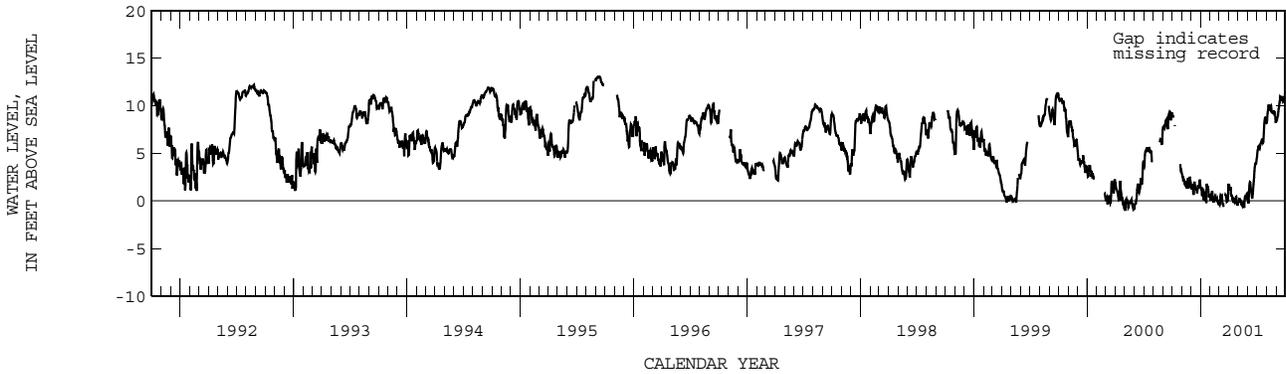
DATUM.--Land-surface datum is 14.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.69 ft above land-surface datum.

PERIOD OF RECORD.--August 1975 to September 1978 (monthly), October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.42 ft NGVD, Sept. 3, 1983; lowest 2.50 ft below NGVD, Jan. 5, 1991. (Corrected).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.01	2.27	1.76	.51	.82	.42	1.15	.32	.78	5.63	9.44	8.86
10	---	1.88	1.58	.09	.06	.55	.61	-.07	1.57	5.67	9.68	10.11
15	---	1.95	1.27	.65	.46	-.63	.09	-.30	.26	6.26	10.07	10.96
20	---	2.30	.83	1.64	.40	.57	.06	-.57	2.10	6.12	9.39	10.93
25	---	1.93	1.52	1.31	-.20	-.10	.45	.41	3.95	8.49	9.29	10.93
EOM	2.98	1.72	1.39	.41	-.09	1.82	-.22	.38	4.43	8.22	8.53	11.52
MAX	9.22	2.88	2.25	1.83	1.06	1.82	1.63	.82	4.43	8.80	10.07	11.52



LEE COUNTY--Continued

WELL NUMBER.--261957081432202. Local Number L 2195.

LOCATION.--Lat 26°20'00", long 81°43'21", in SE ¼ SE ¼ SE ¼ sec.32, T.47 S., R.26 E., Hydrologic Unit 03090204, 7 ft east of Faygin Lane, 500 ft north of East Bonita Beach Road, 1.8 mi west of of I-75 and 3.5 mi east of Bonita Springs Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.  
 WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 14 ft, open hole 14 to 15 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer. Prior to March 2001 an electronic data logger with a float and tape assembly.

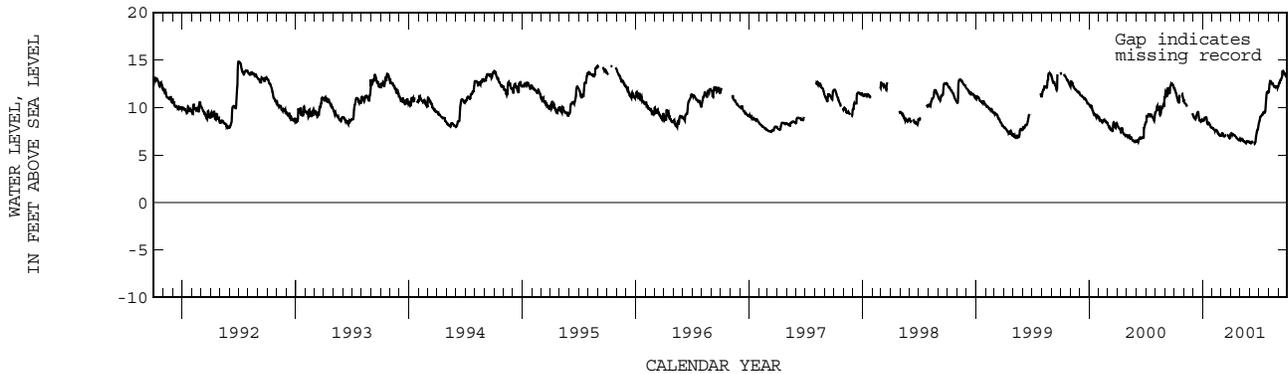
DATUM.--Land-surface datum is 14.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.57 ft above land-surface datum.

PERIOD OF RECORD.--August 1975 to February 1978 (monthly), March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.83 ft NGVD, July 1-3, 1992; lowest, 6.16 ft NGVD, June 16, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.70	10.45	8.91	8.71	7.73	7.30	7.13	6.69	6.36	9.02	12.63	12.62
10	11.05	10.21	9.03	8.93	7.63	7.03	7.14	6.48	6.36	9.20	12.63	13.03
15	10.55	---	9.48	8.29	7.59	6.94	7.05	6.42	6.19	9.51	12.51	13.83
20	---	---	8.85	8.39	7.22	7.11	6.79	6.26	6.71	9.49	12.21	13.60
25	11.53	---	8.54	8.10	7.08	6.93	6.62	6.46	7.57	11.43	12.24	13.37
EOM	10.72	9.22	8.63	7.86	7.10	7.21	6.70	6.31	8.23	11.57	12.21	13.89
MAX	12.06	10.72	9.52	8.98	7.87	7.30	7.28	6.74	8.23	11.67	12.89	13.89



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262022081464201. Local Number L 738.

LOCATION.--Lat 26°20'23", long 81°46'40", in SW ¼ NE ¼ sec.35, T.47 S., R.25 E., Hydrologic Unit 03090204, at northwest corner of Felts and Childers Streets in Bonita Springs.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 75 ft, cased to 61 ft, open hole 61 to 75 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 9.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.15 ft above land-surface datum.

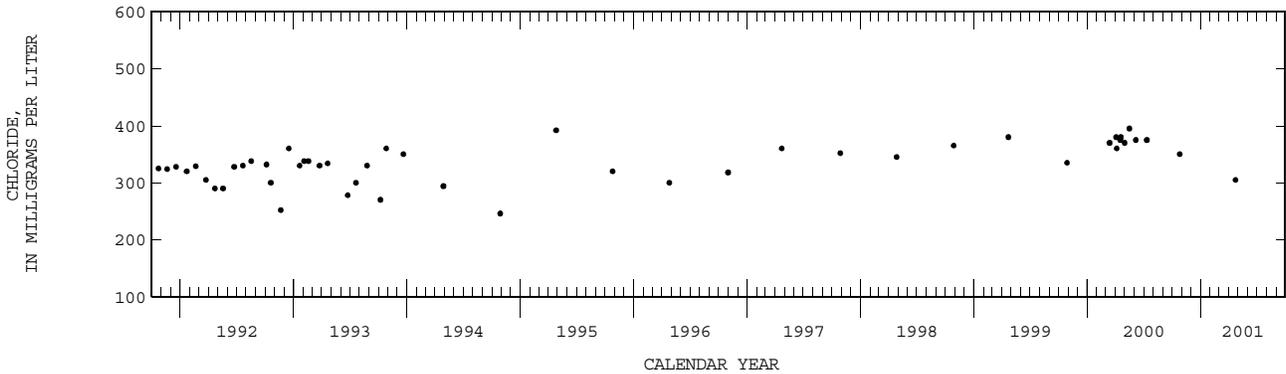
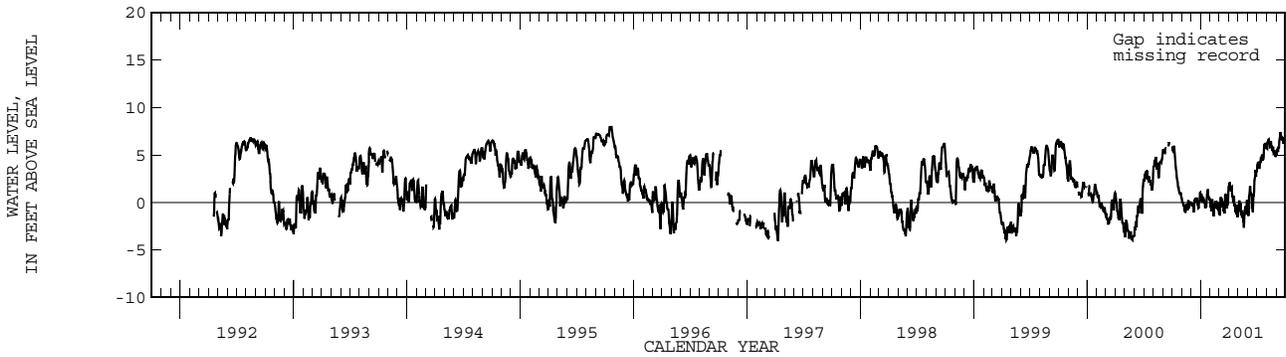
REMARKS.--Well is also used for salinity monitoring. Records of water levels, prior to October 1975 are in the files of the Geological Survey.

PERIOD OF RECORD.--November 1968 to June 1973 (daily), July 1974 to March 1992 (monthly), April 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.97 ft NGVD, Oct. 20, 1995; lowest water level measured, 5.51 ft below NGVD, Jan. 12, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.82	-.18	-.15	-.01	-.37	-.09	1.34	.11	.55	3.82	6.24	5.62
10	4.56	-.86	-1.05	.44	-.81	.33	1.64	-1.30	.83	4.24	6.14	6.37
15	2.68	-.24	.41	-.62	-.60	-.95	.15	-1.09	-.38	4.60	6.38	7.33
20	1.56	-.15	.43	.25	-.18	.79	-.24	-2.67	.80	4.62	5.71	6.56
25	1.04	-.34	-.53	.61	-.87	-.36	-.35	-.44	3.09	6.08	5.30	6.78
EOM	.49	-.19	.79	.27	-.54	1.62	-.82	-.80	3.30	5.76	5.24	7.13
MAX	5.92	.40	1.05	1.32	.26	1.62	2.07	.16	3.30	6.17	6.66	7.34



LEE COUNTY--Continued

WELL NUMBER.--262042081455001. Local Number L 1691.

LOCATION.--Lat 26°20'43", long 81°45'23", in NE ¼ NE ¼ NW ¼ sec.36, T.47 S., R.25 E., Hydrologic Unit 03090204, at East Terry Street, 1.5 mi east of Business US 41 and 1.4 mi east of Bonita Springs Post Office.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 69 ft, cased to 58 ft, open hole 58 to 69 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.20 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 12.49 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.99 ft above land-surface datum. See REMARKS.

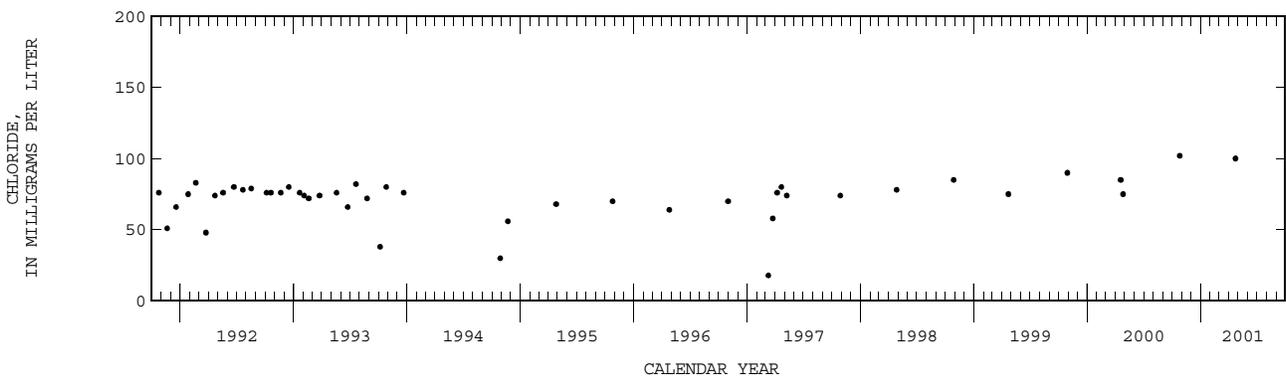
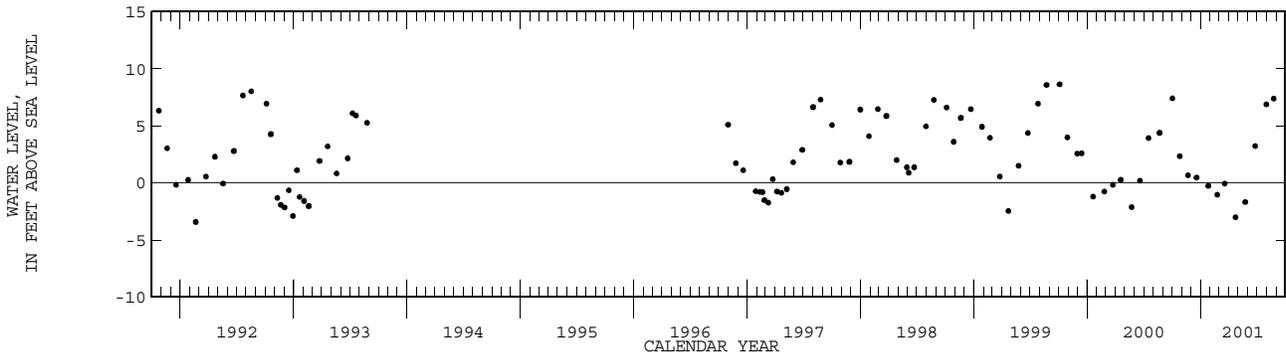
REMARKS.--Well is also used for salinity monitoring. Records of water levels, prior to October 1973, are available in files of the Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from proceeding years are unaffected. See DATUM.

PERIOD OF RECORD.--June 1973 to September 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.92 ft NGVD, Aug. 16, 17, 1974; lowest, 6.58 ft below NGVD, Jan. 7, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1645	--	--	7.40	APR 23...	1040	450	100	-3.02
NOV 21...	1250	--	--	.66	MAY 24...	1502	--	--	-1.69
DEC 18...	1550	--	--	.45	JUN 25...	1228	--	--	3.22
JAN 25...	1440	--	--	-0.27	JUL 31...	0846	--	--	6.87
FEB 23...	1150	--	--	-1.05	AUG 24...	1219	--	--	7.39
MAR 19...	1520	--	--	-0.07					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262102081464401. Local Number L 5722.

LOCATION.--Lat 26°21'05", long 81°46'45", in NW ¼ SE ¼ sec.26, T.47 S., R.25 E., Hydrologic Unit 03090204, at the northeast corner of Rosemary Drive and Business US 41, 1.5 mi north of Bonita Springs Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 21 ft, cased to 11 ft, screened 11 to 21 ft with 0.020 slot.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum. Prior to October 2000, land-surface datum was 11.36 ft above National Geodetic Vertical Datum of 1929 and measuring point was 2.00 ft above land-surface datum. See REMARKS.

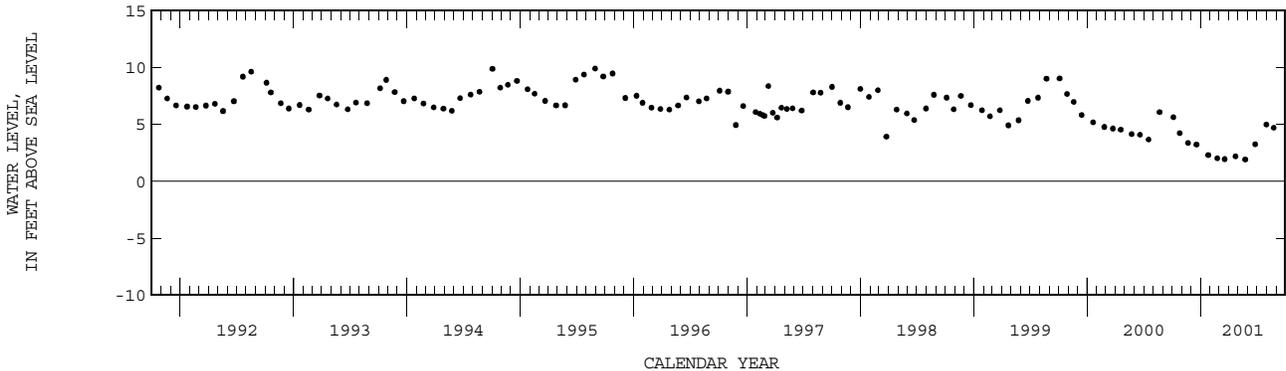
REMARKS.--Well was monitored for salinity until April 1993. In the 2001 water year the station was reconstructed and resurveyed. The land-surface datum and height of the measuring point were adjusted accordingly. The change in the overall measuring point was solely a function of the reconstruction effort. The figures of water levels as elevation, in feet NGVD, published prior to October 2000 are not affected by this change. See DATUM.

PERIOD OF RECORD.--March 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.89 ft NGVD, Aug. 30, 1995; lowest, 1.91 ft NGVD, May 24, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1700	5.62	23...	1254	2.19
25...	1300	4.22	MAY		
NOV			24...	1511	1.91
21...	1315	3.36	JUN		
DEC			25...	1203	3.25
18...	1545	3.22	JUL		
JAN			31...	0854	4.97
25...	1450	2.30	AUG		
FEB			24...	1225	4.69
23...	1210	2.01			
MAR					
19...	1530	1.94			



LEE COUNTY--Continued

WELL NUMBER.--262102081464402. Local Number L 5723.

LOCATION.--Lat 26°21'05", long 81°46'45", in NW ¼ SE ¼ sec.26, T.47 S., R.25 E., Hydrologic Unit 03090204, at northeast corner of Rosemary Drive and Business US 41, 1.5 mi north of Bonita Springs Post Office.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 140 ft, cased to 55 ft, open hole 55 to 140 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.20 ft above land-surface datum. Prior to October 2000, land-surface datum was 11.36 ft above National Geodetic Vertical Datum of 1929 and measuring point was 1.74 ft above land-surface datum. See REMARKS.

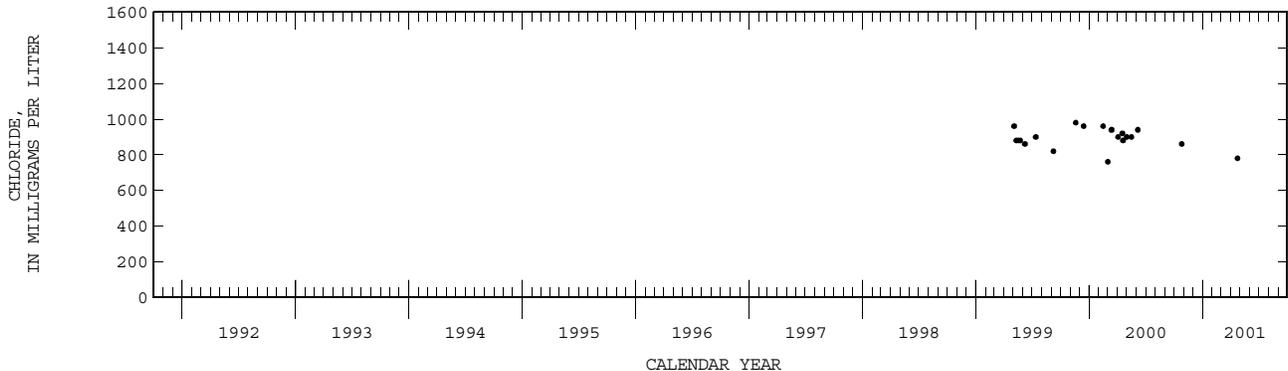
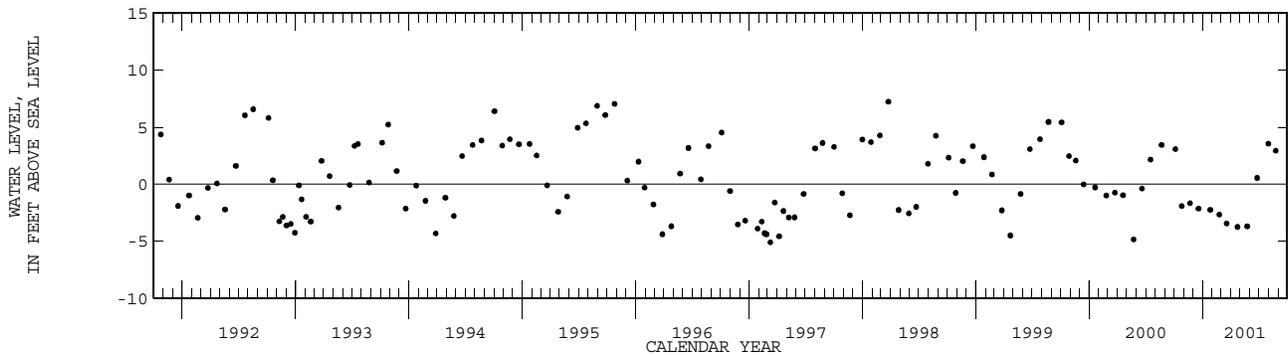
REMARKS.--Well is also used for salinity monitoring. Conductivity and chloride profiles for the previous water years are available in the files of the U.S. Geological Survey. Quality assurance protocols for conductivity and chloride samples collected at this station were reassessed in September, 1998. Chloride and conductivity data collected prior to this date are available in the files of the U.S. Geological Survey and should be used with caution. In the 2001 water year the station was reconstructed and resurveyed. The land-surface datum and height of the measuring point were adjusted accordingly. The change in the overall measuring point was solely a function of the reconstruction effort. The figures of water levels as elevation, in feet NGVD, published prior to October 2000 are not affected by this change. See DATUM.

PERIOD OF RECORD.--March 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.40 ft NGVD, Aug. 14, 1989; lowest, 5.33 ft below NGVD, Dec. 15, 1986.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 05...	1705	--	--	3.06	APR 23...	1256	3160	780	-3.76
25...	1210	3860	860	-1.93	MAY 24...	1513	--	--	-3.71
NOV 21...	1315	--	--	-1.68	JUN 25...	1206	--	--	.54
DEC 18...	1550	--	--	-2.16	JUL 31...	0855	--	--	3.53
JAN 25...	1455	--	--	-2.26	AUG 24...	1226	--	--	2.92
FEB 23...	1215	--	--	-2.68					
MAR 19...	1535	--	--	-3.46					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262258081471801. Local Number L 5746.

LOCATION.--Lat 26°22'59", long 81°47'16", in NE ¼ NE ¼ SE ¼ sec.15, T.47 S., R.25 E., Hydrologic Unit 03090204, 25 ft west of Stillwell Parkway and 50 ft north of Strike Lane, 1.3 mi east of old US 41, 3.5 mi north of Bonita Springs.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 10 ft, 5 ft of 0.020 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

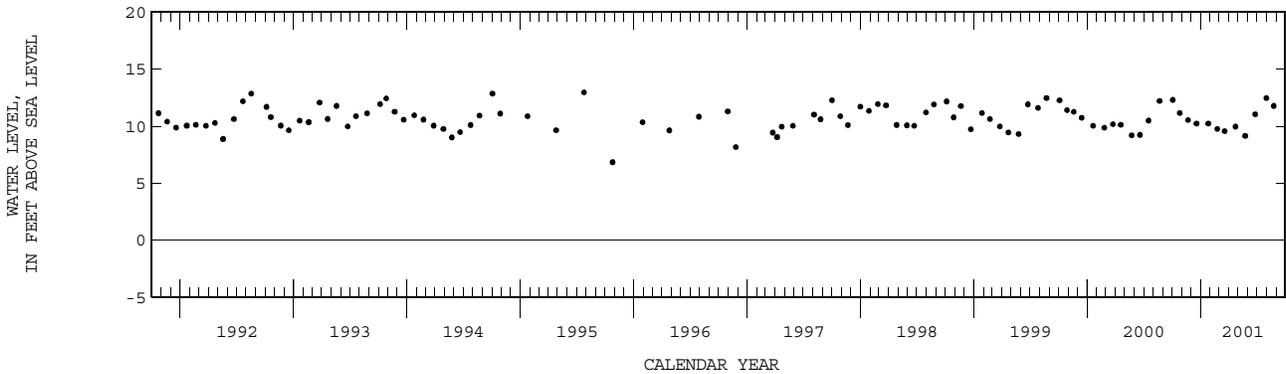
DATUM.--Land-surface datum is 13.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1987 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.94 ft NGVD, July 25, 1995; lowest, 6.82 ft NGVD, Oct. 25, 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0935	12.29	23...	1318	9.95
25...	1235	11.14	MAY		
NOV			24...	1526	9.13
21...	1330	10.51	JUN		
DEC			25...	1142	11.03
18...	1600	10.21	JUL		
JAN			31...	0917	12.45
25...	1520	10.21	AUG		
FEB			24...	1240	11.76
23...	1235	9.74			
MAR					
19...	1600	9.55			



LEE COUNTY--Continued

WELL NUMBER.--262258081471802. Local Number L 5747.

LOCATION.--Lat 26°22'59", long 81°47'16", in NE ¼ NE ¼ SE ¼ sec.15, T.47 S., R.25 E., Hydrologic Unit 03090204, 25 ft west of Stillwell Parkway and 50 ft north of Strike Lane, 1.3 mi east of old US 41, 3.5 mi north of Bonita Springs.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 105 ft, cased to 59 ft, 46 ft of open hole.

INSTRUMENTATION.--Satellite Data Collection Platform.

DATUM.--Land-surface datum is 13.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.77 ft above land-surface datum.

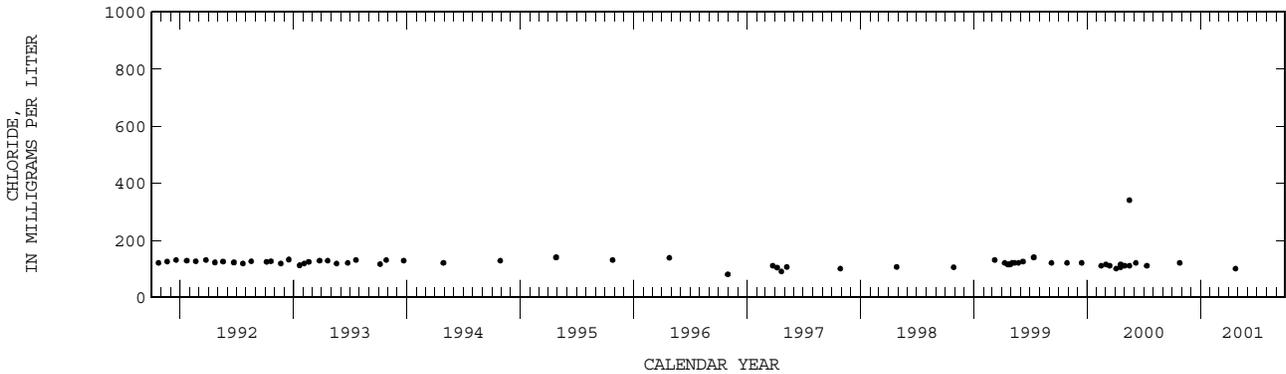
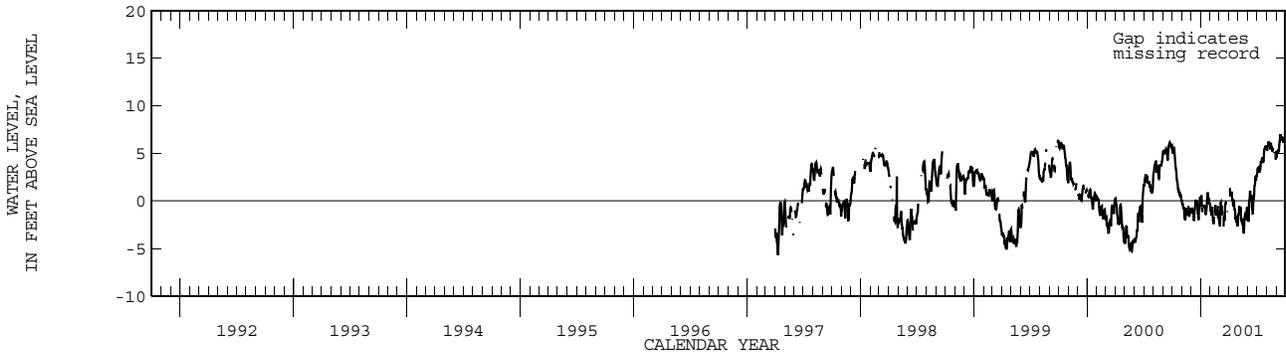
REMARKS.--Well is also used for salinity monitoring.

PERIOD OF RECORD.--July 1987 to September 1994 (monthly), October 1994 to March 1997 (quarterly), March 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.73 ft NGVD, Oct. 25, 1995; lowest, 6.87 ft below NGVD, Apr. 25, 1996.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.46	-.63	-.99	-1.18	-1.23	-1.07	.76	-.61	-.16	3.16	5.83	5.26
10	4.20	-1.81	-2.10	-.47	-2.09	-.71	.87	-2.13	.33	3.63	5.78	5.94
15	2.40	-.82	.04	-1.32	-1.27	-2.70	-.47	-2.12	-.83	3.99	6.04	6.91
20	1.13	---	-.03	-.65	-.89	-.49	-.93	-3.45	.33	4.13	5.37	6.40
25	.77	-1.57	-1.88	.15	-1.76	---	-1.69	-1.30	2.31	5.50	---	6.52
EOM	.01	-.90	.19	-.29	-1.50	---	-2.14	-1.34	2.66	---	4.86	6.58
MAX	5.64	.00	.36	.80	-.51	-.08	1.29	-.61	2.66	5.73	6.20	6.91



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262331082383201. Local Number L 5672.

LOCATION.--Lat 26°23'45", long 81°45'38", in SE ¼ SE ¼ sec.8, T.47 S., R.26 E., Hydrologic Unit 03090204, 4.85 mi north of Bonita Beach Road, 0.75 mi east of I-75, and 3.5 mi east of Bonita Springs Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 38 ft, open hole 23 to 38 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

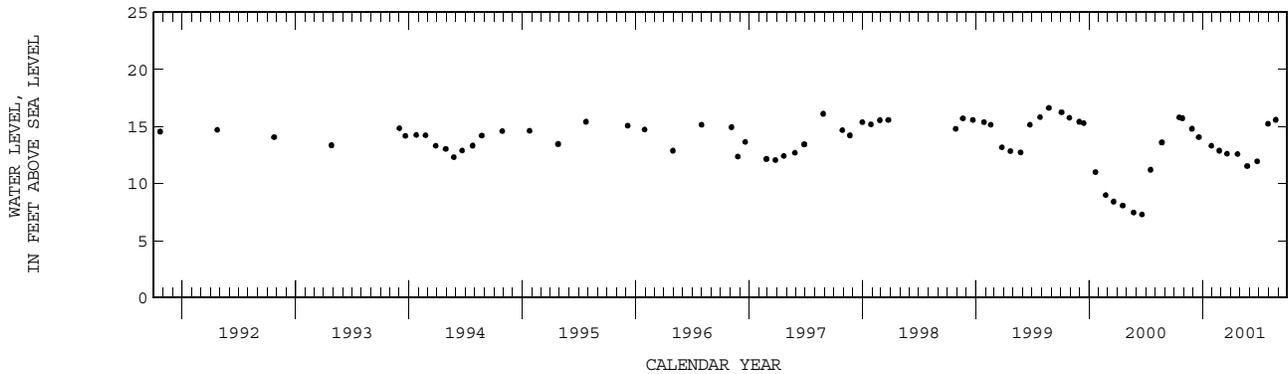
DATUM.--Land-surface datum is 16.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1983 to April 1993 (semiannual), December 1993 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.62 ft NGVD, Aug. 24, 1999; lowest, 7.27 ft NGVD, June 19, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
17...	1150	15.80	23...	0849	12.58
27...	1020	15.72	MAY		
NOV			24...	1349	11.53
27...	1240	14.80	JUN		
DEC			25...	1331	11.94
19...	1525	14.05	JUL		
JAN			30...	1351	15.24
29...	1235	13.30	AUG		
FEB			24...	1049	15.58
23...	1015	12.87			
MAR					
20...	1440	12.61			



LEE COUNTY--Continued

WELL NUMBER.--262331082383202. Local Number L 5673.

LOCATION.--Lat 26°23'45", long 81°45'38", in SE ¼ SE ¼ sec.8, T.47 S., R.26 E., Hydrologic Unit 03090204, 4.85 mi north of Bonita Beach Road, 0.75 mi east of I-75 and 3.5 mi east of Bonita Springs Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 135 ft, open hole 130 to 135 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

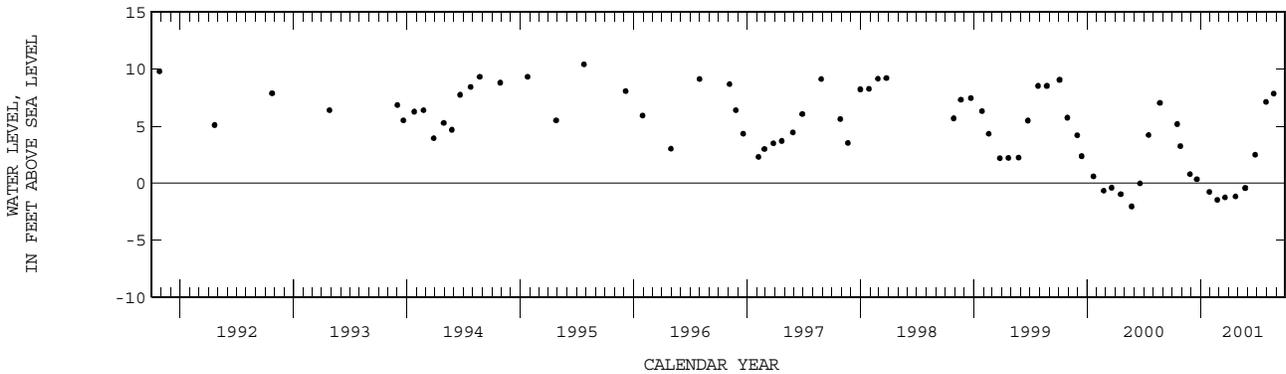
DATUM.--Land-surface datum is 16.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.02 ft above land-surface datum.

PERIOD OF RECORD.--May 1983 to April 1993 (semiannual), May 1993 to September 1994 (monthly), October 1994 to September 1995 (monthly), October 1995 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.41 ft NGVD July 25, 1995; lowest, 2.06 ft below NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
17...	1200	5.17	23...	0848	-1.18
27...	1030	3.24	MAY		
NOV			24...	1350	-0.44
27...	1250	.77	JUN		
DEC			25...	1333	2.48
19...	1530	.32	JUL		
JAN			30...	1353	7.10
29...	1230	-0.78	AUG		
FEB			24...	1050	7.84
23...	1020	-1.48			
MAR					
20...	1445	-1.26			





LEE COUNTY--Continued

WELL NUMBER.--262435081535001. Local Number L 1635.

LOCATION.--Lat 26°24'38", long 81°53'48", in NE ¼ SW ¼ sec.3, T.47 S., R.24 E., Hydrologic Unit 03090204, at Bay Beach Golf Course, 120 ft north of golf shop, 0.2 mi east of Estero Boulevard on Bay Beach Lane, 0.5 mi southeast of Matanzas Pass Bridge and 4.5 mi southeast of Fort Myers Beach Post Office.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 620 ft, cased to 360 ft, open hole 360 to 620 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange on gate valve, 1.20 ft above land-surface datum.

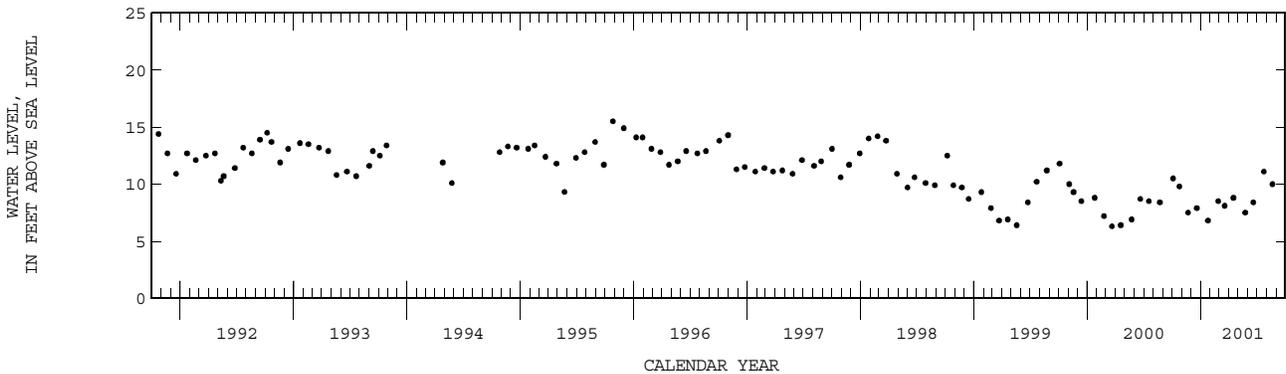
REMARKS.--Records of water levels prior to October 1975 are available in files of U.S. Geological Survey.

PERIOD OF RECORD.--February 1975 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.7 ft NGVD, Sept. 27, 1979; lowest, 6.30 ft NGVD, Mar. 21, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1625	10.50	16...	1431	8.80
24...	1554	9.80	MAY		
NOV			24...	1131	7.50
21...	1426	7.50	JUN		
DEC			19...	1234	8.40
19...	1337	7.90	JUL		
JAN			23...	1219	11.10
24...	1257	6.80	AUG		
FEB			20...	1059	10.00
26...	1625	8.50			
MAR					
19...	1405	8.10			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262435081535101. Local Number L 1634.

LOCATION.--Lat 26°24'38", long 81°53'48", in NE ¼ NE ¼ SW ¼ sec.3, T.47 S., R.24 E., Hydrologic Unit 03090204, at Bay Beach Golf Course 100 ft north of golf shop, 0.2 mi east of Estero Boulevard on Bay Beach Lane, 5 mi southeast of Matanzas Pass Bridge and 4.5 mi southeast of Fort Myers Beach Post Office.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 950 ft, cased to 740 ft, open hole 740 to 950 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in. elbow, 2.60 ft above land-surface datum.

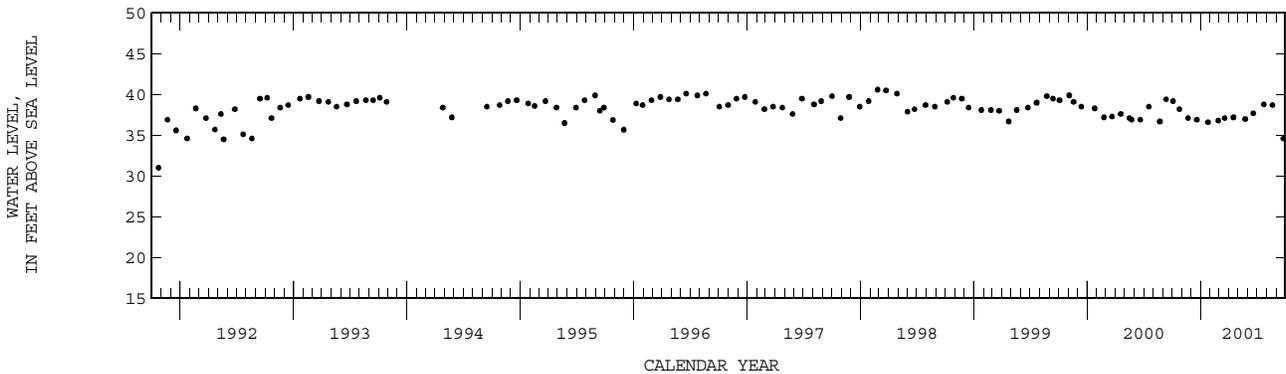
REMARKS.--Records of water levels, prior to October 1975, are available in the files of the U. S. Geological Survey.

PERIOD OF RECORD.--January 1975 to September 1993 (monthly), October 1993 to September 1994 (intermittent) October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.3 ft NGVD, July 27, 1988; lowest, 27.6 ft NGVD, July 23, 1991.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 04...	1627	39.20	APR 16...	1430	37.20
24...	1552	38.20	MAY 24...	1130	37.00
NOV 21...	1425	37.10	JUN 19...	1232	37.70
DEC 19...	1335	36.90	JUL 23...	1218	38.80
JAN 24...	1256	36.60	AUG 20...	1058	38.70
FEB 26...	1624	36.80	SEP 24...	1011	34.60
MAR 19...	1404	37.10			



LEE COUNTY--Continued

WELL NUMBER.--262511081471801. Local Number L 5669.

LOCATION.--Lat 26°25'14", long 81°47'17", in NW ¼ NW ¼ NW ¼ sec.2, T.46 S., R.25 E., Hydrologic Unit 03090204, 48 ft west of Sweetwater Road, 0.4 mi south of Horne Lane, 0.35 mi east of River Ranch Road, 0.35 mi south of Corkscrew Road, 1.05 mi west of I-75, 2.5 mi southeast of Estero Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 30 ft, cased to 23 ft, open hole 23 to 30 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. threaded PVC casing, 2.68 ft above land-surface datum.

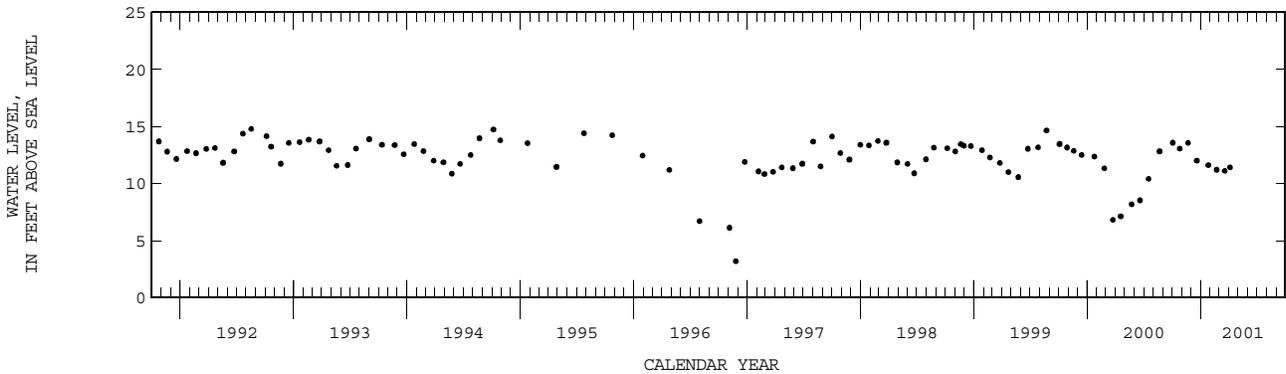
REMARKS.--Records of water levels prior to October 1983 are available in the files of the U.S. Geological Survey. Well was monitored for salinity until April, 1993.

PERIOD OF RECORD.--November 1982 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to April 2001. Destroyed by construction in May 2001. Replaced by well L-5669R.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.00 ft NGVD, Aug. 29, 1988; lowest, 3.18 ft NGVD, Nov. 25, 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT 03...	1045	13.57	FEB 21...	1520	11.20
25...	1120	13.06	MAR 19...	1630	11.10
NOV 21...	1355	13.55	APR 05...	1010	11.40
DEC 19...	1545	12.00			
JAN 25...	1600	11.60			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262513081432601. Local Number L 5667.

LOCATION.--Lat 26°25'17", long 81°43'26", in SW 1/4 SW 1/4 SE 1/4 sec.33, T.46 S., R.26 E., Hydrologic Unit 03090204, 2.4 mi south of Corkscrew Road, 5.35 mi east of US 41, and 6.0 mi east of Estero Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 32 ft, open hole 22 to 32 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.09 ft above land-surface datum.

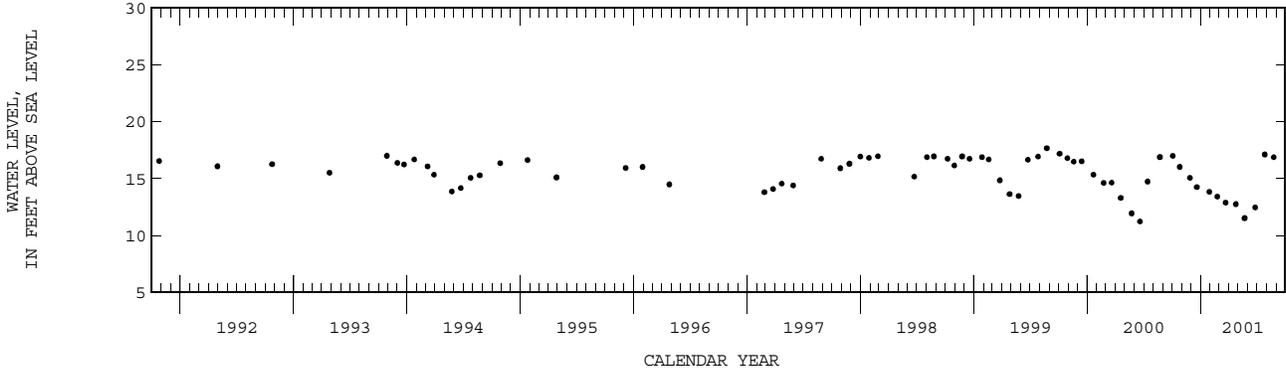
REMARKS.--Well also used for salinity monitoring until April, 1993.

PERIOD OF RECORD.--April 1983 to April 1993 (semiannual), October 1993 to September 1994 (monthly), October 1994 to September 1996 (quarterly), February 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.66 ft NGVD, Aug. 24, 1999; lowest, 11.24 ft NGVD, June 19, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1415	16.99	24...	1234	12.76
25...	1100	16.02	MAY		
NOV			22...	0805	11.53
27...	1105	15.07	JUN		
DEC			25...	1431	12.47
19...	1030	14.25	JUL		
JAN			26...	0753	17.11
29...	1435	13.84	AUG		
FEB			24...	0857	16.87
23...	0920	13.42			
MAR					
22...	1445	12.89			



LEE COUNTY--Continued

WELL NUMBER.--262513081472001. Local Number L 5669R.

LOCATION.--Lat 26°25'13", long 81°47'20", in NW ¼ NW ¼ NW ¼ sec.2, T.46 S., R.25 E., Hydrologic Unit 03090204, 48 ft west of Sweetwater Road, 0.4 mi south of Horne Lane, 0.35 mi east of River Ranch Road, 0.35 mi south of Corkscrew Road, 1.05 mi west of I-75, 2.5 mi southeast of Estero Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 33 ft, cased to 25 ft, screened 25-30 ft with .032 in. slot, open hole 30-33 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. casing, 2.30 ft above land-surface datum.

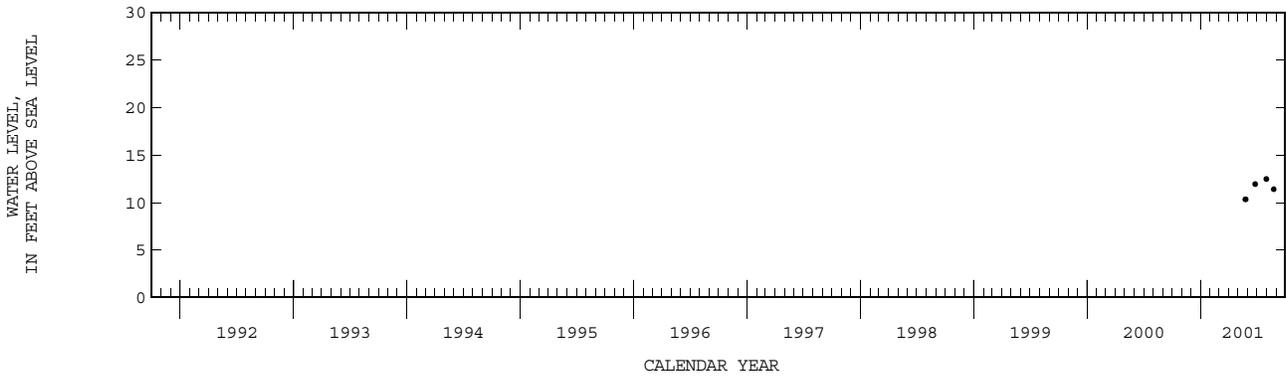
REMARKS.--Replacement for well L-5669 which was destroyed by road construction.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.46 ft NGVD, July 31, 2001; lowest, 10.34 ft NGVD, May 25, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
MAY			JUL		
25...	0835	10.34	31...	0940	12.46
JUN			AUG		
25...	1104	11.93	24...	1258	11.39



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262514081393402. Local Number L 5664.

LOCATION.--Lat 26°25'16", long 81°39'38", in SE ¼ SE ¼ SE ¼ sec.36, T.46 S., R.26 E., Hydrologic Unit 03090204, on 6-L Ranch Road, 6 mi east of I-75, and 2 mi south of Corkscrew Road, 8 mi southeast of Estero Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 300 ft, cased to 180 ft, open hole 180 to 300 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.20 ft above National Geodetic Vertical Datum of 1929. Prior to October 1991, land-surface datum was considered to be 20.0 ft NGVD. Measuring point: Top of casing, 0.08 ft above land-surface datum. See REMARKS.

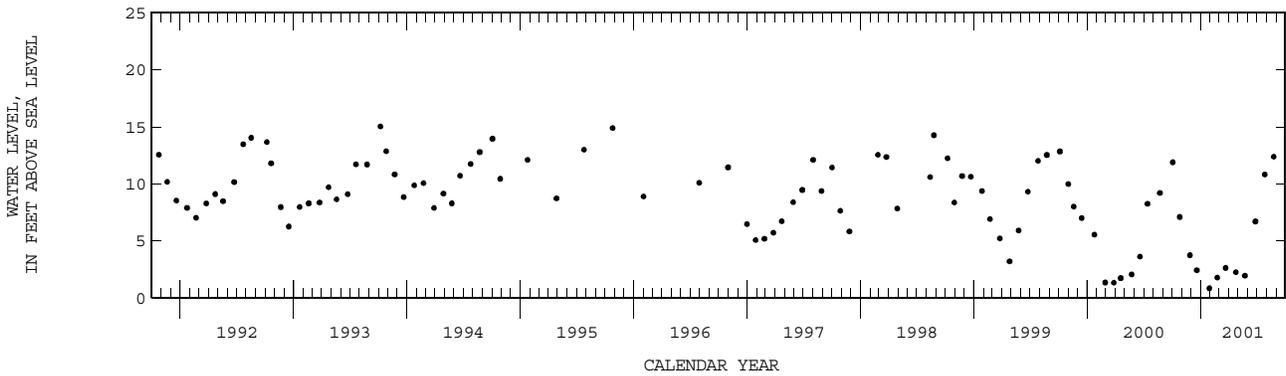
REMARKS.--Records of water levels, prior to October 1983, are available in the files of the U.S. Geological Survey. The figures of water levels, as elevation in feet NGVD, prior to October 1991, were in error. Corrected records are in the files of the U.S. Geological Survey. See DATUM. Well monitored for salinity until April, 1993.

PERIOD OF RECORD.--November 1982 to September 1994 (monthly), October 1994 to September 1995 (monthly), October 1995 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.55 ft NGVD, July 31, 1984; lowest, 0.83 ft NGVD, Jan. 29, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1245	11.88	24...	1136	2.23
25...	1000	7.08	MAY		
NOV			23...	0922	1.92
27...	0950	3.73	JUN		
DEC			26...	0859	6.69
19...	0900	2.41	JUL		
JAN			26...	0931	10.81
29...	1325	.83	AUG		
FEB			24...	0957	12.37
23...	0820	1.76			
MAR					
22...	1325	2.61			



LEE COUNTY--Continued

WELL NUMBER.--262538082045701. Local Number L 588.

LOCATION.--Lat 26°25'43", long 82°04'55", in NE ¼ NW ¼ sec.35, T.46 S., R.22 E., Hydrologic Unit 03100103, 15 ft south of interpretive sign, 0.1 mi west of Tarpon Bay Road at Ding Darling Wildlife Refuge-Bailey Tract and 0.7 mi south of Sanibel Post Office.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 557 ft, cased to 403 ft, open hole 403 to 557 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Land-surface datum is 2.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet, 3.71 ft above land-surface datum. Prior to October, 1999, measuring point was 3.46 ft above land-surface datum. See REMARKS.

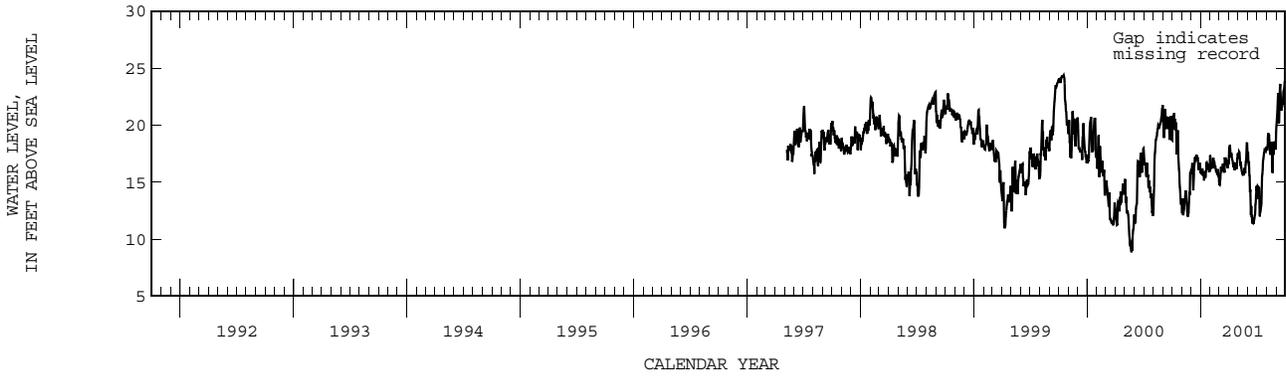
REMARKS.--Water levels affected by nearby pumping wells. Records of water levels prior to October 1978 are available in the files of the U.S. Geological Survey. Measuring point was changed to top of faucet, based on levels run on January, 1999. See DATUM.

PERIOD OF RECORD.--January 1964 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to February 1997 (monthly), May 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.80 ft NGVD, Oct. 7, 1992; lowest, 4.6 ft NGVD, Apr. 18, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.88	12.10	15.78	16.19	16.33	15.37	17.89	17.65	16.65	13.51	18.79	21.97
10	20.10	13.15	16.13	15.76	17.15	16.38	17.46	16.51	13.15	11.99	18.65	21.26
15	17.44	13.66	16.89	15.38	16.32	16.65	16.54	15.66	11.36	13.17	18.04	22.85
20	17.24	11.99	17.30	16.74	16.09	17.05	16.05	15.62	11.38	16.91	15.82	21.61
25	14.54	14.20	16.09	16.50	15.87	16.46	16.33	16.50	12.70	17.91	17.98	23.10
EOM	13.09	16.02	15.80	17.38	15.58	16.56	17.54	17.71	14.67	18.04	19.33	23.68
MAX	21.05	16.02	17.43	17.38	17.15	17.17	18.26	18.50	17.63	18.04	19.33	23.89



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262549082035301. Local Number L 1403.

LOCATION.--Lat 26°25'55", long 82°03'55", in SE ¼ NE ¼ SW ¼ sec.25, T.46 S., R.22 E., Hydrologic Unit 03100103, 10 ft north of Casa Ybel Road, 0.9 mi south of intersection of Periwinkle Way and Casa Ybel Road and 1.1 mi southeast of Sanibel Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 12 ft, cased to 3.0 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.50 ft above land-surface datum.

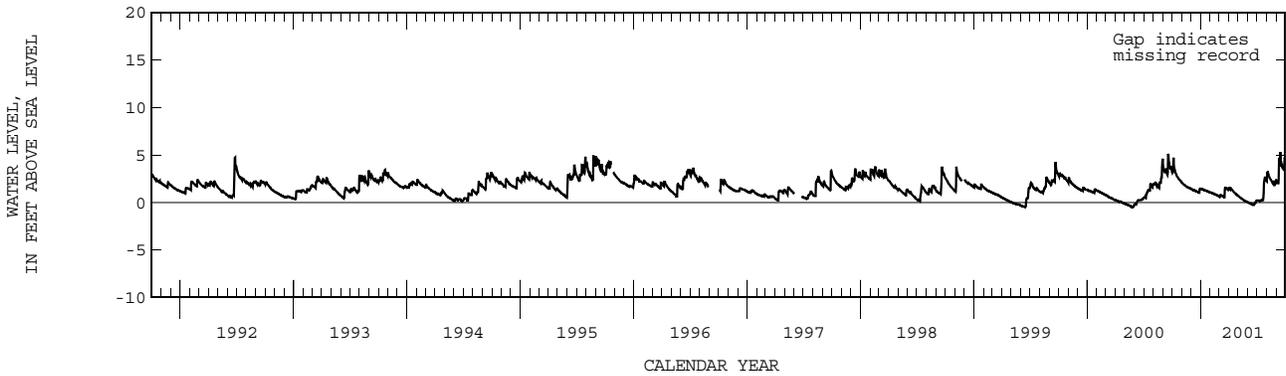
REMARKS.--Records of water levels, prior to October 1973, are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--February 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.30 ft NGVD, Sept. 14, 2001; lowest, 0.62 ft below NGVD, June 17, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.72	1.98	1.35	1.42	1.03	.79	1.35	.61	-.05	.23	3.07	2.08
10	3.27	1.85	1.27	1.34	.95	.72	1.45	.46	-.10	.17	2.68	4.72
15	2.86	1.70	1.23	1.27	.87	.61	1.22	.34	-.18	.26	2.39	4.70
20	2.59	1.60	1.15	1.23	.81	1.57	1.03	.24	-.25	.26	2.08	4.03
25	2.36	1.52	1.06	1.15	.72	1.47	.88	.14	.00	2.49	2.12	3.43
EOM	2.14	1.46	1.48	1.07	.66	1.54	.74	.06	.21	2.28	2.38	3.91
MAX	4.72	2.11	1.48	1.48	1.07	1.58	1.54	.72	.21	2.64	3.17	5.30



LEE COUNTY--Continued

WELL NUMBER.--262552081485702. Local Number L 2295.

LOCATION.--Lat 26°25'53", long 81°48'54", in SW 1/4 NE 1/4 NW 1/4 sec.33, T.46 S., R.25 E., Hydrologic Unit 03090204, at entrance to Koreshan State Park, 0.3 mi west of US 41, and 2.1 mi southeast of Estero Post Office.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 610 ft, cased to 300 ft, open hole 300 to 610 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 15.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. cap, 0.39 ft below land-surface datum.

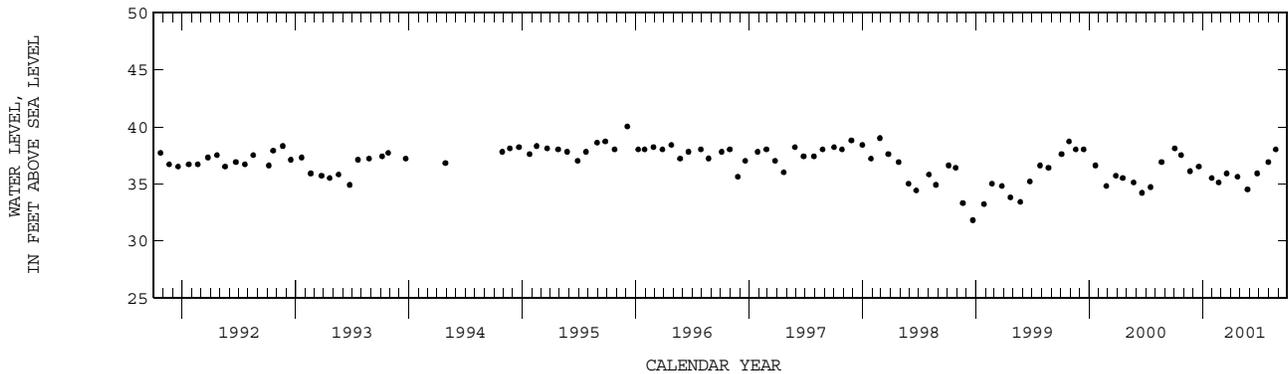
REMARKS.--Records of water levels, prior to October 1976, are available in files of the U.S. Geological Survey. Well was monitored for salinity until April 1993.

PERIOD OF RECORD.--July 1976 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.3 ft NGVD, Oct. 29, 1987; lowest, 31.8 ft NGVD, July 29, 1976 and Dec. 22, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1100	38.10	23...	1412	35.60
23...	1635	37.50	MAY		
NOV			25...	0814	34.50
21...	1410	36.10	JUN		
DEC			25...	1050	35.90
19...	1555	36.50	JUL		
JAN			31...	0955	36.90
30...	1100	35.50	AUG		
FEB			24...	1413	38.00
21...	1550	35.10			
MAR					
19...	1650	35.90			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262552081485703. Local Number L 2308.

LOCATION.--Lat 26°25'53", long 81°48'54", in NE ¼ NW ¼ sec.33, T.46 S., R.25 E., Hydrologic Unit 03090204, at entrance to Koreshan State Park, 0.3 mi west of US 41, and 2.1 mi southeast of Estero Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 13.5 ft, cased to 12 ft, open hole 12 to 13.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

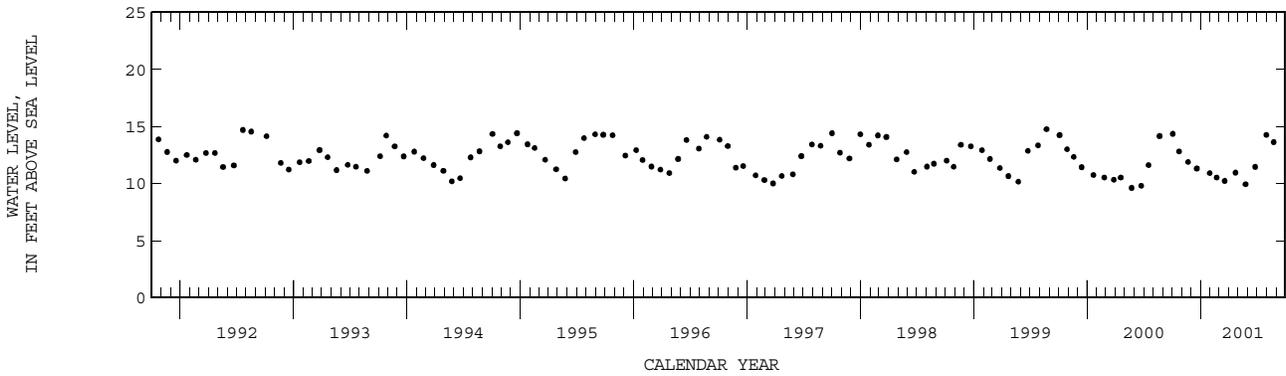
DATUM.--Land-surface datum is 15.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.22 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.81 ft NGVD, Sept. 28, 1984; lowest, 8.30 ft NGVD, May 28, 1982.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 03...	1055	14.35	APR 23...	1410	10.95
23...	1630	12.81	MAY 25...	0816	9.93
NOV 21...	1305	11.88	JUN 25...	1046	11.45
DEC 19...	1550	11.31	JUL 31...	0954	14.25
JAN 30...	1050	10.90	AUG 24...	1414	13.63
FEB 21...	1545	10.52			
MAR 19...	1645	10.22			



LEE COUNTY--Continued

WELL NUMBER.--262622082074401. Local Number L 2524.

LOCATION.--Lat 26°26'23", long 82°07'44", in NE ¼ NW ¼ sec.29, T.46 S., R.21 E., Hydrologic Unit 03100103, at end of West Gulf Drive, 0.10 mi north of road, 4.0 mi south of Sanibel Post Office.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 625 ft, cased to 512 ft, open hole 512 to 625 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage or chalked tape.

DATUM.--Land-surface datum is 5.16 ft above National Geodetic Vertical Datum of 1929. Measuring points: for pressure gage, top of 8 in. casing, 2.50 ft above land-surface datum, for chalked tape, top of wellcap, 2.70 ft above land-surface datum. (Corrected). See REMARKS.

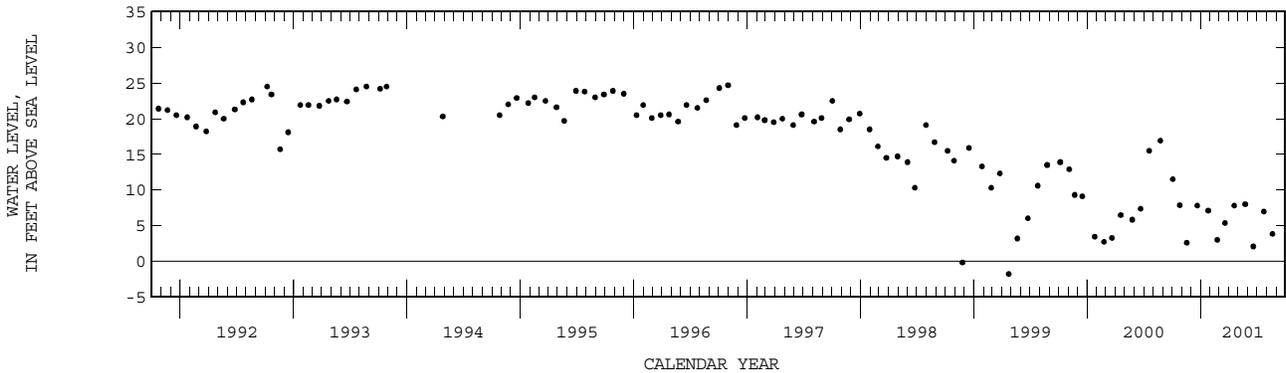
REMARKS.--Records of water levels, prior to October 1983, are available in files of the U.S. Geological Survey. The measuring point for chalked tape, listed prior to October 1999, was incorrect. Chalked tape measurements, collected prior to October 1999, have been corrected and are in the files of the Geological Survey.

PERIOD OF RECORD.--October 1977 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.2 ft NGVD, June 7, 1978; lowest, 1.81 ft below NGVD, Apr. 23, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1016	11.50	19...	0847	7.80
25...	1006	7.86	MAY		
NOV			24...	0911	8.00
17...	1152	2.59	JUN		
DEC			19...	1021	2.07
21...	1036	7.80	JUL		
JAN			23...	1007	6.97
25...	0840	7.10	AUG		
FEB			20...	0912	3.82
23...	1128	3.00			
MAR					
20...	1007	5.36			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262630081484801. Local Number L 5844.

LOCATION.--Lat 26°26'17", long 81°50'04", in SW ¼ SW ¼ sec.29, T.46 S., R.24 E., Hydrologic Unit 03090204, 0.25 mi southwest of intersection of Park Place and Coconut Drive, 300 ft west of Coconut Drive, 500 ft east of Park Place and 1.8 mi west of Estero Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112NRS.

WELL CHARACTERISTICS.--Drilled, observation, well, diameter 2 in., depth 35 ft, cased to 25 ft, screened from 25 to 35 ft.

INSTRUMENTATION.--Satellite data collection platform, with pressure transducer.

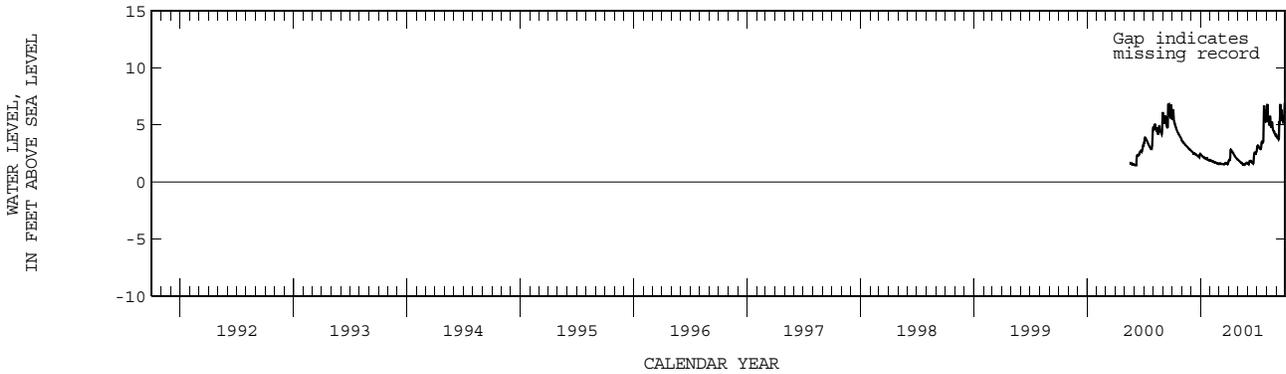
DATUM.--Land-surface datum is 6.93 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.07 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.86 ft NGVD, Sept. 28, 29, 2001; lowest, 1.46 ft NGVD, June 7, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.88	3.51	2.62	2.27	1.85	1.63	2.14	1.83	1.66	3.16	5.71	3.89
10	4.99	3.33	2.50	2.17	1.79	1.58	2.77	1.70	1.85	2.94	5.01	5.32
15	4.59	3.17	2.44	2.09	1.72	1.57	2.57	1.61	1.71	3.39	4.88	6.30
20	4.27	3.02	2.34	2.05	1.67	1.63	2.31	1.53	2.02	3.49	4.79	5.89
25	4.04	2.87	2.22	1.94	1.62	1.62	2.11	1.58	2.57	6.08	4.39	5.85
EOM	3.74	2.76	2.46	1.90	1.59	1.84	1.96	1.66	2.69	5.24	4.19	6.03
MAX	6.39	3.67	2.73	2.43	1.90	1.84	2.83	1.94	2.69	6.63	6.84	6.86



LEE COUNTY--Continued

WELL NUMBER.--262630081484802. Local Number L 5808.

LOCATION.--Lat 26°26'16", long 81°50'04", in SW ¼ SW ¼ sec.29, T.46 S., R.25 E., Hydrologic Unit 03090205, 0.25 mi southwest of intersection of Park Place and Coconut Drive, 300 ft west of Coconut Drive, 500 ft east of Park Place and 1.8 mi west of Estero Post Office.

AQUIFER.--Mid Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, well, diameter 2 in., depth 208 ft, cased to 192 ft, screened from 192 to 208 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer.

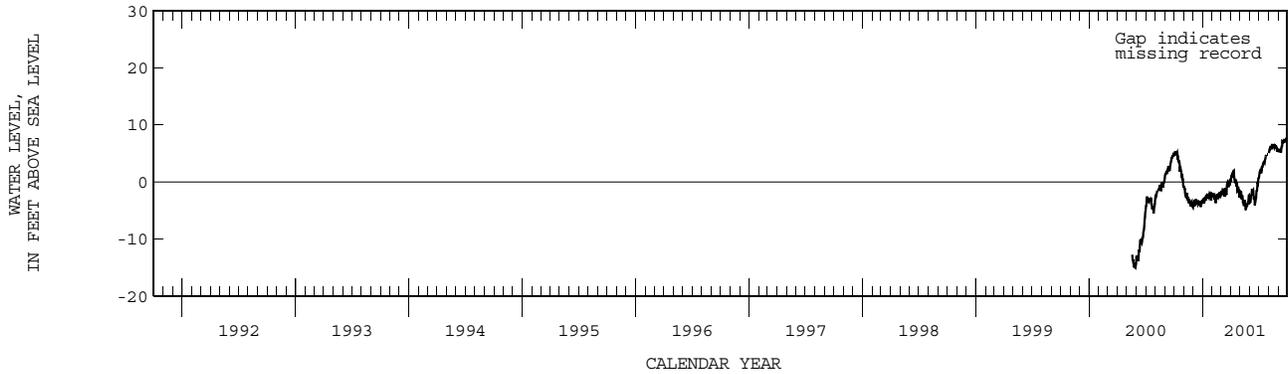
DATUM.--Land-surface datum is 6.93 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in. casing, 1.68 ft above land-surface datum.

PERIOD OF RECORD.--May, 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.78 ft NGVD, Sept. 29, 2001; lowest, 15.04 ft below NGVD, May 29, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.20	-1.95	-3.22	-3.03	-2.31	-1.73	.78	-2.37	-2.40	2.04	5.70	5.54
10	5.18	-2.02	-3.78	-2.63	-2.92	-2.27	1.94	-3.73	-1.94	2.70	6.07	5.76
15	3.57	-2.86	-3.49	-2.56	-2.68	-1.96	-.21	-3.43	-2.88	3.34	6.50	7.06
20	2.72	-3.87	-3.47	-2.58	-2.01	-.26	-.17	-4.74	-2.98	3.91	6.28	7.12
25	1.26	-3.67	-4.36	-2.44	-2.79	-.91	-.98	-3.80	-.56	---	6.29	7.51
EOM	-1.07	-4.45	-3.23	-2.07	-2.31	.41	-2.14	-3.13	.69	---	5.84	7.66
MAX	5.25	-1.09	-3.01	-1.98	-1.82	.41	2.01	-1.62	.69	4.82	6.50	7.78



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262657081443501. Local Number L 739.

LOCATION.--Lat 26°26'58", long 81°44'33", in NE ¼ NE ¼ sec.30, T.46 S., R.26 E., Hydrologic Unit 03090204, 13 ft north of Corkscrew Road, 2.6 mi east of I-75, and 5.3 mi southeast of Estero Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 18 ft, open hole 18 to 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum. Land-surface elevation increased from 18.95 ft to 21.86 ft because of road construction in 1985. See REMARKS.

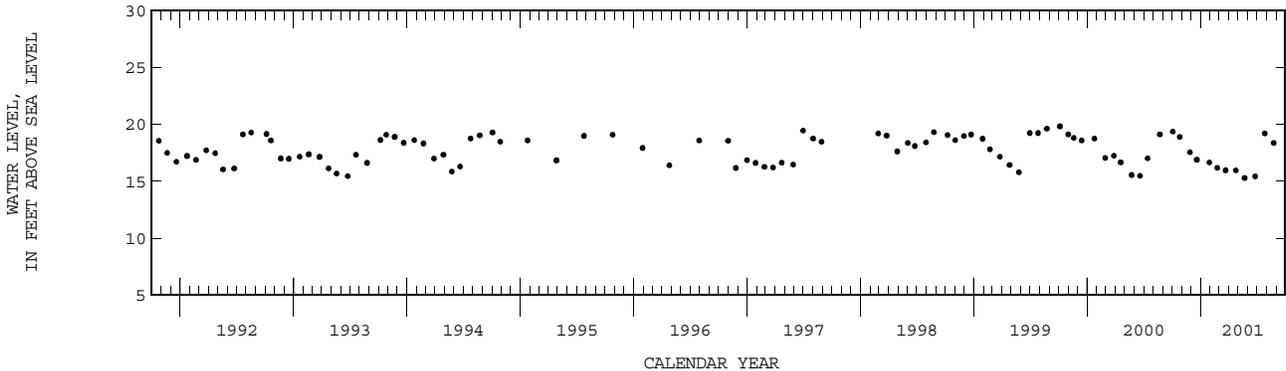
REMARKS.--Records of water levels, prior to October 1974, are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, published from August 1985 to September 2000 are in error. The following corrections were applied to correct the data: +0.92 ft from August 1985 to October 30, 1989, +2.47 ft from November 1989 to September 1998, +1.26 ft from October 1998 to September 2000. Corrected records are in the files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.82 ft NGVD, Oct. 5, 1999; lowest, 13.03 ft NGVD, May 30, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1435	19.36	24...	1123	15.95
25...	0900	18.89	MAY		
NOV			22...	0739	15.29
27...	1130	17.54	JUN		
DEC			25...	1407	15.43
19...	0830	16.89	JUL		
JAN			26...	0732	19.20
29...	1450	16.64	AUG		
FEB			24...	0835	18.36
23...	0800	16.17			
MAR					
22...	1515	15.97			



LEE COUNTY--Continued

WELL NUMBER.--262659081382501. Local Number L 2192.

LOCATION.--Lat 26°27'01", long 81°38'27", in NE ¼ NW ¼ NW ¼ sec.29, T.46 S., R.27 E., Hydrologic Unit 03090204, 10 ft south of Corkscrew Road, 8.45 mi east of I-75, and 11.6 mi east of Estero Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 184 ft, cased to 155 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

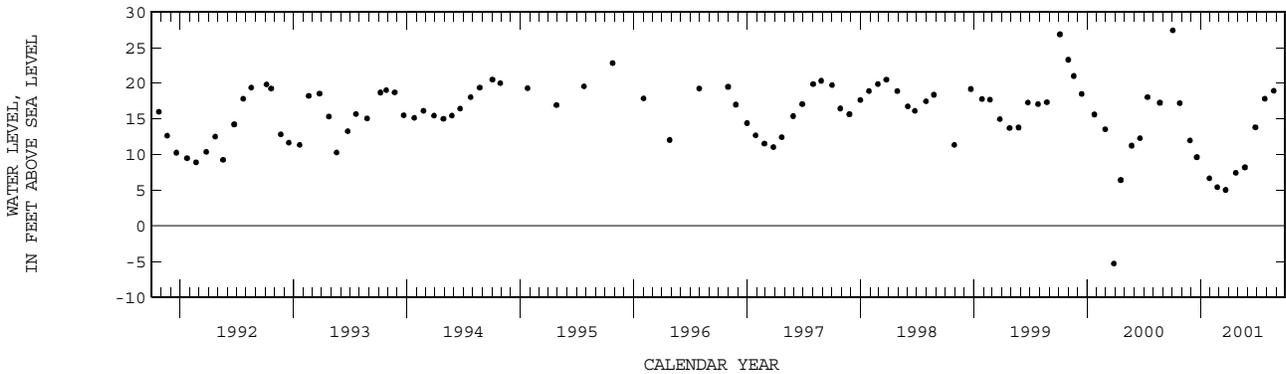
DATUM.--Land-surface datum is 27.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.80 ft above land-surface datum.

PERIOD OF RECORD.--August 1975 to September 1995 (monthly), October 1995 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.41 ft NGVD, Oct. 3, 2000; lowest, 5.32 below ft NGVD, Mar. 27, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1310	27.41	24...	1145	7.43
25...	1030	17.21	MAY		
NOV			23...	0930	8.20
27...	1000	11.96	JUN		
DEC			26...	0906	13.82
19...	0920	9.63	JUL		
JAN			26...	0940	17.82
29...	1330	6.66	AUG		
FEB			24...	1005	18.94
23...	0830	5.41			
MAR					
22...	1340	5.03			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262703081340201. Local Number L 731.

LOCATION.--Lat 26°27'03", long 81°33'59", in NE ¼ NE ¼ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 21 ft south of Corkscrew Road, 5.6 mi south of SR 82 and CR 850 intersection, and 11.7 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 243 ft, cased to 165 ft, open hole 165 to 243 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer.

DATUM.--Land-surface datum is 24.38 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.20 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 25.19 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.39 ft above land-surface datum. See REMARKS.

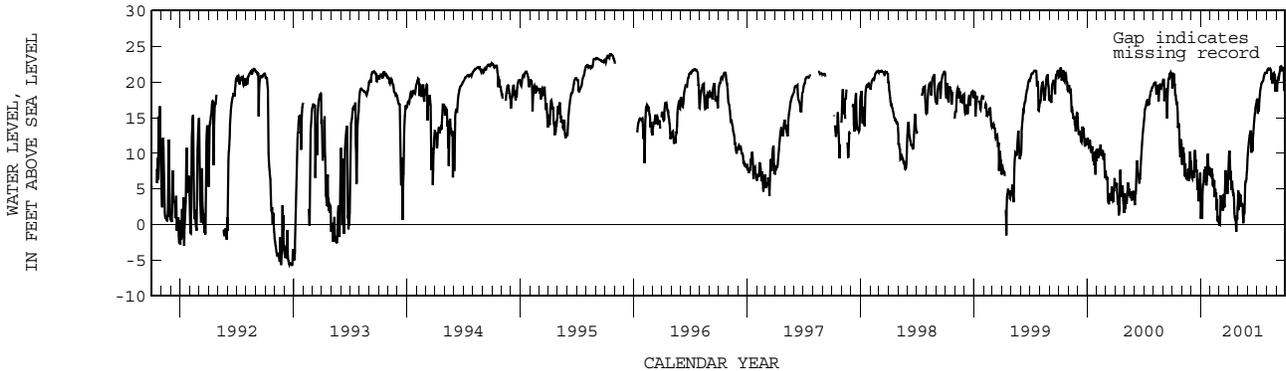
REMARKS.--Water levels affected by pumping wells. Records of water levels, prior to October 1973, are available in the files of the U.S. Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--August 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.62 ft NGVD, Oct. 5, 1969; lowest, 7.86 ft below NGVD, Mar. 30, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.01	10.38	7.10	.78	7.83	2.25	7.79	4.34	11.77	16.97	21.81	20.26
10	18.24	8.46	6.53	6.41	6.37	2.52	4.85	2.97	13.13	18.25	21.80	21.05
15	17.00	6.35	8.84	7.88	3.84	3.37	4.35	2.52	11.70	19.75	21.69	22.19
20	13.79	6.81	6.08	5.85	2.85	5.99	1.01	1.33	13.72	20.14	19.89	21.65
25	10.54	7.33	3.37	8.36	1.08	5.34	-1.06	6.00	16.05	21.10	20.72	21.85
EOM	11.32	8.96	2.97	6.81	.32	8.88	2.80	8.98	17.28	21.29	20.03	22.24
MAX	21.12	10.85	10.45	9.94	7.83	8.88	10.36	8.98	17.28	21.31	21.90	22.24



LEE COUNTY--Continued

WELL NUMBER.--262703081340202. Local Number L 1138.

LOCATION.--Lat 26°27'03", long 81°33'59", in NE ¼ NE ¼ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 21 ft south of Corkscrew Road, 5.6 mi south of intersection of SR 82 and CR 850, and 11.7 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 15 ft, screen 15 to 20 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 24.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 3.30 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 25.19 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.50 ft above land-surface datum. See REMARKS.

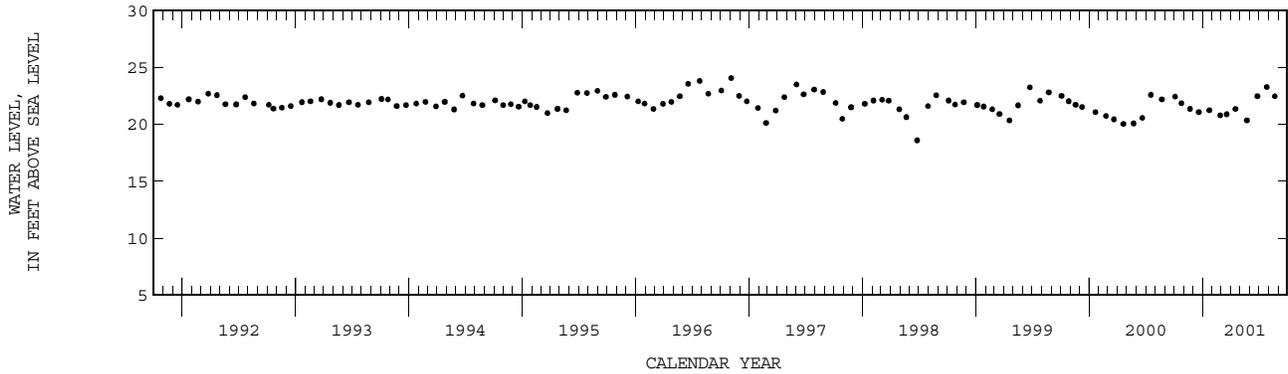
REMARKS.--Records of water levels, prior to October 1975, are available in the files of the U. S. Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figure of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.00 ft NGVD, Aug. 27, 1970; lowest, 18.59 ft NGVD, June 26, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 04...	0901	22.42	APR 16...	0734	21.34
24...	0930	21.85	MAY 23...	0951	20.34
NOV 21...	0833	21.35	JUN 26...	0926	22.46
DEC 19...	0832	21.07	JUL 26...	1152	23.26
JAN 22...	0852	21.23	AUG 21...	0738	22.45
FEB 26...	0942	20.78			
MAR 19...	0755	20.88			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262703081340203. Local Number L 2313.

LOCATION.--Lat 26°27'03", long 81°33'59", in NE ¼ NE ¼ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 21 ft south of Corkscrew Road, 5.6 mi south of intersection of SR 82 and CR 850, and 11.7 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 670 ft, cased to 400 ft, open hole 400 to 670 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 24.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 3.30 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 25.19 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.47 ft above land-surface datum. See REMARKS.

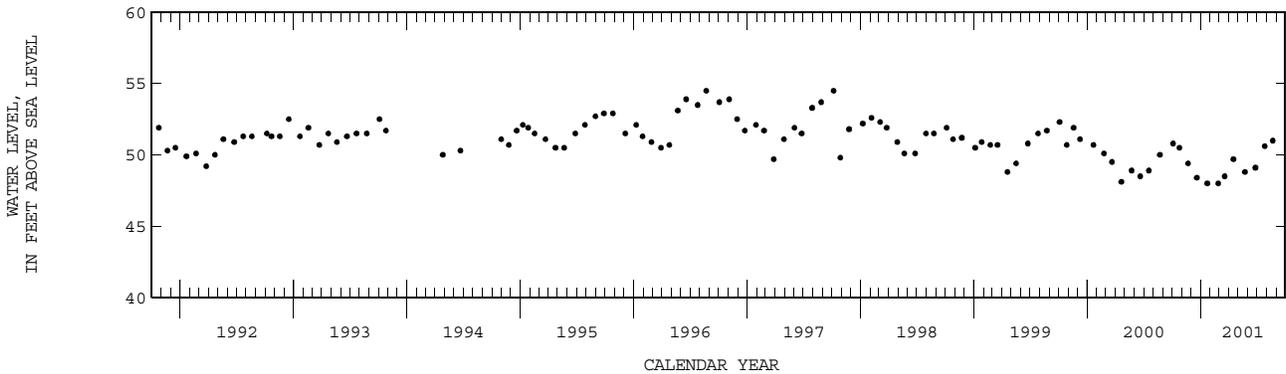
REMARKS.--Records of water levels, prior to October 1982, are available in the files of the U.S. Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--August 1976 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.5 ft NGVD, Nov. 24, 1987 and Aug. 22, 1996; lowest, 46.6 ft NGVD, June 28, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0904	50.80	16...	0739	49.70
24...	0924	50.50	MAY		
NOV			23...	0944	48.80
21...	0826	49.40	JUN		
DEC			26...	0924	49.10
19...	0836	48.40	JUL		
JAN			26...	1142	50.60
22...	0855	48.00	AUG		
FEB			21...	0739	51.00
26...	0945	48.00			
MAR					
19...	0758	48.50			



LEE COUNTY--Continued

WELL NUMBER.--262706081435401. Local Number L 1853.

LOCATION.--Lat 26°27'07", long 81°43'57", in NW ¼ SW ¼ SE ¼ sec.20, T.46 S., R.26 E., Hydrologic Unit 03090204, 17 ft north of Corkscrew Road, 3.2 mi east of I-75, and 6.0 mi east of Estero Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 210 ft, cased to 130 ft, open hole 130 to 210 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 19.98 ft above National Geodetic Vertical datum of 1929 and measuring point was considered to be 4.75 ft above land-surface datum. See REMARKS.

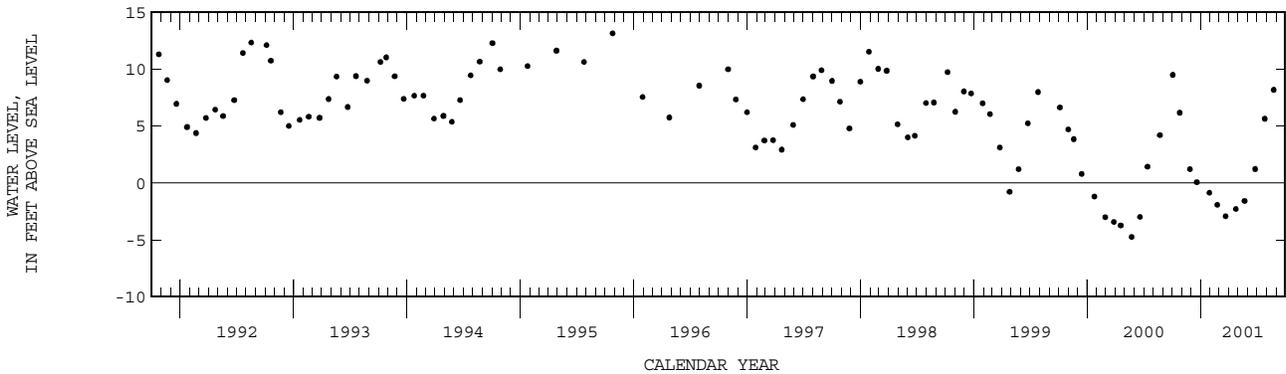
REMARKS.--Records of water levels prior to October 1975 are available in the files of the U.S. Geological Survey. Well was monitored for salinity until May, 1992. Record of water levels, prior to October 1975, are available in the files of the U.S. Geological Survey. In January 2002, the well was resurveyed. Land-surface datum and height of the measuring point above land-surface datum have been corrected. Prior to October 2001, the figures of water levels as elevation are in error and have not been adjusted to this datum. See DATUM.

PERIOD OF RECORD.--November 1974 to September 1995 (monthly), October 1995 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.52 ft NGVD, Sept. 28, 1983; lowest, 4.73 ft below NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1230	9.48	24...	1250	-2.29
25...	0910	6.16	MAY		
NOV			22...	0745	-1.58
27...	0935	1.21	JUN		
DEC			25...	1412	1.22
19...	0840	.07	JUL		
JAN			26...	0737	5.63
29...	1310	-0.87	AUG		
FEB			24...	0842	8.17
23...	0810	-1.93			
MAR					
22...	1315	-2.92			



LEE COUNTY--Continued

WELL NUMBER.--262706082080201. Local Number L 5735.

LOCATION.--Lat 26°27'09", long 82°08'01", in NW ¼ SW ¼ NW ¼ sec.20, T.46 S., R.22 E., Hydrologic Unit 03100103, 1.8 mi northwest of intersection of Sanibel Captiva Road and Rabbit Road.

AQUIFER.--Upper Floridan Aquifer of the Oligocene Age, Geologic Unit 120 UFAQ.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 1 ¼ in., depth 770 ft, cased to 740 ft, open hole 740 to 770 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape or pressure gage.

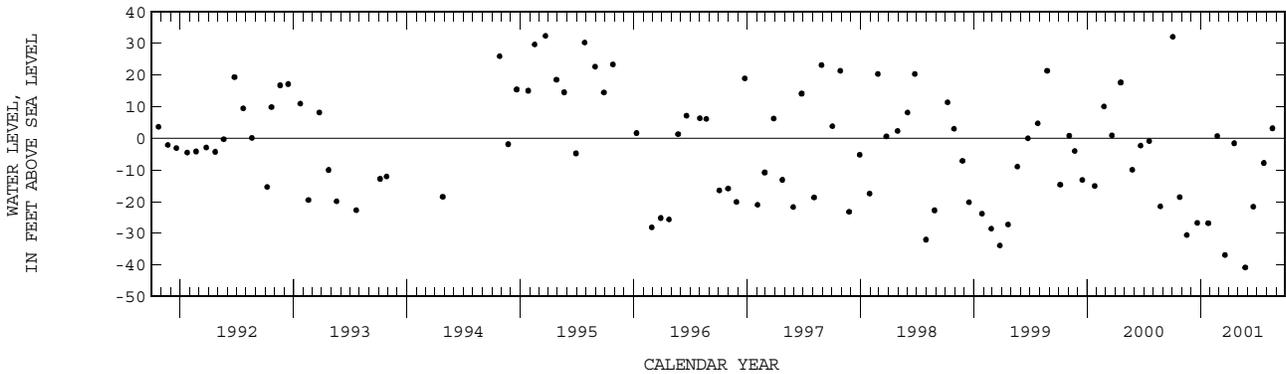
DATUM.--Land-surface datum is 2.73 ft above National Geodetic Vertical Datum of 1929. Measuring points: For pressure gage, top of steel flange, 1.77 ft above land-surface datum; for chalked tape, top of 1 in. pipe, 2.64 ft above land-surface datum.

PERIOD OF RECORD.--March 1987 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.33 ft NGVD, Mar. 23, 1995; lowest, 40.80 ft below NGVD, May 24, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1025	32.00	19...	0900	-1.58
25...	1027	-18.61	MAY		
NOV			24...	0927	-40.80
17...	1212	-30.57	JUN		
DEC			19...	1046	-21.61
21...	1056	-26.71	JUL		
JAN			23...	1026	-7.82
25...	0859	-26.82	AUG		
FEB			20...	0928	3.14
23...	1151	.68			
MAR					
20...	1040	-36.86			



LEE COUNTY--Continued

WELL NUMBER.--262706082080202. Local Number L 5737.

LOCATION.--Lat 26°27'09", long 82°08'01", in NW ¼ SW ¼ NW ¼ sec.20, T.46 S., R.22 E., Hydrologic Unit 03100103, 1.8 mi northwest of intersection of Sanibel Captiva Road and Rabbit Road on Sanibel Island.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 700 ft, cased to 665 ft, open hole 665 to 700 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape or pressure gage.

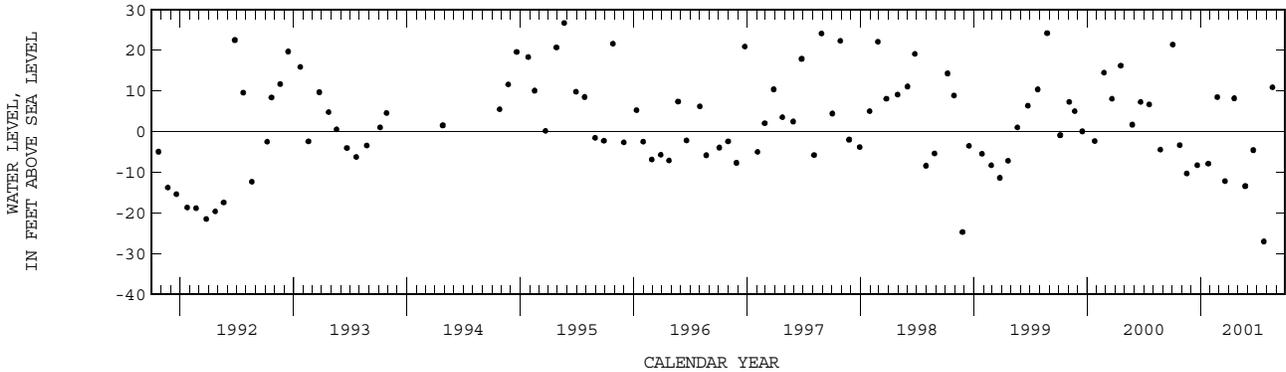
DATUM.--Land-surface datum is 2.73 ft above National Geodetic Vertical Datum of 1929. Measuring points: For pressure gage, top of steel flange, 1.77 ft above land-surface datum; for chalked tape, top of 1 in. pipe, 3.12 ft above land-surface datum.

PERIOD OF RECORD.--March 1987 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.7 ft NGVD, May 22, 1995; lowest, 26.95 ft below NGVD, July 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1027	21.40	19...	0903	8.20
25...	1024	-3.29	MAY		
NOV			24...	0925	-13.36
17...	1209	-10.26	JUN		
DEC			19...	1043	-4.53
21...	1050	-8.22	JUL		
JAN			23...	1038	-26.95
25...	0856	-7.84	AUG		
FEB			20...	0926	10.90
23...	1156	8.50			
MAR					
20...	1037	-12.12			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--262710082005301. Local Number L 585.

LOCATION.--Lat 26°27'11", long 82°00'55", in SW ¼ NE ¼ sec.21, T.46 S., R.23 E., Hydrologic Unit 03100103, 200 ft west of Lighthouse, along trail from lighthouse to beach at Point Ybel and 7 mi east of Sanibel Post Office.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 475 ft, cased to 335 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 2.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Reference mark on 3 in. brass exhaust for gate valve, 2.50 ft above land-surface datum.

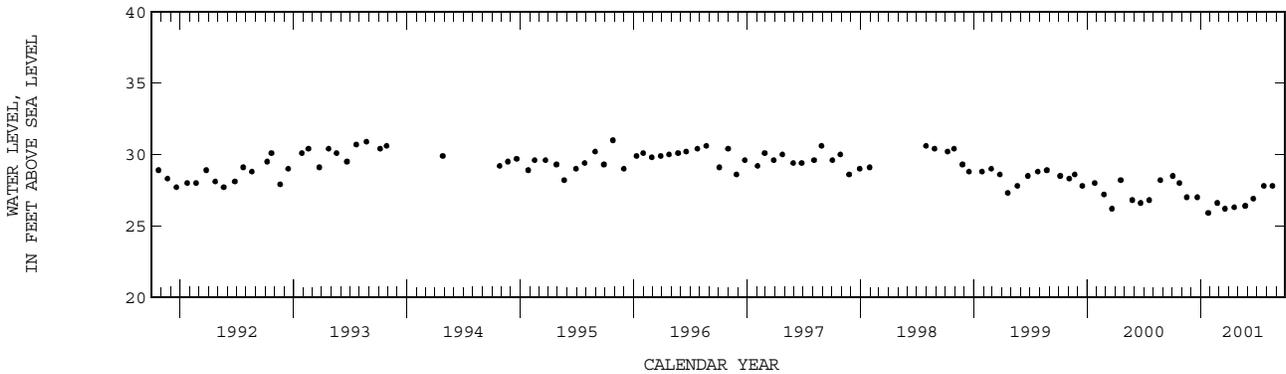
REMARKS.--Records of water levels, prior to October 1981, are in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1964 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.3 ft NGVD, July 26, 1988; lowest, 21.2 ft NGVD, Jan. 28, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1135	28.50	19...	0747	26.30
24...	0901	28.00	MAY		
NOV			24...	0816	26.40
17...	1056	27.00	JUN		
DEC			19...	0858	26.90
21...	0915	27.00	JUL		
JAN			23...	0857	27.80
25...	0727	25.90	AUG		
FEB			20...	0819	27.80
23...	0959	26.60			
MAR					
20...	0852	26.20			



LEE COUNTY--Continued

WELL NUMBER.--262711081413701. Local Number L 2550.

LOCATION.--Lat 26°27'12", long 81°41'37", in SE ¼ NE ¼ SE ¼ sec.22, T.46 S., R.26 E., Hydrologic Unit 03050204, 0.75 mi east of Alico Road, 0.05 mi north of Corkscrew Road, 1.8 mi east of I-75, and 8.2 mi east of Estero Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122SND5.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 134 ft, cased to 67 ft, open hole 67 to 134 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Land-surface datum is 18.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.50 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 19.5 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 1.57 ft above land-surface datum. See REMARKS.

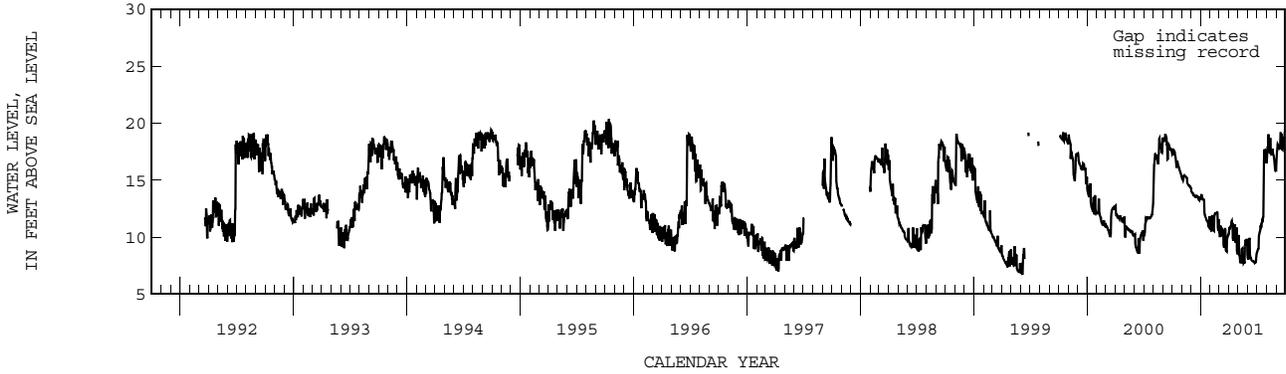
REMARKS.--In water year 2001, land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from proceeding years are unaffected. See DATUM.

PERIOD OF RECORD.--March 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.37 ft NGVD, Oct. 13, 1995; lowest, 6.71 ft NGVD, June 7, 1999.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.70	15.01	13.86	13.44	10.50	10.92	10.82	8.43	9.76	8.97	17.59	18.17
10	17.24	15.42	13.70	13.27	10.63	10.69	11.38	7.98	8.19	10.48	17.45	17.97
15	16.08	15.27	13.54	11.82	12.03	9.34	9.78	8.02	7.93	10.90	17.49	19.12
20	16.25	14.69	13.56	11.52	12.13	10.80	11.03	7.78	7.88	11.71	17.73	17.71
25	15.81	14.51	13.33	11.05	10.66	8.74	10.34	9.69	7.79	17.46	16.88	18.67
EOM	15.33	14.33	13.43	10.82	11.50	10.30	8.58	8.47	8.59	16.49	15.74	19.40
MAX	17.71	15.44	14.04	13.78	12.17	11.01	11.42	10.13	9.87	17.71	19.02	19.46



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262713081414401. Local Number L 2193.

LOCATION.--Lat 26°27'14", long 81°41'40", in SW ¼ NE ¼ SE ¼ sec.22, T.46 S., R.26 E., Hydrologic Unit 03050204, 0.75 mi east of Alico Road, 50 ft north of Corkscrew Road, 1.8 mi east of I-75, and 8.2 mi east of Estero Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS. (Corrected).

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 292 ft, cased to 220 ft, screened 220 to 292 ft.

INSTRUMENTATION.--Electronic data logger, with pressure transducer.

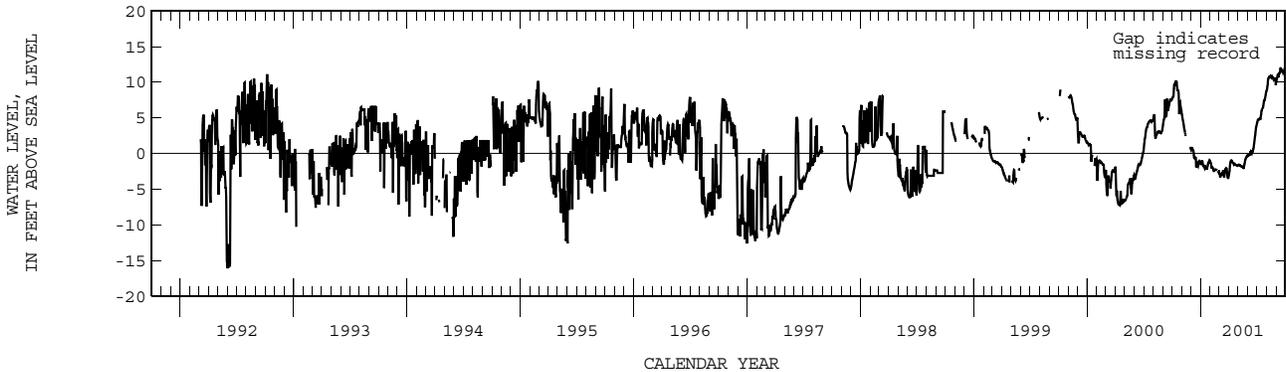
DATUM.--Land-surface datum is 19.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.54 ft above land-surface datum.

PERIOD OF RECORD.--September 1975 to January 1978 (monthly), March 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.07 ft NGVD, Sept. 26, 1975; lowest daily maximum water level, 16.10 ft below NGVD, June 2, 1992.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.08	4.53	.67	-1.06	-2.09	-3.35	-1.38	-1.59	-.24	4.80	10.04	11.05
10	9.74	3.18	-.48	-1.90	-2.31	-2.89	-1.02	-1.77	.23	4.86	10.79	11.32
15	9.95	---	-.57	-1.78	-2.29	-2.89	-1.31	-1.86	.22	5.90	10.85	11.99
20	8.78	---	-1.28	-2.16	-2.34	-2.37	-1.49	-1.86	.97	6.49	10.77	11.58
25	7.03	---	-1.17	-1.30	-2.52	-2.15	-1.62	-.80	2.71	7.50	10.35	11.52
EOM	5.79	.57	-1.60	-1.05	-2.66	-3.21	-1.71	-.33	4.01	8.79	9.89	12.13
MAX	10.15	5.51	.76	-.94	-1.18	-2.04	-1.00	-.33	4.01	8.79	10.95	12.13



LEE COUNTY--Continued

WELL NUMBER.--262713081414701. Local Number L 1985.

LOCATION.--Lat 26°27'12", long 81°41'42", in SE ¼ NW ¼ SE ¼ sec.22, T.46 S., R.26 E., Hydrologic Unit 03090204, 20 ft north of Corkscrew Road, 5.55 mi east of I-75, and 8.2 mi east of Estero Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 50 ft, cased to 43 ft, open hole 43 to 50 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. PVC, 0.14 ft above land-surface datum.

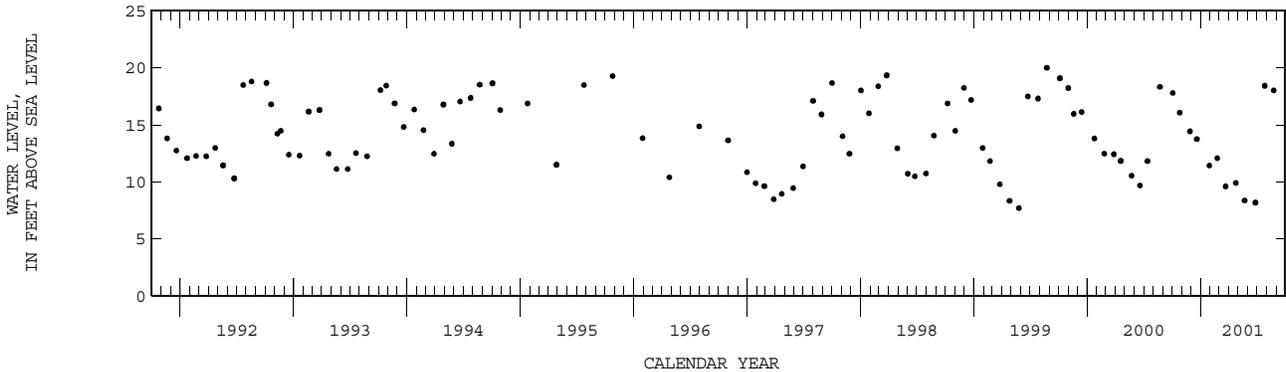
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey. Well was monitored for salinity until April, 1993.

PERIOD OF RECORD.--December 1974 to September 1978 (monthly), October 1978 to September 1992 (daily), October 1992 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.73 ft NGVD, Aug. 2, 1991; lowest, 7.33 ft NGVD, May 7, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1300	17.78	24...	1156	9.89
25...	0930	16.06	MAY		
NOV			22...	0846	8.34
27...	1005	14.42	JUN		
DEC			26...	0846	8.17
19...	0915	13.73	JUL		
JAN			26...	0904	18.41
29...	1340	11.41	AUG		
FEB			24...	0945	18.01
23...	0905	12.05			
MAR					
22...	1335	9.59			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262755082090902. Local Number L 5734.

LOCATION.--Lat 26°27'56", long 82°09'09", in NW ¼ SW ¼ NW ¼ sec.18, T.46 S., R.22 E., Hydrologic Unit 03100103, 200 ft south of Sanibel-Captiva Road and 40 ft east of Bowman's Beach Road.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 608 ft, cased to 440 ft, open hole 440 to 608 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage or chalked tape.

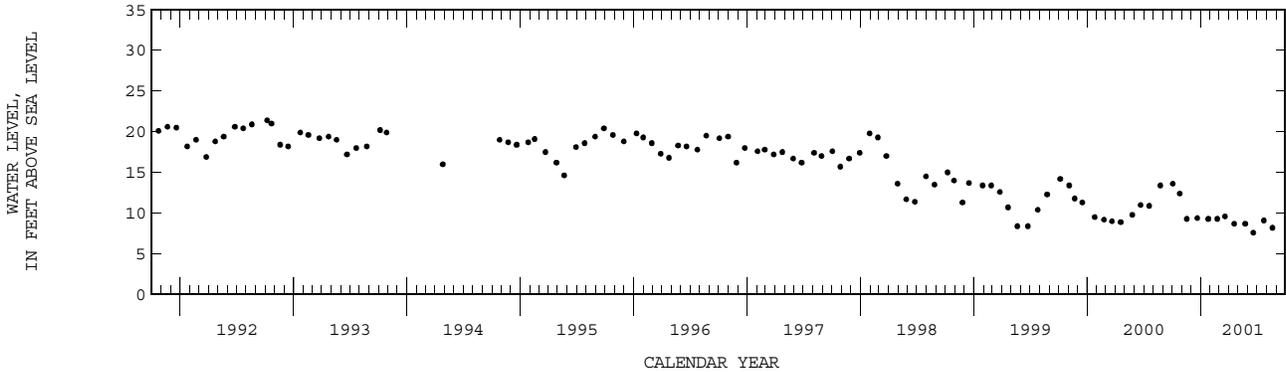
DATUM.--Land-surface datum is 4.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 0.37 ft above land-surface datum.

PERIOD OF RECORD.--October 1989 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.40 ft NGVD, Oct. 7, 1992; lowest, 17.17 ft below NGVD, Mar. 20, 1991.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1037	13.60	19...	0910	8.70
25...	1038	12.40	MAY		
NOV			24...	0940	8.70
17...	1222	9.30	JUN		
DEC			19...	1035	7.60
21...	1104	9.40	JUL		
JAN			23...	1045	9.10
25...	0908	9.30	AUG		
FEB			20...	0933	8.20
23...	1205	9.30			
MAR					
20...	1055	9.60			



LEE COUNTY--Continued

WELL NUMBER.--262831081575901. Local Number L 2212.

LOCATION.--Lat 26°28'33", long 81°58'01", in NW ¼ NW ¼ sec.13, T.46 S., R.23 E., Hydrologic Unit 03090205, at Bunch Beach, 400 ft east of John Morris Road at San Carlos Bay, 1.2 mi south of Summerlin Road, 2 mi northwest of Ft. Myers Beach Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 236 ft, cased to 135 ft, open hole 135 to 236 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage or chalked tape.

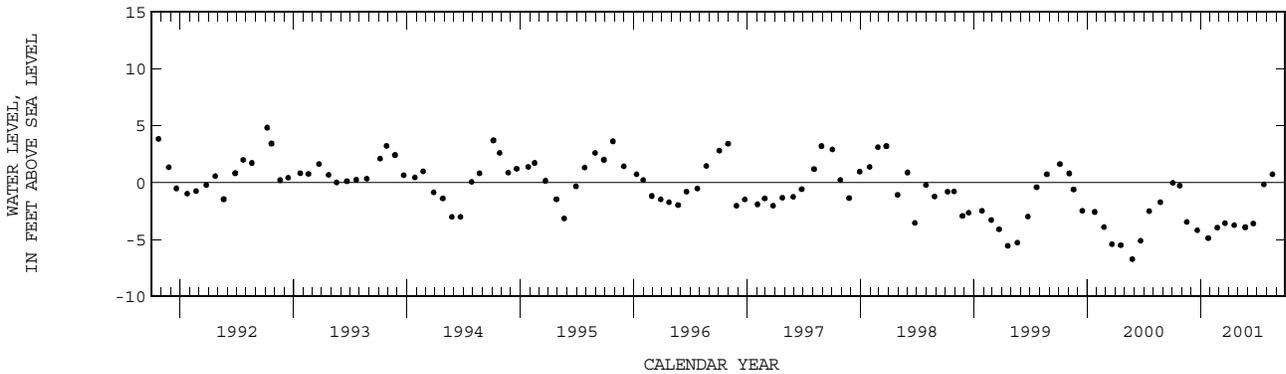
DATUM.--Land-surface datum is 1.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. steel cap, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--February 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft NGVD, Aug. 30, 1989; lowest, 6.72 ft below NGVD, May 25, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1154	-0.03	19...	1014	-3.74
25...	1140	-0.27	MAY		
NOV			24...	1057	-3.92
17...	1340	-3.46	JUN		
DEC			19...	1157	-3.60
21...	1206	-4.18	JUL		
JAN			23...	1154	-0.16
25...	1022	-4.87	AUG		
FEB			20...	1037	.72
23...	1345	-3.95			
MAR					
20...	1221	-3.56			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262839081503100. Local Number L 735.

LOCATION.--Lat 26°28'40", long 81°50'31", in NE ¼ NE ¼ sec.18, T.46 S., R.25 E., Hydrologic Unit 03090204, 13 ft south of Park Road, 0.2 mi west of US 41, and 1.5 mi northwest of Estero Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 270 ft, cased to 223 ft, open hole 223 to 270 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 4.22 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 3.10 ft above land-surface datum. See REMARKS.

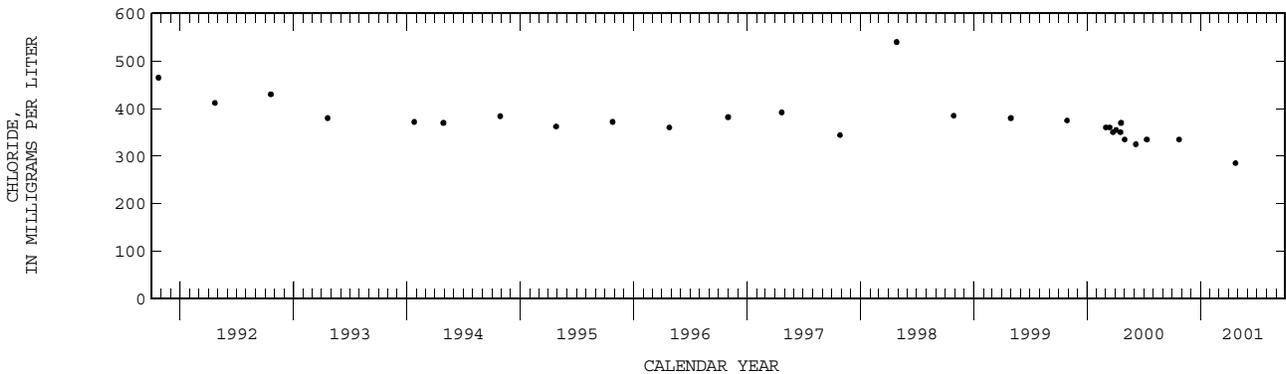
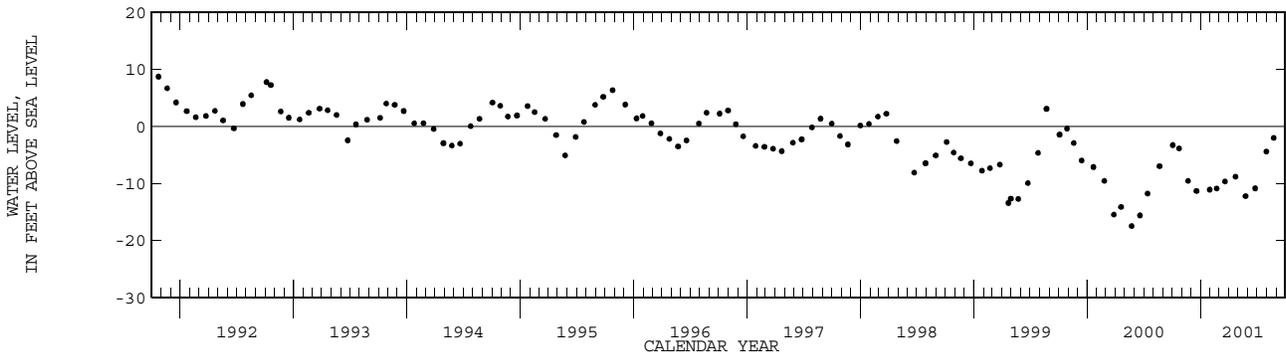
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--August 1968 to November 1974 (bimonthly), December 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.4 ft NGVD, Oct. 31, 1969; lowest, 17.51 ft below NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 03...	1210	--	--	-3.28	APR 23...	1505	1450	285	-8.83
23...	1520	1440	335	-3.88	MAY 25...	0757	--	--	-12.24
NOV 21...	1530	--	--	-9.58	JUN 25...	0946	--	--	-10.87
DEC 18...	1700	--	--	-11.33	JUL 31...	1056	--	--	-4.42
JAN 30...	1200	--	--	-11.10	AUG 24...	1450	--	--	-2.02
FEB 21...	1620	--	--	-10.92					
MAR 20...	1630	--	--	-9.66					



LEE COUNTY--Continued

WELL NUMBER.--262934081495801. Local Number L 5649.

LOCATION.--Lat 26°29'35", long 81°47'14", in NE ¼ NE ¼ NE ¼ sec.10, T.46 S., R.25 E., Hydrologic Unit 03090204, on the north side of Alico Road, 0.3 mi east of I-75, and 12 mi southeast of Ft. Myers Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 128 ft, cased to 118 ft, screened 118 to 128 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

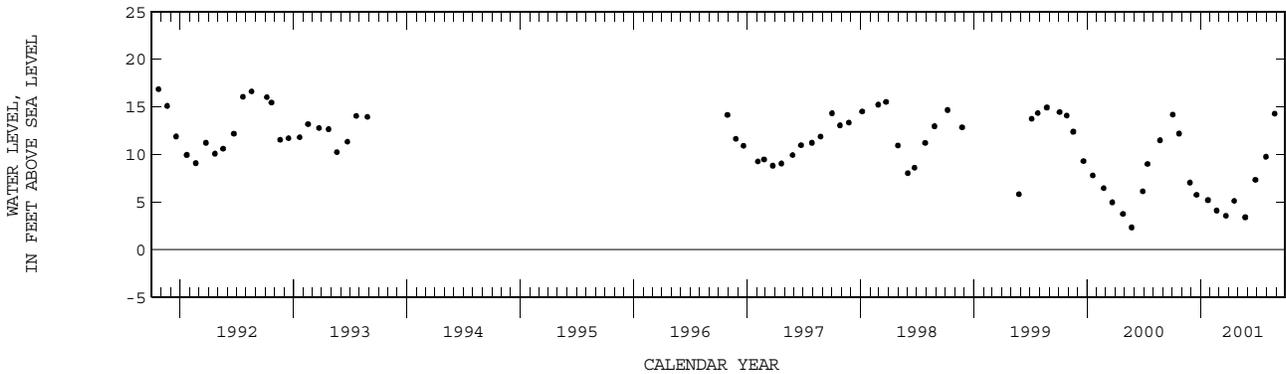
DATUM.--Land-surface datum is 21.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 4.09 ft above land-surface datum.

PERIOD OF RECORD.--October 1982 to September 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.41 ft NGVD, Sept. 12, 13, 1986; lowest water level measured, 2.32 ft NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0830	14.20	19...	0815	5.11
23...	1500	12.20	MAY		
NOV			24...	1205	3.39
27...	0910	7.04	JUN		
DEC			26...	1401	7.34
18...	0900	5.75	JUL		
JAN			30...	1225	9.76
24...	0900	5.20	AUG		
FEB			27...	1105	14.30
21...	0845	4.10			
MAR					
23...	1250	3.55			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--262944081560801. Local Number L 2529.

LOCATION.--Lat 26°29'15", long 81°56'24", in SW ¼ NE ¼ sec.7, T.46 S., R.24 E., Hydrologic Unit 03090204, on south side of Pine Ridge Road, 0.25 mi east of SR-865, and 2.6 mi north of Ft. Myers Beach Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 545 ft, cased to 304 ft, open hole 304 to 545 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of meter box, 0.21 ft above land-surface datum.

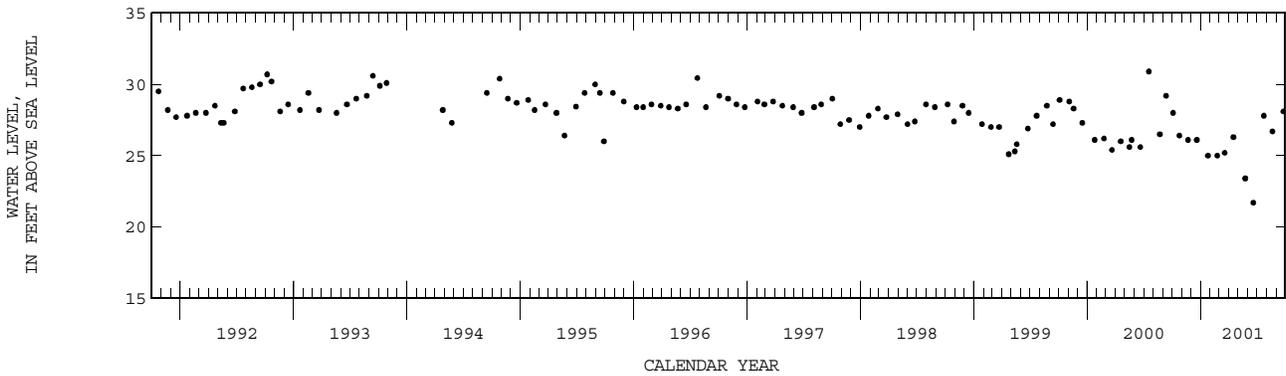
REMARKS.--Records of water levels prior to October 1980 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1978 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.0 ft NGVD, Nov. 30, 1981; lowest, 23.4 ft NGVD, May 30, 1986, May 24, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1645	28.00	16...	1500	26.30
24...	1612	26.40	MAY		
NOV			24...	1110	23.40
21...	1449	26.10	JUN		
DEC			19...	1210	21.70
19...	1404	26.10	JUL		
JAN			23...	1254	27.80
24...	1319	25.00	AUG		
FEB			20...	1116	26.70
23...	1428	25.00	SEP		
MAR			24...	1032	28.10
19...	1432	25.20			



LEE COUNTY--Continued

WELL NUMBER.--263004082111701. Local Number L 2315.

LOCATION.--Lat 26°29'58", long 82°11'16", in SE ¼ NE ¼ sec.3, T.46 S., R.21 E., Hydrologic Unit 03100103, 25 ft north of private drive, 125 ft west of Sanibel-Captiva Road, 1.1 mi north of Blind Pass bridge and 1.8 mi south of Captiva.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 600 ft, cased to 535 ft, open hole 535 to 600 ft. (Corrected).

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 7.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in. plug, 1.80 ft above land-surface datum.

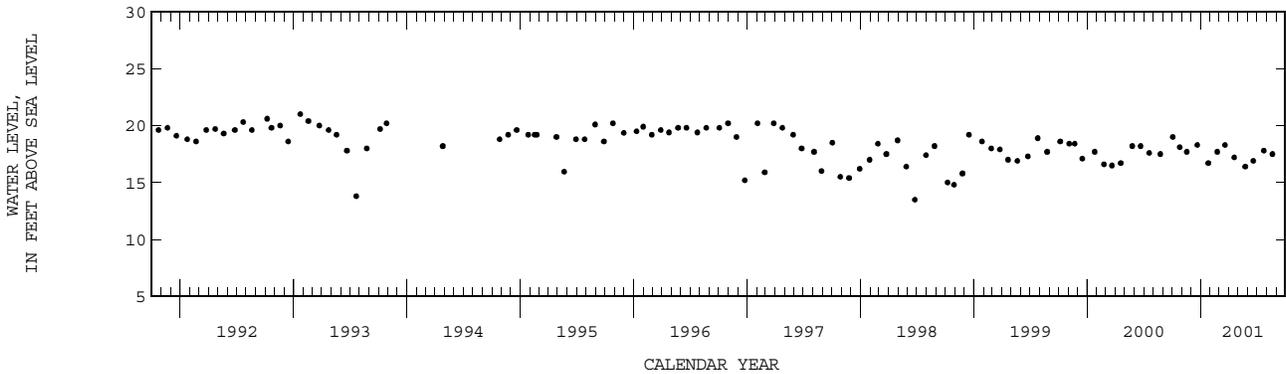
REMARKS.--Landowner uses well for irrigation. Corrected well depth previously listed as 596 ft.

PERIOD OF RECORD.--March 1987 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.8 ft NGVD, Aug. 30, 1989; lowest, 13.5 ft NGVD, June 25, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1045	19.00	19...	0920	17.20
25...	1046	18.10	MAY		
NOV			24...	0958	16.40
17...	1232	17.70	JUN		
DEC			19...	1105	16.90
21...	1113	18.30	JUL		
JAN			23...	1056	17.80
25...	0920	16.70	AUG		
FEB			20...	0940	17.50
23...	1215	17.70			
MAR					
20...	1107	18.30			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263041081433101. Local Number L 1983.

LOCATION.--Lat 26°30'42", long 81°43'29", in SW 1/4 SW 1/4 SW 1/4 sec.33, T.45 S., R.26 E., Hydrologic Unit 03090204, 1.25 mi north of Alico Road, 1.85 mi east of Airport Haul Road, 2.5 mi west of I-75 and 7.2 mi northeast of Estero Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 345 ft, cased to 321 ft, open hole 321 to 345 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 2.32 ft above land-surface datum.

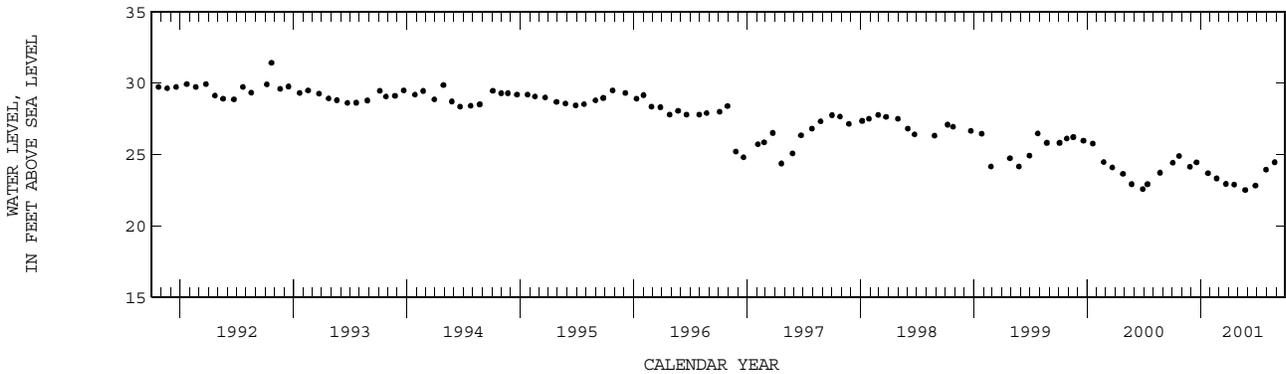
REMARKS.--Records of water levels prior to October 1975 are available in files of the Geological Survey.

PERIOD OF RECORD.--December 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.1 ft NGVD, Oct. 29, 1975; lowest, 22.51 ft NGVD, May 24, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0815	24.42	19...	0750	22.89
23...	1430	24.89	MAY		
NOV			24...	1151	22.51
27...	0850	24.14	JUN		
DEC			26...	1328	22.81
18...	0845	24.44	JUL		
JAN			30...	1145	23.94
24...	0835	23.68	AUG		
FEB			27...	1036	24.46
21...	0830	23.32			
MAR					
23...	1220	22.94			



LEE COUNTY--Continued

WELL NUMBER.--263041081433102. Local Number L 1998.

LOCATION.--Lat 26°30'42", long 81°43'29", in SW ¼ SW ¼ SW ¼ sec.33, T.45 S., R.26 E., Hydrologic Unit 03090204, 1.25 mi north of Alico Road, 1.85 mi east of Airport Haul Road, 2.5 mi west of I-75, and 7.2 mi northeast of Estero Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 112 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft, cased to 100 ft, open hole 100 to 160 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer.

DATUM.--Land-surface datum is 26.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.54 ft above land-surface datum. Prior to March 2001, measuring point was 2.61 ft above land-surface datum. See REMARKS.

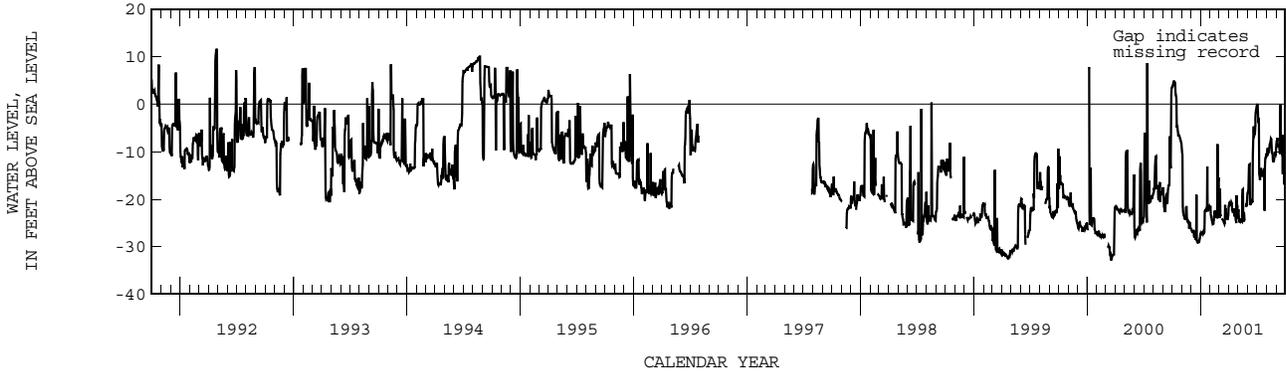
REMARKS.--In March 2001, the well was reconstructed and resurveyed. Height of the measuring point above land-surface datum has been adjusted accordingly. The figures of water levels as elevation prior to March 2001 have not been affected by this change. See DATUM. Water levels affected by pumping of nearby wells. Revised water levels for 1997 water year are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--November 1974 to September 1996 (daily), October 1996 to June 1997 (monthly), July 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.98 ft NGVD, Dec. 12, 1975; lowest, 32.88 ft below NGVD, Mar. 18, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.68	-22.66	-26.86	-27.17	-24.31	-23.00	-21.01	-24.69	-12.78	-3.50	-10.63	-8.59
10	4.59	-23.97	-27.63	-27.16	-25.31	-24.05	-20.79	-24.38	-20.96	-15.74	-9.01	-8.55
15	-4.15	-21.63	-28.26	-22.22	-22.43	-24.60	-22.72	-17.96	-20.52	-14.09	-7.13	---
20	-6.77	-24.54	-28.76	-22.00	-23.94	-21.23	-23.43	-23.60	-4.65	-14.44	-10.52	-10.07
25	-7.11	-25.77	-28.73	-22.02	-15.81	-23.61	-25.03	---	-4.48	-22.45	-11.43	-14.74
EOM	-8.59	-26.20	-27.25	-21.54	-16.19	-21.65	-23.00	-18.79	-.47	-10.45	-9.33	-14.30
MAX	4.85	-9.44	-19.07	-13.09	-8.44	-17.73	-19.24	-17.87	-.47	.06	-7.13	.00



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263041081433103. Local Number L 1999.

LOCATION.--Lat 26°30'42", long 81°43'29", in SW ¼ SW ¼ SW ¼ sec.33, T.45 S., R.26 E., Hydrologic Unit 03090204, 1.25 mi north of Alico Road, 1.85 mi east of Airport Haul Road, 2.5 mi west of I-75 and 7.2 mi northeast of Estero Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 26 ft, cased to 16 ft, open hole 16 to 26 ft.

INSTRUMENTATION.--Satellite data collection platform. Monthly measurement with chalked tape prior to March 2001.

DATUM.--Land-surface datum is 27.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.90 ft above land-surface datum. Prior to March 2001, land-surface datum was 26.60 ft above National Geodetic Vertical Datum of 1929 and measuring point was 3.32 ft above land-surface datum. See REMARKS.

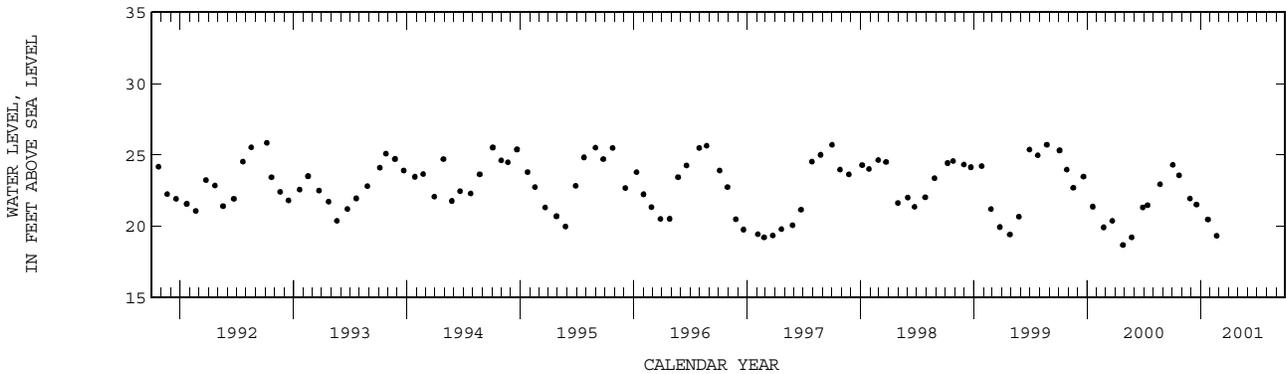
REMARKS.--In March 2001, the well was reconstructed and resurveyed. Height of the land-surface datum and the measuring point above land-surface datum has been adjusted accordingly. The figures of water-levels as elevation, prior to March 2001, have not been affected by this change. Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--November 1974 to February 2001, March 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.85 ft NGVD, Oct. 6, 1992; lowest daily maximum water level, 17.94 ft NGVD, May 17, 2001.

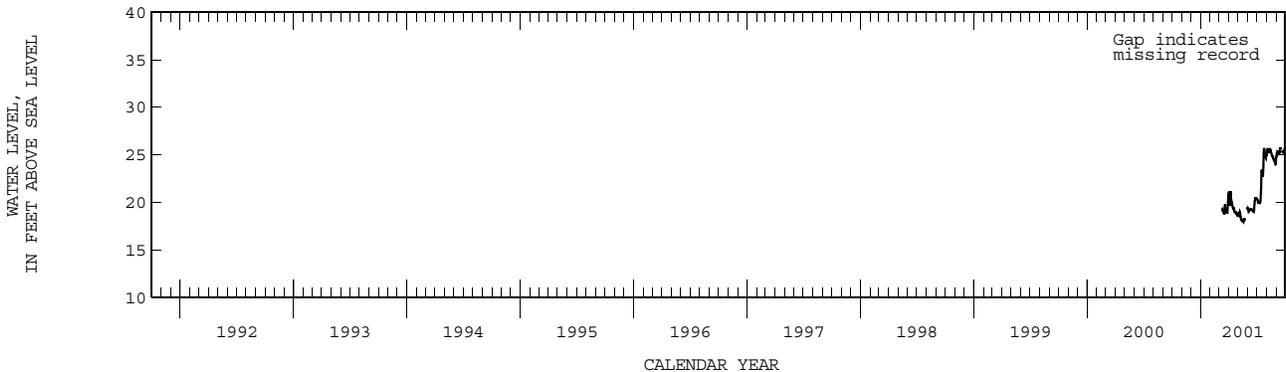
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			JAN		
03...	0810	24.30	24...	0830	20.47
23...	1420	23.56	FEB		
NOV			21...	0825	19.32
27...	0845	21.94			
DEC					
18...	0835	21.52			



ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	20.38	18.87	19.03	20.08	25.42	25.21
10	---	---	---	---	---	19.24	20.14	18.21	19.27	19.82	25.67	25.45
15	---	---	---	---	---	18.91	19.31	17.99	19.20	23.34	25.29	---
20	---	---	---	---	---	19.79	18.97	18.35	19.01	22.96	24.87	25.35
25	---	---	---	---	---	19.05	18.94	---	20.36	25.26	24.40	25.40
EOM	---	---	---	---	---	21.01	18.65	19.41	20.41	24.89	24.81	25.48
MAX	---	---	---	---	---	21.01	21.13	19.41	20.42	25.60	25.67	25.70



LEE COUNTY--Continued

WELL NUMBER.--263115081483501. Local Number L 5641.

LOCATION.--Lat 26°31'14", long 81°48'34", in NW ¼ SE ¼ NE ¼ sec.33, T.45 S., R.25 E., Hydrologic Unit 03090204, at golf course in Fiddlesticks Country Club, 0.75 mi west of I 75 on Daniels Road and 1.5 mi south on Palomino Street to gate house, 0.25 mi west on Fiddlesticks Boulevard to Cannongate Drive, 0.1 mi south to Tweedale Circle. Golf cart path is behind lot 300.

AQUIFER.--Upper Floridan aquifer of the Oligocene Age, Geologic Unit 120 UFAQ.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 1410 ft, cased to 950 ft, open hole 950 to 1410 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

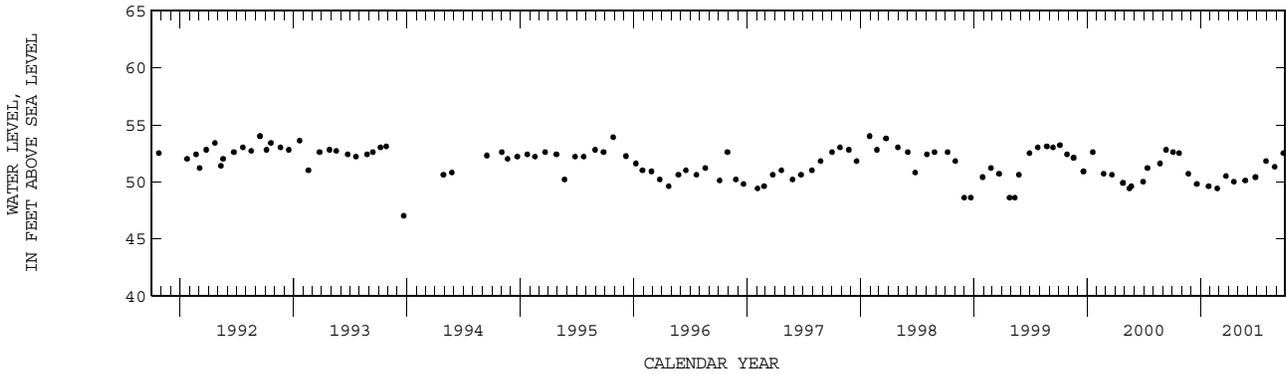
DATUM.--Land-surface datum is 26.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. coupling, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--May 1984 to October 1991 (semiannual), January 1992 to October 1993 (monthly), December 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.0 ft NGVD, Sept. 14, 1992 and Jan. 30, 1998; lowest, 47.0 ft NGVD, Dec. 21, 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0815	52.60	18...	1705	50.00
23...	1245	52.50	MAY		
NOV			24...	1240	50.10
22...	0835	50.70	JUN		
DEC			26...	1449	50.40
19...	0915	49.80	JUL		
JAN			30...	1256	51.80
26...	0840	49.60	AUG		
FEB			27...	1145	51.30
23...	1430	49.40	SEP		
MAR			24...	0923	52.50
23...	0830	50.50			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263115081483502. Local Number L 5801.

LOCATION.--Lat 26°31'14", long 81°48'34", NW ¼ SE ¼ NE ¼ in sec.33, T.45 S., R.25 E., Hydrologic Unit 03090204, at golf course in Fiddlesticks Country Club, 0.75 mi west of I-75 on Daniels Road and 1.5 mi south on Palomino Street to gate house, 0.25 mi west on Fiddlesticks Boulevard to Cannongate Drive, 0.1 mi south to Tweedale Circle. Golf cart path is behind lot 300.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 1 in., depth 635 ft, cased to 450 ft, open hole 450 to 635 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

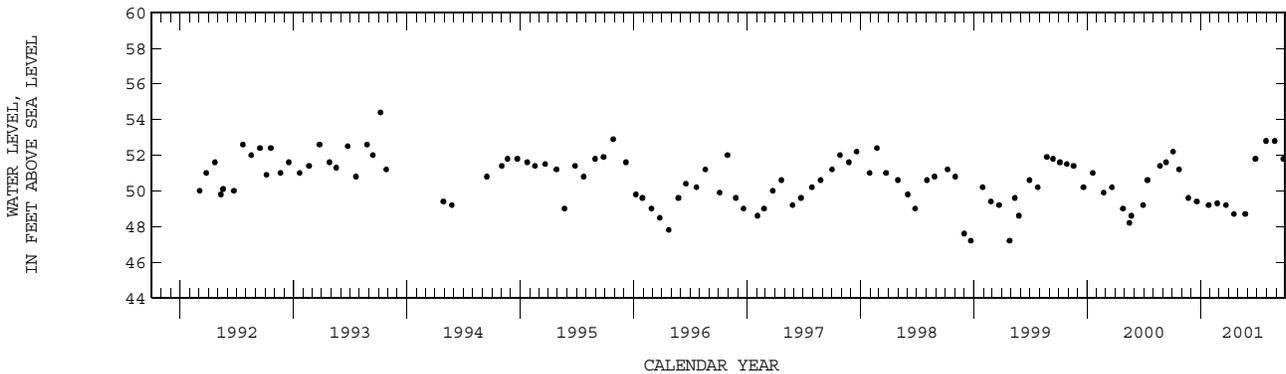
DATUM.--Land-surface datum is 26.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. coupling on well L 5641, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--March 1992 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.4 ft NGVD, Oct. 7, 1993; lowest, 47.2 ft NGVD, Dec. 22, 1998 and Apr. 26, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0810	52.20	18...	1715	48.70
23...	1240	51.20	MAY		
NOV			24...	1242	48.70
22...	0830	49.60	JUN		
DEC			26...	1448	51.80
19...	0910	49.40	JUL		
JAN			30...	1257	52.80
26...	0835	49.20	AUG		
FEB			27...	1147	52.80
23...	1435	49.30	SEP		
MAR			24...	0921	51.80
23...	0840	49.20			



LEE COUNTY--Continued

WELL NUMBER.--263117082051001. Local Number L 2525.

LOCATION.--Lat 26°31'15", long 82°05'09", in SE ¼ SW ¼ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, 32 ft west of String Fellow Road (CR-767) and 6.6 mi south of Pine Island Road and 0.9 mi north of Saint James City Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 645 ft, cased to 405 ft, open hole 405 to 645 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 2.30 ft above land-surface datum.

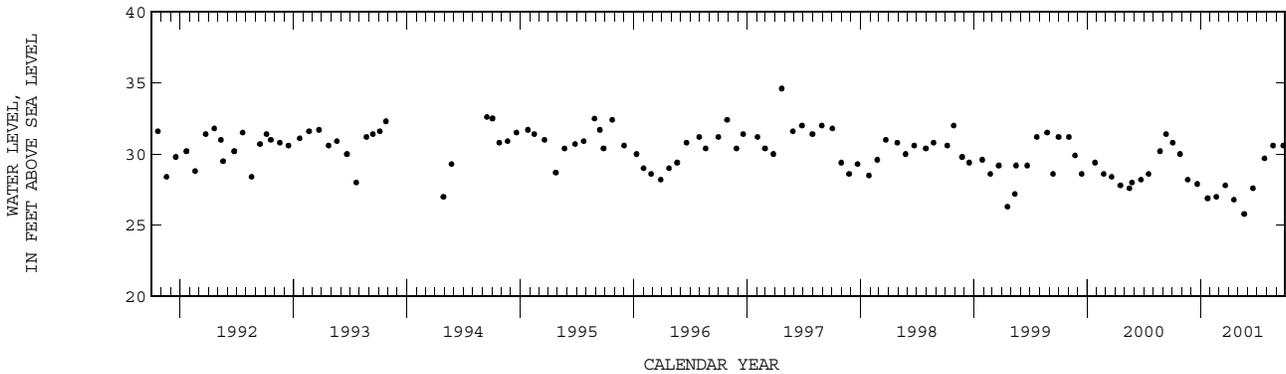
REMARKS.--Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--October 1977 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.6 ft NGVD, Apr. 22, 1997; lowest, 25.4 ft NGVD, Aug. 28, 1980.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1537	30.80	18...	0902	26.80
26...	0830	30.00	MAY		
NOV			21...	1159	25.80
20...	0819	28.20	JUN		
DEC			18...	1053	27.60
21...	1611	27.90	JUL		
JAN			25...	0926	29.70
23...	1336	26.90	AUG		
FEB			22...	1550	30.60
20...	0820	27.00	SEP		
MAR			24...	1158	30.60
21...	0907	27.80			



LEE COUNTY--Continued

WELL NUMBER.--263117082051002. Local Number L 2821.

LOCATION.--Lat 26°31'15", long 82°05'09", in SE ¼ SW ¼ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, 32 ft west of Stringfellow Road (CR-767) and 6.6 mi south of Pine Island Road and 0.9 mi north of Saint James City Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 340 ft, cased to 290 ft, open hole 290 to 340 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 3.20 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 3.95 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.60 ft above land-surface datum. See REMARKS.

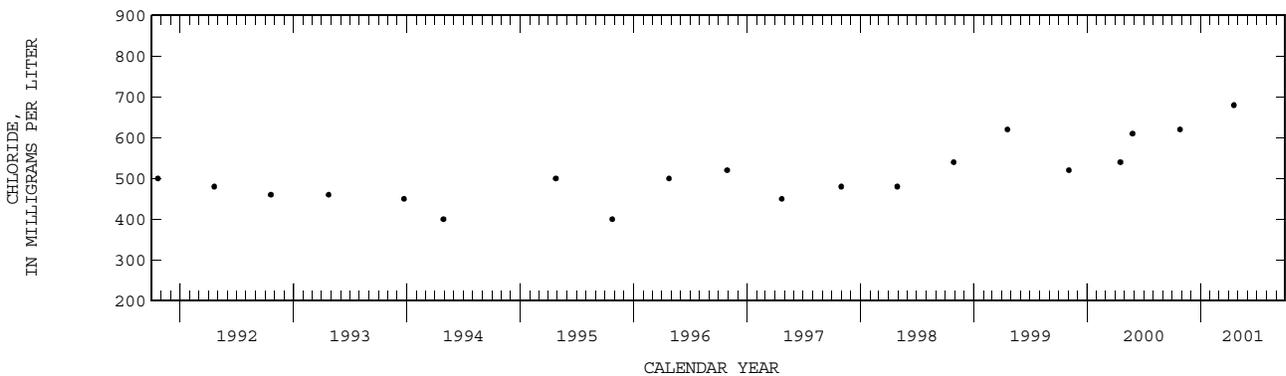
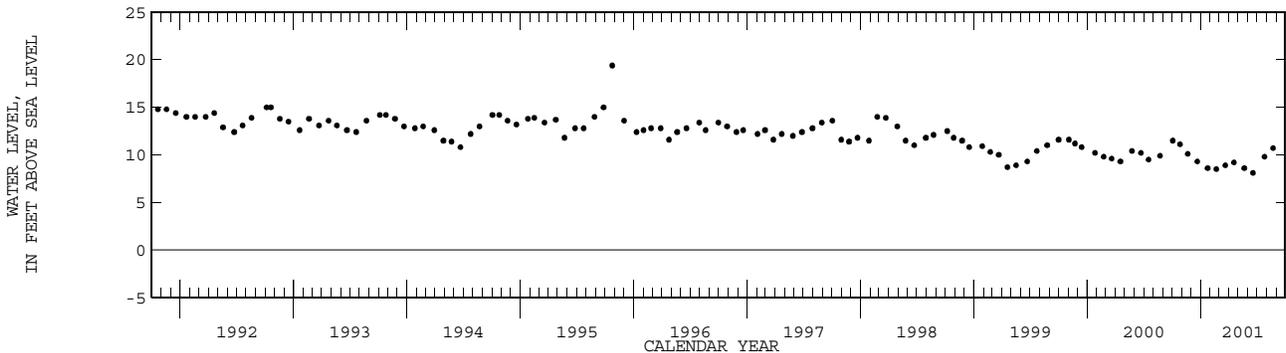
REMARKS.--Well is also used for salinity monitoring. This well is open to the aquifer for 50 ft. The exact depth from which the chloride containing water is emanating cannot be further delineated. In the 2001 water year land-surface datum and height of the measuring point, above land-surface datum were corrected based upon field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.4 ft NGVD, Oct. 24, 1995; lowest, 8.1 ft NGVD, June 18, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
03...	1539	--	--	11.50	18...	0858	2580	680	9.20
26...	0832	2610	620	11.10	MAY				
NOV					21...	1157	--	--	8.60
20...	0821	--	--	10.10	JUN				
DEC					18...	1055	--	--	8.10
21...	1608	--	--	9.30	JUL				
JAN					25...	0928	--	--	9.80
23...	1338	--	--	8.60	AUG				
FEB					22...	1551	--	--	10.70
20...	0823	--	--	8.50					
MAR									
21...	0905	--	--	8.90					



LEE COUNTY--Continued

WELL NUMBER.--263127081351602. Local Number L 2215.

LOCATION.--Lat 26°31'29", long 81°35'16", in NW ¼ NE ¼ sec.35, T.45 S., R.27 E., Hydrologic Unit 03090205, 66 ft east of Eisenhower Boulevard, 68 ft north of SR 82, and 7.6 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 149 ft, cased to 99 ft, screened 99 to 149 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer.

DATUM.--Land-surface datum is 30.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.31 ft above land-surface datum.

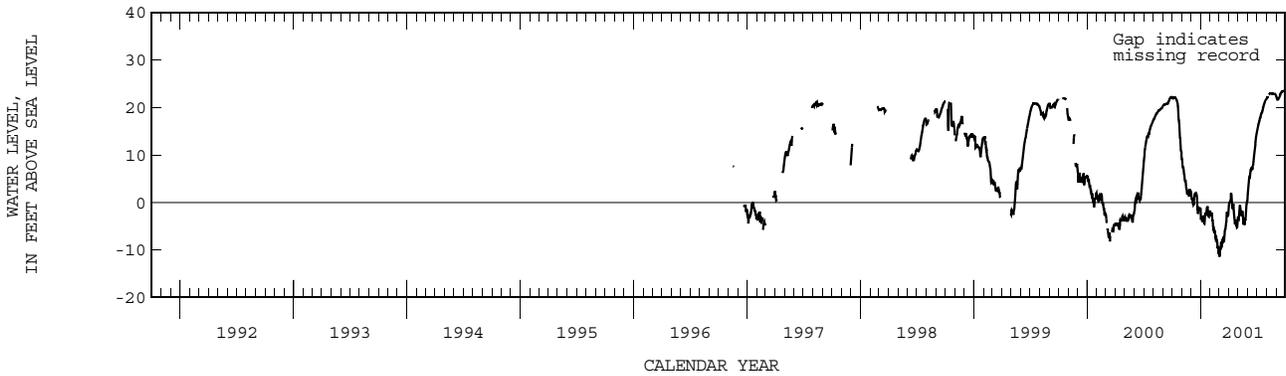
REMARKS.--In 1999 and 2000, hydrologic profiles and water quality samples were collected for a drought alert project and the well was sampled for water quality for a saltwater intrusion project.

PERIOD OF RECORD.--October 1975 to October 1996 (monthly), November 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.97 ft NGVD, Aug. 30, 1978; lowest daily maximum water level, 11.40 ft below NGVD, Mar. 2, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.00	7.41	.31	-4.04	-2.16	-9.61	.26	-1.54	4.77	16.23	22.32	21.68
10	22.17	4.93	.46	-3.32	-5.56	-8.59	1.59	-1.99	6.82	17.66	22.75	22.06
15	21.49	3.02	1.67	-2.10	-6.20	-7.35	-.53	-2.11	6.89	18.90	23.01	22.93
20	18.81	2.30	.81	-1.54	-8.17	-5.65	-3.92	-3.66	9.21	19.86	22.93	23.38
25	13.72	1.83	-1.18	-2.01	-9.32	-2.30	-4.77	-3.76	12.14	21.02	22.89	23.46
EOM	9.75	2.18	-1.28	-1.90	-10.35	-1.48	-3.25	.39	14.57	21.81	22.46	23.46
MAX	22.18	9.19	1.94	-.93	-1.93	-1.48	2.01	.39	14.57	21.81	23.01	23.57



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263138081545801. Local Number L 730.

LOCATION.--Lat 26°31'29", long 81°35'16", in NW ¼ NE ¼ sec.35, T.45 S., R.27 E., Hydrologic Unit 03090205, 21 ft east of Eisenhower Boulevard, 68 ft north of SR-82, and 7.6 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19 ft, cased to 18.7 ft, open hole 18.7 to 19 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Land-surface datum is 31.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder base, 2.37 ft above land-surface datum.

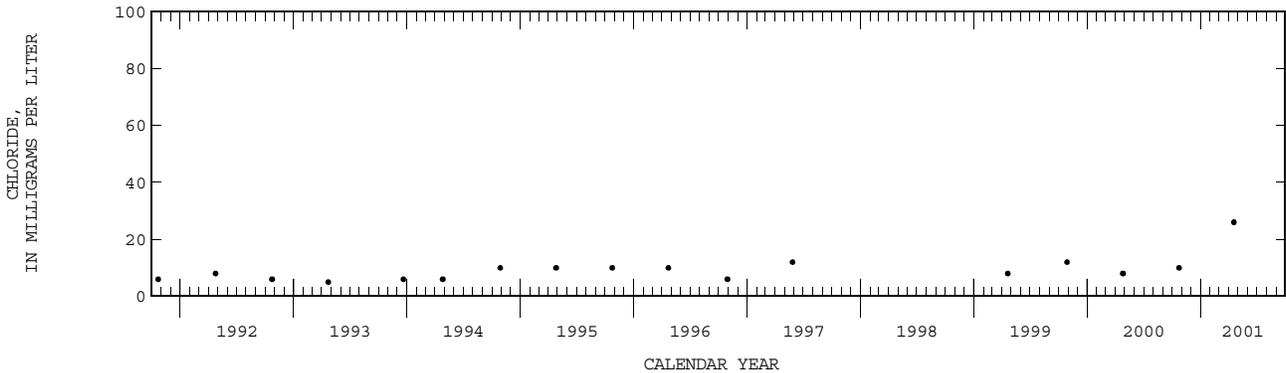
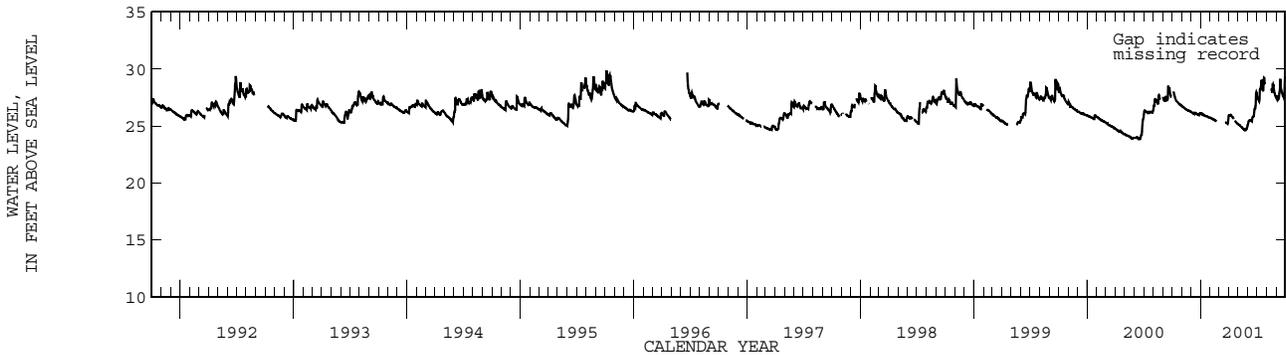
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1974 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--August 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 30.48 ft NGVD, Oct. 30, 1969; lowest, 23.87 ft NGVD, June 17, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	28.04	26.68	26.16	26.05	25.68	---	25.94	25.10	25.48	27.37	---	27.61
10	27.50	26.56	26.11	25.95	25.59	---	25.92	24.96	25.54	28.19	---	27.89
15	27.21	26.46	26.14	25.90	25.52	---	25.76	24.83	25.66	29.06	---	28.68
20	27.03	26.40	26.04	25.87	25.43	---	25.48	24.71	25.86	28.05	28.55	27.88
25	26.91	26.35	25.98	25.79	---	25.27	25.33	24.65	26.57	28.73	28.04	27.53
EOM	26.78	26.25	26.14	25.73	---	25.87	25.21	25.00	27.89	---	27.53	28.85
MAX	28.04	26.76	26.23	26.11	25.72	25.87	25.97	25.20	27.95	29.25	28.62	29.35



LEE COUNTY--Continued

WELL NUMBER.--263138082112801. Local Number L 5766.

LOCATION.--Lat 26°31'38", long 82°11'27", in NE ¼ NW ¼ SW ¼ sec.26, T.45 S., R.21 E., Hydrologic Unit 03100103, behind two storage sheds, 350 ft southwest of the South Seas Plantation Dive Shop, 0.05 mi southeast of South Seas Plantation Road, 0.18 mi northeast of Captiva Road, 0.2 mi northeast of Captiva Post Office.

AQUIFER.--Upper Floridan aquifer of the Oligocene Age, Geologic Unit 120 UFAQ.

WELL CHARACTERISTICS.--Driven, observation, artesian well, diameter 4 in., depth 730 ft, cased to 686 ft, open hole 686 to 730 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

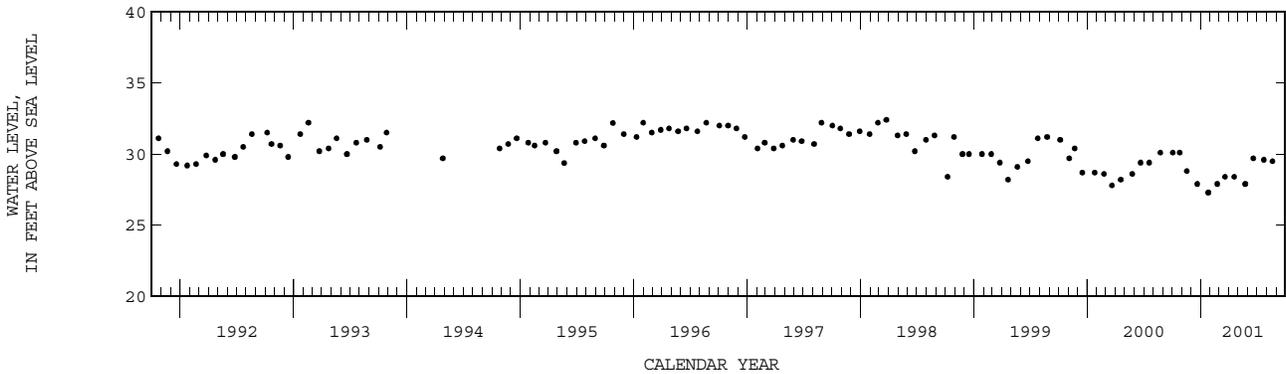
DATUM.--Land-surface datum is 5.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. by 2 in. reducer, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--April 1989 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.3 ft NGVD, Oct. 5, 1989; lowest, 27.3 ft NGVD, Jan. 25, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1058	30.10	19...	0931	28.40
25...	1059	30.10	MAY		
NOV			24...	1012	27.90
17...	1245	28.80	JUN		
DEC			19...	1114	29.70
21...	1124	27.90	JUL		
JAN			23...	1110	29.60
25...	0930	27.30	AUG		
FEB			20...	0950	29.50
23...	1230	27.90			
MAR					
20...	1120	28.40			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263233081550301. Local Number L 1598.

LOCATION.--Lat 26°32'32", long 81°55'02", in SW ¼ NW ¼ SW ¼ sec.21, T.45 S., R.24 E., Hydrologic Unit 03090205, 400 ft west of intersection of South Town and River Drive and McGregor Boulevard, 17 ft north of South Town and River Road, and 2.1 mi southeast of Cape Coral Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 176 ft, cased to 137 ft, open hole 137 to 176 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

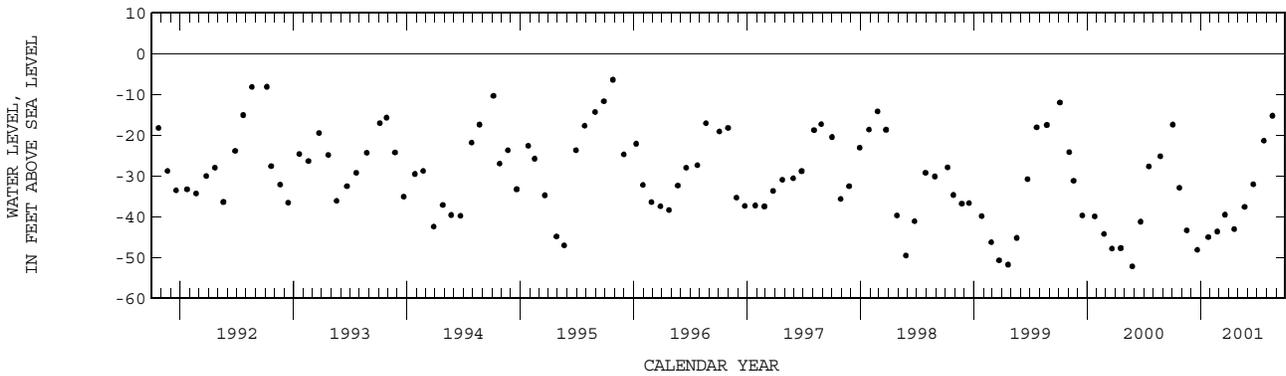
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.01 ft NGVD, Aug. 29, 1973; lowest, 52.21 ft below NGVD, May 25, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 03...	1210	-17.40	APR 19...	0718	-43.03
24...	0829	-32.93	MAY 22...	1508	-37.60
NOV 17...	1015	-43.36	JUN 19...	0829	-32.05
DEC 21...	0851	-48.15	JUL 23...	1332	-21.33
JAN 25...	1040	-45.02	AUG 20...	0753	-15.20
FEB 23...	0918	-43.65			
MAR 20...	0820	-39.51			



LEE COUNTY--Continued

WELL NUMBER.--263242081572101. Local Number L 2244.

LOCATION.--Lat 26°32'41", long 81°57'21", in NW ¼ NW ¼ SE ¼ sec.19, T.45 S., R.23 E., Hydrologic Unit 03090205, in front yard of 931 Dolphin Drive, 4.5 ft north of Dolphin Drive, 0.5 mi west of Driftwood Parkway and 1.5 mi southwest of Cape Coral Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 207 ft., cased to 150 ft, open hole 150 to 207 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.38 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.80 ft below land-surface datum.

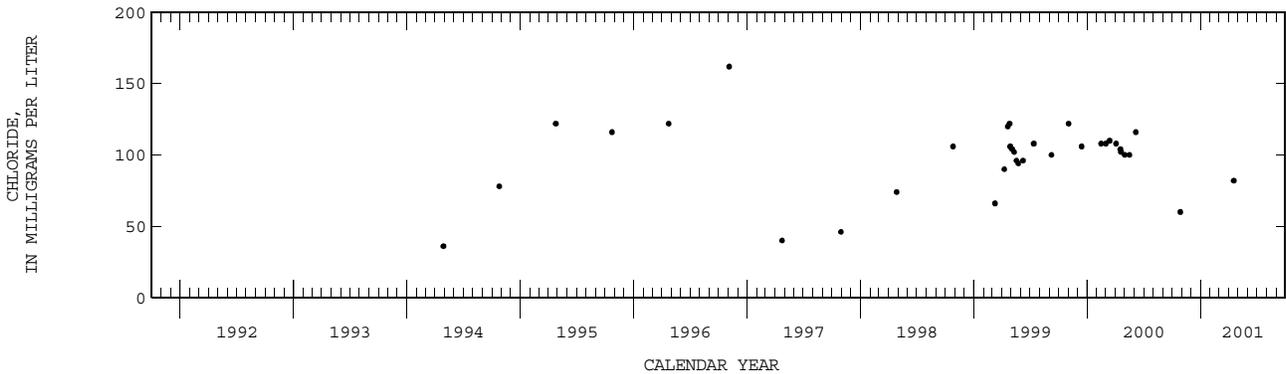
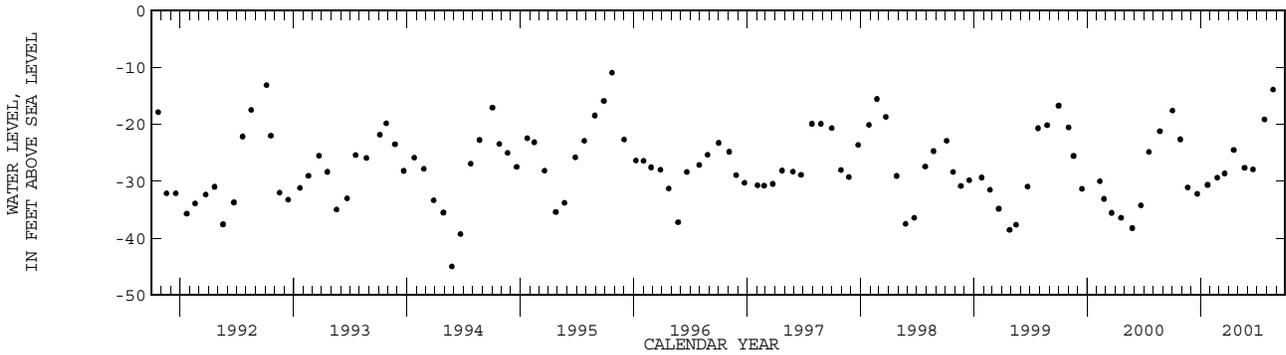
REMARKS.--Well is also used for salinity monitoring. Conductivity and chloride profiles for previous water years are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--December 1977 to April 1988 (intermittent), May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.29 ft below NGVD, Sept. 25, 1979; lowest, 44.97 ft below NGVD, May 25, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1403	--	--	-17.61	APR 17...	1442	609	82.0	-24.51
27...	1128	443	60.0	-22.65	MAY 22...	1232	--	--	-27.64
NOV 20...	1408	--	--	-31.10	JUN 18...	1606	--	--	-27.91
DEC 21...	1305	--	--	-32.21	JUL 25...	1329	--	--	-19.15
JAN 23...	0852	--	--	-30.63	AUG 22...	1235	--	--	-13.92
FEB 23...	1553	--	--	-29.39					
MAR 19...	1547	--	--	-28.63					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263249081474401. Local Number L 5648.

LOCATION.--Lat 26°32'52", long 81°47'58", in SE ¼ SW ¼ NE ¼ sec.22, T.45 S., R.24 E., Hydrologic Unit 03090204, on the north side of Daniels Road, 113 ft east of Danport Boulevard, 600 ft west of I-75, and 6.5 mi southeast of Ft. Myers Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 123 ft, cased to 118 ft, screened 118 to 123 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC threaded coupling, 2.89 ft above land-surface datum.

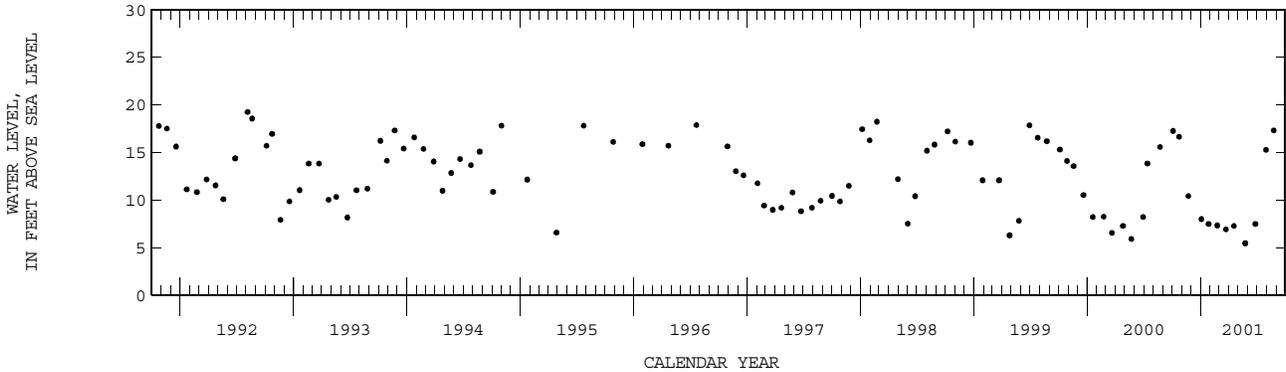
REMARKS.--Records of water levels prior to October 1983 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--June 1982 to September 1994, October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.57 ft NGVD, Sept. 28, 1983; lowest, 5.45 ft NGVD, May 24, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0750	17.27	18...	1655	7.27
23...	1220	16.66	MAY		
NOV			24...	1224	5.45
22...	0800	10.41	JUN		
JAN			26...	1423	7.48
03...	0930	7.99	JUL		
26...	0815	7.48	30...	1240	15.28
FEB			AUG		
23...	1405	7.32	24...	1727	17.33
MAR					
23...	0900	6.91			



LEE COUNTY--Continued

WELL NUMBER.--263249081474402. Local Number L 5720.

LOCATION.--Lat 26°32'52", long 81°47'58", in SW ¼ NE ¼ sec.22, T.45 S., R.24 E., Hydrologic Unit 03090204, on the north side of Daniels Road, 105 ft east of Danport Boulevard, 600 ft west of I-75, and 6.5 mi southeast of Ft. Myers Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 30 ft, cased to 20 ft, screened 20 to 30 ft, with 0.02 in. slot.

INSTRUMENTATION.--Monthly measurement with chalked tape.

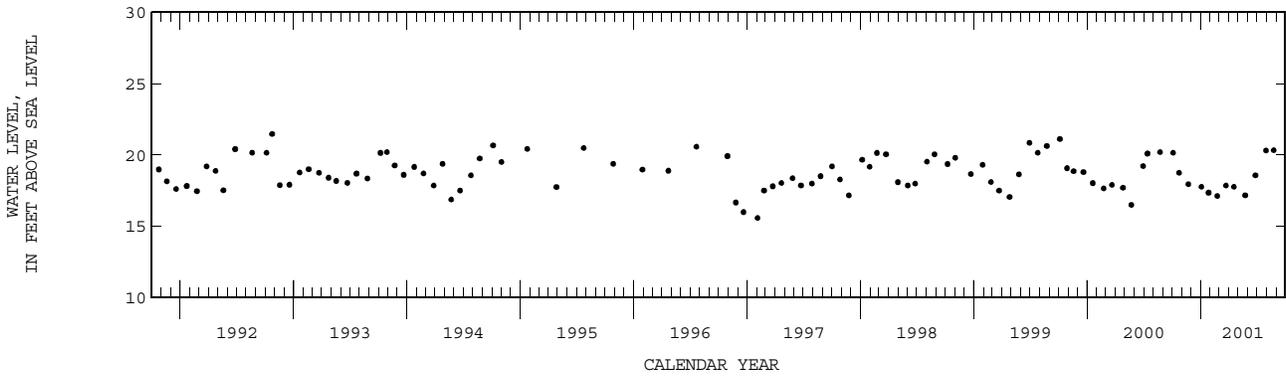
DATUM.--Land-surface datum is 21.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.28 ft above land-surface datum.

PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.47 ft NGVD, Oct. 23, 1992; lowest, 15.57 ft NGVD, Feb. 3, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0745	20.15	18...	1650	17.76
23...	1215	18.75	MAY		
NOV			24...	1217	17.17
22...	0805	17.95	JUN		
JAN			26...	1400	18.56
03...	0935	17.76	JUL		
26...	0820	17.35	30...	1238	20.31
FEB			AUG		
23...	1415	17.12	24...	1728	20.33
MAR					
23...	0905	17.85			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263251081452801. Local Number L 1993.

LOCATION.--Lat 26°32'52", long 81°45'37", in NE ¼ NE ¼ SE ¼ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 2 mi east of intersection of I-75 and Daniels Road, 0.3 mi north of airport access road on dirt road and 9.6 mi southeast of Fort Myers Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 242 ft, cased to 190 ft, open hole 190 to 242 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer. Electronic data logger prior to March 2001.

DATUM.--Land-surface datum is 24.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.42 ft above land-surface datum. (Corrected).

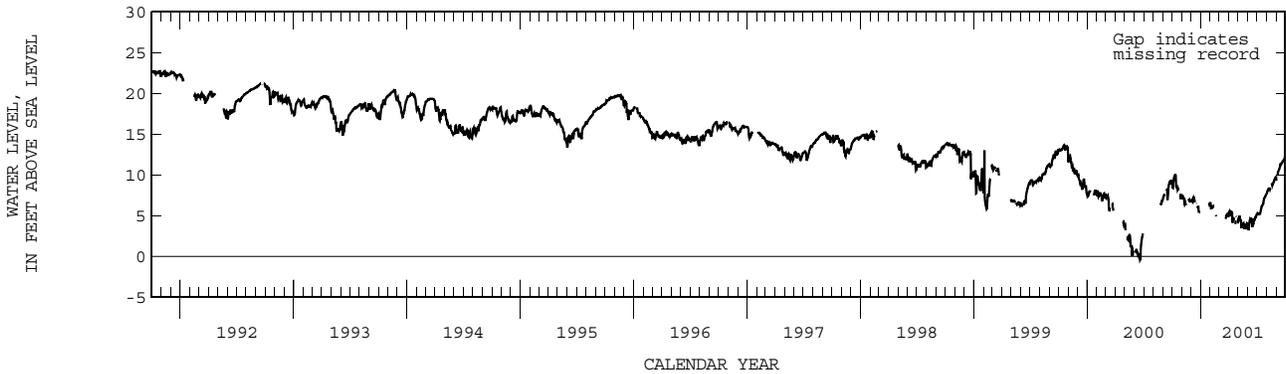
REMARKS.--Changed elevation due to installation of data collection platform.

PERIOD OF RECORD.--December 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 26.79 ft NGVD, Nov. 13, 1975 and Apr. 1-4, 1980; lowest, 0.46 ft below NGVD, June 19, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.26	7.37	6.67	---	5.84	---	5.52	4.98	3.70	5.22	8.12	10.04
10	10.02	6.75	7.28	---	6.15	---	5.43	4.45	4.61	5.23	8.35	10.75
15	8.51	---	---	---	---	---	4.58	3.94	3.58	6.08	---	11.31
20	8.22	---	---	---	---	---	---	3.92	4.24	6.41	8.80	11.55
25	7.51	6.77	5.50	---	---	4.97	4.94	3.36	4.81	7.17	9.31	11.79
EOM	7.59	6.83	---	6.57	---	5.18	4.05	4.01	5.13	7.67	9.74	12.25
MAX	10.02	7.46	7.28	6.57	6.57	5.34	5.63	4.98	5.13	7.67	9.77	12.26



LEE COUNTY--Continued

WELL NUMBER.--263251081452802. Local Number L 1994.

LOCATION.--Lat 26°32'52", long 81°45'37", in NE ¼ NE ¼ SE ¼ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 2 mi east of intersection of I-75 and Daniels Road, 0.3 mi north of airport access road on dirt road and 9.6 mi southeast of Fort Myers Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 155 ft, cased 0 to 70 ft and 100 to 125 ft, screened 70 to 100 ft, open hole 125 to 155 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer. Electronic data logger prior to March, 2001.

DATUM.--Land-surface datum is 24.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.87 ft above land-surface datum.

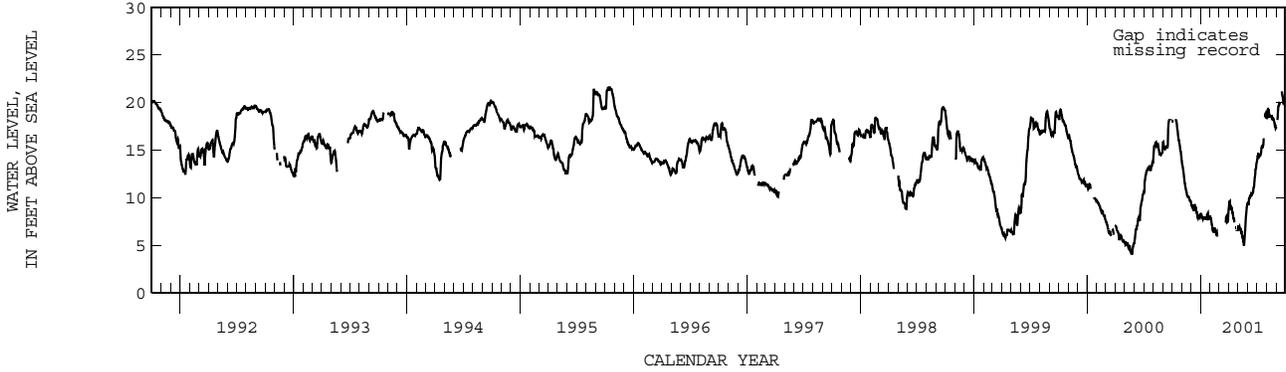
REMARKS.--Water levels reported for February-July 1975, were in error. Corrected figures of water levels and elevation are in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--December 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.15 ft NGVD, Oct. 7, 1975; lowest, 4.07 ft NGVD, May 23, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	13.00	8.92	7.86	7.16	---	9.08	6.93	9.86	14.39	19.32	18.46
10	---	11.56	8.58	7.94	6.56	---	9.00	6.38	10.08	14.40	18.45	19.98
15	17.86	10.65	8.97	7.71	6.46	---	8.06	5.95	10.46	15.20	---	---
20	16.34	10.08	8.45	7.90	6.30	---	---	4.96	11.09	15.45	18.16	20.88
25	15.45	9.85	7.87	8.07	---	7.83	---	7.24	12.65	---	18.01	19.91
EOM	14.03	9.49	8.32	8.05	---	8.79	6.48	9.42	13.69	18.39	17.34	20.65
MAX	18.28	13.86	9.24	8.36	7.74	8.79	9.64	9.42	13.69	18.85	19.36	21.20



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263251081452803. Local Number L 1995.

LOCATION.--Lat 26°32'52", long 81°45'37", in NE ¼ NE ¼ SE ¼ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 2 mi east of intersection of I-75 and Daniels Road, 0.3 mi north of airport access road on dirt road and 9.6 mi southeast of Fort Myers Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 24 ft, cased to 14 ft, screened 14 to 24 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer. Electronic data logger prior to March 2001.

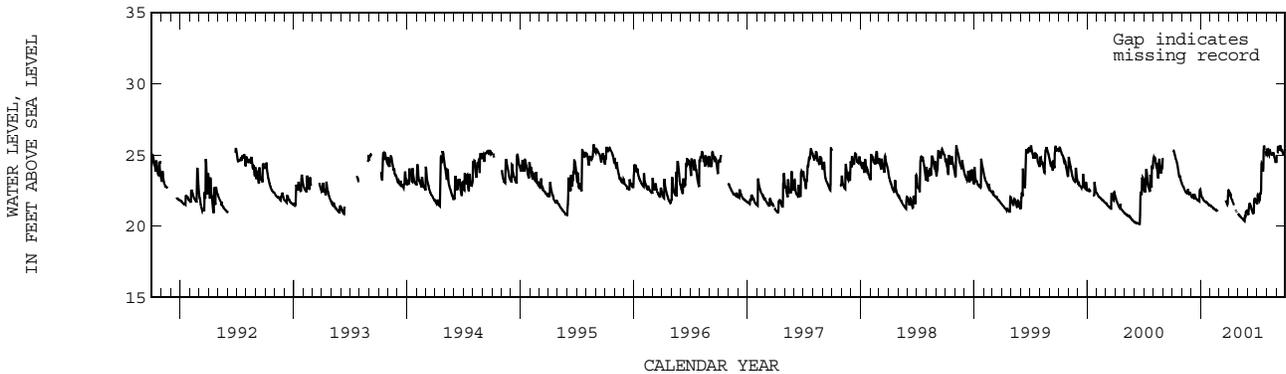
DATUM.--Land-surface datum is 24.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.93 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.75 ft NGVD, Aug. 25, 1995; lowest, 18.56 ft NGVD, Mar. 30, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.32	22.83	22.05	22.04	21.39	---	22.19	20.78	21.34	22.20	25.23	25.18
10	24.92	22.57	22.21	21.83	21.29	---	21.96	20.64	21.45	21.88	25.29	25.50
15	24.51	22.38	22.03	21.72	21.20	---	21.68	20.52	21.06	24.32	---	25.49
20	23.89	22.55	21.89	21.65	21.14	---	---	20.42	20.88	23.85	25.15	25.32
25	23.55	22.31	21.80	21.56	---	21.64	---	20.69	21.90	25.35	24.91	25.14
EOM	23.08	22.20	22.47	21.46	---	22.54	20.90	20.99	21.68	25.11	24.64	25.31
MAX	25.32	23.03	22.59	22.31	21.45	22.54	22.51	21.10	21.96	25.65	25.45	25.68



LEE COUNTY--Continued

WELL NUMBER.--263253082014201. Local Number L 2643.

LOCATION.--Lat 26°32'56", long 82°01'50", in SW ¼ SE ¼ sec.17, T.45 S., R.23 E., Hydrologic Unit 03100103, in the median of El Dorado Boulevard West, 100 ft east of Sands Boulevard, and 5.3 mi west of the Cape Coral Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 200 ft, cased to 160 ft, open hole 141 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.75 ft above land-surface datum.

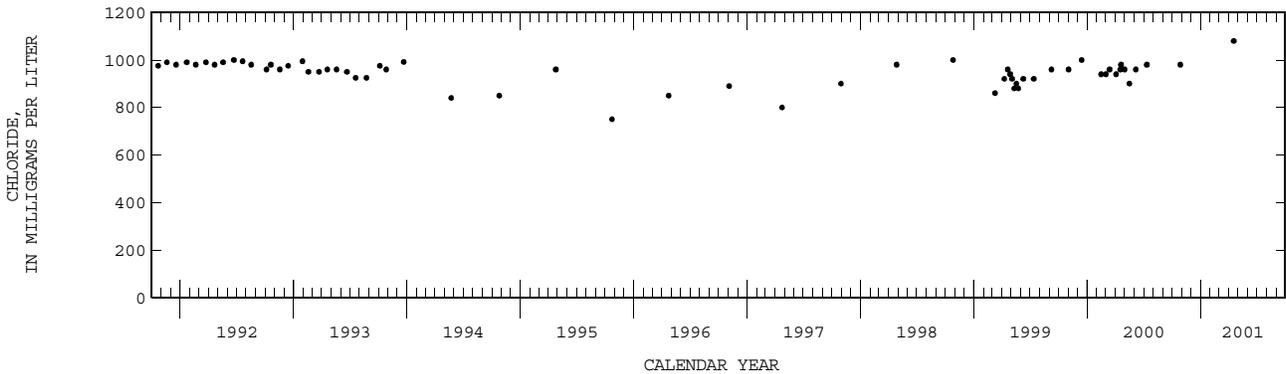
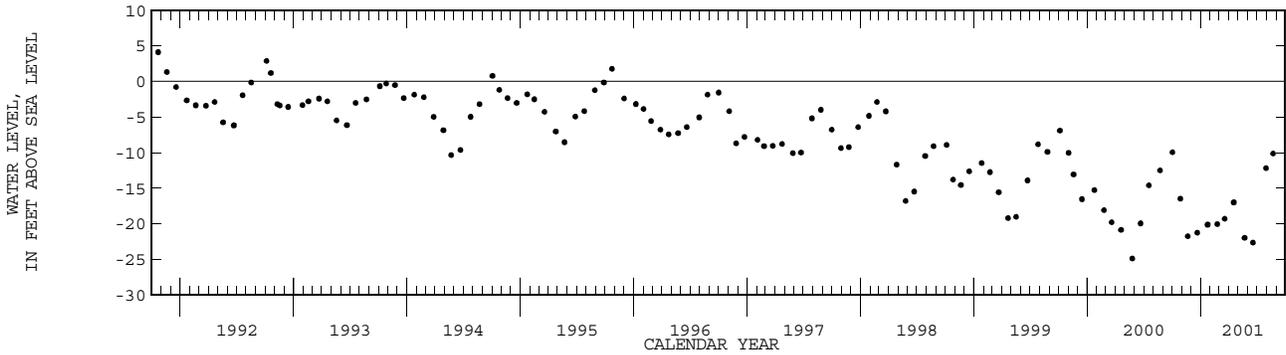
REMARKS.--Well is also used for salinity monitoring. Conductivity and chloride profiles for previous water years are available in the files of the U.S. Geological Survey. Records of water levels, prior to October 1980, are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--May 1978 to September 1979 (bimonthly), October 1979 to September 1980 (semiannual), October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.31 ft NGVD, Sept. 28, 1978; lowest, 24.86 ft below NGVD, May 25, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1343	--	--	-9.93	APR 17...	1540	3740	1080	-16.96
27...	1229	3750	980	-16.44	MAY 22...	1258	--	--	-21.94
NOV 20...	1347	--	--	-21.73	JUN 18...	1539	--	--	-22.61
DEC 21...	1330	--	--	-21.22	JUL 30...	0949	--	--	-12.18
JAN 23...	0937	--	--	-20.09	AUG 22...	1305	--	--	-10.11
FEB 23...	1621	--	--	-20.01					
MAR 19...	1635	--	--	-19.27					



LEE COUNTY--Continued

WELL NUMBER.--263257081585701. Local Number L 2642.

LOCATION.--Lat 26°32'58", long 81°58'56", in SE ¼ SW ¼ sec.14, T.45 S., R.23 E., Hydrologic Unit 03090205, in the median of Pelican Boulevard, 150 ft north of El Dorado Parkway West, 1 mi south of Cape Coral Parkway and 2.5 mi southwest of the Cape Coral Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft, cased to 108 ft, open hole 108 to 160 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

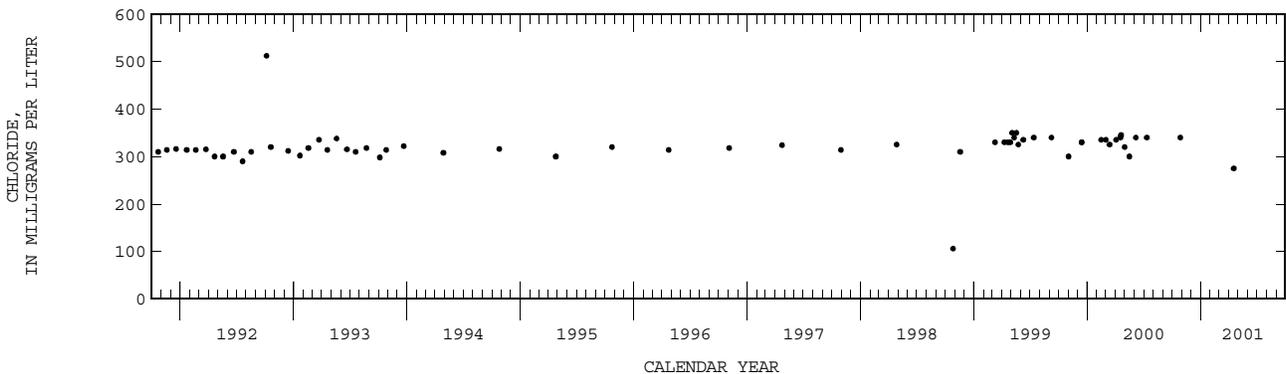
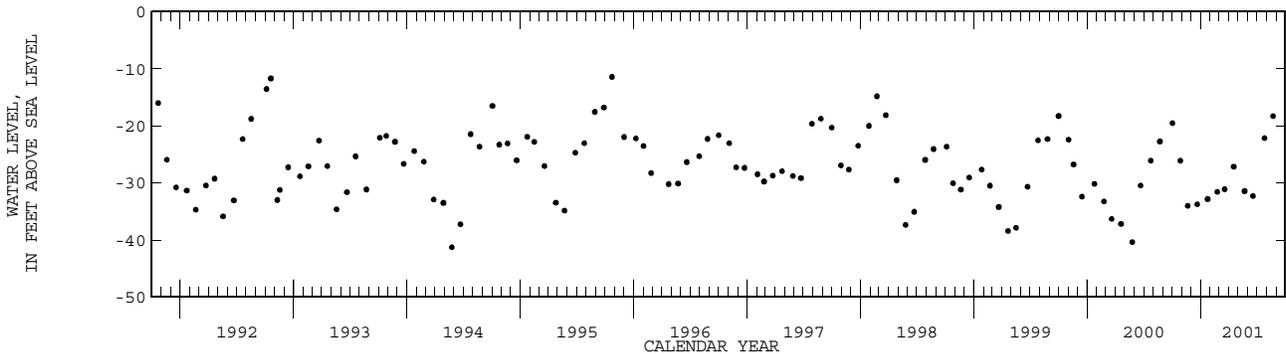
DATUM.--Land-surface datum is 5.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Well is also used for salinity monitoring. Conductivity and chloride profiles for previous water years are available in the files of the U.S. Geological Survey. Records of water level, prior to October 1980, are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--May 1978 to August 1979 (bimonthly), October 1979 to October 1980 (semiannual), January 1981 to current year. EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.14 ft below NGVD, Aug. 1, 1978; lowest, 41.32 ft below NGVD, May 25, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1353	--	--	-19.53	APR 17...	1510	1430	275	-27.17
27...	1202	1450	340	-26.12	MAY 22...	1247	--	--	-31.45
NOV 20...	1357	--	--	-34.04	JUN 18...	1550	--	--	-32.32
DEC 21...	1317	--	--	-33.77	JUL 25...	1350	--	--	-22.16
JAN 23...	0912	--	--	-32.85	AUG 22...	1249	--	--	-18.31
FEB 23...	1608	--	--	-31.60					
MAR 19...	1611	--	--	-31.12					



LEE COUNTY--Continued

WELL NUMBER.--263307081555901. Local Number L 2435.

LOCATION.--Lat 26°34'07", long 81°55'59", in NW ¼ SE ¼ sec.8, T.45 S., R.24 E., Hydrologic Unit 03090205, at intersection of 20th Place and 44th Street, 15 ft east of 20th Place, 37 ft south of 44th Street, and 0.6 mi northeast of Cape Coral Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 704 ft, cased to 352 ft, open hole 352 to 704 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. casing, 0.50 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 5.19 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 1.00 ft above land-surface datum. See REMARKS.

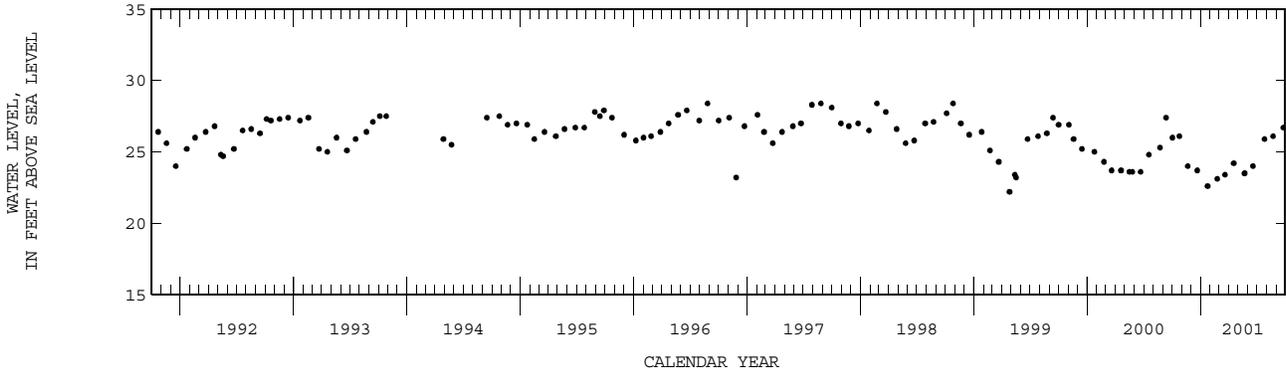
REMARKS.--Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--March 1977 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.8 ft NGVD, Sept. 27, 1979; lowest, 22.2 ft NGVD, Apr. 26, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1423	26.00	17...	1420	24.20
24...	0805	26.10	MAY		
NOV			22...	1213	23.50
20...	1432	24.00	JUN		
DEC			18...	1622	24.00
21...	0830	23.70	JUL		
JAN			25...	1314	25.90
23...	0842	22.60	AUG		
FEB			22...	1229	26.10
23...	0859	23.10	SEP		
MAR			24...	1054	26.70
20...	1317	23.40			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263323081522401. Local Number L 742.

LOCATION.--Lat 26°33'26", long 81°52'24", in SE ¼ SE ¼ sec.14, T.45 S., R.24 E., Hydrologic Unit 03090205, 175 ft north of College Parkway, 0.1 mi west of US 41, and 6.0 mi south of Fort Myers Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 225 ft, cased to 138 ft, open hole 138 to 225 ft.

INSTRUMENTATION.--Satellite data collection platform, with pressure transducer. Electronic data logger prior to March 2001. DATUM.--Land-surface datum is 10.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.15 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 9.27 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.17 ft above land-surface datum. See REMARKS.

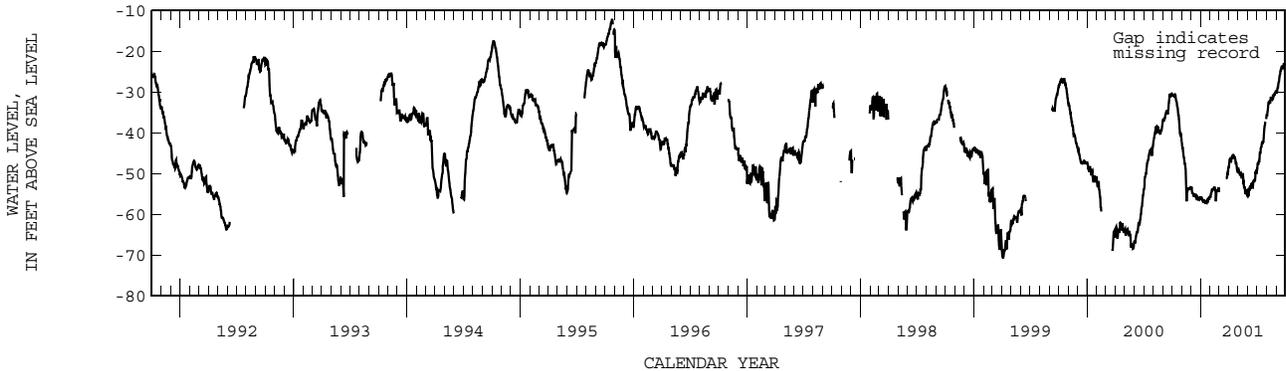
REMARKS.--Records of water levels, prior to October 1973, are available in the files of the U.S. Geological Survey. In the water year 2001, land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--October 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.02 ft NGVD, Dec. 15, 1968; lowest, 78.61 ft below NGVD, May 16, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-30.86	-44.53	-54.79	-56.37	-54.16	---	-46.49	-49.68	-54.08	-47.87	-34.41	-28.78
10	-30.84	-47.53	-55.74	-56.76	-53.74	---	-46.18	-50.26	-53.74	-44.90	-32.30	-26.63
15	-32.28	-54.31	-55.16	-57.41	-53.63	---	-46.09	-50.12	-53.28	-43.49	-31.31	-24.66
20	-35.64	-53.90	-55.48	-56.79	-54.43	---	-46.06	-52.98	-51.64	-42.16	-31.52	-23.81
25	-40.05	-53.59	-56.31	-56.42	-54.17	-51.06	-47.32	-54.39	-50.48	-38.40	-30.57	-23.03
EOM	-41.87	-53.87	-56.09	-55.66	-53.63	-48.34	-49.81	-54.91	-49.06	-35.64	-29.76	-23.37
MAX	-30.50	-42.32	-53.43	-55.66	-53.35	-48.34	-45.48	-48.91	-49.06	-35.64	-29.76	-23.03



LEE COUNTY--Continued

WELL NUMBER.--263327081512001. Local Number L 1121.

LOCATION.--Lat 26°33'28", long 81°51'19", in NE ¼ SE ¼ sec.13, T.45 S., R.23 E., Hydrologic Unit 03090205, 120 ft east of the intersection of Fordham Street and Gorham Avenue, 65 ft east of backyard fence of house at 8766 Fordham Street, and 2 mi south of Ft. Myers Post Office at Page Field.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 220 ft, cased to 147 ft, open hole 147 to 220 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

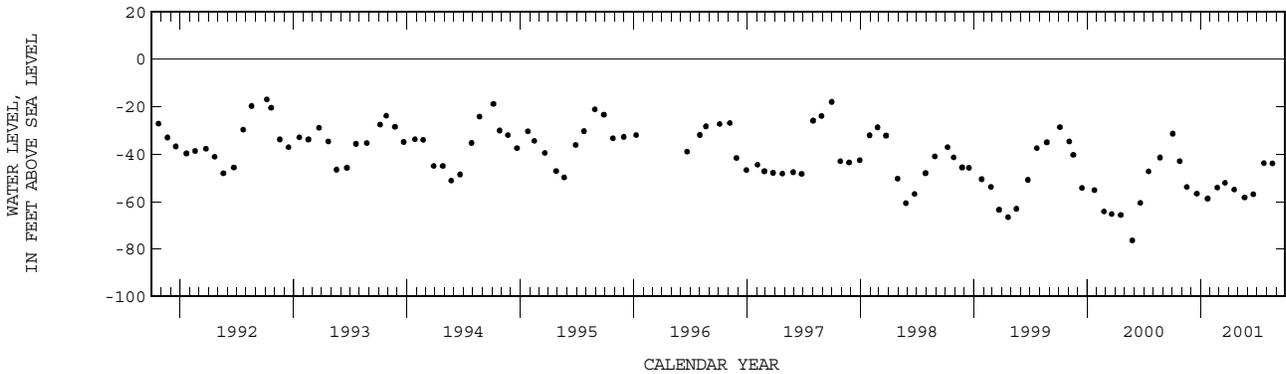
DATUM.--Land-surface datum is 15.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1970 to April 1985 (semiannual), May 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.20 ft NGVD, Oct. 20, 1970; lowest, 76.38 ft below NGVD, May 25, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1342	-31.41	19...	1223	-54.94
25...	1225	-43.04	MAY		
NOV			22...	1556	-58.29
17...	1458	-53.84	JUN		
DEC			19...	1344	-56.89
19...	1506	-56.72	JUL		
JAN			23...	1352	-43.80
23...	0729	-58.75	AUG		
FEB			20...	1208	-43.90
23...	1456	-54.16			
MAR					
20...	1341	-52.14			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263329081394301. Local Number L 2204.

LOCATION.--Lat 26°33'32", long 81°39'43", in SE ¼ SE ¼ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at southeast corner of intersection of SR-82 and Alabama Road, and 3.3 mi south of Lehigh Acres Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 26 ft, cased to 23 ft, open hole 23 to 26 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.60 ft above land-surface datum.

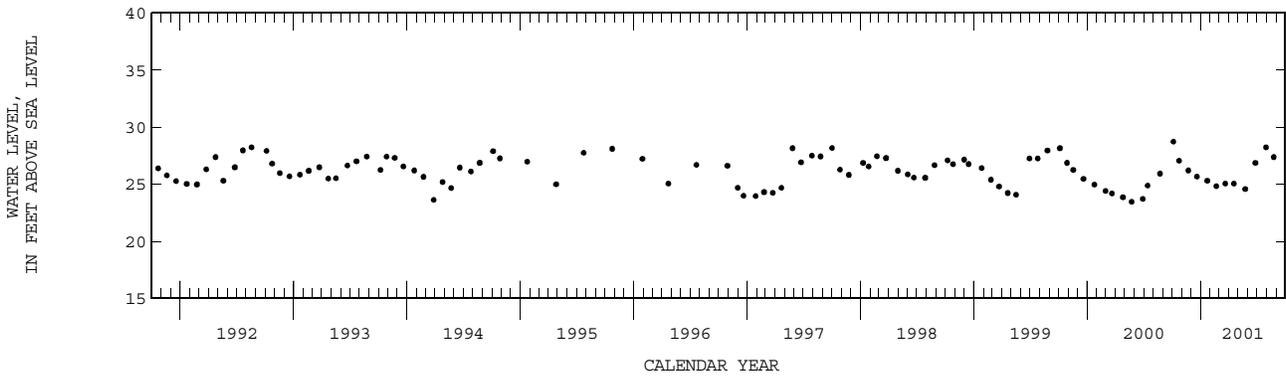
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1975 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.44 ft NGVD, Sept. 27, 1979; lowest, 18.31 ft NGVD, Nov. 25, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 05...	0910	28.72	APR 18...	1550	25.05
23...	1100	27.05	MAY 24...	0852	24.57
NOV 22...	1145	26.20	JUN 26...	1123	26.86
DEC 20...	1220	25.66	JUL 30...	1012	28.23
JAN 22...	1535	25.30	AUG 24...	1559	27.37
FEB 20...	1710	24.81			
MAR 21...	1405	25.05			



LEE COUNTY--Continued

WELL NUMBER.--263329081394302. Local Number L 1625.

LOCATION.--Lat 26°33'32", long 81°39'43", in NE ¼ SE ¼ SE ¼ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at southeast corner of intersection of SR-82 and Alabama Road, and 3.3 mi south of Lehigh Acres Post Office.

AQUIFER.--Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 218 ft, cased to 162 ft, open hole 162 to 218 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 30.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft above land-surface datum.

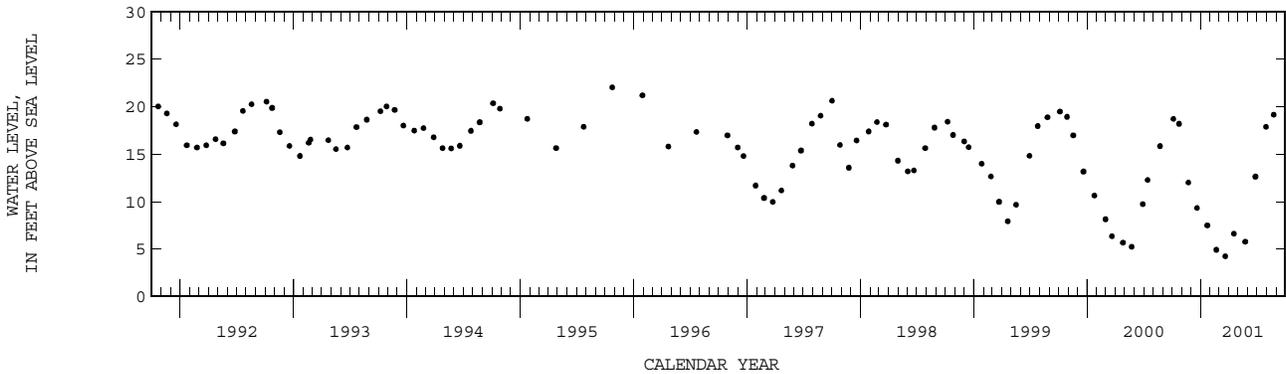
REMARKS.--Records of water levels, prior to October 1982, are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1975 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.49 ft NGVD, Nov. 25, 1985; lowest, 4.24 ft NGVD, Mar. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	0905	18.70	18...	1555	6.62
23...	1105	18.18	MAY		
NOV			24...	0848	5.77
22...	1150	12.00	JUN		
DEC			26...	1118	12.62
20...	1215	9.32	JUL		
JAN			30...	1008	17.86
22...	1540	7.49	AUG		
FEB			24...	1557	19.15
20...	1705	4.92			
MAR					
21...	1600	4.24			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263335081394301. Local Number L 729.

LOCATION.--Lat 26°33'37", long 81°39'43", in NE ¼ SE ¼ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at northwest corner of intersection of SR-82 and Alabama Road, 56 ft west of Alabama Road and 215 ft north of SR-82 and 3.2 mi south of Lehigh Acres Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 103 ft, cased to 81 ft, open hole 81 to 103 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer. An electronic data logger with a float and tape assembly was used prior to March 16, 2001.

DATUM.--Land-surface datum is 29.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.46 ft above land-surface datum.

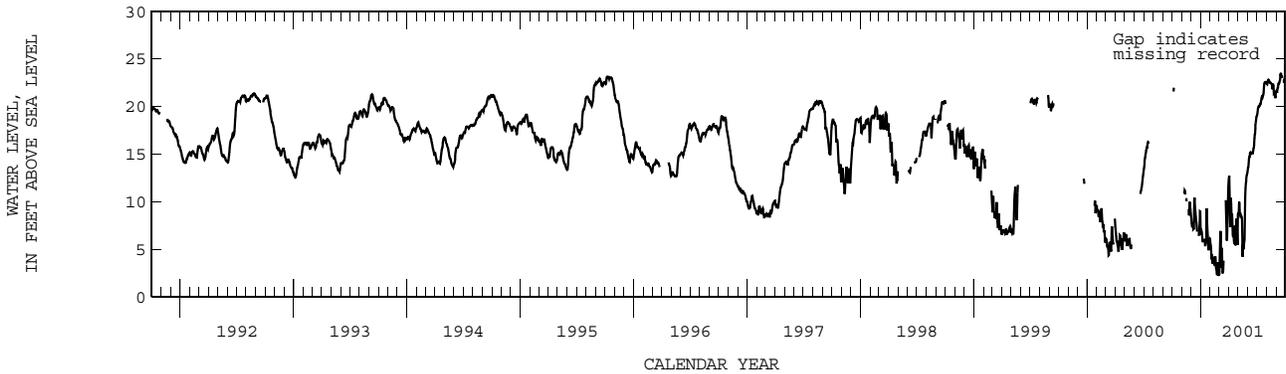
REMARKS.--Records of water levels prior to May 1977 available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--August 1968 to May 1977 (monthly), June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.46 ft NGVD, Oct. 1, 2, 1979; lowest, 2.17 ft NGVD, Feb. 25, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.59	---	7.64	6.32	4.48	6.76	7.30	9.73	14.55	19.89	22.72	22.01
10	---	11.22	7.98	---	4.23	5.14	8.53	8.44	15.20	20.20	22.56	22.50
15	---	10.37	8.77	5.43	3.25	3.78	6.30	4.17	15.17	20.84	22.49	23.45
20	---	---	6.84	9.28	2.81	---	7.18	5.31	15.63	21.15	21.99	23.18
25	---	9.65	6.41	5.19	2.17	6.03	7.92	11.37	17.70	22.51	21.44	22.64
EOM	---	8.46	7.14	5.96	2.20	12.15	8.65	13.09	18.99	22.45	21.63	---
MAX	21.99	11.22	10.41	9.28	5.54	12.15	12.72	13.09	18.99	22.60	22.85	23.48



LEE COUNTY--Continued

WELL NUMBER.--263344081361701. Local Number L 1963.

LOCATION.--Lat 26°33'45", long 81°36'16", in NW ¼ NW ¼ SE ¼ sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at northeast corner of Bell Boulevard and Milwaukee Boulevard, and 4.0 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 74 ft, cased to 68 ft, screened 68 to 74 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 31.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.41 ft above land-surface datum.

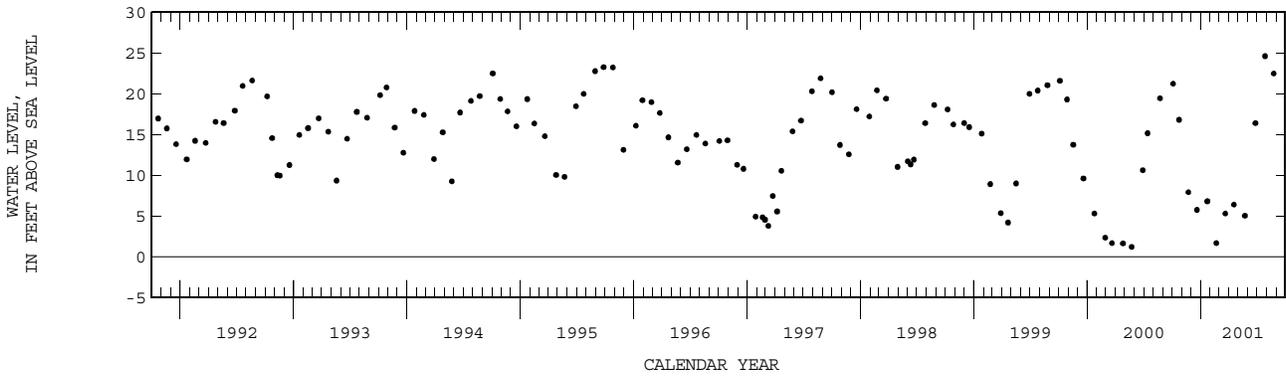
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--August 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.53 ft NGVD, Sept. 26, 1975; lowest, 1.21 ft NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1040	21.24	18...	1325	6.40
23...	0925	16.81	MAY		
NOV			23...	1601	5.03
22...	1100	7.91	JUN		
DEC			26...	0854	16.40
20...	1130	5.76	JUL		
JAN			27...	1459	24.63
22...	1445	6.81	AUG		
FEB			24...	1421	22.49
20...	1415	1.67			
MAR					
21...	1300	5.31			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263344081361702. Local Number L 1964.

LOCATION.--Lat 26°33'45", long 81°36'16", in NW 1/4 NW 1/4 SE 1/4 sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at northeast corner of Bell Boulevard and Milwaukee Boulevard, and 4.0 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 24 ft, cased to 14 ft, open hole 14 to 24 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 31.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

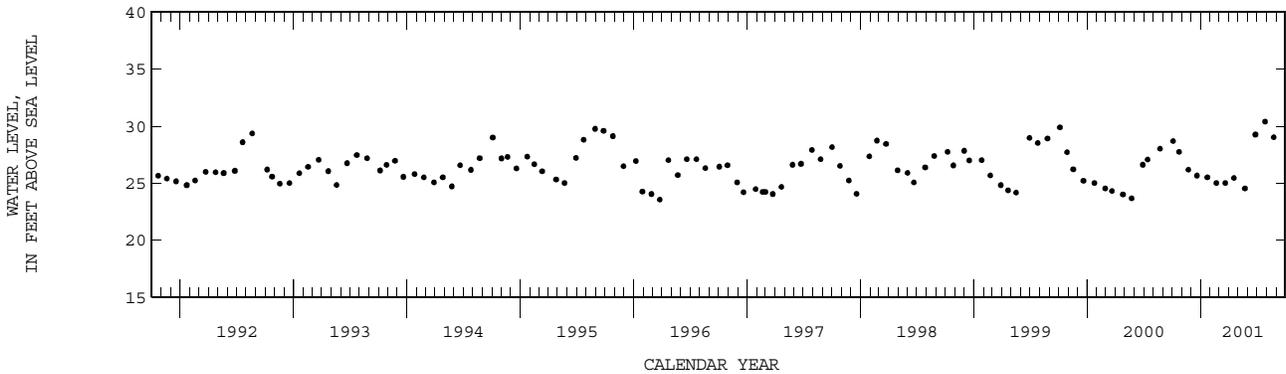
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--December 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.39 ft NGVD, July 27, 2001; lowest, 22.47 ft NGVD, May 28, 1975.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1045	28.68	18...	1330	25.44
23...	0935	27.73	MAY		
NOV			23...	1602	24.52
22...	1105	26.17	JUN		
DEC			26...	0901	29.25
20...	1135	25.65	JUL		
JAN			27...	1503	30.39
22...	1450	25.50	AUG		
FEB			24...	1423	29.01
20...	1420	25.00			
MAR					
21...	1255	25.00			



LEE COUNTY--Continued

WELL NUMBER.--263344081361703. Local Number L 2186.

LOCATION.--Lat 26°33'45", long 81°36'16", in NW ¼ NW ¼ SE ¼ sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at northeast corner of Alexander Graham Bell Boulevard and Milwaukee Boulevard, and 14.0 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft, cased to 133 ft, screened 133 to 160 ft.

INSTRUMENTATION.--Satellite data collection platform.

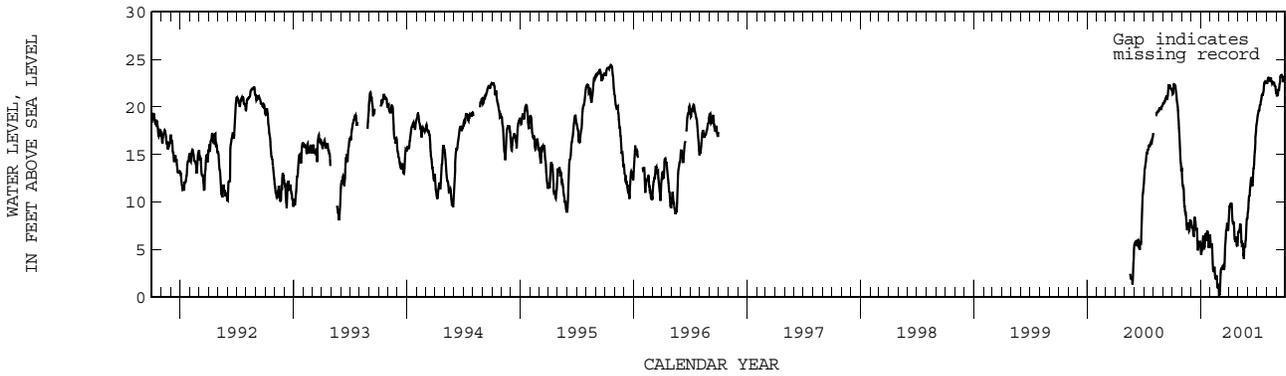
DATUM.--Land-surface datum is 31.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.24 ft above land-surface datum. REMARKS--Records of water levels prior to October 1977 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--August 1975 to September 1996 (daily), October 1996 to April 2000 (monthly), May 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.30 ft NGVD, Sept. 30, 1979; lowest, 0.09 ft NGVD, Mar. 1, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.15	11.54	7.30	5.01	5.55	1.73	9.39	7.03	10.60	19.36	22.91	21.29
10	22.28	9.55	7.20	6.20	2.96	3.08	9.82	6.90	11.97	20.19	22.83	22.10
15	20.82	8.18	7.90	6.62	2.41	2.84	7.65	5.60	11.78	20.92	23.04	23.26
20	18.97	7.61	6.88	6.33	2.24	5.29	6.16	4.00	13.57	21.43	22.51	23.18
25	15.99	6.98	5.80	6.12	.88	7.24	6.16	5.87	16.30	22.57	22.52	22.76
EOM	13.33	7.93	5.57	6.52	1.04	7.75	6.17	8.21	18.25	22.63	21.59	23.31
MAX	22.42	13.31	8.35	6.92	5.80	7.75	9.82	8.25	18.25	22.68	23.10	23.39



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263344081361704. Local Number L 2311.

LOCATION.--Lat 26°33'45", long 81°36'16", in NW ¼ SE ¼ sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at northeast corner of Alexander Graham Bell Boulevard and Milwaukee Boulevard, and 14 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 625 ft, cased to 300 ft, open hole 300 to 625 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 31.25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 2.10 ft above land-surface datum.

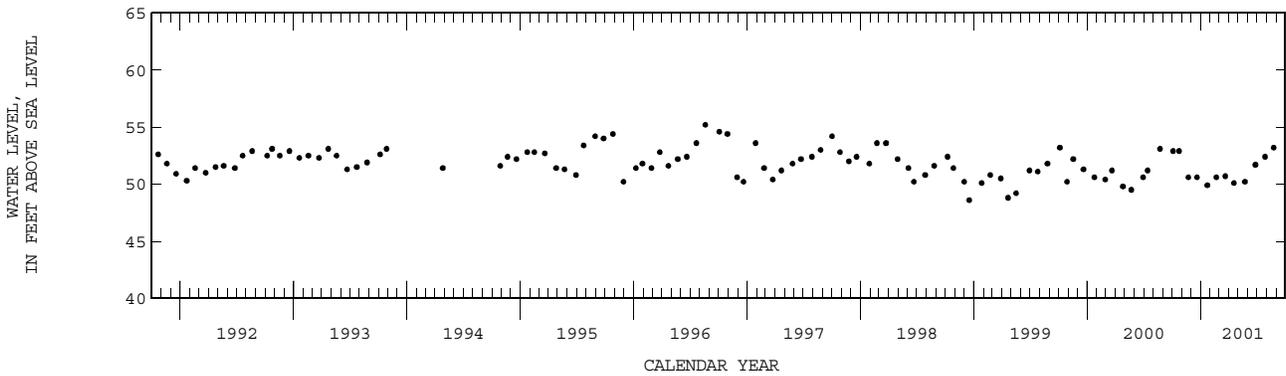
REMARKS.--Records of water levels prior to October 1980 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--August 1976 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.2 ft NGVD, Sept. 1, 1988, Aug. 19,1996; lowest, 48.1 ft NGVD, June 28, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 04...	1055	52.90	APR 18...	1335	50.10
23...	0935	52.90	MAY 23...	1600	50.20
NOV 22...	1110	50.60	JUN 26...	0848	51.70
DEC 20...	1150	50.60	JUL 27...	1457	52.40
JAN 22...	1455	49.90	AUG 24...	1430	53.20
FEB 20...	1425	50.60			
MAR 21...	1310	50.70			



LEE COUNTY--Continued

WELL NUMBER.--263353081335801. Local Number L 1965.

LOCATION.--Lat 26°33'53", long 81°33'58", in SE ¼ NE ¼ sec.13, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Naples Avenue, 18 ft west of Naples Avenue and 158 ft north of Milwaukee Boulevard, 5.7 mi southeast of Lehigh Acres Post Office.

AQUIFER.--Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 225 ft, cased to 50 ft, screen 50 to 83 ft, screen 127 to 137 ft and open hole 156 to 225 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

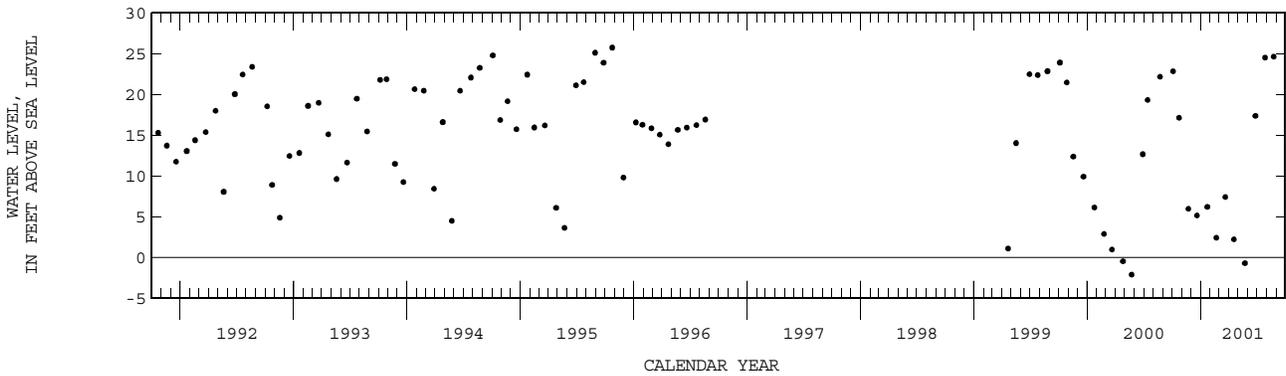
REMARKS.--Records of water levels prior to October 1976 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--December 1965 to August 1996, April 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.26 ft NGVD, Aug. 30, 1978; lowest, 2.13 ft below NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 04...	1020	22.86	APR 18...	1315	2.21
23...	0850	17.14	MAY 23...	1539	-0.72
NOV 22...	1030	5.97	JUN 26...	0827	17.37
DEC 20...	1120	5.14	JUL 27...	1443	24.54
JAN 22...	1420	6.21	AUG 24...	1409	24.66
FEB 20...	1410	2.42			
MAR 21...	1250	7.42			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263440082022001. Local Number L 2644.

LOCATION.--Lat 26°34'43", long 82°02'15", in SW ¼ SW ¼ sec.5, T.45 S., R.23 E., Hydrologic Unit 03100103, in the median of Surfside Boulevard, at the intersection of 39th Terrace, and 5.5 mi west of the Cape Coral Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 112 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 180 ft, cased to 128 ft, open hole 128 to 180 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer.

DATUM.--Land-surface datum is 7.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.00 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 6.60 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 4.11 ft above land-surface datum. See REMARKS.

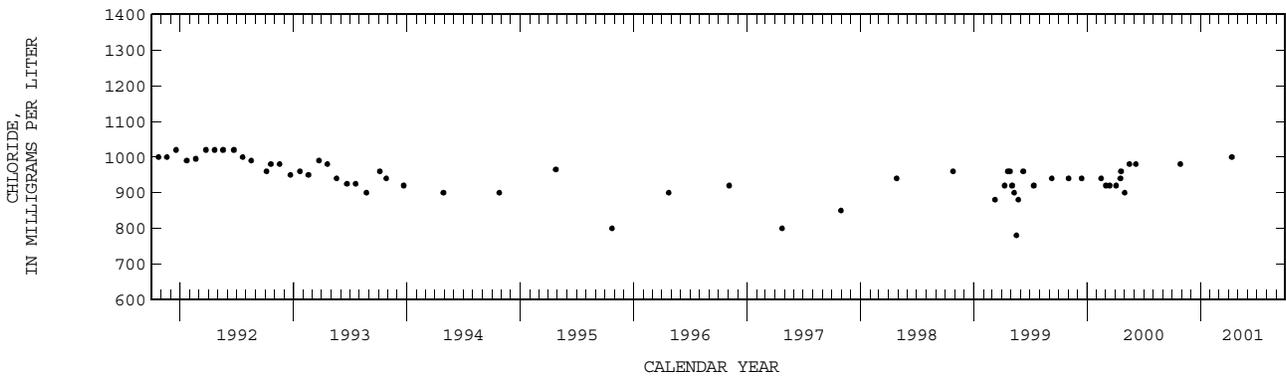
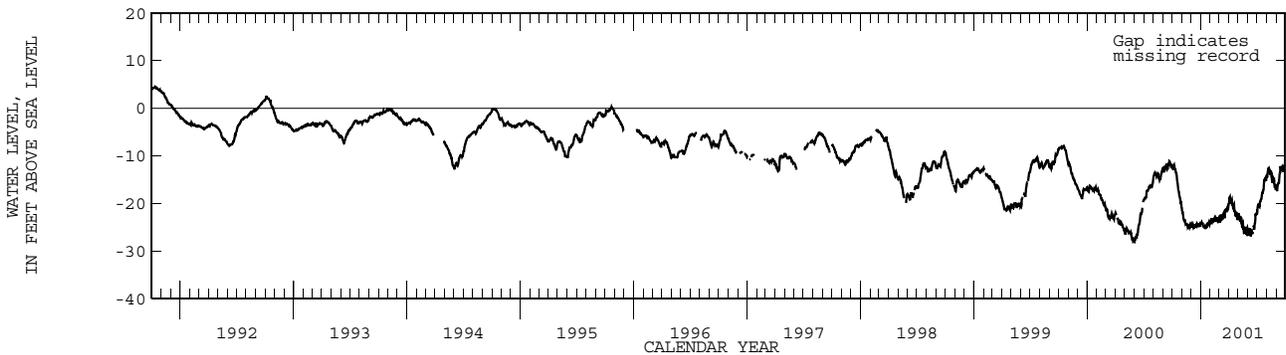
REMARKS.--Well is also used for salinity monitoring. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM. Records of water levels prior to October 1980 are available in files of the U.S. Geological Survey. Conductivity profiles for the previous water years are available in the files of the U.S. Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.28 ft NGVD, Sept. 22, 1986; lowest, 28.11 ft below NGVD, June 1, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-12.21	-22.44	-24.74	-24.27	-24.06	-23.47	-19.26	-22.58	-25.40	-20.28	-13.27	-16.20
10	-12.96	-23.82	-25.13	-24.61	-23.33	-22.52	-19.30	-23.75	-26.71	-19.83	-13.24	-14.80
15	-14.19	-24.31	-24.82	-25.42	-23.42	-22.95	-20.97	-24.26	-26.23	-19.01	-13.17	-12.40
20	-17.13	-25.07	-24.20	-24.74	-23.16	-21.50	-21.77	-26.29	-24.76	-17.52	-15.66	-13.23
25	-18.81	-24.76	-25.00	-24.41	-24.02	-21.66	-21.81	-25.90	-23.23	-14.93	-15.20	-12.76
EOM	-20.85	-24.80	-24.28	-23.76	-23.11	-20.23	-23.30	-26.15	-22.02	-14.44	-16.29	---
MAX	-11.97	-21.04	-24.17	-23.76	-22.95	-20.23	-18.62	-22.07	-22.02	-14.44	-12.51	-12.22



LEE COUNTY--Continued

WELL NUMBER.--263440082022002. Local Number L 3207.

LOCATION.--Lat 26°34'43", long 82°02'15", in SW ¼ SW ¼ sec.5, T.45 S., R.23 E., Hydrologic Unit 03100103, in the median of Surfside Boulevard, at the intersection of 39th Terrace, and 5.5 mi west of the Cape Coral Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 8 ft, screened 8 to 18 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.31 ft above land-surface datum.

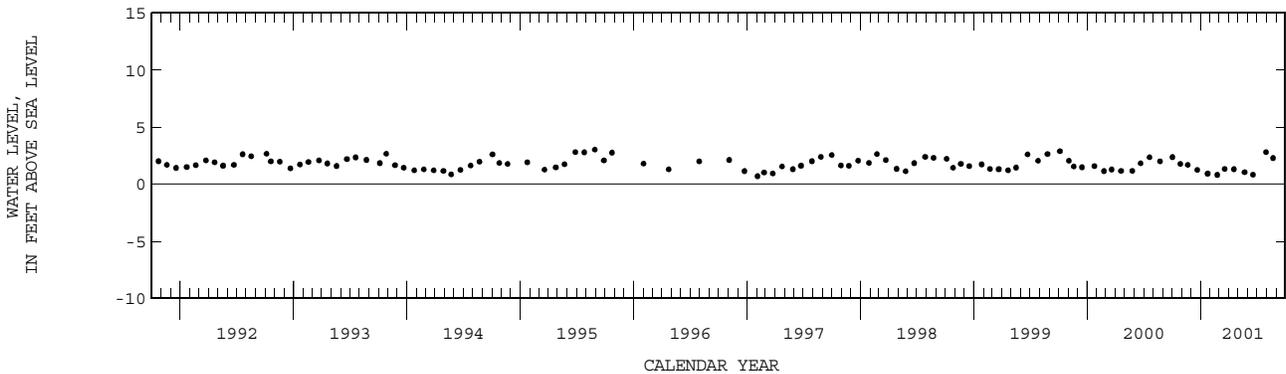
REMARKS.--Records of water levels prior to October 1980 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--May 1978 to September 1979 (bimonthly), May 1980 to October 1980 (semiannual), January 1981 to September 1995 (monthly), October 1995 to October 1996 (quarterly), November 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.22 ft NGVD, Mar. 31, 1987; lowest, 0.57 ft below NGVD, Nov. 28, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1345	2.37	18...	1552	1.31
27...	1256	1.77	MAY		
NOV			22...	1307	1.04
20...	1334	1.68	JUN		
DEC			18...	1527	.83
21...	1358	1.25	JUL		
JAN			30...	0941	2.80
23...	0950	.92	AUG		
FEB			22...	1313	2.29
23...	1634	.81			
MAR					
19...	1643	1.33			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263526082010201. Local Number L 2434.

LOCATION.--Lat 26°35'26", long 82°01'02", in NE ¼ NW ¼ sec.4, T.45 S., R.23 E., Hydrologic Unit 03100103, at the southwest corner of 32nd Street and SW 20th Avenue and 5 mi northwest of Cape Coral Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 700 ft, cased to 353 ft, open hole 353 to 700 ft.

INSTRUMENTATION.--Electronic data logger, with a pressure transducer.

DATUM.--Land-surface datum is 8.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 9.00 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 6.34 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 10.99 ft above land-surface datum. See REMARKS.

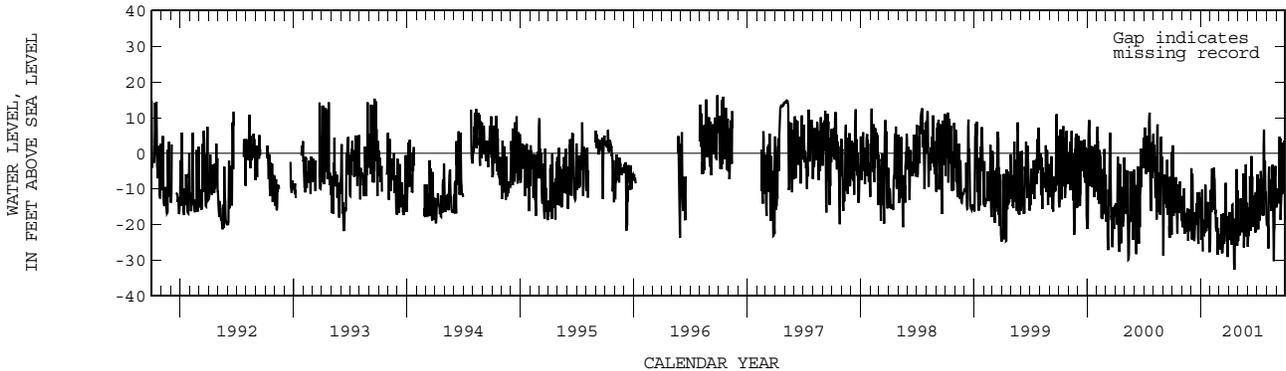
REMARKS.--Water levels affected by nearby pumping wells. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM. Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--March 1977 to April 1980 (monthly), May 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.35 ft NGVD, Sept. 11, 1983 (Corrected); lowest, 32.74 ft below NGVD, Apr. 19, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-17.58	-20.92	-9.65	-10.23	-6.69	-26.97	-24.29	-19.43	-19.07	-21.35	-19.78	-12.61
10	-13.20	-22.61	-16.54	-23.05	-15.59	-27.79	-22.14	-20.27	-20.16	-15.73	-10.44	-3.58
15	-16.15	-17.65	-19.99	-8.88	-10.52	-16.82	-21.78	-17.88	-6.52	-17.47	-11.61	-18.69
20	-16.75	-16.32	-19.03	-20.65	-21.59	-21.77	-31.20	-26.44	-15.09	-7.26	-3.21	-9.00
25	-7.96	-18.97	-17.54	-15.96	-21.07	-22.75	-12.25	-8.69	-21.31	-10.10	-21.65	-11.34
EOM	-12.76	-21.39	-12.44	-25.86	-23.34	-17.96	-20.15	-20.11	-15.33	-18.67	-13.23	-18.00
MAX	2.23	-9.82	-4.26	-8.88	-4.02	-8.35	-4.46	-3.18	-.81	6.53	-3.21	4.59



LEE COUNTY--Continued

WELL NUMBER.--263532081592201. Local Number L 581.

LOCATION.--Lat 26°35'32", long 81°59'21", in NW ¼ NW ¼ sec.2, T.45 S., R.23 E., Hydrologic Unit 03090205, 0.1 mi east of intersection of Skyline Boulevard and Gleason Parkway, in median of Gleason Parkway and 3.5 mi northwest of Cape Coral Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 177 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 9.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.40 ft above land-surface datum.

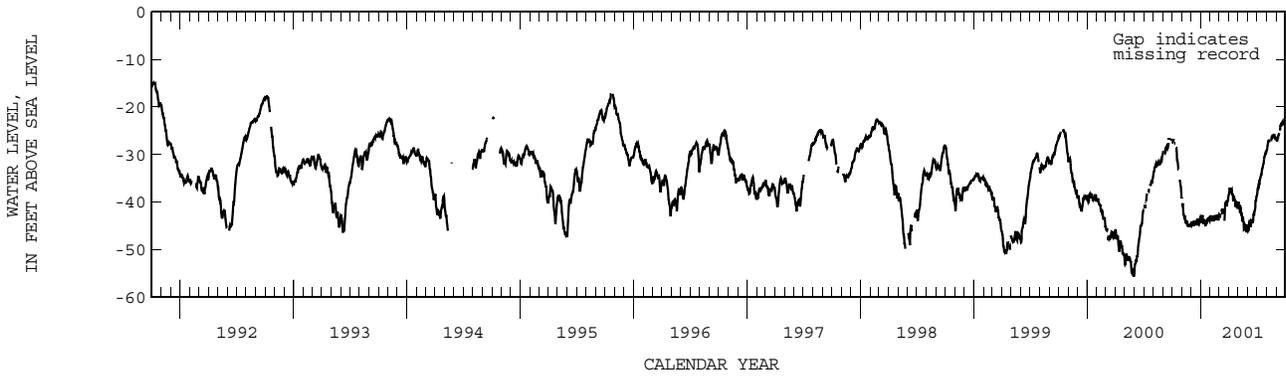
REMARKS.--Water levels affected by pumping of nearby wells. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--May 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.77 ft below NGVD, Sept. 10, 1960; lowest, 55.73 ft below NGVD, May 30, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-27.00	-41.50	-44.40	-43.24	-43.95	-42.42	-37.38	-40.53	-44.51	-37.14	-27.79	-26.49
10	-27.66	-43.23	-45.05	-43.62	-43.27	-41.33	-37.57	-42.33	-44.99	-35.26	-27.03	-25.48
15	-29.36	-43.92	-44.48	-45.11	-43.23	-42.16	-39.40	-43.20	-43.94	-34.16	-26.74	-23.83
20	-32.95	-45.16	-43.67	-44.23	-42.87	-40.64	-39.62	-45.73	-42.47	-32.21	-26.41	-23.36
25	-35.56	-44.76	-44.77	-43.80	-43.44	-40.47	-40.09	-45.19	-40.93	-30.37	-25.67	---
EOM	-39.17	-45.20	-43.56	-42.90	-42.67	-38.53	-41.21	-45.85	-38.73	-29.22	-26.48	-22.90
MAX	-26.67	-40.29	-43.26	-42.77	-42.65	-38.53	-36.99	-39.93	-38.73	-29.22	-25.67	-22.71



LEE COUNTY--Continued

WELL NUMBER.--263532081592202. Local Number L 1136.

LOCATION.--Lat 26°35'32", long 81°59'21", in NW ¼ NW ¼ sec.2, T.45 S., R.23 E., Hydrologic Unit 03090205, 0.1 mi east of intersection of Skyline Boulevard and Gleason Parkway, in median of Gleason Parkway and 3.5 mi northwest of Cape Coral Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 15 ft, screened 15 to 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. casing 2.65 ft above land-surface datum. Prior to April, 1996, measuring point was top of 4 in. cap, 3.00 ft above land-surface datum. See REMARKS.

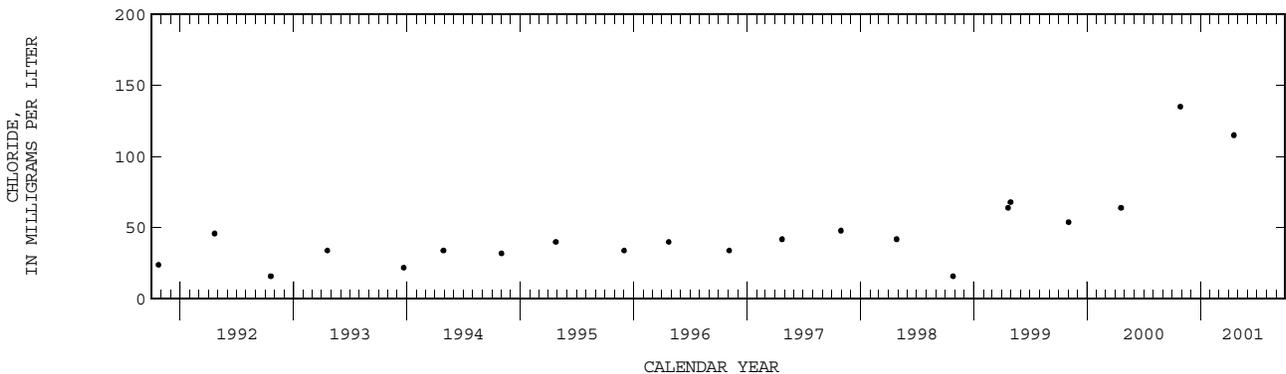
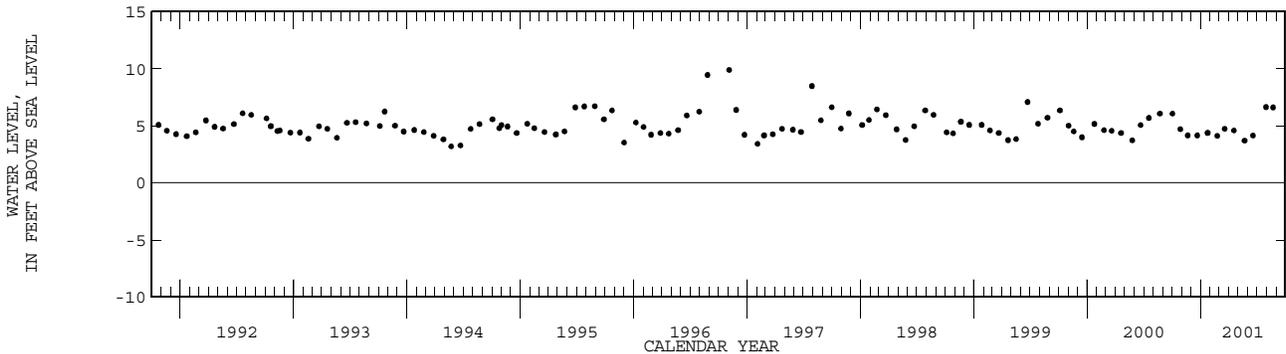
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey. The figures of water levels, as elevation in feet NGVD, for the period April, 1996 to September 30, 1997 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.90 ft NGVD, Nov. 4, 1996; lowest, 2.01 ft NGVD, Apr. 29, 1974.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1257	--	--	6.06	APR 18...	1325	845	115	4.58
27...	1434	905	135	4.70	MAY 22...	1441	--	--	3.70
NOV 20...	1250	--	--	4.16	JUN 18...	1441	--	--	4.14
DEC 21...	1457	--	--	4.16	JUL 30...	0843	--	--	6.64
JAN 23...	1057	--	--	4.38	AUG 22...	1403	--	--	6.61
FEB 23...	1702	--	--	4.11					
MAR 19...	1716	--	--	4.74					



LEE COUNTY--Continued

WELL NUMBER.--263630081375301. Local Number L 1418.

LOCATION.--Lat 26°36'31", long 81°37'51", in SE ¼ NE ¼ sec.32, T.44 S., R.27 E., Hydrologic Unit 03090205, 20 ft north of Davis Road, 0.1 mi west of Texas Road, 0.5 mi north of intersection of Leeland Heights Boulevard and Texas Road and 1.0 mi northeast of Lehigh Acres Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 62 ft, cased to 55 ft, open hole 55 to 62 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 23.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.84 ft above land-surface datum.

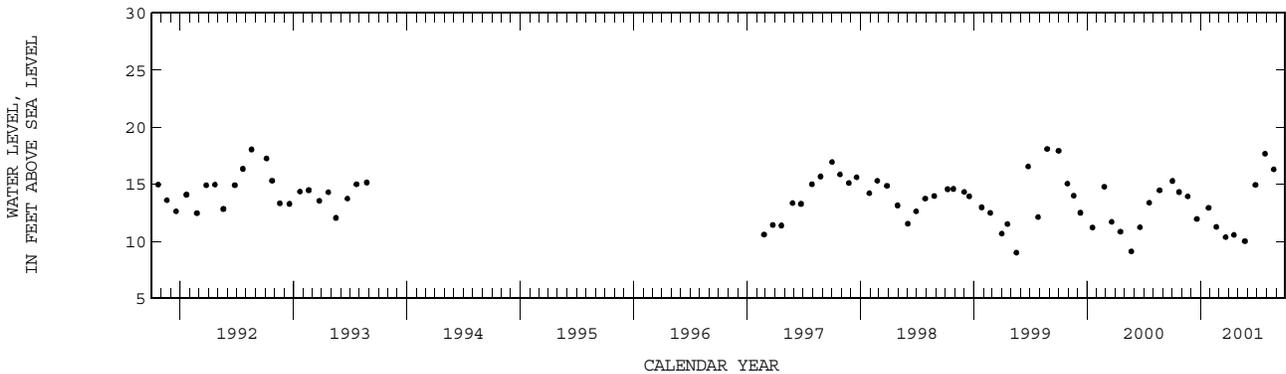
REMARKS.--Water levels affected by pumping of nearby wells. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1971 to October 1988, March 1989 to September 1996 (daily), February 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.05 ft NGVD, June 20, 1971; lowest, 8.53 ft NGVD, May 1, 1975.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1530	15.28	18...	1350	10.55
23...	1510	14.30	MAY		
NOV			23...	1638	10.00
20...	1530	13.92	JUN		
DEC			26...	0930	14.93
19...	1047	11.94	JUL		
JAN			27...	1336	17.66
26...	1000	12.91	AUG		
FEB			24...	1445	16.29
20...	1640	11.24			
MAR					
22...	0915	10.35			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263712081461201. Local Number L 728.

LOCATION.--Lat 26°37'13", long 81°46'10", in NE ¼ SW ¼ sec.25, T.44 S., R.25 E., Hydrologic Unit 03090204, 40 ft east of SR-82 and 0.2 mi north of CR-884, and 6.6 mi southeast of Fort Myers Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19 ft, cased to 18 ft, open hole 18 to 19 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.60 ft above land-surface datum.

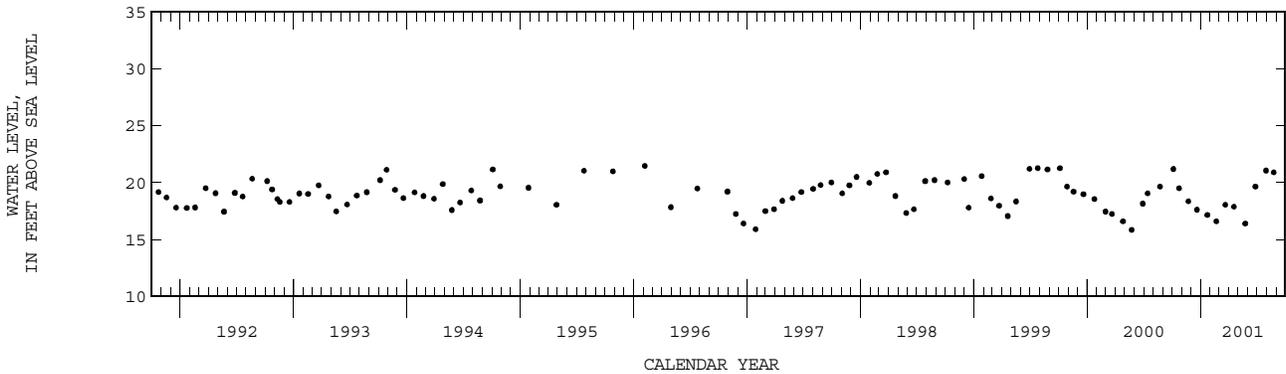
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--July 1968 to February 1972 (bimonthly), March 1972 to September 1994 (monthly), October 1994 to July 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.46 ft NGVD, Feb. 6, 1996; lowest, 15.85 ft NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	0950	21.19	18...	1635	17.88
23...	1200	19.50	MAY		
NOV			24...	0946	16.40
22...	1230	18.35	JUN		
DEC			26...	1203	19.65
20...	1320	17.62	JUL		
JAN			30...	1043	21.05
22...	1630	17.15	AUG		
FEB			24...	1641	20.89
20...	1740	16.60			
MAR					
21...	1640	18.04			



LEE COUNTY--Continued

WELL NUMBER.--263718081485001. Local Number L 1973.

LOCATION.--Lat 26°37'19", long 81°48'50", in NW ¼ SW ¼ NE ¼ sec.28, T.44 S., R.25 E., Hydrologic Unit 02090205, at Eastwood Golf Course, 176 ft south of Vince Smith Drive, 0.15 mi west of Ortiz Avenue and 3.9 mi southeast of Fort Myers Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 225 ft, cased to 172 ft, open hole 172 to 225 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.67 ft above land-surface datum.

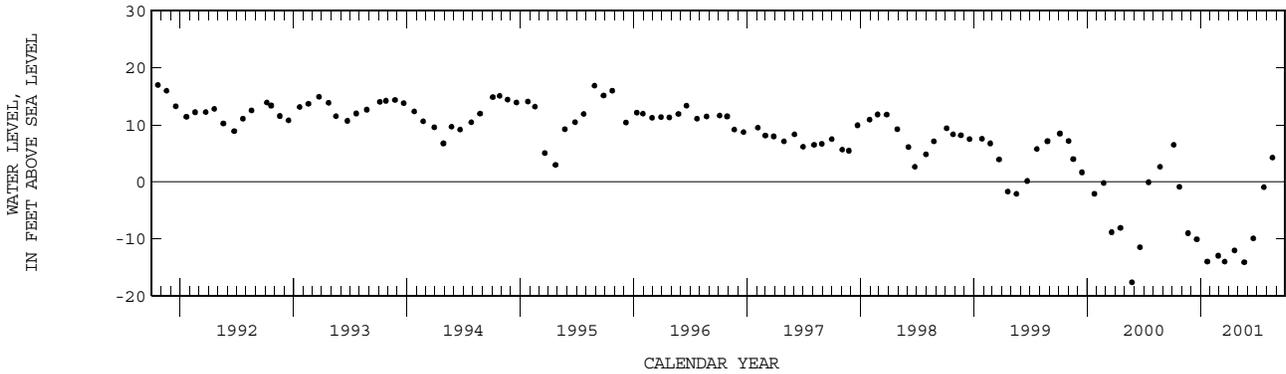
REMARKS.--Conductivity and chloride profiles for previous years are available in files of the U.S. Geological Survey. Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.50 ft NGVD, Sept. 17, 1974; lowest, 17.65 ft below NGVD, May 24, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
06...	1120	6.45	20...	1419	-12.05
24...	0837	-0.92	MAY		
NOV			21...	0842	-14.13
21...	1520	-9.02	JUN		
DEC			19...	1320	-9.96
19...	0752	-10.10	JUL		
JAN			23...	1412	-0.97
22...	1425	-14.01	AUG		
FEB			20...	1229	4.21
26...	0859	-12.99			
MAR					
19...	0717	-14.04			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263718081485002. Local Number L 1974.

LOCATION.--Lat 26°37'19", long 81°48'50", in NW ¼ SW ¼ NE ¼ sec.28, T.44 S., R.25 E., Hydrologic Unit 03090205, at Eastwood Golf Course, 193 ft south of Vince Smith Drive and 0.15 mi west of Ortiz Boulevard, and 3.9 mi southeast of Fort Myers Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 135 ft, cased to 85 ft, screened 85 to 135 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Conductivity and chloride profiles for previous years are available in the files of the U.S. Geological Survey.

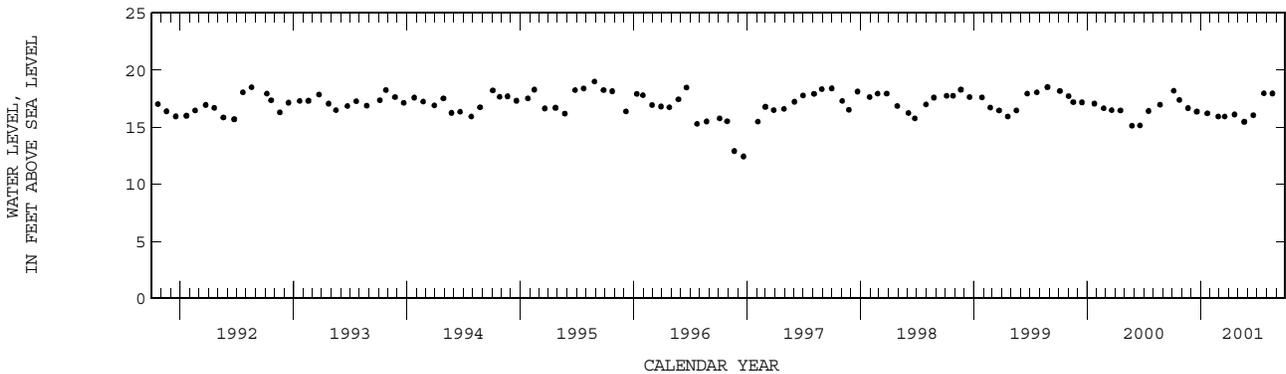
Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.13 ft NGVD, Sept. 26, 1976; lowest, 12.43 ft NGVD, Dec. 20, 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
06...	1124	18.18	20...	1425	16.11
24...	0846	17.38	MAY		
NOV			21...	0849	15.47
21...	1525	16.67	JUN		
DEC			19...	1324	16.05
19...	0758	16.36	JUL		
JAN			23...	1411	17.96
22...	1427	16.20	AUG		
FEB			20...	1227	17.95
26...	0858	15.93			
MAR					
19...	0719	15.93			



LEE COUNTY--Continued

WELL NUMBER.--263718081485003. Local Number L 2292.

LOCATION.--Lat 26°37'19", long 81°48'50", in SW ¼ NE ¼ sec.28, T.44 S., R.25 E., Hydrologic Unit 03090205, at Eastwood Golf Course, 159 ft south of Vince Smith Drive, 0.15 mi west of Ortiz Avenue, and 3.9 mi southeast of Fort Myers Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 616 ft, cased to 302 ft, open hole 302 to 616 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 20.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 2.20 ft above land-surface datum.

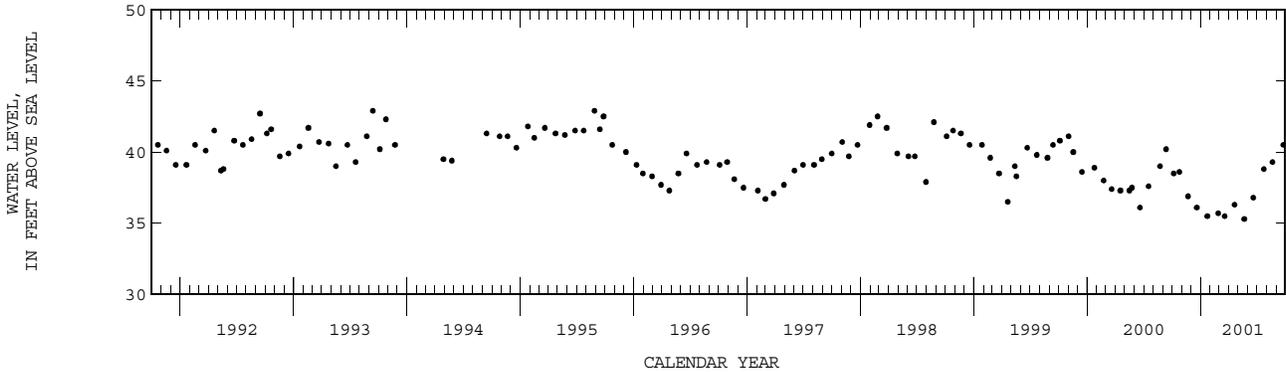
REMARKS.--Records of water levels prior to October 1982 are available in files of the U.S. Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.9 ft NGVD, Sept. 13, 1993 and Aug. 28, 1995; lowest, 32.7 ft NGVD, June 29, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
06...	1122	38.50	20...	1420	36.30
24...	0845	38.60	MAY		
NOV			21...	0845	35.30
21...	1521	36.90	JUN		
DEC			19...	1322	36.80
19...	0755	36.10	JUL		
JAN			23...	1410	38.80
22...	1423	35.50	AUG		
FEB			20...	1226	39.30
26...	0856	35.70	SEP		
MAR			24...	0711	40.50
19...	0721	35.50			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263743082041201. Local Number L 2645.

LOCATION.--Lat 26°37'42", long 82°04'14", in NW ¼ SW ¼ sec.24, T.44 S., R.22 E., Hydrologic Unit 03100103, across the street from the Matlacha Fire House at Matlacha Park and 0.1 mi south of Matlacha Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 210 ft, cased to 160 ft, open hole 160 to 210 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 2.70 ft above land-surface datum.

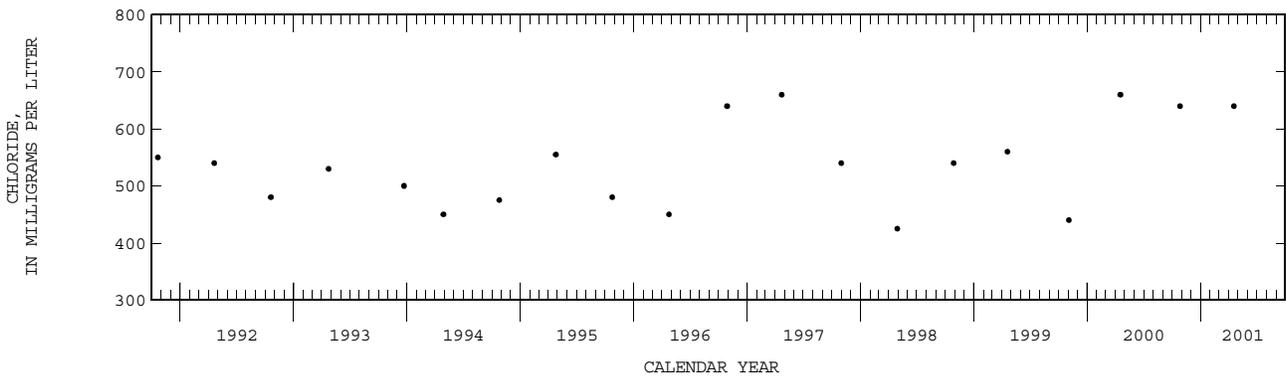
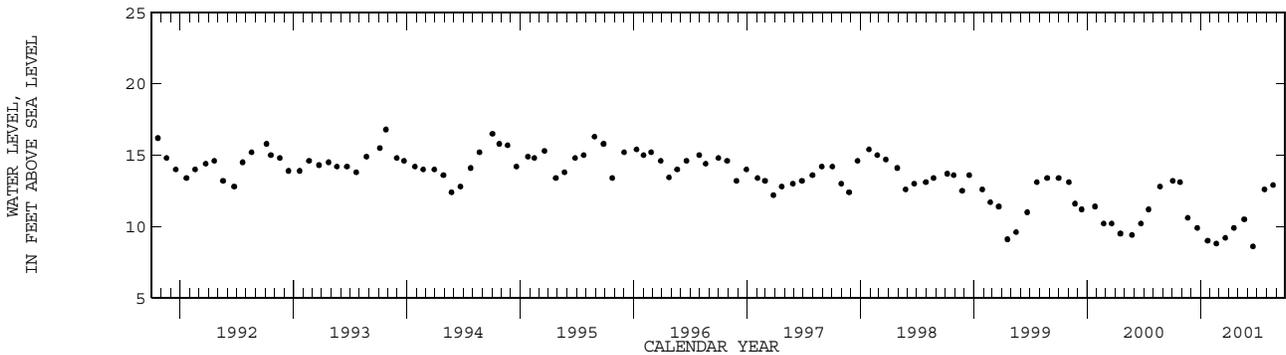
REMARKS.--Well is also used for salinity monitoring. This well is open to the aquifer from 160 to 210 ft. The exact depth from which the chloride containing water is emanating cannot be further delineated. Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.4 ft NGVD, Nov. 26, 1986; lowest, 8.6 ft NGVD, June 18, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 03...	1552	--	--	13.20	APR 18...	0748	2500	640	9.90
26...	0730	2490	640	13.10	MAY 21...	1117	--	--	10.50
NOV 20...	0836	--	--	10.60	JUN 18...	1120	--	--	8.60
DEC 21...	1627	--	--	9.90	JUL 25...	0948	--	--	12.60
JAN 23...	1357	--	--	9.00	AUG 22...	1607	--	--	12.90
FEB 20...	0835	--	--	8.80					
MAR 21...	0931	--	--	9.20					



LEE COUNTY--Continued

WELL NUMBER.--263807081430301. Local Number L 1968.

LOCATION.--Lat 26°38'01", long 81°43'02", in SW ¼ SW ¼ NE ¼ sec.21, T.44 S., R.26 E., Hydrologic Unit 03090205, at northwest corner of Benton Road and Gunnery Road, and 4.8 mi northwest of Lehigh Acres Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 165 ft, cased to 70 ft, open hole 70 to 165 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 23.68 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.25 ft above land-surface datum.

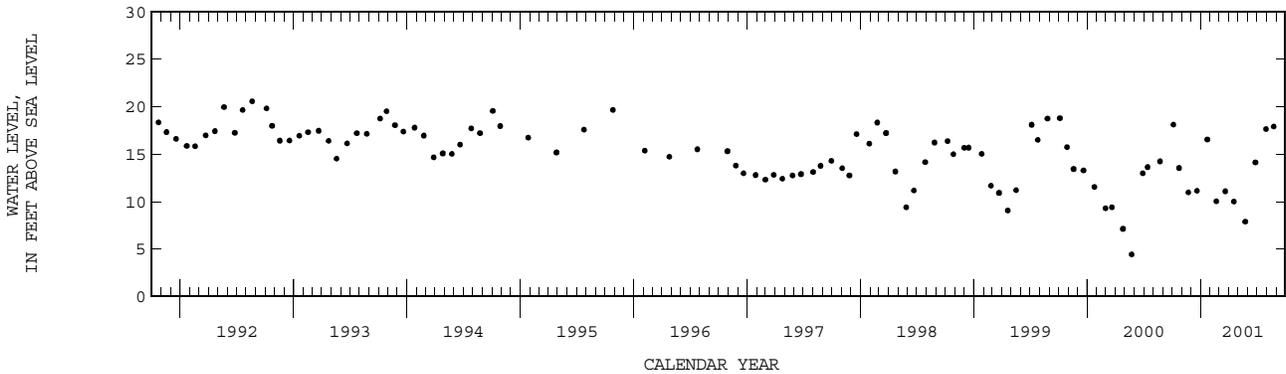
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--December 1974 to September 1994 (monthly), October 1994 to June 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.01 ft NGVD, Sept. 27, 1979; lowest, 4.43 ft NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	0945	18.10	18...	1630	10.00
23...	1145	13.53	MAY		
NOV			24...	0927	7.88
22...	1210	10.97	JUN		
DEC			26...	1150	14.12
20...	1300	11.13	JUL		
JAN			30...	0948	17.62
22...	1615	16.53	AUG		
FEB			24...	1630	17.89
20...	1730	10.03			
MAR					
21...	1525	11.08			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263813081552801. Local Number L 2640.

LOCATION.--Lat 26°38'08", long 81°55'27", in NE ¼ NE ¼ sec.20, T.44 S., R.24 E., Hydrologic Unit 03090205, in median at intersection of SE 24th Avenue and Birkdale Avenue, 1 mi south of Hancock Bridge Parkway and 5.2 mi north of Cape Coral Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 180 ft, cased to 128 ft, open hole 128 to 180 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Land-surface datum is 7.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

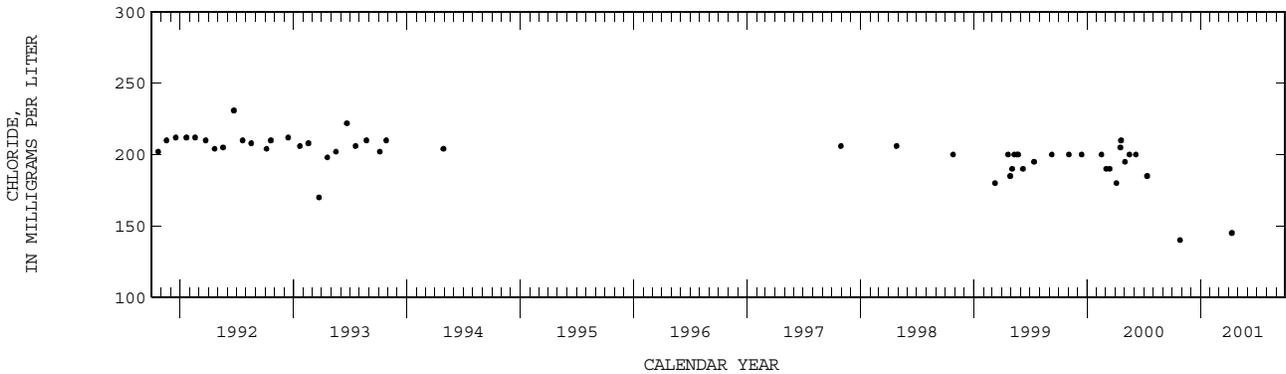
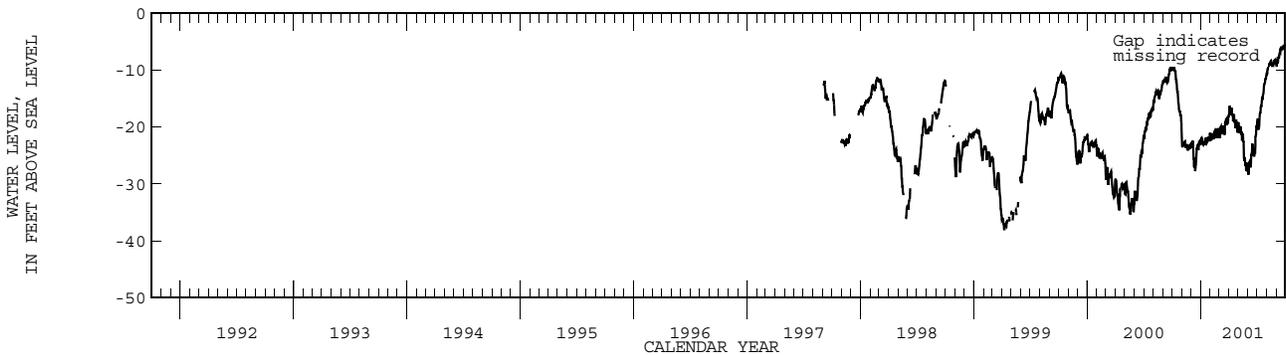
REMARKS.--Well is also used for salinity monitoring. The well was originally open to the aquifer from 128 to 180 ft. The open interval has collapsed or become obstructed at a depth of 168 ft. Chloride concentration samples are being collected from a depth of 168 ft. Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey. Documentation of the highest water level measured on September 5, 1978, is poor. However, the water level is consistent when compared to L-581. Conductivity and chloride profiles for previous years are available in the files of the U. S. Geological Survey.

PERIOD OF RECORD.--May 1978 to September 1997 (monthly), September 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.94 ft below NGVD, Sept. 5, 1978; lowest, 42.89 ft below NGVD, June 10, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-9.75	-23.24	-22.55	-22.67	-22.14	-21.07	-17.20	-19.82	-26.34	-20.50	-9.86	-8.43
10	-10.28	-22.57	-26.75	-22.56	-21.35	-20.17	-16.75	-21.33	-27.07	-17.71	-8.90	-7.39
15	-12.60	-23.47	-27.07	-22.81	-21.62	-20.78	-19.06	-21.35	-23.17	-16.34	-8.41	-6.29
20	-15.65	-24.15	-23.67	-22.32	-20.50	-19.31	-19.07	-25.19	-24.00	-14.38	-9.24	-6.14
25	-17.16	-23.27	-23.38	-22.32	-21.96	-19.68	-18.74	-26.33	-23.23	-12.40	-8.41	-5.96
EOM	-20.42	-23.76	-23.04	-21.06	-20.23	-18.03	-20.47	-27.85	-19.84	-10.69	-8.86	-5.88
MAX	-9.35	-21.63	-22.34	-21.06	-20.23	-18.03	-16.34	-19.17	-19.84	-10.69	-8.18	-5.67



LEE COUNTY--Continued

WELL NUMBER.--263819081585801. Local Number L 2701.

LOCATION.--Lat 26°38'19", long 81°58'56", in SE ¼ SW ¼ sec.14, T.44 S., R.23 E., Hydrologic Unit 03090205, in the median of Nicholas Parkway West, at the intersection of 7th Terrace, and 5.3 mi northwest of the Cape Coral Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 206 ft, cased to 175 ft, open hole 175 to 206 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

DATUM.--Land-surface datum is 13.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.61 ft above land-surface datum. Prior to May 12, 1999, measuring point was top of recorder shelf 2.68 ft above land-surface datum. See REMARKS.

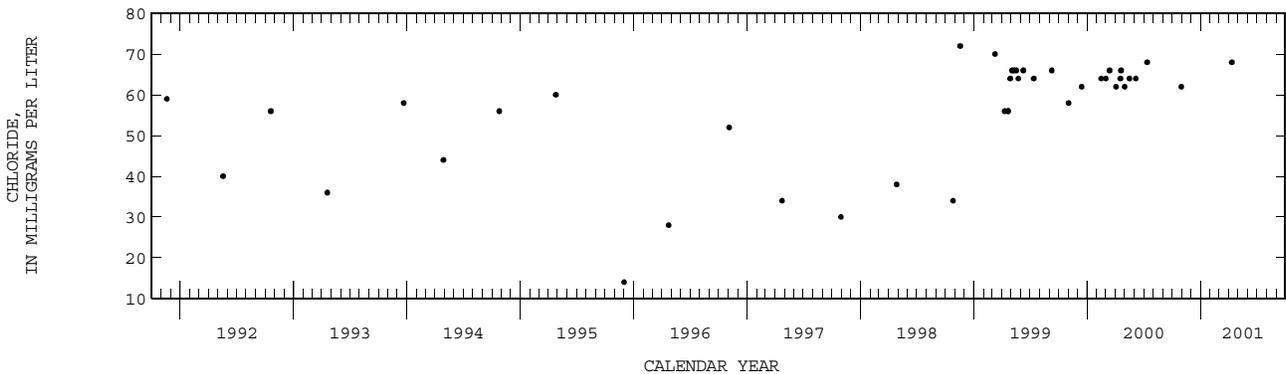
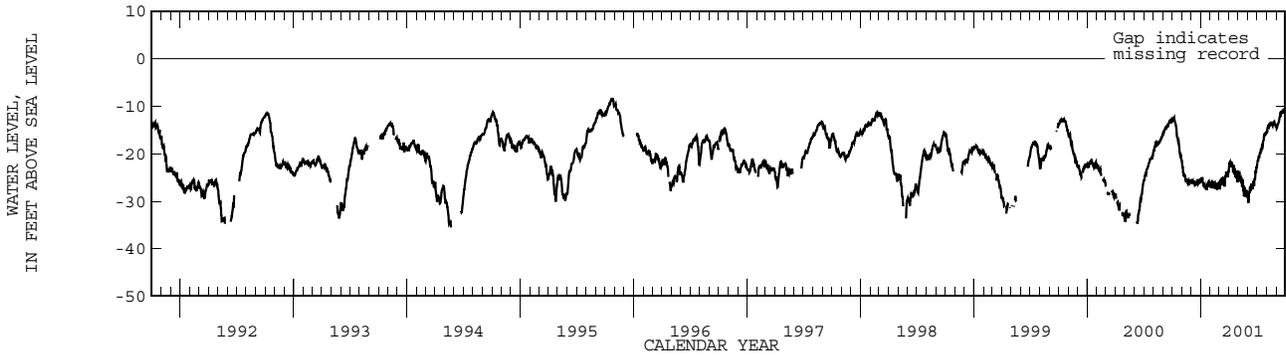
REMARKS.--Well is also used for salinity monitoring. Conductivity and chloride for previous years are available in the files of U.S. Geological Survey. Revised measuring point May 1999, for installation of new recorder shelf. Records of water levels prior to October 1980 are available in files of the U.S. Geological Survey. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 2.81 ft below NGVD, Sept. 11, 1986; lowest, 36.94 ft below NGVD, May 3, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-12.63	-23.76	-25.88	-25.15	-26.48	-26.17	-22.52	-24.13	-28.23	-21.41	-14.43	-13.85
10	-13.42	-24.72	-26.48	-26.60	-26.10	-25.21	-21.94	-26.14	-27.90	-19.82	-13.87	-12.74
15	-15.83	-25.26	-26.22	-26.93	-27.03	-26.38	-23.97	-25.89	-26.48	-19.20	-13.63	-11.31
20	-17.53	-26.25	-25.77	-26.85	-26.34	-24.78	-23.61	-29.02	-25.87	-17.59	-14.06	-11.18
25	-19.90	-26.17	-26.20	-26.86	-27.46	-24.93	-23.91	-27.82	-24.39	-15.80	-13.22	-11.03
EOM	-21.25	-25.87	-25.91	-25.91	-26.43	-23.69	-24.73	-29.31	-22.89	-15.43	-14.12	-10.35
MAX	-12.41	-21.39	-25.49	-25.12	-25.90	-23.69	-21.79	-23.76	-22.89	-15.43	-13.22	-10.35



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263834082005301. Local Number L 781.

LOCATION.--Lat 26°38'36", long 82°00'51", in SW ¼ NW ¼ SE ¼ sec.16, T.44 S., R.23 E., Hydrologic Unit 03100103, 0.4 mi north of SR-78 and 0.45 mi west of Chiquita Boulevard, and 3.5 mi northeast of Matlacha Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 290 ft, cased to 82 ft, open hole 82 to 290 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.27 ft above land-surface datum. Prior to October, 1996 the measuring point was top of recorder shelf, 2.30 ft above land-surface datum. See REMARKS.

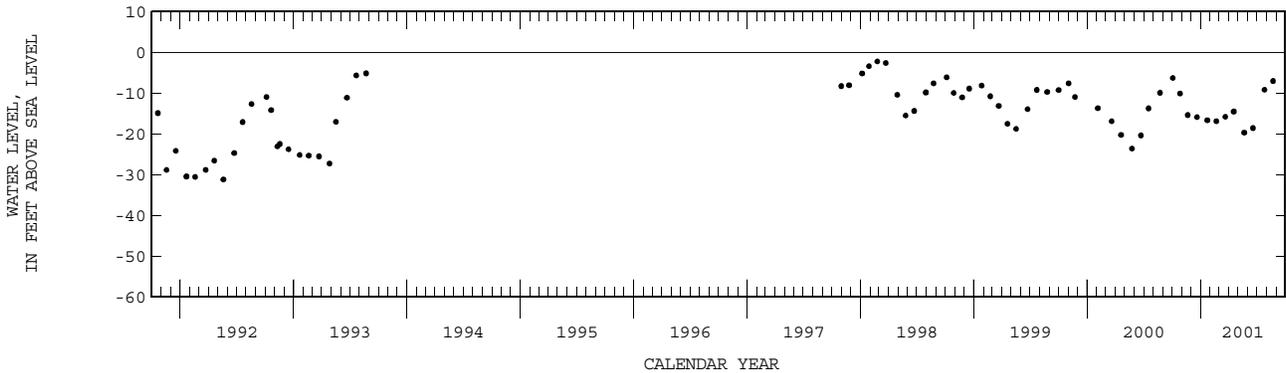
REMARKS.--Conductivity and chloride profiles for the previous years are available in the files of the U.S. Geological Survey. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The measuring point, top of shelf, 2.30 ft above land-surface datum, was incorrect from October 1996 to October, 1999, corrected records are available in the files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--June 1966, October 1971 to September, 1996 (daily), October 1997 to current year. (Corrected).

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.8 ft NGVD, June 27, 1966; lowest, 51.01 ft below NGVD, Feb. 25, 1991.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1610	-6.25	17...	1014	-14.50
26...	1530	-10.07	MAY		
NOV			21...	1235	-19.68
20...	0728	-15.36	JUN		
DEC			18...	1141	-18.56
20...	1550	-15.88	JUL		
JAN			25...	1001	-9.17
22...	1711	-16.63	AUG		
FEB			22...	1446	-6.99
20...	0723	-16.86			
MAR					
21...	0952	-15.81			



LEE COUNTY--Continued

WELL NUMBER.--263850081365401. Local Number L 727.

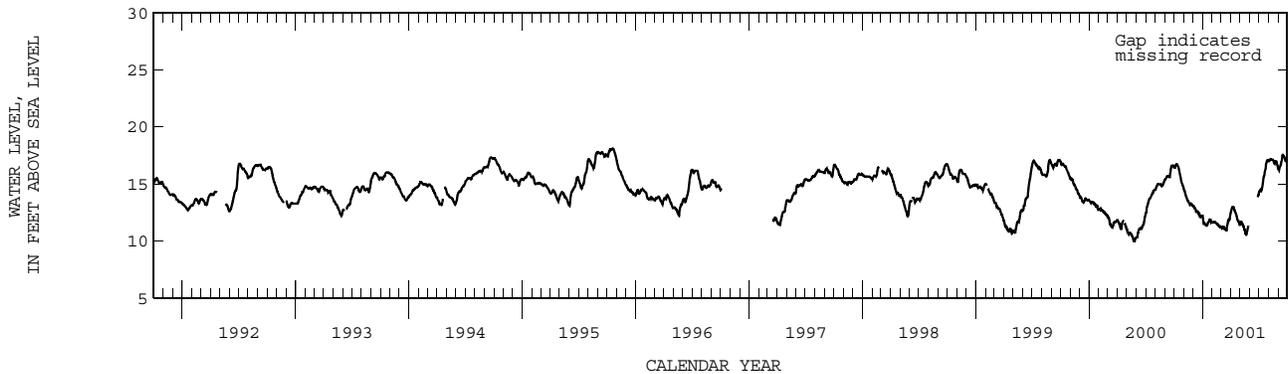
LOCATION.--Lat 26°39'50", long 81°35'51", in NW ¼ SW ¼ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 20 ft east of Joel Boulevard, 3.1 mi south of intersection of SR-80 and Joel Boulevard and 5.1 mi northeast of Lehigh Acres Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.  
 WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 71 ft, cased to 67 ft, open hole 67 to 71 ft.  
 INSTRUMENTATION.--Electronic data logger. Satellite data collection platform prior to March, 2001.  
 DATUM.--Land-surface datum is 21.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.44 ft above land-surface datum.

REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.  
 PERIOD OF RECORD.--July 1968 to October 1996 (daily), November 1996 to February 1997 (monthly), March 1997 to current year.  
 EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.53 ft NGVD, Mar. 30, 1970; lowest, 9.89 ft NGVD, May 26, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.55	14.22	12.89	11.61	11.63	11.14	12.92	11.69	---	14.49	17.15	16.46
10	16.71	13.78	12.59	11.46	11.68	11.24	12.94	11.38	---	14.55	17.15	16.91
15	16.36	13.46	12.58	11.42	11.49	11.00	12.56	11.00	---	15.53	17.13	17.53
20	15.68	13.19	12.44	11.68	11.35	11.33	12.15	10.57	---	16.15	16.77	17.45
25	15.09	13.27	12.10	11.86	11.19	11.74	11.76	10.99	---	16.94	16.99	17.01
EOM	14.65	13.11	12.23	11.68	11.21	12.45	11.41	---	14.08	17.06	16.34	17.29
MAX	16.75	14.53	13.06	12.02	11.68	12.45	13.03	11.69	14.08	17.10	17.20	17.55



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263907081592701. Local Number L 2528.

LOCATION.--Lat 26°39'10", long 81°59'25", in SW ¼ SW ¼ sec.11, T.44 S., R.23 E., Hydrologic Unit 03100103, 100 ft northeast of intersection of Embers Parkway and Nelson Road NW and 6.8 mi northwest of Cape Coral Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 625 ft, cased to 420 ft, open hole 420 to 625 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 12.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4 in. reducer, at land-surface datum. Prior to October 2000, land-surface datum was considered to be 11.00 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 1.27 ft above land-surface datum. See REMARKS.

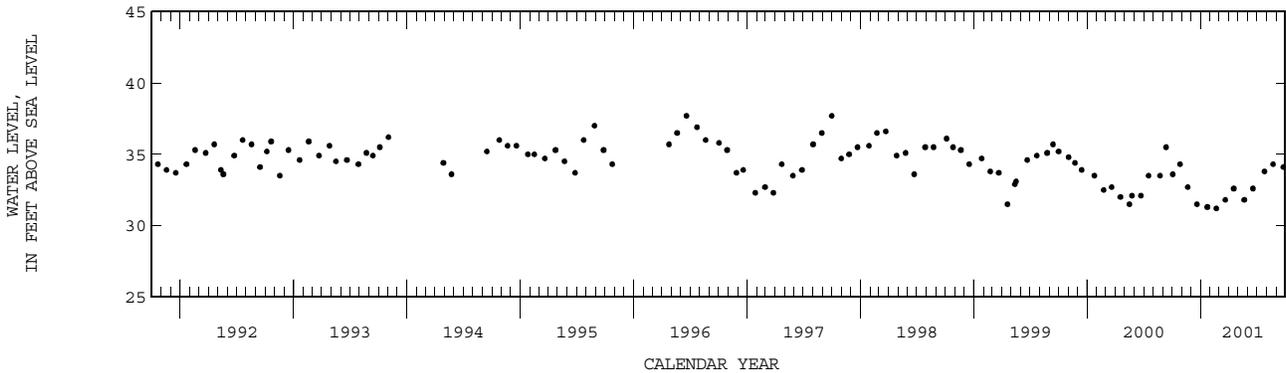
REMARKS.--Records of water levels prior to October 1980 are available in files of the U.S. Geological Survey. In the 2001 water year the land-surface datum and height of the measuring point above land-surface datum were found to be incorrect. The figures of water level as elevation in ft NGVD published prior to October 2000 are in error. These figures have not been corrected. See DATUM.

PERIOD OF RECORD.--January 1978 to September 1989 (monthly), September 1990 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to October 1995 (monthly), April 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.4 ft NGVD, Feb. 26, 1986; lowest, 31.2 ft NGVD, Feb. 20, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1625	33.60	17...	1314	32.60
26...	1545	34.30	MAY		
NOV			21...	1247	31.80
20...	0705	32.70	JUN		
DEC			18...	1159	32.60
20...	1604	31.50	JUL		
JAN			25...	1017	33.80
22...	1726	31.30	AUG		
FEB			22...	1430	34.30
20...	0710	31.20	SEP		
MAR			24...	1304	34.10
21...	1005	31.80			



LEE COUNTY--Continued

WELL NUMBER.--263950081355401. Local Number L 2187.

LOCATION.--Lat 26°39'50", long 81°35'51", in NW ¼ SW ¼ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 20 ft east of Joel Boulevard, 3.1 mi south of intersection of SR-80 and Joel Boulevard and 5.1 mi northeast of Lehigh Acres Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 154 ft, cased to 136 ft, open hole 136 to 154 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

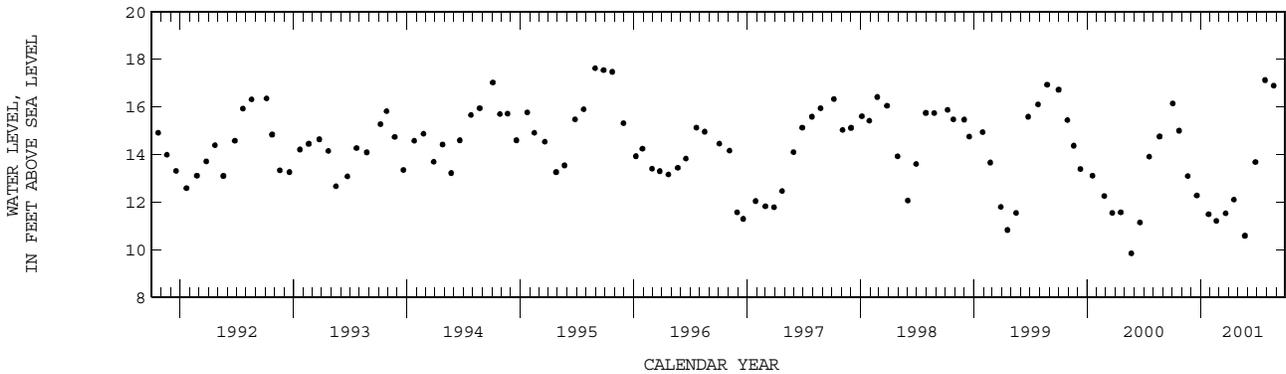
REMARKS.--Records of water levels prior to October 1982 are available in files of the U.S. Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.88 ft NGVD, Sept. 27, 1979; lowest, 9.84 ft NGVD, May 22, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1021	16.15	18...	1400	12.10
23...	1600	15.00	MAY		
NOV			23...	1704	10.58
20...	1558	13.09	JUN		
DEC			26...	0949	13.68
19...	1021	12.27	JUL		
JAN			27...	1615	17.13
26...	1100	11.48	AUG		
FEB			24...	1507	16.90
20...	1515	11.20			
MAR					
22...	0855	11.52			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263950081355402. Local Number L 1137.

LOCATION.--Lat 26°39'50", long 81°35'51", in NW ¼ SW ¼ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 20 ft east of Joel Boulevard, 3.1 mi south of intersection of SR-80 and Joel Boulevard and 5.1 mi northeast of Lehigh Acres Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.  
 WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 15 ft, slotted 15 to 20 ft.  
 INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.42 ft above land-surface datum.

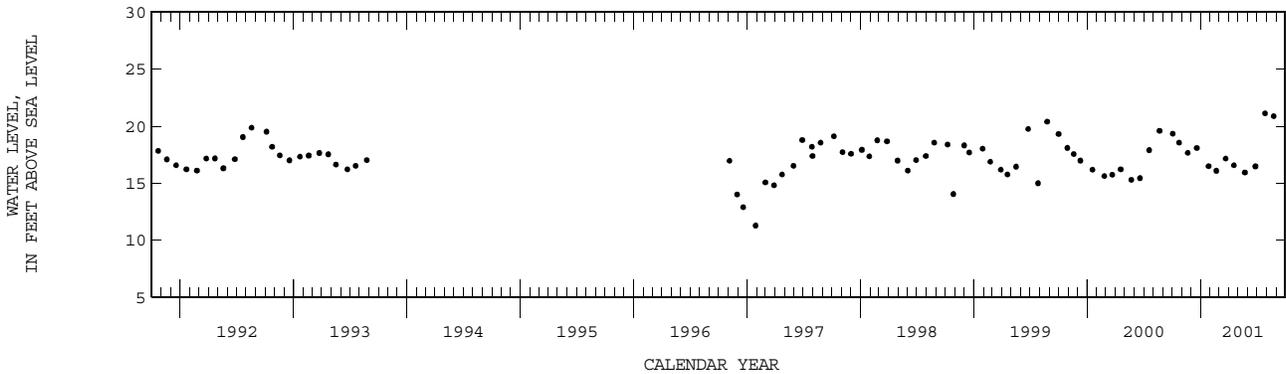
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--June 1970 to September 1996 (daily), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.20 ft NGVD, Sept. 25, 1995; lowest water level measured, 11.27 ft NGVD, Jan. 28, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1013	19.33	18...	1405	16.56
23...	1558	18.54	MAY		
NOV			23...	1710	15.92
20...	1551	17.64	JUN		
DEC			26...	0956	16.46
19...	1020	18.07	JUL		
JAN			27...	1610	21.10
26...	1105	16.47	AUG		
FEB			24...	1510	20.86
20...	1520	16.07			
MAR					
22...	0900	17.14			



LEE COUNTY--Continued

WELL NUMBER.--263955082083101. Local Number L 2527.

LOCATION.--Lat 26°39'53", long 82°08'31", in SE ¼ SE ¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, 19 ft west of Stringfellow Road (CR-767), 3.95 mi north of Pine Island Road and 3.0 mi southeast of Bokeelia Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 605 ft, cased to 360 ft, open hole 360 to 605 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 8.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 2.50 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 7.60 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 3.14 ft above land-surface datum. See REMARKS.

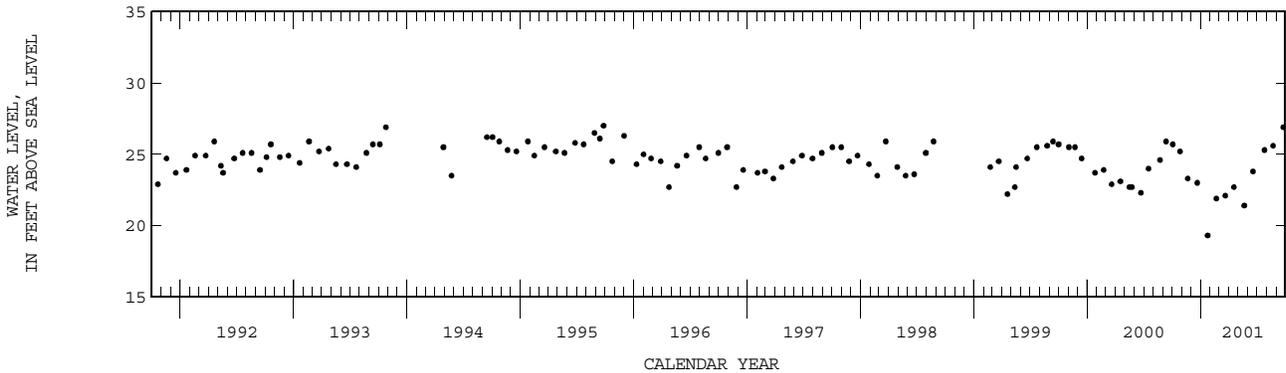
REMARKS.--Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--January 1978 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.2 ft NGVD, Sept. 30, 1981; lowest, 19.3 ft NGVD, Jan. 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1519	25.70	18...	0835	22.70
26...	0803	25.20	MAY		
NOV			21...	1135	21.40
20...	0801	23.30	JUN		
DEC			18...	1024	23.80
21...	1557	23.00	JUL		
JAN			25...	0909	25.30
23...	1316	19.30	AUG		
FEB			22...	1533	25.60
20...	0804	21.90	SEP		
MAR			24...	1143	26.90
21...	0844	22.10			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--263955082083102. Local Number L 2820.

LOCATION.--Lat 26°39'53", long 82°08'31", in SE ¼ SE ¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, 10 ft west of Stringfellow Road (CR-767) and 3.95 mi north of Pine Island Road, and 3.0 mi southwest of Bokeelia Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 241 ft, cased to 192 ft, open hole 192 to 241 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage or chalked tape.

DATUM.--Land-surface datum is 7.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: For pressure-gage measurements, top of 8 in. casing, 3.00 ft above land-surface datum; for chalked tape measurements, top of cap, 3.48 ft above land-surface datum.

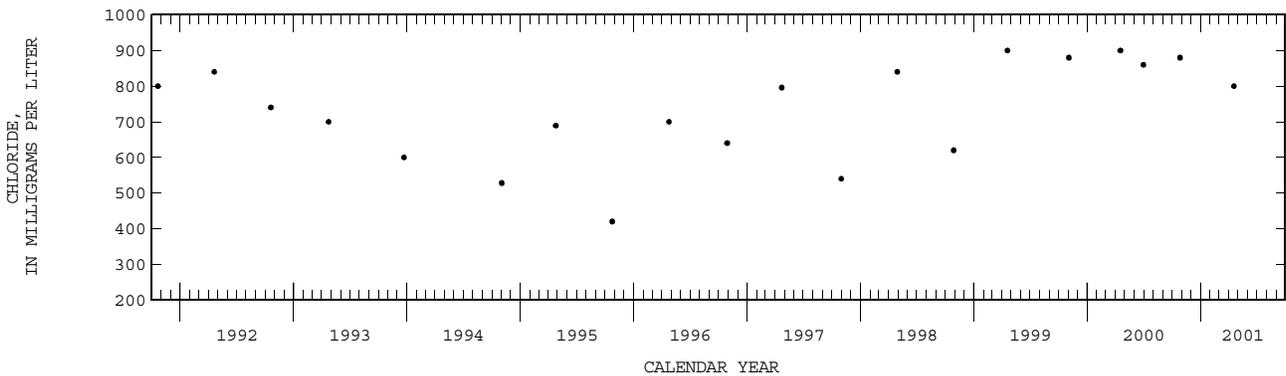
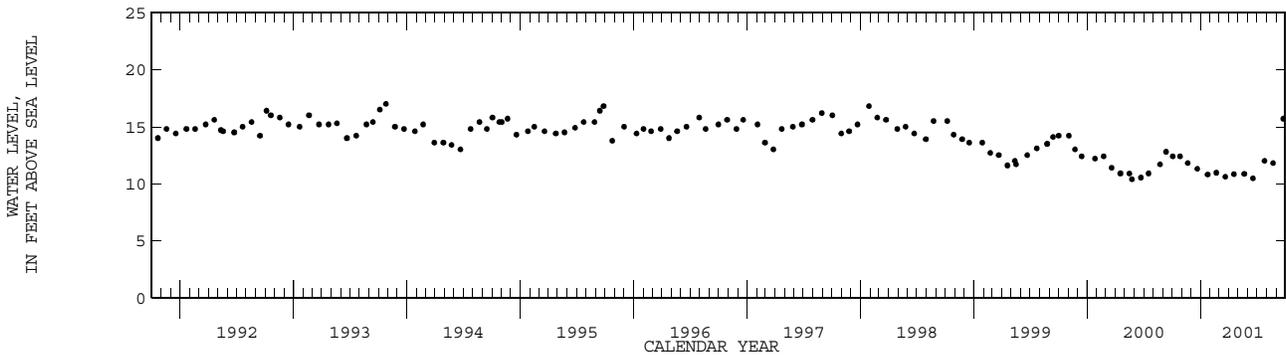
REMARKS.--Well is also used for salinity monitoring. This well is open to the aquifer from 192 to 241 ft. The exact depth from which the chloride containing water is emanating cannot be further delineated.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.6 ft NGVD, Nov. 26, 1985; lowest, 10.38 ft NGVD, May 24, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 03...	1517	--	--	12.40	APR 18...	0819	2940	800	10.84
26...	0759	3120	880	12.40	MAY 21...	1138	--	--	10.85
NOV 20...	0758	--	--	11.80	JUN 18...	1029	--	--	10.46
DEC 21...	1546	--	--	11.30	JUL 25...	0907	--	--	12.00
JAN 23...	1312	--	--	10.80	AUG 22...	1530	--	--	11.80
FEB 20...	0800	--	--	10.96	SEP 24...	1140	--	--	15.70
MAR 21...	0839	--	--	10.60					



LEE COUNTY--Continued

WELL NUMBER.--263955082083103. Local Number L 2549.

LOCATION.--Lat 26°39'53", long 82°08'31", in SE ¼ SE ¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, 19 ft west of Stringfellow Road (CR-767), 3.95 mi north of Pine Island Road, 3.0 mi southeast of Bokeelia Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 80 ft, cased to 58 ft, open hole 58 to 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

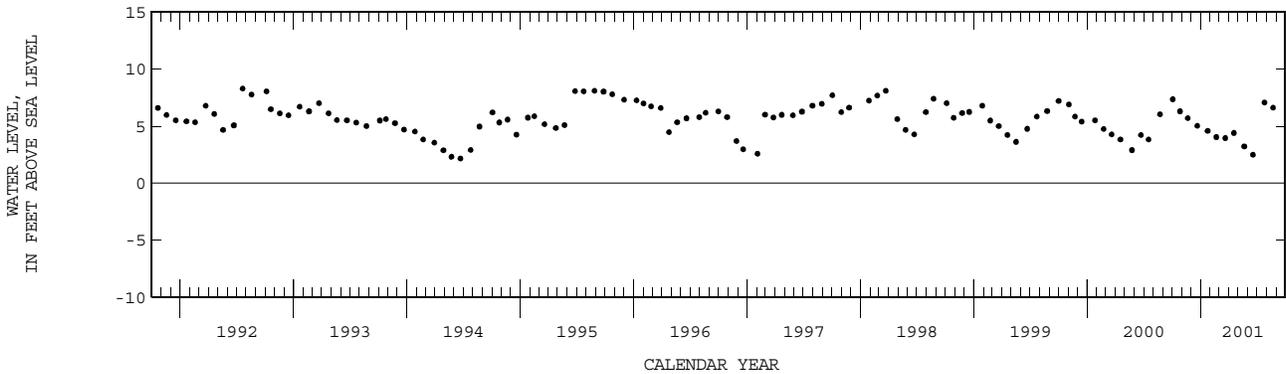
REMARKS.--Record of water levels prior to October 1978 are available in files of the Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.38 ft NGVD, Mar. 31, 1987; lowest, 2.15 ft NGVD, June 22, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1521	7.35	18...	0833	4.39
26...	0805	6.29	MAY		
NOV			21...	1140	3.21
20...	0755	5.69	JUN		
DEC			18...	1026	2.47
21...	1543	5.02	JUL		
JAN			25...	0910	7.06
23...	1318	4.57	AUG		
FEB			22...	1531	6.60
20...	0756	4.03			
MAR					
21...	0841	3.94			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--264002082012801. Local Number L 2700.

LOCATION.--Lat 26°40'02", long 82°01'29", in SE ¼ SE ¼ sec.5, T.44 S., R.23 E., Hydrologic Unit 03100103, at intersection of Tropicana Parkway and NW 24th Place in median, 2 mi north of Pine Island Road and 3.8 mi northeast of Matlacha Post Office.  
 AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 205 ft, cased to 165 ft, open hole 165 to 205 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage or chalked tape.

DATUM.--Land-surface datum is 7.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. steel cap, 2.40 ft above land-surface datum. Prior to October 2000, land-surface datum was considered to be 7.14 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.40 ft above land-surface datum. See REMARKS.

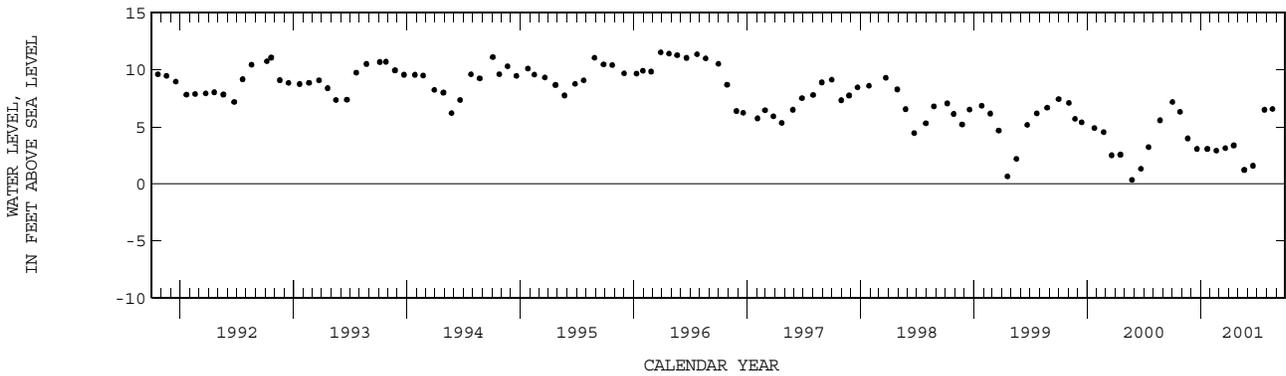
REMARKS.--In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.0 ft NGVD, Sept. 27, 1979; lowest, 0.32 ft NGVD, May 24, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1120	7.17	17...	0906	3.36
26...	1009	6.30	MAY		
NOV			21...	1102	1.21
20...	0850	3.97	JUN		
DEC			18...	0958	1.57
20...	1528	3.05	JUL		
JAN			25...	0845	6.48
22...	1655	3.05	AUG		
FEB			20...	1356	6.55
20...	0850	2.89			
MAR					
21...	0813	3.11			



LEE COUNTY--Continued

WELL NUMBER.--264053081572501. Local Number L 4820.

LOCATION.--Lat 26°40'57", long 81°57'25", in NW ¼ NW ¼ SEC. 6, T.44 S., R.24 E., Hydrologic Unit 03090205, at the southeast corner of Andalusia Boulevard and East Diplomat Parkway, and 4.5 mi northwest of North Ft. Myers Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 190 ft cased to 128 ft open hole 128 to 190 ft.

INSTRUMENTATION.--Satellite data collection platform with continuous conductivity probe.

DATUM.--Land-surface datum is 14.17 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top of recorder shelf, 2.50 ft above land-surface datum.

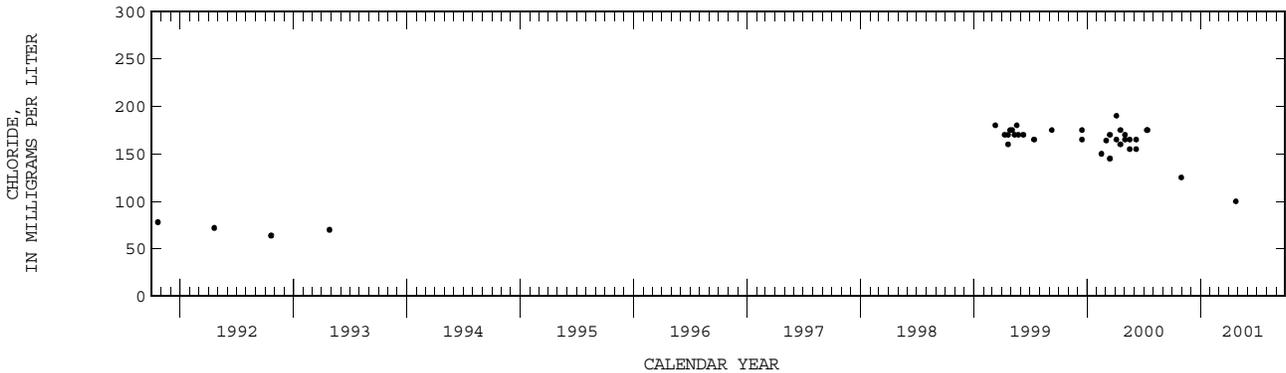
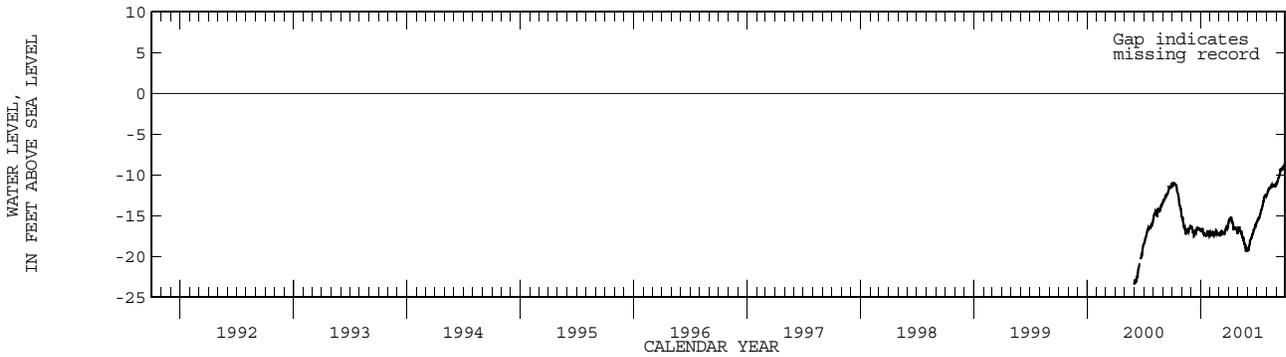
REMARKS.--Continuous conductivity records and chloride sample results for previous years are available in the files of the U.S. Geological Survey. Records of water levels prior to October 1983 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--March 1981 to September 1996 (monthly), April 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.15 ft NGVD, Sept. 28, 1984; lowest daily maximum water level, 23.49 ft below NGVD, May 31, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-11.00	-15.80	-16.74	-16.68	-17.34	-17.25	-15.35	-16.33	-18.80	-15.48	-12.04	-10.70
10	-11.18	-16.53	-17.53	-17.02	-17.12	-16.78	-15.59	-16.92	-17.91	-15.02	-11.70	-10.13
15	-11.57	-16.89	-16.73	-17.29	-17.40	-17.04	-16.06	-17.63	-17.35	-14.26	-11.32	-9.32
20	-12.50	-17.05	-16.48	-17.26	-17.07	-16.90	-16.40	-18.18	-16.72	-13.46	-11.38	-9.26
25	-13.75	-16.57	-16.67	-17.30	-17.23	-16.61	-16.57	-18.99	-16.27	-12.62	-11.18	-8.95
EOM	-15.06	-16.34	-16.81	-16.96	-17.45	-15.67	-16.86	-19.19	-15.84	-12.47	-11.12	-8.45
MAX	-10.98	-15.11	-16.34	-16.53	-16.93	-15.67	-15.26	-16.33	-15.84	-12.45	-11.12	-8.39



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--264101081443001. Local Number L 652.

LOCATION.--Lat 26°41'00", long 81°44'27", in NW ¼ NW ¼ sec.5, T.44 S., R.26 E., Hydrologic Unit 03090205, at J. Hudson House, 0.30 mi east of Orange River Loop Road, 0.50 mi north of Orange River Road, and 8.5 mi northeast of Fort Myers Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 598 ft, cased to 188 ft, open hole 188 to 598 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 6.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. plug, 2.01 ft above land-surface datum.

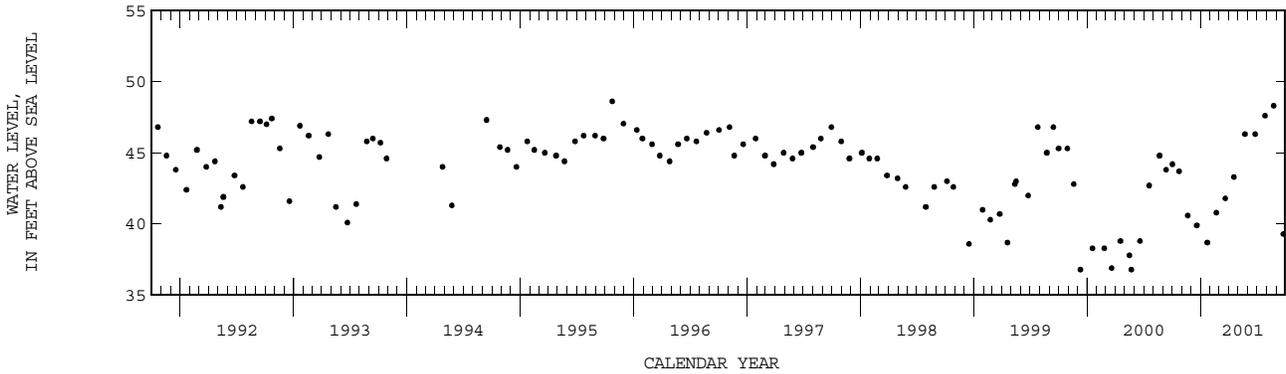
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--October 1967 to October 1969 (semiannual), February 1970 to August 1971 (quarterly), October 1971 to December 1974 (bimonthly), January 1975 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.60 ft NGVD, Oct. 24, 1995; lowest, 36.80 ft NGVD, Dec. 10, 1999, and May 22, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1008	44.20	18...	0720	43.30
23...	0953	43.70	MAY		
NOV			23...	0810	46.30
20...	1017	40.60	JUN		
DEC			25...	0844	46.30
19...	0737	39.90	JUL		
JAN			27...	0801	47.60
22...	0815	38.70	AUG		
FEB			24...	0751	48.30
20...	0735	40.80	SEP		
MAR			24...	0731	39.30
21...	0745	41.80			



LEE COUNTY--Continued

WELL NUMBER.--264120082022101. Local Number L 1113.

LOCATION.--Lat 26°41'27", long 82°02'20", in NW ¼ SW ¼ sec.32, T.43 S., R.23 E., Hydrologic Unit 03100103, 100 ft northeast of intersection of Van Buren Parkway and Burntstore Road, 3.5 mi north of Pine Island Road, and 5.1 mi northeast of Matlacha Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 230 ft, open hole 126 to 230 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage or chalked tape.

DATUM.--Land-surface datum is 7.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 2 in. casing, 3.30 ft above land surface datum. From April 1993 to September 2000 the land-surface datum was considered to be 5.95 ft above National Geodetic vertical Datum of 1929 and measuring point was considered to be 4.59 ft above land-surface datum. See REMARKS.

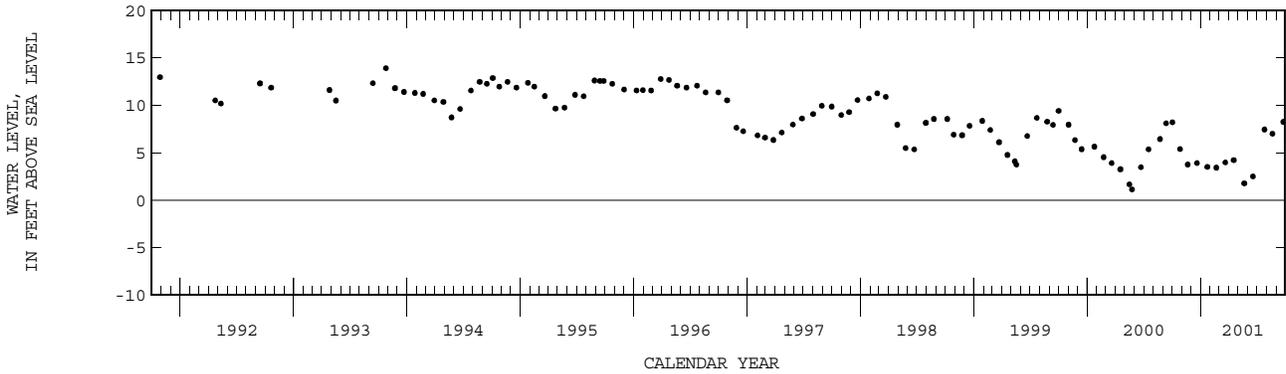
REMARKS.--From April 1993 to September 2000 the land-surface datum and height of the measuring point above land-surface datum were incorrect. The figures of water level as elevation in ft NGVD published for this period, are incorrect. These figures have been corrected and are available in the files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--February 1970 to September 1993 (intermittent), October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.4 ft NGVD, Oct. 12, 1976; lowest, 0.78 ft NGVD, May 24, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1111	8.21	17...	0854	4.22
26...	1016	5.38	MAY		
NOV			21...	1053	1.78
20...	0910	3.76	JUN		
DEC			18...	0947	2.50
20...	1514	3.91	JUL		
JAN			25...	0835	7.45
22...	1646	3.50	AUG		
FEB			20...	1347	7.00
20...	0859	3.43	SEP		
MAR			24...	1240	8.25
21...	0801	3.98			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--264147081562701. Local Number L 1111.

LOCATION.--Lat 26°41'49", long 81°56'23", in SW ¼ SW ¼ SW ¼ sec.29, T.43 S., R.24 E., Hydrologic Unit 03100103, 1,000 ft northeast of intersection of Del Prado and Kismet Parkway.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 165 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of thread of 2 in. PVC, 3.83 ft above land-surface datum. (Corrected).

REMARKS.--Conductivity and chloride profiles for previous water years are available in the files of the U.S. Geological Survey.

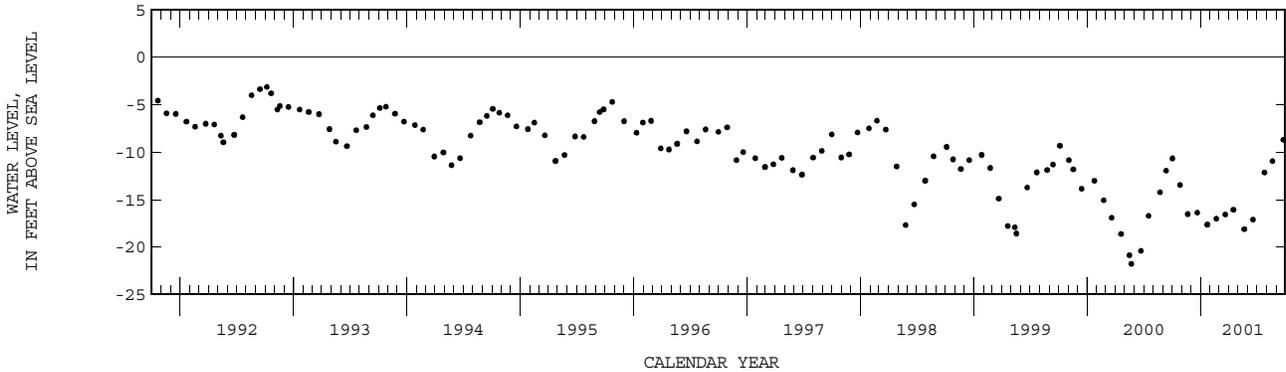
Records of water levels prior to February 1976 are available in the files of the Geological Survey

PERIOD OF RECORD.--May 1970 to July 1985 (intermittent), August 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.26 ft NGVD, May 15, 1980; lowest, 21.78 ft below NGVD, May 22, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1139	-10.67	16...	1702	-16.07
26...	1620	-13.46	MAY		
NOV			21...	1622	-18.13
20...	1048	-16.53	JUN		
DEC			18...	1222	-17.11
21...	1657	-16.39	JUL		
JAN			25...	1240	-12.15
22...	1747	-17.63	AUG		
FEB			20...	1420	-10.96
20...	1059	-17.01	SEP		
MAR			24...	1327	-8.72
21...	1326	-16.57			



LEE COUNTY--Continued

WELL NUMBER.--264153082022301. Local Number L 721.

LOCATION.--Lat 26°41'53", long 82°02'22", in SW ¼ SW ¼ sec.30, T.43 S., R.23 E., Hydrologic Unit 03100103, at northwest corner of SR-765 and Delilah Drive, 4.2 mi north of Pine Island Road and 5.1 mi northeast of Matlacha Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 18 ft, cased to 9 ft, slotted 9 to 18 ft. INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.62 ft above land-surface datum.

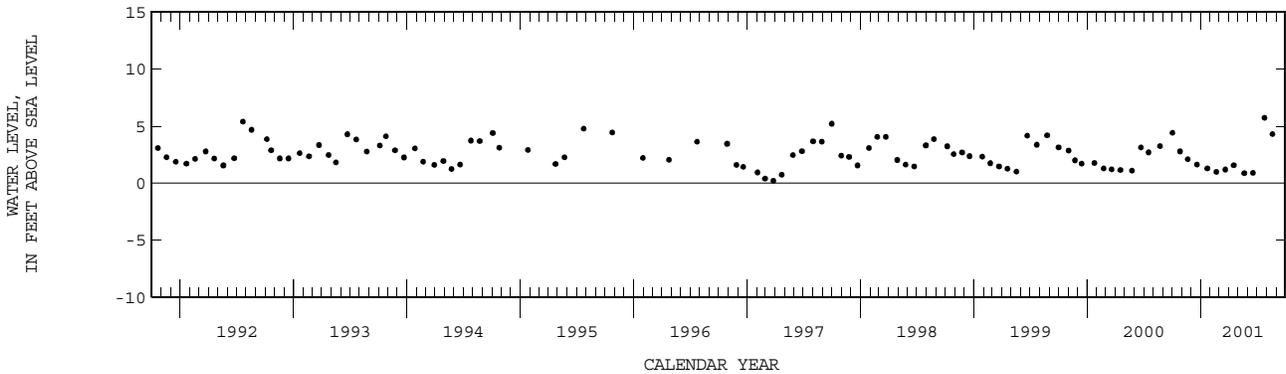
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--July 1968 to September 1994 (monthly), October 1994 to September 1996 (quarterly), September 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.72 ft NGVD, July 25, 2001; lowest, 0.20 ft NGVD, Mar. 26, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1106	4.40	17...	0851	1.56
26...	1021	2.77	MAY		
NOV			21...	1049	.86
20...	0915	2.09	JUN		
DEC			18...	0942	.89
20...	1510	1.62	JUL		
JAN			25...	0825	5.72
22...	1643	1.27	AUG		
FEB			20...	1342	4.29
20...	0904	.98			
MAR					
21...	0755	1.18			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--264241081582401. Local Number L 1110.

LOCATION.--Lat 26°42'42", long 81°58'24", in NW ¼ NW ¼ NW ¼ sec.25, T.43 S., R.23 E., Hydrologic Unit 03100103, northeast corner of Juanita Boulevard and Jacaranda Parkway, 1 mi north of Kismet Parkway, 2 mi west of Del Prado Boulevard, 2 mi north of Pine Island Road, 2 mi west of US 41, and 3.25 mi north of Ft. Myers Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 238 ft, open hole 147 to 238 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.13 ft above land-surface datum.

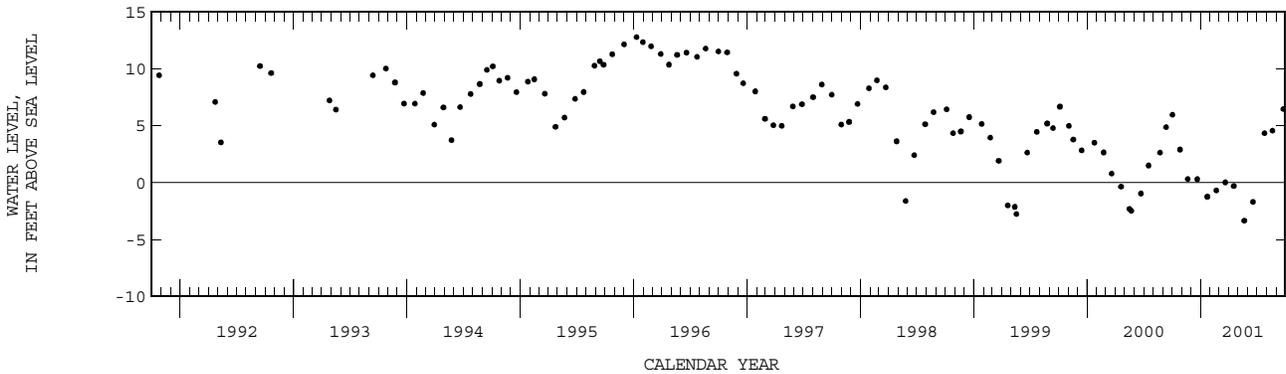
REMARKS.--Conductivity and chloride profiles for previous water years are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--February 1970 to September 1993 (intermittent), October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.38 ft NGVD, Oct. 12, 1976; lowest, 3.35 ft below NGVD, May 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1131	5.94	17...	0933	-0.31
26...	1610	2.89	MAY		
NOV			21...	1631	-3.35
20...	1057	.31	JUN		
DEC			18...	1211	-1.69
21...	1646	.30	JUL		
JAN			25...	1249	4.32
22...	1735	-1.24	AUG		
FEB			20...	1410	4.55
20...	1107	-0.70	SEP		
MAR			24...	1319	6.44
21...	1337	.02			



LEE COUNTY--Continued

WELL NUMBER.--264308081405402. Local Number L 2530.

LOCATION.--Lat 26°43'08", long 81°40'49", in NE ¼ SE ¼ sec.23, T.43 S., R.26 E., Hydrologic Unit 03090205, 0.25 mi north of SR 80, 0.30 mi east on Werner Drive and 4.3 mi west of Alva Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 614 ft, cased to 475 ft, 2 in. diameter open hole 475 to 614 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 7.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 2.70 ft above land-surface datum.

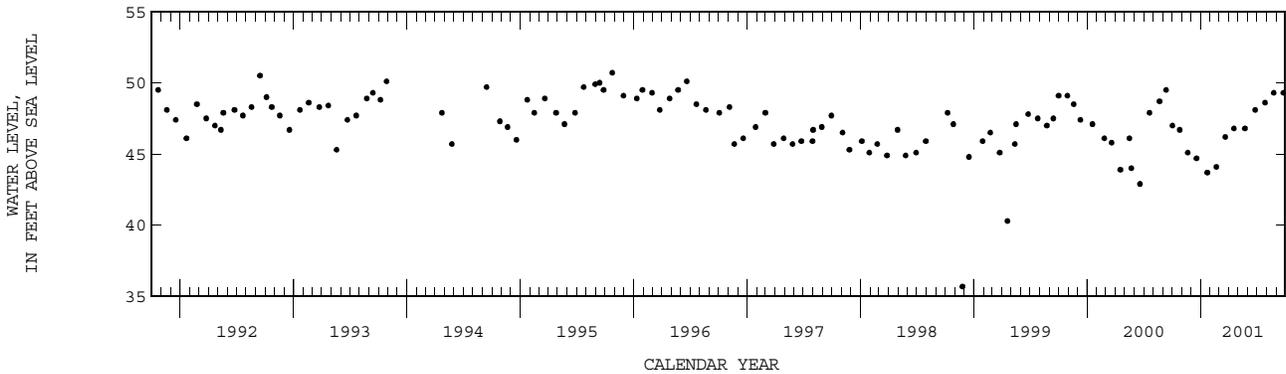
REMARKS.--Records of water levels prior to October 1979 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1978 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.4 ft NGVD, Sept. 9, 1985; lowest, 35.7 ft NGVD, Nov. 25, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1655	47.00	18...	0710	46.80
25...	1549	46.70	MAY		
NOV			23...	0824	46.80
20...	1635	45.10	JUN		
DEC			25...	0902	48.10
18...	1650	44.70	JUL		
JAN			27...	0819	48.60
22...	0845	43.70	AUG		
FEB			24...	0813	49.30
20...	0800	44.10	SEP		
MAR			24...	0744	49.30
21...	0756	46.20			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--264320081365701. Local Number L 1977.

LOCATION.--Lat 26°43'19", long 81°36'56", in NE ¼ NE ¼ sec.21, T.43 S., R.27 E., Hydrologic Unit 03090205, 11.5 ft west of Parkinson Road, 300 ft north of SR-78, and 0.7 mi northwest of Alva Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 185 ft, cased to 65 ft, screened 65 to 85 ft and cased 85 to 122 ft, open hole 122 to 185 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.19 ft below land-surface datum.

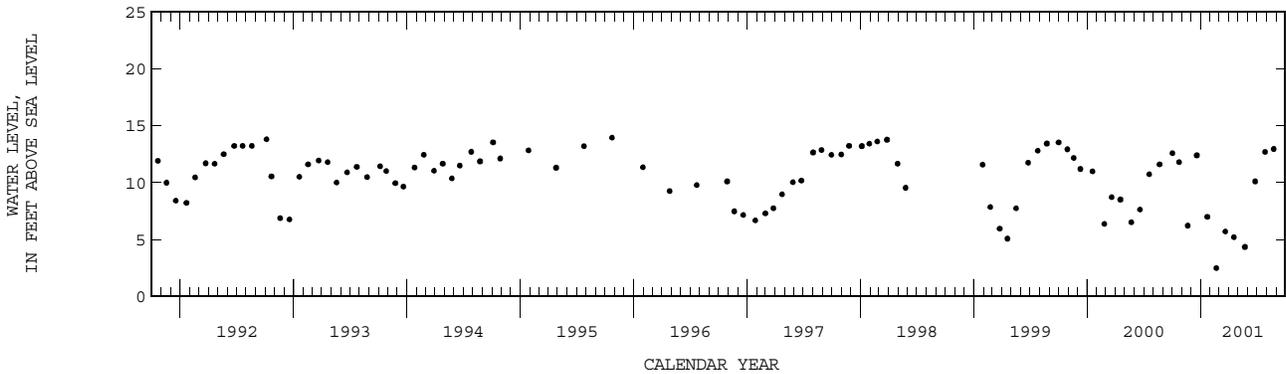
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--December 1974 to September 1994 (monthly), October 1994 to July 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.18 ft NGVD, Sept. 1, 1988; lowest, 2.50 ft NGVD, Feb. 20, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1125	12.58	18...	0750	5.21
23...	1117	11.79	MAY		
NOV			23...	0850	4.35
20...	1132	6.22	JUN		
DEC			25...	0918	10.10
19...	0850	12.39	JUL		
JAN			27...	0835	12.69
22...	0950	7.00	AUG		
FEB			24...	0831	12.95
20...	0820	2.50			
MAR					
21...	0810	5.70			



LEE COUNTY--Continued

WELL NUMBER.--264329081340401. Local Number L 2200.

LOCATION.--Lat 26°43'30", long 81°34'06", in NE ¼ NE ¼ sec.24, T.43 S., R.27 E., Hydrologic Unit 03090205, west side of the Lee/Hendry County Line and south side of SR-78, and 2.8 mi northeast of Alva Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 163 ft, cased to 122 ft, screened 122 to 163 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

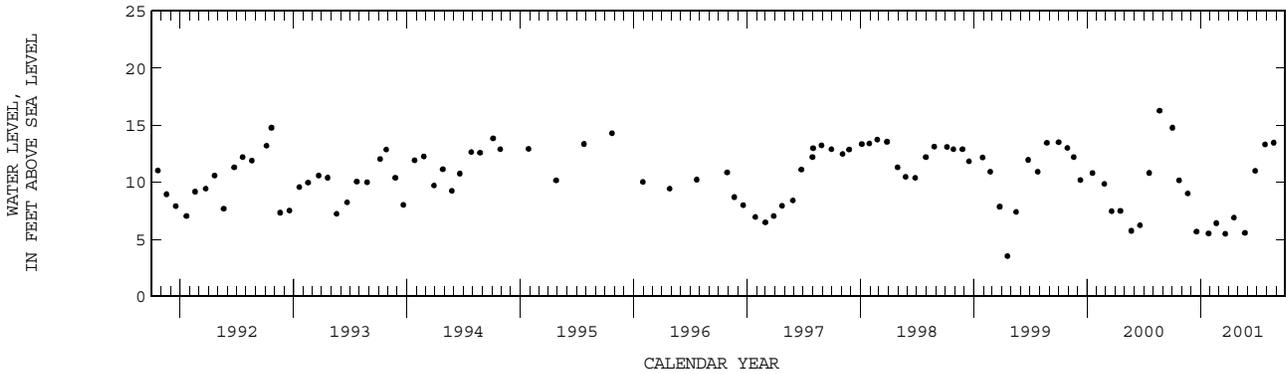
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1975 to September 1994 (monthly), October 1994 to July 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.32 ft NGVD, Sept. 23, 1986; lowest, 3.51 ft NGVD, Apr. 19, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1149	14.77	APR 18...	0900	6.88
23...	1154	10.16	MAY 23...	1024	5.55
NOV 20...	1155	9.01	JUN 25...	1224	10.98
DEC 18...	1512	5.66	JUL 27...	1113	13.30
JAN 26...	1140	5.50	AUG 24...	1031	13.46
FEB 20...	1005	6.40			
MAR 21...	0925	5.47			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--264329081340402. Local Number L 2202.

LOCATION.--Lat 26°43'30", long 81°34'06", in NE ¼ NE ¼ sec.24, T.43 S., R.27 E., Hydrologic Unit 03090205, west side of the Lee/Hendry County Line and south side of SR-78, and 2.8 mi northeast of Alva Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 17.4 ft, cased to 7.4 ft, screened 7.4 to 17.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

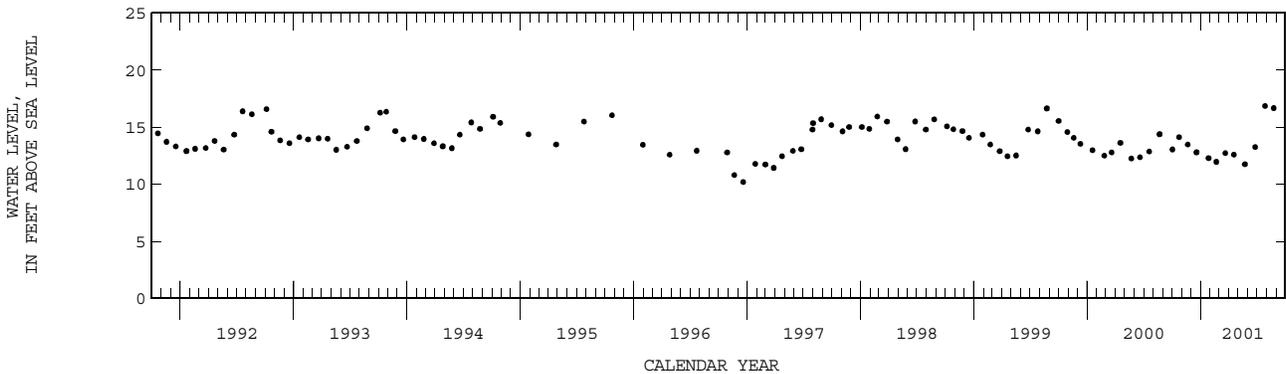
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1975 to September 1994 (monthly), October 1994 to July 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.94 ft NGVD, Feb. 28, 1983; lowest, 10.19 ft NGVD, Dec. 19, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1419	13.04	18...	0905	12.59
23...	1159	14.12	MAY		
NOV			23...	1025	11.74
20...	1155	13.47	JUN		
DEC			25...	1227	13.25
18...	1514	12.79	JUL		
JAN			27...	1116	16.85
26...	1145	12.28	AUG		
FEB			24...	1030	16.67
20...	1000	11.95			
MAR					
21...	0930	12.71			



LEE COUNTY--Continued

WELL NUMBER.--264359081424701. Local Number L 1975.

LOCATION.--Lat 26°43'59", long 81°42'45", in SE ¼ NE ¼ sec.16, T.43 S., R.26 E., Hydrologic Unit 03090205, at northwest corner of SR-78 and North Olga Drive, and 6.5 mi west of Alva Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 168 ft, cased to 102 ft, screened 102 to 142 ft, cased 142 to 158 ft, open hole 158 to 168 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape or pressure gage.

DATUM.--Land-surface datum is 13.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 inch cap, 2.47 ft above land-surface datum. (Corrected).

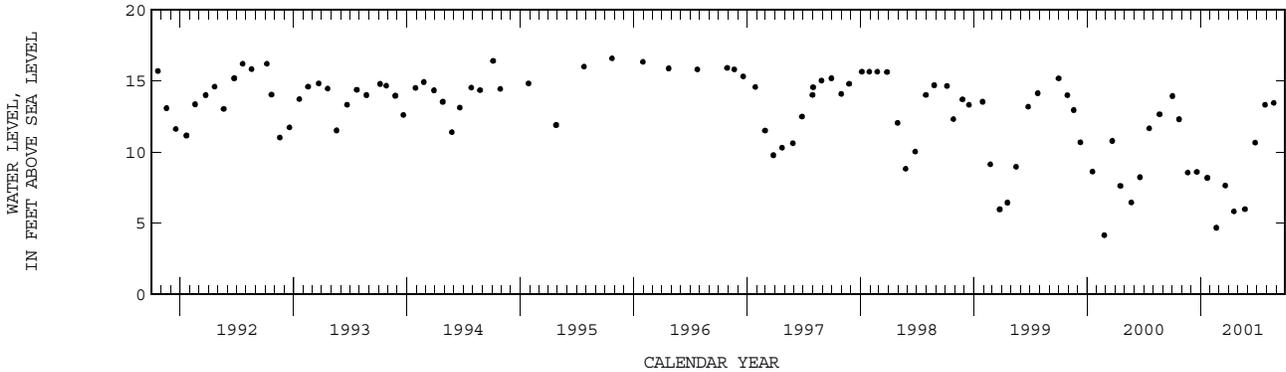
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--December 1974 to September 1994 (monthly), October 1994 to July 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.02 ft NGVD, Nov. 29, 1979; lowest, 4.17 ft NGVD, Feb. 25, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1103	13.93	18...	0755	5.84
23...	1106	12.30	MAY		
NOV			23...	0902	5.99
20...	1110	8.56	JUN		
DEC			25...	0933	10.66
19...	0840	8.60	JUL		
JAN			27...	0852	13.31
22...	0935	8.19	AUG		
FEB			24...	0845	13.45
20...	0840	4.69			
MAR					
21...	0825	7.65			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--264359081424702. Local Number L 1976.

LOCATION.--Lat 26°43'59", long 81°42'45", in SE ¼ NE ¼ sec.16, T.43 S., R.26 E., Hydrologic Unit 03090205, at northwest corner of SR-78 and North Olga Drive, and 6.5 mi west of Alva Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

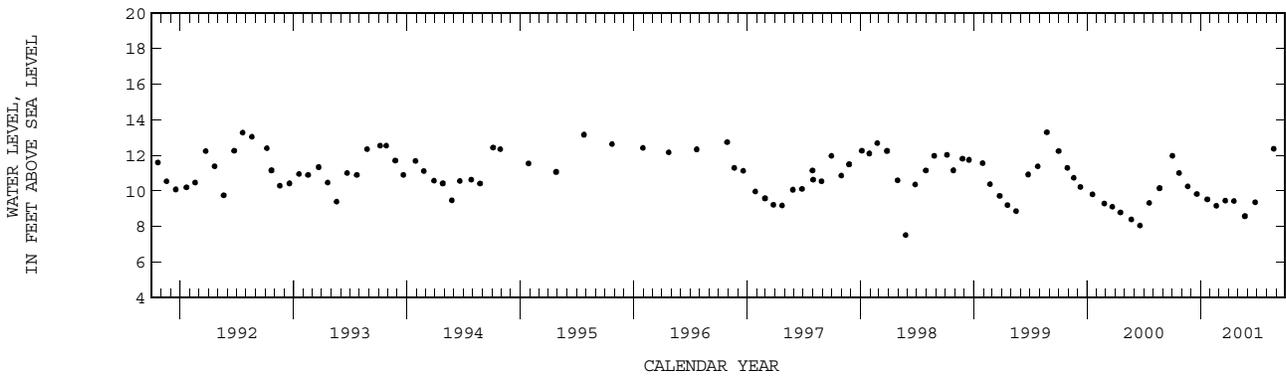
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1974 to September 1994 (monthly), October 1994 to July 1996 (quarterly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.29 ft NGVD, Aug. 24, 1999; lowest, 7.52 ft NGVD, May 26, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
02...	1100	11.98	21...	0827	9.46
23...	1104	11.01	APR		
NOV			18...	0800	9.44
20...	1113	10.26	MAY		
DEC			23...	0906	8.59
19...	0841	9.83	JUN		
JAN			25...	0939	9.36
22...	0940	9.53	AUG		
FEB			24...	0851	12.37
20...	0845	9.17			



LEE COUNTY--Continued

WELL NUMBER.--264427081362601. Local Number L 2531.

LOCATION.--Lat 26°44'35", long 81°36'23", in SE ¼ SW ¼ sec.10, T.43 S., R.27 E., Hydrologic Unit 03090205, 2 mi north of Alva on Persimmon Ridge Road on west side of road and 1.2 mi north of SR-78.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 605 ft, cased to 345 ft, open hole 345 to 605 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 19.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. PVC casing, 1.00 ft above land-surface datum.

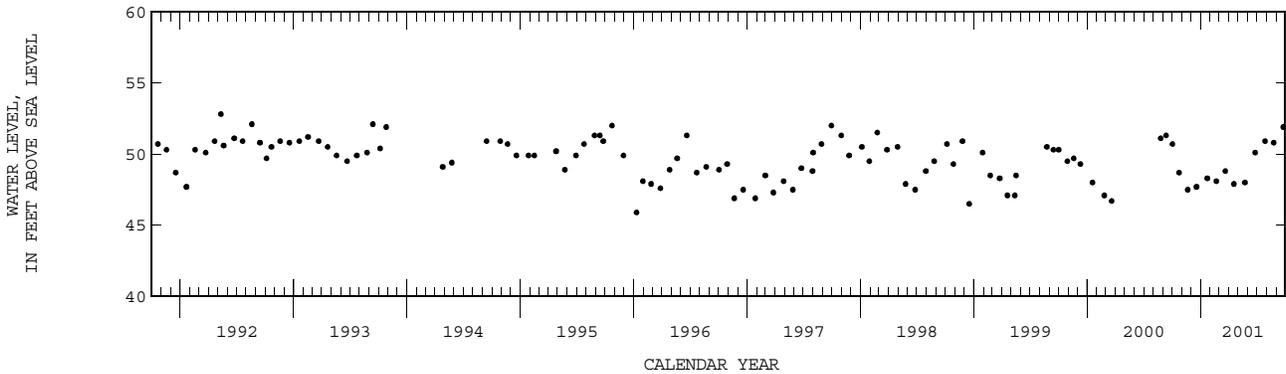
REMARKS.--Records of water levels prior to October 1983 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--March 1978 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.6 ft NGVD, Sept. 1, 1988; lowest, 45.9 ft NGVD, Jan. 10, 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1132	50.70	18...	0845	47.90
23...	1143	48.70	MAY		
NOV			23...	0958	48.00
20...	1141	47.50	JUN		
DEC			25...	1158	50.10
18...	1533	47.70	JUL		
JAN			27...	1059	50.90
22...	1000	48.30	AUG		
FEB			24...	1005	50.80
20...	0950	48.10	SEP		
MAR			24...	0757	51.90
21...	0906	48.80			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--264433081360601. Local Number L 5708.

LOCATION.--Lat 26°44'31", long 81°36'09", in SE ¼ SE ¼ sec.10, T.43 S., R.27 E., Hydrologic Unit 03090205, 250 ft west of Frank Green house, 700 ft south of Persimmons Ridge Road, 1.6 mi north then west of intersection of SR-78 and Persimmons Ridge Road and 1.9 mi north of Alva.

AQUIFER.--Upper Floridan aquifer of the Oligocene Age, Geologic Unit 120 UFAQ.

WELL CHARACTERISTICS.--Driven, observation, artesian well, diameter 6 in., depth 920 ft, cased to 620 ft, open hole 620 to 902 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

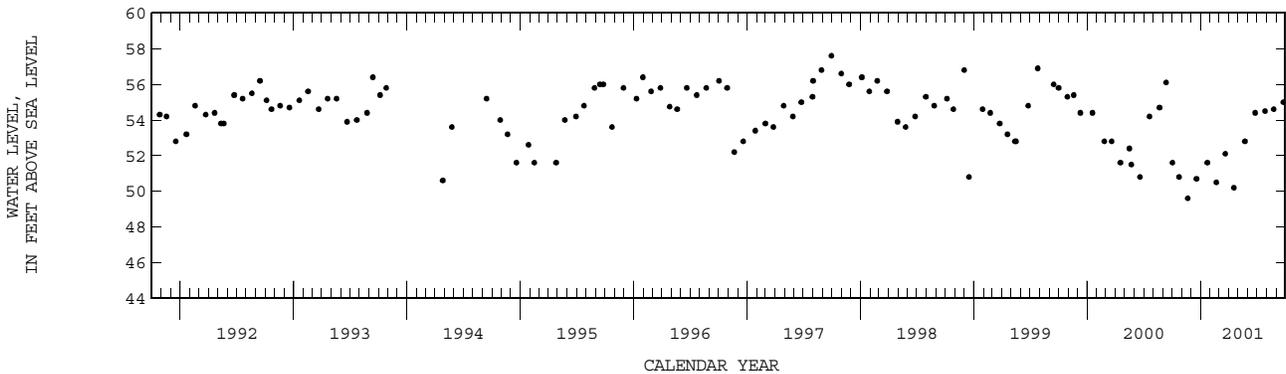
DATUM.--Land-surface datum is 19.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. by 2 in. reducer, 2.55 ft above land-surface datum.

PERIOD OF RECORD.--May 1984 to March 1990 (intermittent), April 1990 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.6 ft NGVD, Sept. 30, 1986, Sept. 29, 1997; lowest, 49.6 ft NGVD, Nov. 20, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1139	51.60	18...	0850	50.20
23...	1148	50.80	MAY		
NOV			23...	1609	52.80
20...	1144	49.60	JUN		
DEC			25...	1209	54.40
18...	1540	50.70	JUL		
JAN			27...	1015	54.50
22...	1030	51.60	AUG		
FEB			24...	1015	54.60
20...	0940	50.50	SEP		
MAR			24...	0807	55.00
21...	0916	52.10			



LEE COUNTY--Continued

WELL NUMBER.--264517081513201. Local Number L 2341.

LOCATION.--Lat 26°45'18", long 81°51'24", in NW ¼ NW ¼ sec.7, T.43 S., R.25 E., Hydrologic Unit 03100103, at southeast corner of intersection of Nalle Grade Road and Huber Road, 15 ft east of Huber Road, 47 ft south of Nalle Grade Road, 0.4 mi west of Slater Road, 4 mi north of SR-78 and 6.1 mi northeast of North Fort Myers Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 585 ft, cased to 300 ft, open hole 300 to 585 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 23.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 1.60 ft above land-surface datum. Prior to October 2000 land-surface datum was considered to be 22.77 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.40 ft above land-surface datum. See REMARKS.

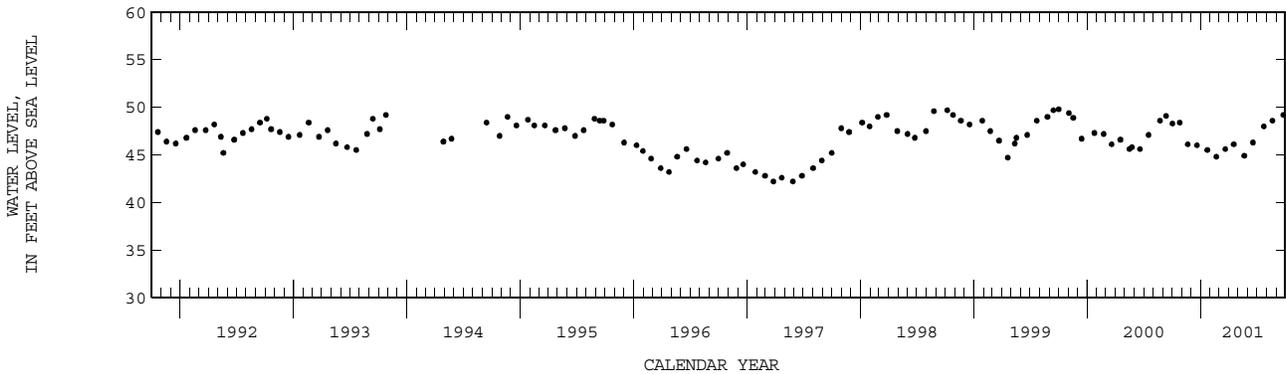
REMARKS.--Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey. In the 2001 water year land-surface datum and height of the measuring point above land-surface datum were corrected based on field observations. Because these corrections did not affect the overall measuring point elevation, the figures of water levels as elevation from preceding years are unaffected. See DATUM.

PERIOD OF RECORD.--September 1976 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.0 ft NGVD, Dec. 27, 1985; lowest, 42.2 ft NGVD, Mar. 26 and May 28, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1005	48.30	17...	0655	46.10
25...	1820	48.40	MAY		
NOV			21...	0931	44.90
20...	1023	46.10	JUN		
DEC			18...	0839	46.30
20...	1337	46.00	JUL		
JAN			23...	1436	48.00
22...	1457	45.50	AUG		
FEB			20...	1250	48.60
20...	1030	44.80	SEP		
MAR			24...	0848	49.20
21...	0640	45.60			



LEE COUNTY--Continued

WELL NUMBER.--264517082022101. Local Number L 1059.

LOCATION.--Lat 26°45'14", long 82°02'18", in NE ¼ NE ¼ NE ¼ sec.7, T.43 S., R.23 E., Hydrologic Unit 03100103, 48 ft west of SR-765, 8.0 mi north of Pine Island Road (SR-78), and 8.8 mi northeast of Matlacha Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRRN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 189 ft, cased to 156 ft, open hole 156 to 189 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage or chalked tape.

DATUM.--Land-surface datum is 10.55 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of bushing, 3.87 ft above land-surface datum. Prior to October 1, 1997, measuring point was considered to be 3.62 ft above land-surface datum. See REMARKS.

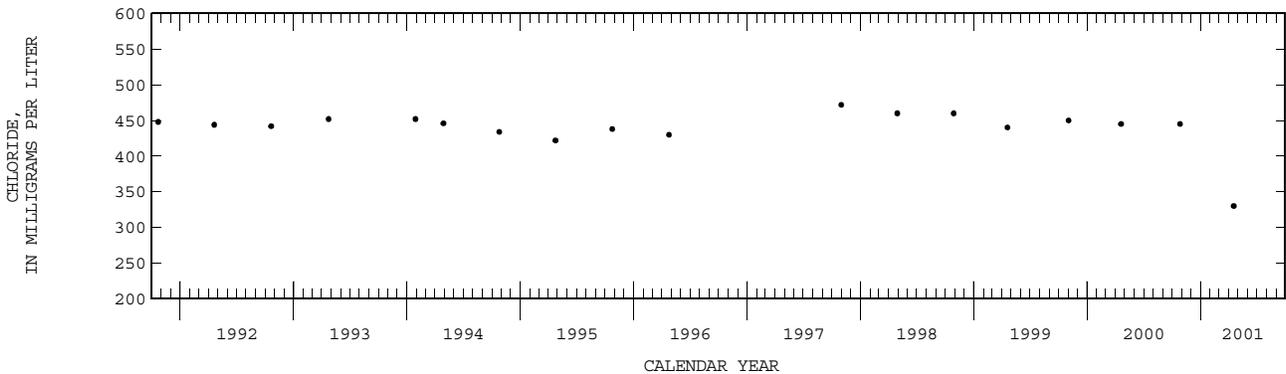
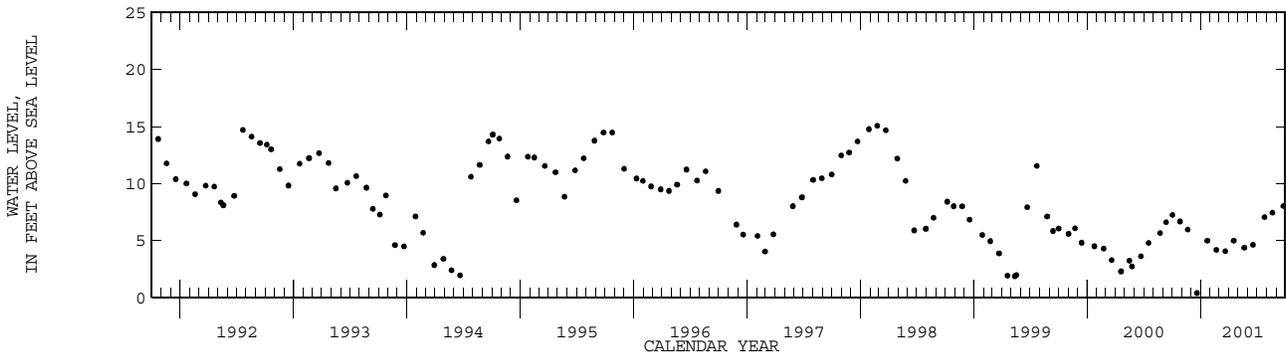
REMARKS.-- Well is also used for salinity monitoring. The well was originally open to the aquifer from depth of 156 to 189 ft. The open-hole portion of the well has collapsed or become obstructed. Chloride concentration samples are being collected from a depth of 156 ft. Record of water levels prior to October 1975 are available in files of the U.S. Geological Survey. The figures of water level as elevation, in feet NGVD, between the period September, 1994 to September, 1997 were in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--May 1970 to December 1974 (bimonthly), January 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.9 ft NGVD, Jan. 30, 1980; lowest, 0.38 ft NGVD, Dec. 20, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 02...	1101	--	--	7.23	APR 17...	0756	1700	330	4.97
26...	1030	1720	445	6.66	MAY 21...	1038	--	--	4.36
NOV 20...	0927	--	--	5.95	JUN 18...	0934	--	--	4.61
DEC 20...	1455	--	--	.38	JUL 25...	0817	--	--	7.03
JAN 22...	1620	--	--	4.97	AUG 20...	1335	--	--	7.42
FEB 20...	0913	--	--	4.17	SEP 24...	1246	--	--	8.01
MAR 21...	0741	--	--	4.04					



LEE COUNTY--Continued

WELL NUMBER.--264517082022102. Local Number L 2526.

LOCATION.--Lat 26°45'14", long 82°02'18", in NE ¼ NE ¼ sec.7, T.43 S., R.23 E., Hydrologic Unit 03100103, 48 ft west of SR-765, 8 mi north of SR-78, and 8.8 mi northeast of Matlacha Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 605 ft, cased to 300 ft, open hole 300 to 605 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 10.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing cap 2.83 ft above land-surface datum.

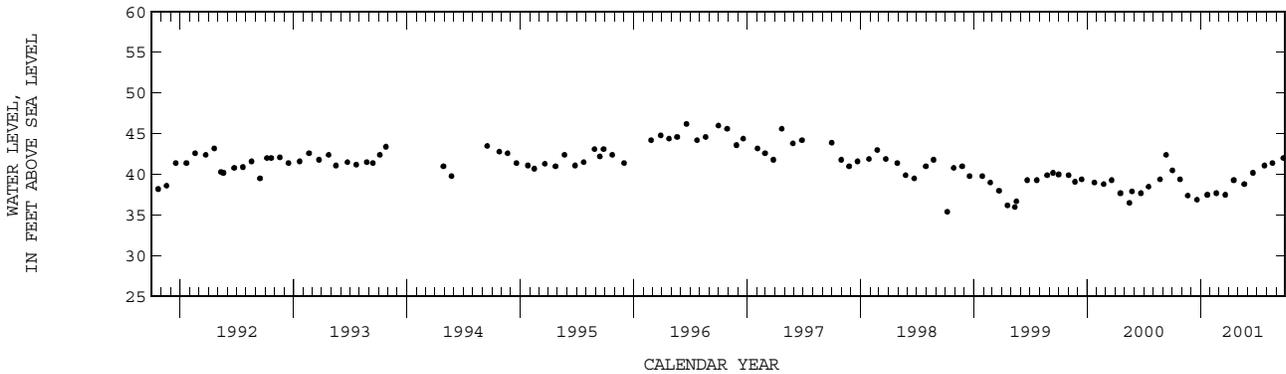
REMARKS.--Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1978 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.2 ft NGVD, June 19, 1996; lowest, 35.4 ft NGVD, Oct. 7, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1056	40.50	17...	0827	39.30
26...	1039	39.40	MAY		
NOV			21...	1036	38.80
20...	0925	37.40	JUN		
DEC			18...	0932	40.20
20...	1452	36.90	JUL		
JAN			25...	0816	41.10
22...	1618	37.50	AUG		
FEB			20...	1332	41.40
20...	0917	37.70	SEP		
MAR			24...	1247	42.00
21...	0743	37.50			



LEE COUNTY--Continued

WELL NUMBER.--264537081552202. Local Number L 2646.

LOCATION.--Lat 26°45'39", long 81°55'21", in NW ¼ SW ¼ sec.4, T.43 S., R.24 E., Hydrologic Unit 03100103, at intersection of Lakeville Drive and Dalewood Road, 14 ft east of Dalewood Road, 20 ft south of Lakeville Drive, 0.2 mi east of US 41, and 6.9 mi northwest of North Fort Myers Post Office.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 220 ft, cased to 170 ft, open hole 170 to 220 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum. For the period October 1995 to September 1997, measuring point was considered to be 2.35 ft above land-surface datum. See REMARKS.

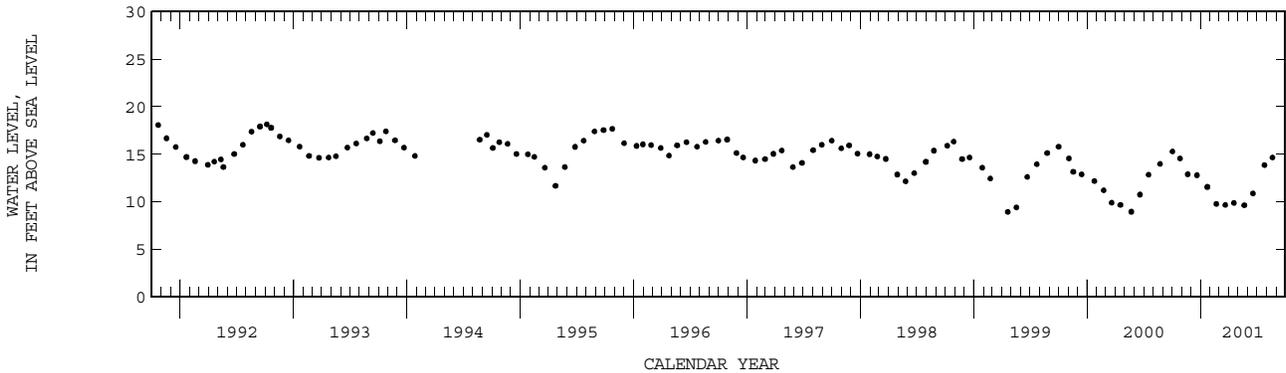
REMARKS.--Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey. The figures of water levels, as elevation in feet NGVD, for the period October 1995 to September 1997 were in error. Corrected records are in files of U.S. Geological Survey. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.36 ft NGVD, Sept. 28, 1978; lowest, 8.93 ft NGVD, Apr. 20, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1023	15.29	18...	1652	9.88
26...	1135	14.55	MAY		
NOV			21...	1007	9.63
20...	0954	12.90	JUN		
DEC			18...	0900	10.88
20...	1406	12.80	JUL		
JAN			25...	0739	13.87
22...	1551	11.56	AUG		
FEB			20...	1304	14.66
20...	0947	9.78			
MAR					
21...	0711	9.66			



LEE COUNTY--Continued

WELL NUMBER.--264608081454101. Local Number L 2216.

LOCATION.--Lat 26°46'11", long 81°45'41", in NE ¼ NE ¼ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of SR-31 at Lee/Charlotte County Line, and 10.0 mi northwest of Alva Post Office.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 150 ft, cased to 130 ft, screened 130 to 150 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum. (Corrected). See REMARKS.

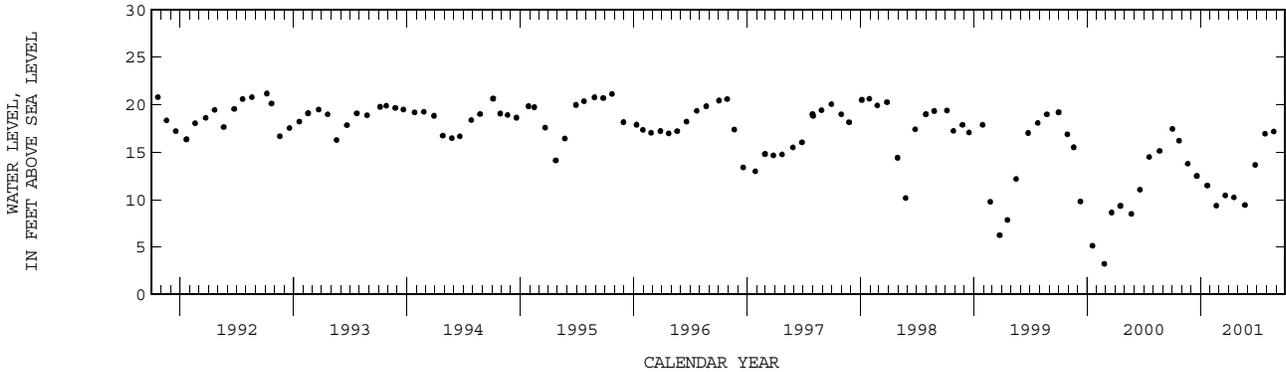
REMARKS.--In the 2001 water year the value published for land-surface datum was found to be incorrect and corrected. This change did not affect the figures of water level as elevation, in feet NGVD.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.16 ft NGVD, Oct. 6, 1992; lowest, 3.24 ft NGVD, Feb. 25, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1033	17.44	18...	0820	10.23
23...	1028	16.20	MAY		
NOV			23...	0924	9.43
20...	1043	13.78	JUN		
DEC			25...	1000	13.65
19...	0801	12.49	JUL		
JAN			27...	0911	16.92
22...	0920	11.48	AUG		
FEB			24...	0900	17.15
20...	0910	9.36			
MAR					
21...	0839	10.44			



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY--Continued

WELL NUMBER.--264608081454102. Local Number L 2217.

LOCATION.--Lat 26°46'11", long 81°45'41", in NE ¼ NE ¼ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of SR-31 at Lee/Charlotte County Line, and 10.0 mi northwest of Alva Post Office.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 18 ft, cased to 10 ft, screened 10 to 18 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

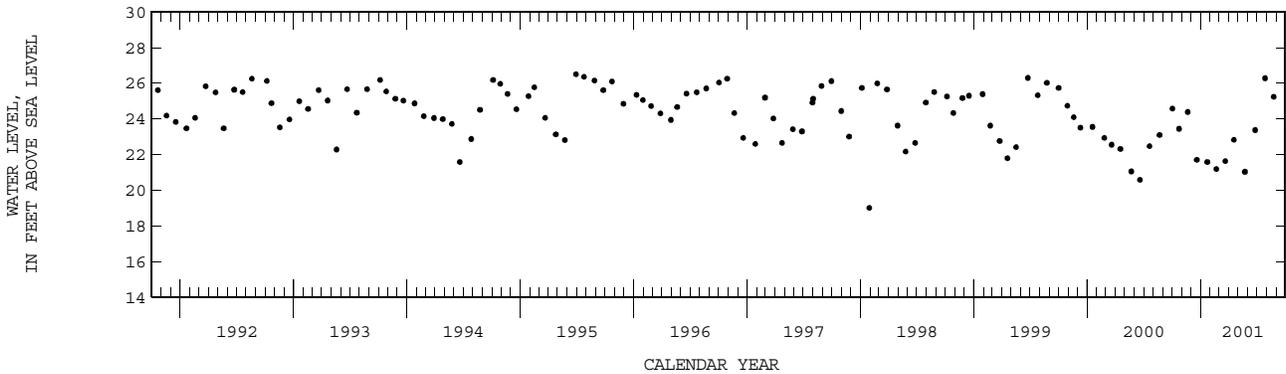
DATUM.--Land-surface datum is 26.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.75 ft NGVD, Aug. 30, 1977; lowest, 19.00 ft NGVD, Jan. 29, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1036	24.58	18...	0815	22.82
23...	1030	23.44	MAY		
NOV			23...	0925	21.03
20...	1044	24.39	JUN		
DEC			25...	0953	23.37
19...	0804	21.70	JUL		
JAN			27...	0910	26.28
22...	0925	21.58	AUG		
FEB			24...	0910	25.24
20...	0905	21.18			
MAR					
21...	0850	21.63			



LEE COUNTY--Continued

WELL NUMBER.--264608081454103. Local Number L 2328.

LOCATION.--Lat 26°46'11", long 81°45'41", in NE ¼ NE ¼ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of SR-31 at Lee/Charlotte County Line, and 10.0 mi northwest of Alva Post Office.

AQUIFER.--Lower Hawthorn aquifer of Oligocene to Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 600 ft, cased to 300 ft, open hole 300 to 600 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 26.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 1.91 ft above land-surface datum. (Corrected). See REMARKS.

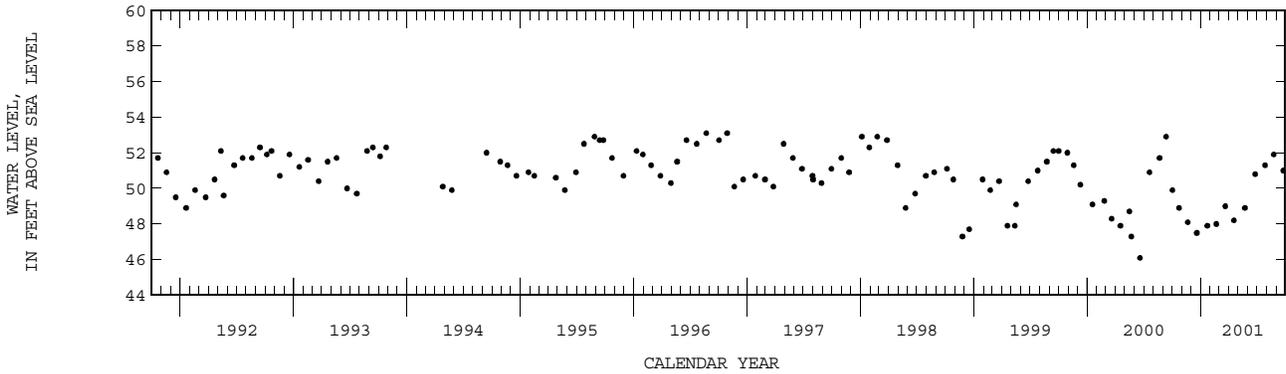
REMARKS.--In the 2001 water year the value published for the height of the measuring point above land-surface datum was found to be incorrect and was corrected. This change did not affect the figures of water level as elevation, in feet NGVD. Records of water levels prior to October 1982 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1976 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.3 ft NGVD, July 31 and Oct. 31, 1979; lowest, 46.1 ft NGVD, June 19, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1033	49.90	18...	0810	48.20
23...	1031	48.90	MAY		
NOV			23...	0929	48.90
20...	1050	48.10	JUN		
DEC			25...	0955	50.80
19...	0822	47.50	JUL		
JAN			27...	0921	51.30
22...	0915	47.90	AUG		
FEB			24...	0914	51.90
20...	0920	48.00	SEP		
MAR			24...	0829	51.00
21...	0848	49.00			



## MISCELLANEOUS WATER LEVEL MEASUREMENTS

LEE COUNTY

## MULTIPLE STATION ANALYSES

STATION	NUMBER	LOCAL IDENT- I- FIER	LAT- I- TUDE	LONG- I- TUDE	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
262513081471802	L -5668		26 25 13 N	081 47 18 W	10-25-00	1130	2230	600
			26 25 13 N	081 47 18 W	04-05-01	1030	2200	580
263125081511801	L - 331		26 33 26 N	081 51 21 W	10-25-00	1700	2930	680
			26 33 26 N	081 51 21 W	04-19-01	1030	2620	740
264055081583101	L -1109		26 40 57 N	081 58 28 W	10-06-00	1230	791	126
			26 40 57 N	081 58 28 W	04-17-01	0925	703	102

# Martin County

## VOLUME 2B: SOUTH FLORIDA

Key to site locations on figure # 19

## Martin County

Index Number	Site Number	Well Name	Page Number
1	270835080105801	M 1004	392
2	265822080052701	M 1024	389
3	270124080280202	M 1048	390
4	265725080141801	M 1234	388
5	270913080284901	M 1255	393
6	270609080163401	M 1261	391

VOLUME 2B: SOUTH FLORIDA

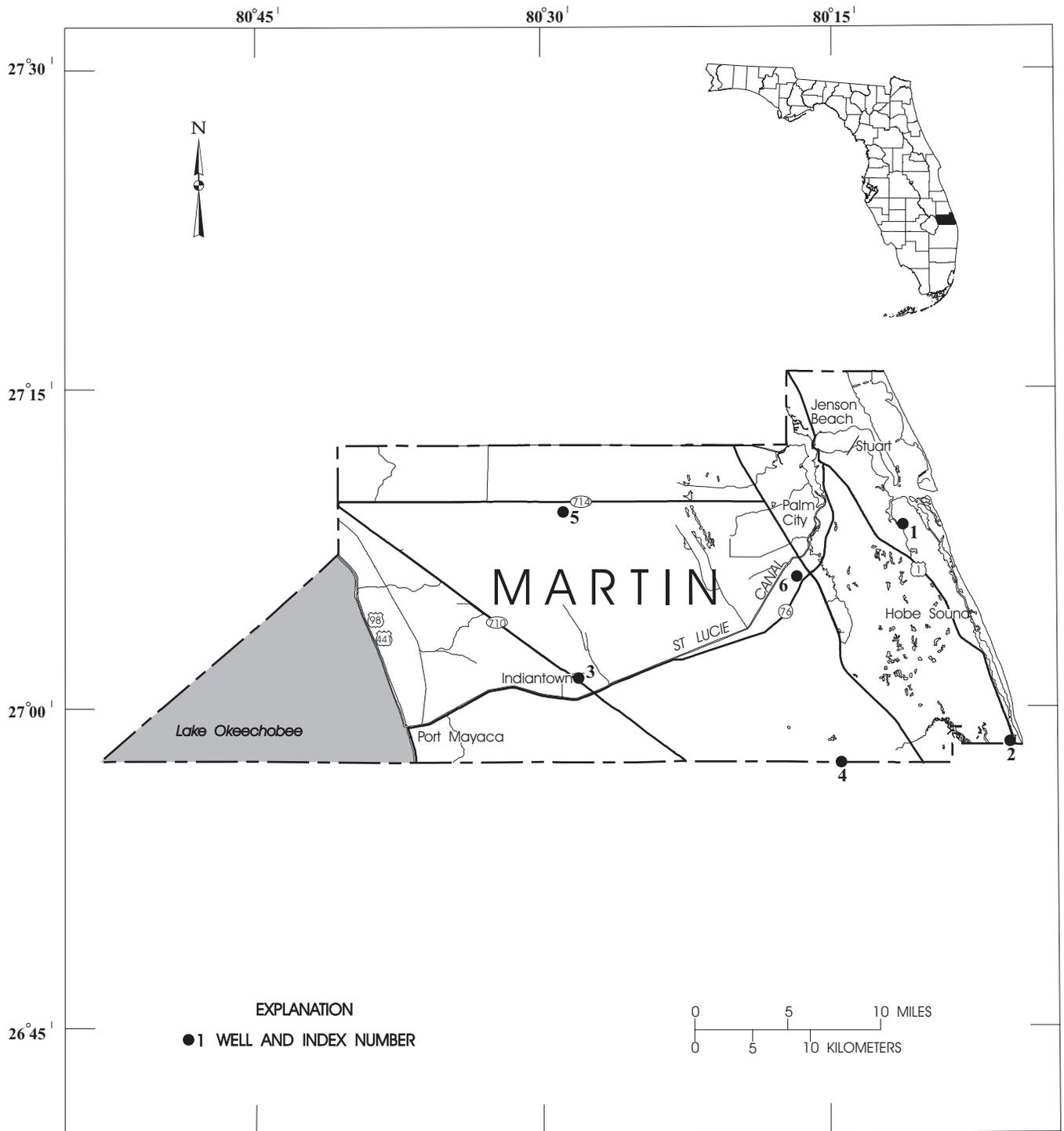


Figure 19: Location of wells in Martin County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY

WELL NUMBER.--265725080141801. Local Number M 1234. USGS Observation Well near Jupiter, Fl.

LOCATION.--Lat 26°57'25", long 80°14'18", in SW ¼ SW ¼ SW ¼ sec.18, T.40 S., R.41 E., Hydrologic Unit 03090202, located on Old Indiantown Road, 0.6 mi northwest of Mellon Lane, 4.6 mi west of junction of SR 706 and Florida Turnpike near Jupiter, Fl.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

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

INSTRUMENTATION.--Electronic data logger.

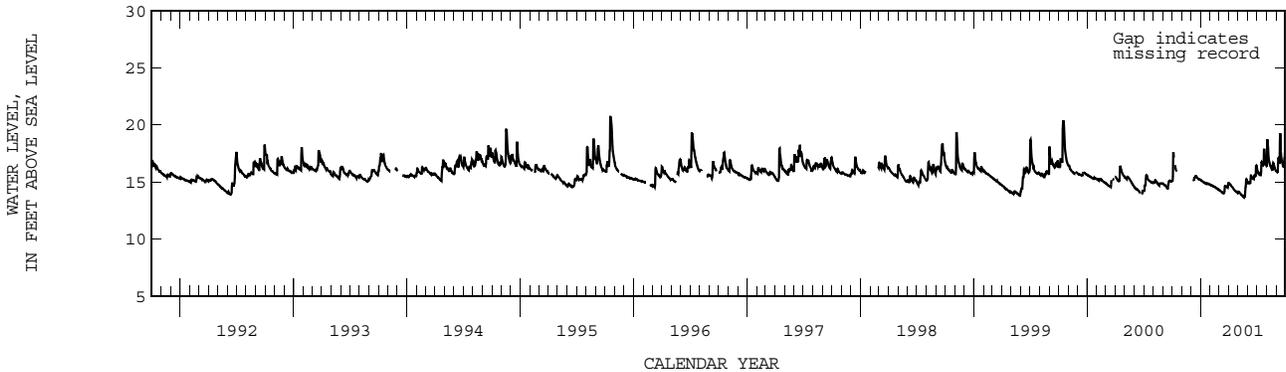
DATUM.--Land-surface datum is 21.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1988 to August 1989 (semiannual), September 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.71 ft NGVD, Oct. 17, 18, 1995; lowest, 13.46 ft NGVD, May 29, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.52	---	---	15.08	14.72	14.23	14.80	14.13	14.99	15.86	18.34	15.89
10	16.35	---	15.10	14.97	14.62	14.11	14.64	13.93	15.29	15.62	16.69	16.76
15	15.91	---	15.51	14.90	14.57	14.02	14.48	13.77	15.34	16.73	16.30	18.73
20	---	---	15.41	14.84	14.45	14.66	14.28	13.64	15.27	16.47	16.00	16.71
25	---	---	15.27	14.86	14.37	14.58	14.16	14.51	15.53	17.38	16.40	16.28
EOM	---	---	15.19	14.77	14.33	14.91	14.16	15.00	16.37	16.42	15.98	17.82
MAX	17.52	---	15.51	15.17	14.75	14.91	14.91	15.23	16.43	17.85	18.68	19.27



MARTIN COUNTY--Continued

WELL NUMBER.--265822080052701. Local Number M 1024. USGS Observation Well near Tequesta, FL.

LOCATION.--Lat 26°58'22", long 80°05'27", in NE ¼ SW ¼ SW ¼ sec.19, T.40 S., R.43 E., Hydrologic Unit 03090202, in Tequesta Park, 0.2 mi north of County Line Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 83 ft, cased to 80 ft.

INSTRUMENTATION.-- Electronic data logger.

DATUM.--Land-surface datum is 24.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.5 ft above land-surface datum.

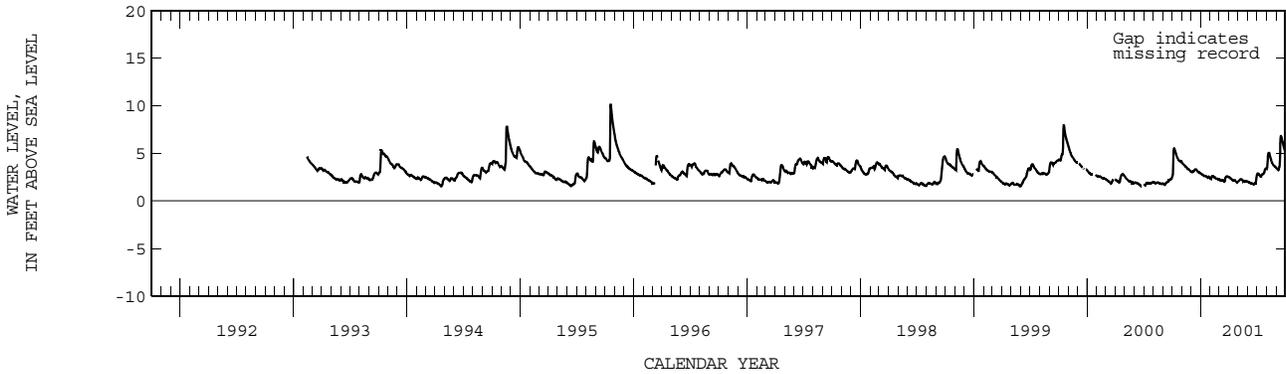
REMARKS.--Well is affected by pumping in area.

PERIOD OF RECORD.--December 1975 to April 1979 (daily), May 1982 (intermittent), February 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.14 ft NGVD, Oct. 18, 19, 1995; lowest, 0.52 ft NGVD, Feb. 22, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.20	3.89	3.06	2.78	2.57	2.17	2.41	2.18	1.98	2.88	4.69	3.34
10	5.23	3.74	3.17	2.66	2.63	2.19	2.29	2.29	1.88	2.68	5.02	3.55
15	4.76	3.57	3.32	2.66	2.48	2.12	2.17	2.16	1.85	2.70	4.35	6.66
20	4.38	3.38	3.21	2.56	2.37	2.30	2.19	2.11	1.77	2.85	3.96	6.40
25	4.24	3.26	3.02	2.54	2.32	2.59	2.02	2.09	1.87	3.16	3.70	5.69
EOM	4.10	3.11	2.93	2.40	2.26	2.54	2.02	2.03	2.58	3.43	3.52	5.45
MAX	5.54	4.06	3.32	2.90	2.64	2.59	2.53	2.29	2.58	3.43	5.07	6.86



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## MARTIN COUNTY--Continued

WELL NUMBER.--270124080280202. Local Number M 1048. USGS Observation Well in Indiantown, FL.

LOCATION.--Lat 27°01'24", long 80°28'02", in NE ¼ SE ¼ sec.6, T.40 S., R.39 E., Hydrologic Unit 03090202, near intersection of SW Washington Avenue and SW Osceola Street, 0.1 mi northeast of SR 710.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 80 ft, cased to 25 ft.

INSTRUMENTATION.--Satellite data collection platform with water-stage shaft encoder. Electronic data logger prior to May 22, 2001.

DATUM.--Land-surface datum is 32.78 ft above National Geodetic Vertical Datum of 1929. Prior to October 1990, land-surface datum was considered to be 33.00 ft NGVD. See REMARKS. Measuring point: Top of base, 2.92 ft above land-surface datum. Prior to May 4, 2001 reconstruction, the top of base was considered to be 2.85 ft above land-surface datum. See INSTRUMENTATION.

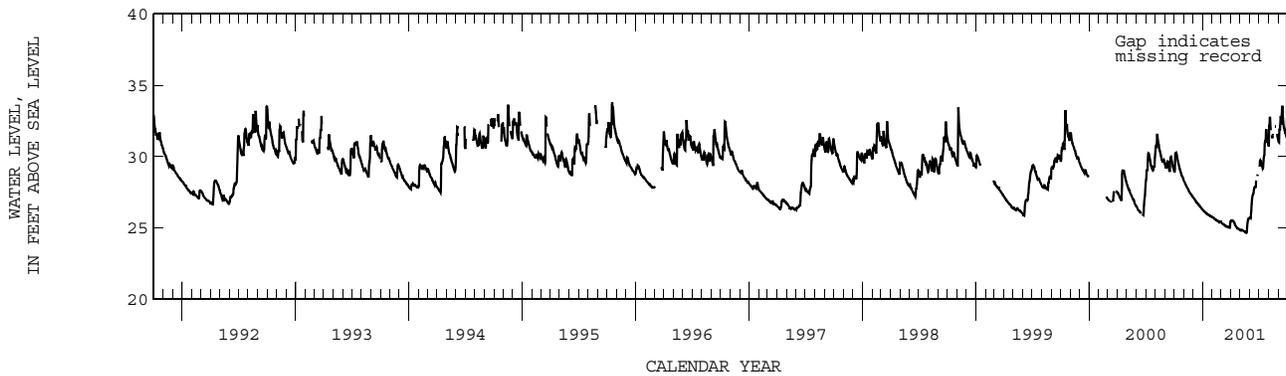
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1, 1990 are in error. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.81 ft NGVD, Oct. 17, 1995; lowest, 24.65 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.24	28.15	27.01	26.17	25.70	25.30	25.53	24.87	26.00	29.73	32.79	31.93
10	29.98	27.90	26.85	26.07	25.59	25.23	25.46	24.82	27.27	29.43	---	32.23
15	29.43	27.71	26.73	25.97	25.54	25.16	25.19	24.75	27.79	29.66	31.61	33.34
20	28.99	27.48	26.59	25.90	25.45	25.09	25.04	24.68	27.87	31.05	---	31.98
25	28.68	27.33	26.45	25.84	25.43	25.04	24.93	25.36	28.64	31.58	---	31.58
EOM	28.38	27.16	26.29	25.76	25.41	25.47	24.86	25.70	---	30.78	31.22	32.70
MAX	30.26	28.34	27.13	26.27	25.76	25.47	25.53	25.70	28.74	31.91	32.79	33.56



MARTIN COUNTY--Continued

WELL NUMBER.--270609080163401. Local Number M 1261. USGS Observation Well near Stuart, FL.

LOCATION.--Lat 27°06'09", long 80°16'34", in SE ¼ SW ¼ SE ¼ sec.6, T.39 S., R.41 E., Hydrologic Unit 03090202, on Locks Road, approximately 0.5 mi north of SR 76 and 0.5 mi northwest of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6.0 in., depth 20.0 ft, cased to 20.0 ft.

INSTRUMENTATION.--Satellite data collection platform with water-stage shaft encoder. Electronic data logger prior to July 19, 2001.

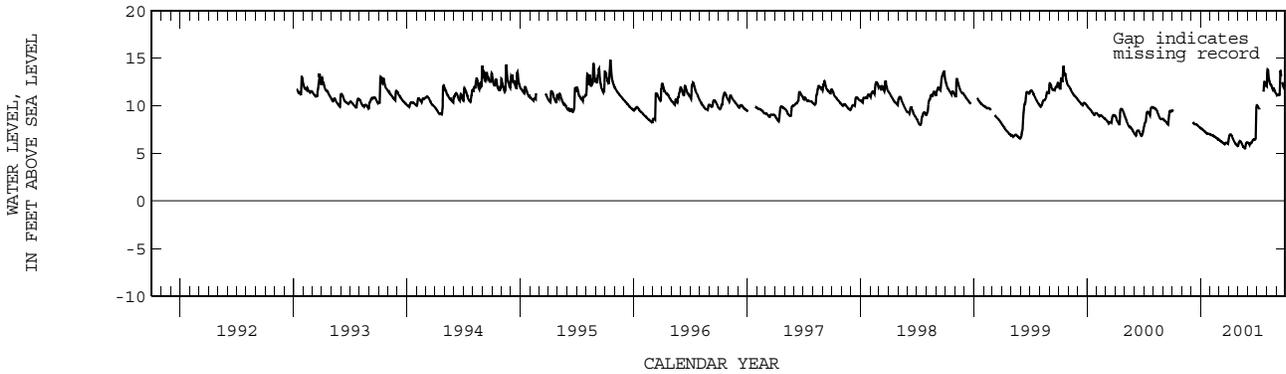
DATUM.--Land-surface datum is 14.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.62 ft above land-surface datum.

PERIOD OF RECORD.--May 1989 to April 1992 (semiannual), January 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.78 ft NGVD, Oct. 18, 1995; lowest, 5.53 ft NGVD, May 23, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	7.55	6.94	6.33	7.02	6.26	6.03	9.92	13.80	11.16
10	---	---	8.15	7.41	6.87	6.21	6.91	6.22	6.11	---	12.60	11.19
15	---	---	8.10	7.26	6.75	6.09	6.55	5.86	6.25	---	12.27	13.68
20	---	---	8.00	7.12	6.64	6.03	6.20	5.64	6.48	---	11.80	12.49
25	---	---	7.85	7.09	6.53	6.13	5.94	5.73	6.48	12.55	11.80	11.98
EOM	---	---	7.68	7.01	6.47	6.47	5.81	6.18	10.06	12.11	11.32	12.69
MAX	9.61	---	8.31	7.66	6.99	6.47	7.02	6.30	10.06	12.55	13.80	13.68



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY--Continued

WELL NUMBER.--270835080105801. Local Number M 1004. USGS Observation Well in Port Salerno, FL.

LOCATION.--Lat 27°08'35", long 80°10'58", in NW ¼ NE ¼ SE ¼ sec.30, T.38 S., R.42 E., Hydrologic Unit 03090202, 5.0 mi southeast of Stuart, 0.7 mi east of A1A on Cove Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 17 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 7.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.07 ft above land-surface datum. Prior to March 15, 1999 measuring point was top of shelf, 3.00 ft above land-surface datum prior to this date.

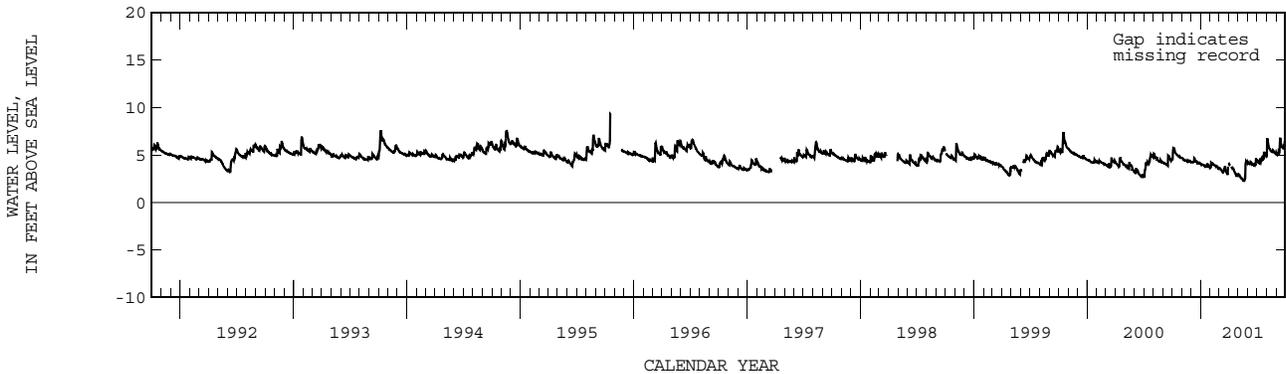
REMARKS.--Station reconstructed March 15, 1999.

PERIOD OF RECORD.--October 1973 to December 1976, October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.34 ft NGVD, Oct. 17, 1995; lowest, 2.29 ft NGVD, July 7, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.55	4.58	4.27	3.98	4.15	3.59	3.91	2.89	4.12	4.23	6.51	5.03
10	5.35	4.46	4.19	3.95	4.02	3.33	3.78	2.59	4.29	4.49	5.72	5.27
15	5.07	4.40	4.41	3.81	3.90	3.37	3.60	2.42	4.10	4.62	5.43	6.57
20	4.89	4.43	4.19	3.91	3.80	3.73	3.21	2.32	3.90	4.55	5.30	5.83
25	4.80	4.41	4.13	3.90	3.58	3.15	3.01	4.02	3.97	5.09	5.28	5.74
EOM	4.73	4.26	4.07	3.65	3.54	4.03	2.91	4.17	4.55	4.84	5.26	6.33
MAX	5.72	4.61	4.67	4.06	4.21	4.03	4.07	4.37	4.59	5.24	6.76	6.82



MARTIN COUNTY--Continued

WELL NUMBER.--270913080284901. Local Number M 1255. USGS Observation Well near Indiantown, FL.

LOCATION.--Lat 27°09'13", long 80°28'49", in SW ¼ SW ¼ SW ¼ sec.18, T.38 S., R.39 E., Hydrologic Unit 03090202, at intersection of SR 714 and SR 609, approximately 10 mi west of Palm City and 5 mi north of Indiantown.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4.0 in., depth 39.0 ft, cased to 28.4 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 29.61 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.54 ft above land-surface datum.

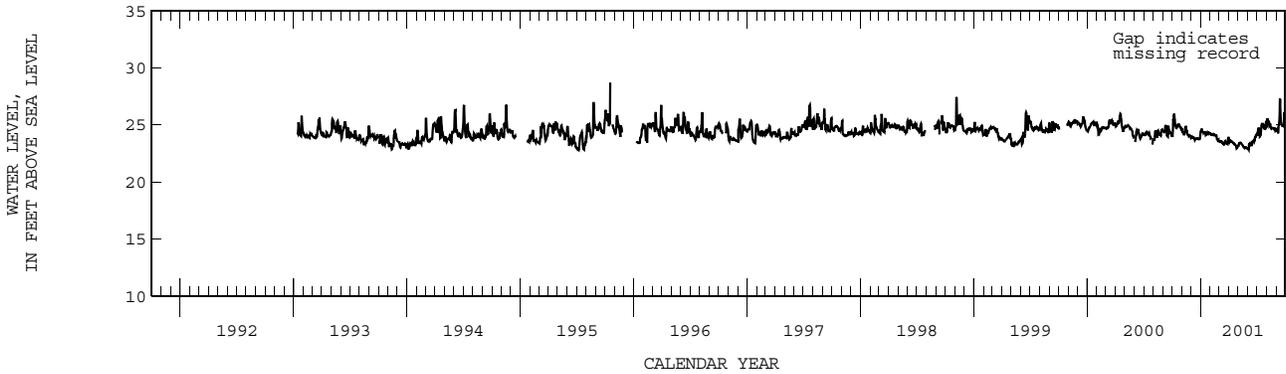
REMARKS.--Well located near agricultural area.

PERIOD OF RECORD.--May 1989 to November 1992 (semiannual), January 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 28.72 ft NGVD, Oct. 18, 1995; lowest, 22.81 ft NGVD, July 8, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.36	24.31	23.98	24.46	24.14	23.51	23.57	23.39	23.30	24.62	25.18	24.68
10	25.11	24.36	23.85	24.35	24.21	23.47	23.59	23.41	23.31	23.97	24.97	25.30
15	24.74	24.35	23.78	24.36	24.12	23.34	23.48	23.22	23.49	24.92	24.77	25.89
20	25.04	24.18	23.85	24.14	24.02	23.58	23.35	23.05	23.68	24.98	24.72	24.97
25	24.84	24.04	23.76	24.35	23.68	23.39	23.17	23.03	23.99	24.74	24.63	24.94
EOM	24.70	23.87	24.36	24.25	23.59	23.88	23.09	22.93	24.17	24.87	24.51	25.70
MAX	25.98	24.85	24.36	24.63	24.24	23.95	23.77	23.45	24.17	25.27	25.58	27.30



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# Miami-Dade County

## VOLUME 2B: SOUTH FLORIDA

## Key to site locations on figure # 20

## Miami-Dade County

Index Number	Site Number	Well Name	Page Number	Index Number	Site Number	Well Name	Page Number
1	254950080180801	G 3	519	66	254834080171601	G 3466	508
2	254943080121501	F 45	515	67	254839080162301	G 3467	509
3	254444080144801	F 179	487	68	254248080263801	G 3473	480
4	255008080161801	F 239	521	69	252933080210001	G 3549	418
5	254217080171801	F 319	478	70	252906080213101	G 3550	415
6	252829080285101	F 358	414	71	254158080294501	G 3551	470
7	254335080170501	G 432	482	72	254138080284401	G 3552	466
8	254855080163701	G 548	511	73	254152080282101	G 3553	468
9	254130080234501	G 551	465	74	254152080274501	G 3554	467
10	253902080202501	G 553	449	75	254111080272501	G 3555	463
11	254841080164401	G 571	510	76	254213080281501	G 3556	476
12	254000080181002	G 580A	452	77	254112080294201	G 3557	464
13	253937080304001	G 596	450	78	254334080284401	G 3558	481
14	252425080320001	G 613	405	79	254445080295001	G 3559	488
15	253258080264301	G 614	433	80	254108080231301	G 3560	462
16	254500080360001	G 618	490	81	254022080263601	G 3561	456
17	254000080460001	G 620	453	82	255112080151901	G 3562	526
18	253537080284401	G 757A	439	83	254340080203601	G 3563	483
19	252928080332401	G 789	417	84	254917080143301	G 3564	513
20	255437080103201	G 852	535	85	254218080241801	G 3565	479
21	254038080280201	G 855	457	86	254951080194901	G 3566	520
22	253718080192301	G 860	446	87	255358080260901	G 3567	534
23	252612080300701	G 864	407	88	254657080214401	G 3568	494
24	252619080310201	G 864A	408	89	254536080172601	G 3570	491
25	254107080165201	G 896	459	90	255616080180301	G 3571	538
26	254201080173001	G 901	471	91	254432080240401	G 3572	485
27	255600080270001	G 968	537	92	254446080295501	G 3574	489
28	255709080223701	G 970	544	93	254206080294701	G 3575	472
29	255209080212801	G 973	530	94	254442080305201	G 3576	486
30	255208080274001	G 975	529	95	254207080300201	G 3577	473
31	255023080202301	G 976	522	96	254210080304801	G 3578	475
32	254215080201503	G 1074B	477	97	255626080093201	G 3600	541
33	255342080195501	G 1166	531	98	255358080114101	G 3601	532
34	252944080233401	G 1179	419	99	255116080120601	G 3602	527
35	252947080235301	G 1180	420	100	254722080152201	G 3604	496
36	252918080234201	G 1183	416	101	254629080143101	G 3605	492
37	251922080340701	G 1251	400	102	254108080170601	G 3608	460
38	254940080172001	G 1282	514	103	254005080171601	G 3609	454
39	254813080161501	G 1351	500	104	253710080184701	G 3611	444
40	254833080155801	G 1354	507	105	253457080195501	G 3612	437
41	263630080264801	G 1362	545	106	253214080215401	G 3613	428
42	253233080301001	G 1363	432	107	253024080231001	G 3615	423
43	254950080171202	G 1368A	518	108	252243080335501	G 3619	402
44	253012080261401	G 1486	422	109	252312080320301	G 3620	403
45	254054080295401	G 1487	458	110	252115080293701	G 3621	401
46	254830080284201	G 1488	505	111	252955080340701	G 3622	421
47	252656080350301	G 1502	411	112	253708080304201	G 3626	443
48	255707080255001	G 1637	543	113	253632080321101	G 3627	442
49	254157080214002	G 3074	469	114	253539080320501	G 3628	440
50	254946080172601	G 3250	516	115	254209080294801	G 3660	474
51	255027080245501	G 3253	525	116	254720080253002	G 3676	495
52	255026080240302	G 3259A	523	117	252814080244101	G 3698	412
53	255027080221602	G 3264A	524	118	252652080244301	G 3699	409
54	253952080321501	G 3272	451	119	253027080234701	G 3700	425
55	253831080180206	G 3313E	447	120	253214080224601	G 3701	430
56	254823080163701	G 3327	503	121	253334080213601	G 3702	434
57	254741080162101	G 3328	498	122	254822080125501	G 3704	501
58	254752080181501	G 3329	499	123	255625080094901	G 3705	539
59	251724080341401	G 3353	398	124	255526080143001	S 18	536
60	251855080283401	G 3354	399	125	254832080175001	S 19	506
61	252332080300501	G 3355	404	126	254857080171101	S 68	512
62	252502080253901	G 3356	406	127	253549080214101	S 182A	441
63	253400080340401	G 3437	436	128	253029080295601	S 196A	427
64	254421080260201	G 3439	484				
65	254823080175201	G 3465	504				

VOLUME 2B: SOUTH FLORIDA

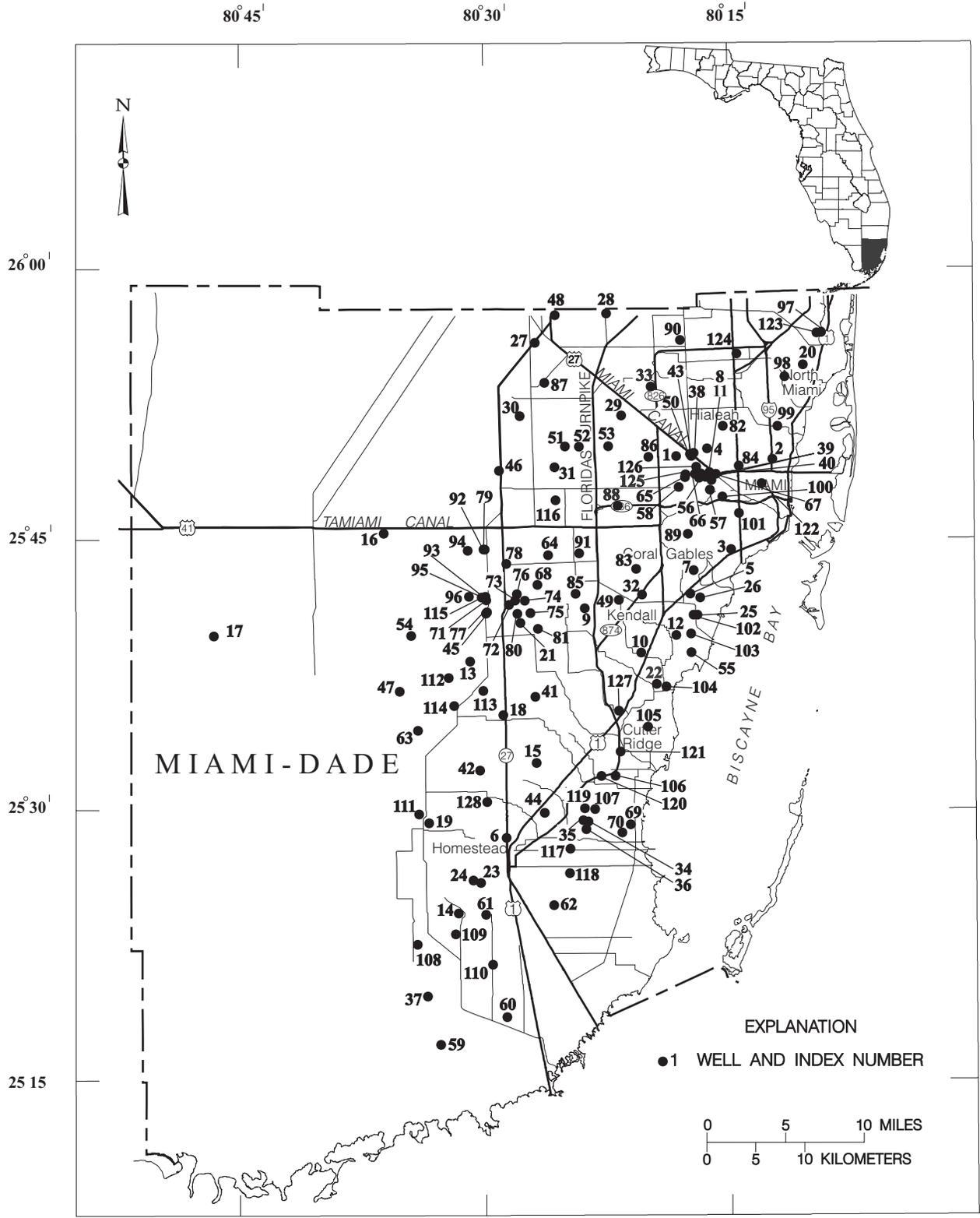


Figure 20: Location of wells in Miami-Dade County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY

WELL NUMBER.--251724080341401. Local Number G 3353. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°17'24", long 80°34'14", in SW ¼ SW ¼ sec.18, T.59 S., R.38 E., Hydrologic Unit 03090202, in C-111 drainage basin, 2.5 mi south of L-31W canal and 7 mi west of US 1, 12.5 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 8 ft.

INSTRUMENTATION.--Electronic data logger.

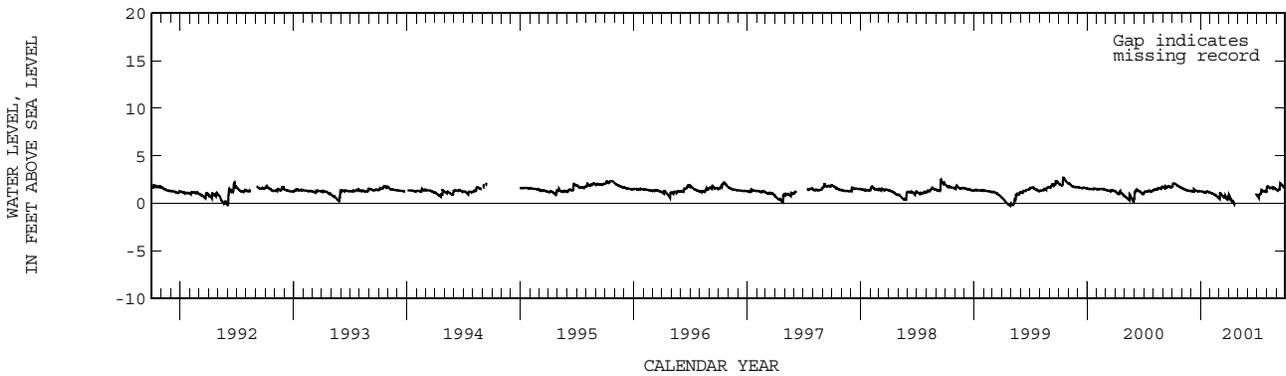
DATUM.--Land-surface datum is 0.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.87 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 2.73 ft NGVD, Oct. 17, 1999; lowest, 0.18 ft below NGVD, Apr. 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.11	1.56	1.31	1.26	1.08	1.10	.61	---	---	.71	1.80	1.37
10	2.07	1.49	1.50	1.21	.99	.87	.31	---	---	.98	1.65	1.47
15	1.94	1.42	1.35	1.17	.91	.71	.31	---	---	1.41	1.66	2.09
20	1.83	1.36	1.32	1.26	.79	.79	-.10	---	---	1.30	1.57	1.96
25	1.73	1.32	1.31	1.23	.66	.48	---	---	---	1.29	1.64	1.72
EOM	1.66	1.34	1.28	1.14	.57	.61	---	---	.92	1.20	1.50	2.02
MAX	2.11	1.64	1.50	1.28	1.13	1.10	.96	---	.93	1.41	1.80	2.10



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--251855080283401. Local Number G 3354. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°18'55", long 80°28'34", in NW ¼ NW ¼ NW ¼ sec.7, T.59 S., R.39 E., Hydrologic Unit 03090202, in C-111 drainage basin between C-109 and C-110 canals, 1.6 mi west of US 1 and 1.15 mi north of C-111 canal, 8.9 mi south of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 8 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 0.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 7.12 ft above land-surface datum. Prior to destruction of the well, August 24, 1992, top of base was 7.10 ft above land-surface datum. From September 1992 to October 1994, top of base was considered to be 7.15 ft above land-surface datum. The figures of water level as elevation, in feet NGVD, from September 1992 to September 1994 are in error.

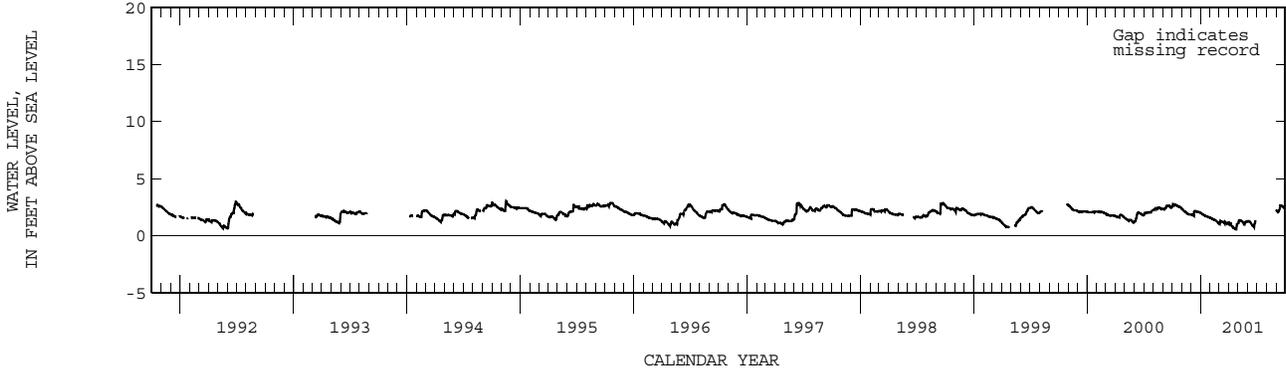
REMARKS.--Revised records for 1993 and 1994 water years are in files of the U.S. Geological Survey.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.24 ft NGVD, Aug. 15, 1988; lowest, 0.37 ft NGVD, May 22, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.74	2.28	1.80	1.90	1.51	1.30	1.03	1.36	1.27	---	---	2.09
10	2.73	2.13	2.04	1.82	1.43	1.23	.91	1.33	1.18	---	---	2.22
15	2.66	2.05	2.16	1.74	1.37	1.20	.77	1.21	.95	---	---	2.64
20	2.57	1.91	2.10	1.70	1.28	1.21	.61	1.02	.82	---	---	2.60
25	2.51	1.87	2.10	1.64	1.16	1.05	.54	1.20	1.36	---	---	2.45
EOM	2.38	1.86	2.00	1.58	1.08	1.02	1.08	1.28	---	---	2.26	2.77
MAX	2.79	2.35	2.16	1.98	1.56	1.30	1.18	1.36	1.36	---	2.27	2.78



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--251922080340701. Local Number G 1251. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°19'16", long 80°33'58", in NE ¼ SW ¼ sec.6, T.59 S., R.38 E., Hydrologic Unit 03090202, 2.5 mi southwest of S-18-C, 5.5 mi south of SR 9336 (Ingraham Highway), 7 mi west of US 1, and 11.0 mi southwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 59 ft, cased to 5 ft.

REVISED RECORDS.--WDR FL-84-2B:1983.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 2.79 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 1984, land-surface datum was considered to be 2.99 ft NGVD. See REMARKS. Measuring point: Top of base, 2.00 ft above land-surface datum.

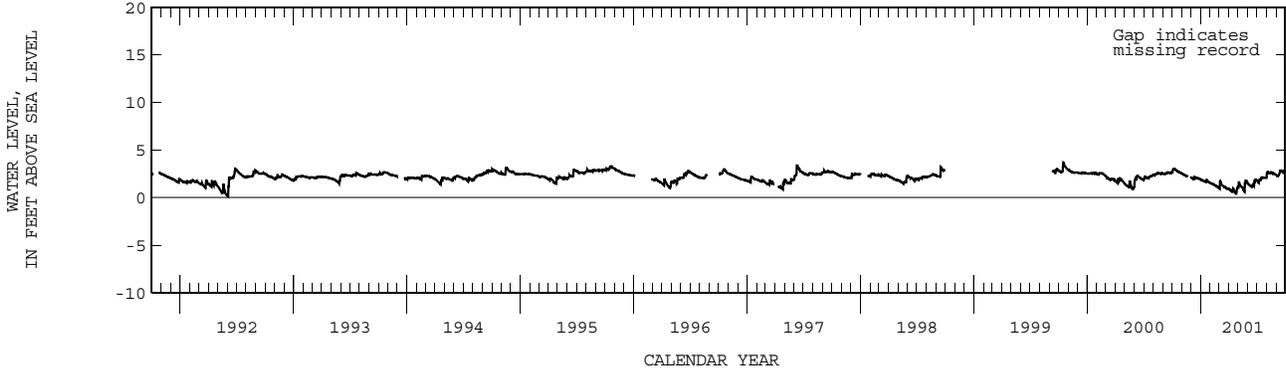
REMARKS.--Well was also used for salinity monitoring until October 1998. The figures of water level as elevation, in feet NGVD, prior to October 1, 1984 are in error. Corrected records are in files of the Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--April 1965 to September 1998, September 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.68 ft NGVD, Oct. 16, 1999; lowest, 1.76 ft below NGVD, May 30, 1965.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.03	2.48	2.03	1.84	1.49	1.79	.80	1.53	1.41	1.64	2.63	2.27
10	3.02	2.37	2.17	1.76	1.41	1.35	.71	1.22	1.25	1.91	2.57	2.45
15	2.85	2.30	2.12	1.69	1.32	1.20	.97	1.03	1.17	2.11	2.70	2.87
20	2.73	2.23	2.04	1.88	1.21	1.16	.56	.71	1.37	2.13	2.53	2.80
25	2.65	--	2.05	1.71	1.10	.96	.40	1.78	1.93	2.08	2.51	2.63
EOM	2.57	2.12	1.93	1.56	1.03	.96	1.16	1.56	1.87	2.08	2.43	2.92
MAX	3.07	2.55	2.18	1.90	1.54	1.79	1.16	1.78	1.93	2.16	2.70	2.92



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252115080293701. Local Number G 3621. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°21'15", long 80°29'37", in NE ¼ SE ¼ NE ¼ sec.26, T.58 S., R.38 E., Hydrologic Unit 03090202, 2.0 mi southeast of S-18-C, 1.8 mi south of SW 424th Street, 2.0 mi west of US 1, on west side of C-110.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 9 ft.

INSTRUMENTATION.--Satellite data collection platform.

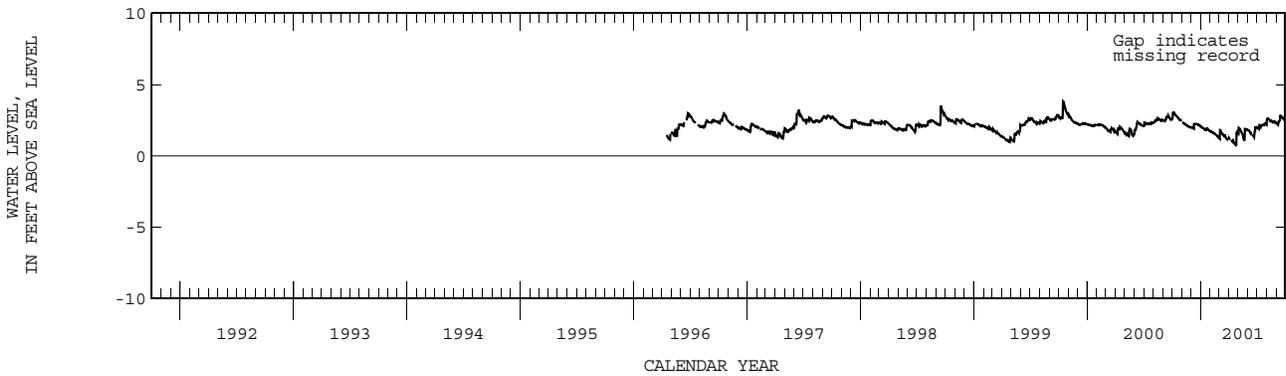
DATUM.--Land-surface datum is 3.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--April 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.84 ft NGVD, Oct. 15, 1999; lowest, 0.76 ft above NGVD, Apr. 24, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.03	2.33	1.97	2.00	1.69	1.82	1.14	1.93	1.78	1.93	2.62	2.21
10	2.89	2.25	2.23	1.92	1.63	1.59	1.10	1.76	1.64	2.14	2.53	2.40
15	2.78	2.17	2.26	1.85	1.55	1.46	1.10	1.48	---	2.14	2.49	2.83
20	2.67	2.10	2.23	1.94	1.45	1.41	.85	1.16	1.39	2.19	2.39	2.73
25	2.55	2.03	2.18	1.86	1.35	1.22	.78	1.87	2.05	2.19	2.34	2.58
EOM	2.44	2.03	2.08	1.73	1.27	1.17	1.63	1.83	2.01	2.19	2.33	2.92
MAX	3.06	2.36	2.26	2.06	1.72	1.83	1.65	1.95	2.05	2.27	2.63	2.93



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252243080335501. Local Number G 3619. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°22'43", long 80°33'55", in SW ¼ NW ¼ SE ¼ sec.18, T.58 S., R.38 E., Hydrologic Unit 03090202, 1.5 mi south of SR 9336 (Ingraham Highway) and 200 feet east of Aerojet Road, 1.0 mi east of entrance to Everglades National Park. AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 12 ft. (Corrected).

INSTRUMENTATION.--Satellite data collection platform.

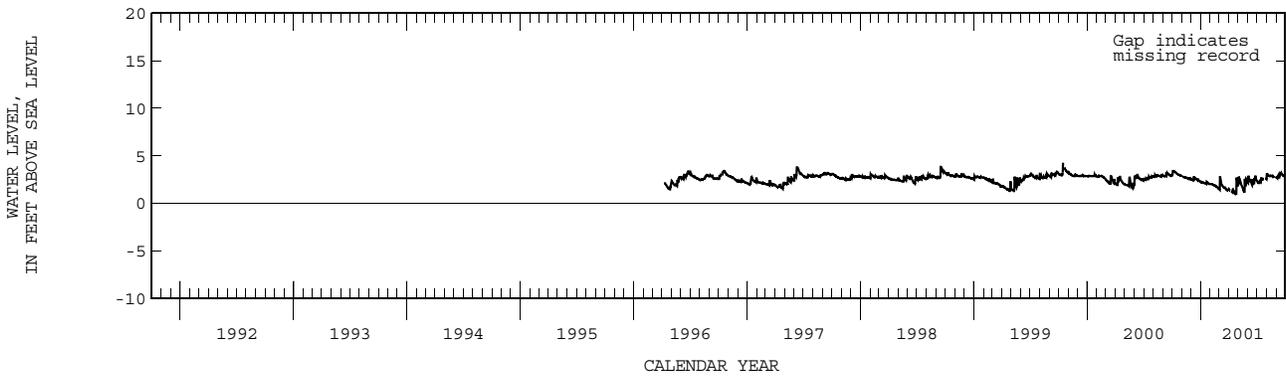
DATUM.--Land-surface datum is 3.41 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.24 ft NGVD, Oct. 15, 1999; lowest, 0.92 ft NGVD, Apr. 25, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.42	2.80	2.47	2.22	2.05	2.66	1.36	2.64	2.62	2.20	3.01	2.85
10	3.30	2.76	2.86	2.17	1.96	1.94	1.30	2.04	2.46	2.37	3.01	2.79
15	3.14	2.71	2.63	2.12	1.88	1.72	1.50	1.67	1.96	2.64	2.93	3.13
20	3.03	2.66	2.48	2.29	1.77	1.66	1.12	1.27	2.08	2.56	2.80	3.02
25	2.97	2.60	2.45	2.11	1.63	1.46	.92	2.08	2.91	---	2.78	2.89
EOM	2.86	2.59	2.28	2.04	1.54	1.39	1.96	2.24	2.48	2.55	2.75	3.23
MAX	3.42	2.82	2.86	2.29	2.06	2.86	2.72	2.82	2.91	2.68	3.08	3.23



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252312080320301. Local Number G 3620. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°23'12", long 80°32'01", in NE ¼ NE ¼ NW ¼ sec.16, T.58 S., R.38 E., Hydrologic Unit 03090202, 1.1 mi south of SR 9336 (Ingraham Highway) and SW 217th Avenue, 4 mi west of US 1, and 2.0 mi east of entrance to Everglades National Park.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 9 ft.

INSTRUMENTATION.--Satellite data collection platform

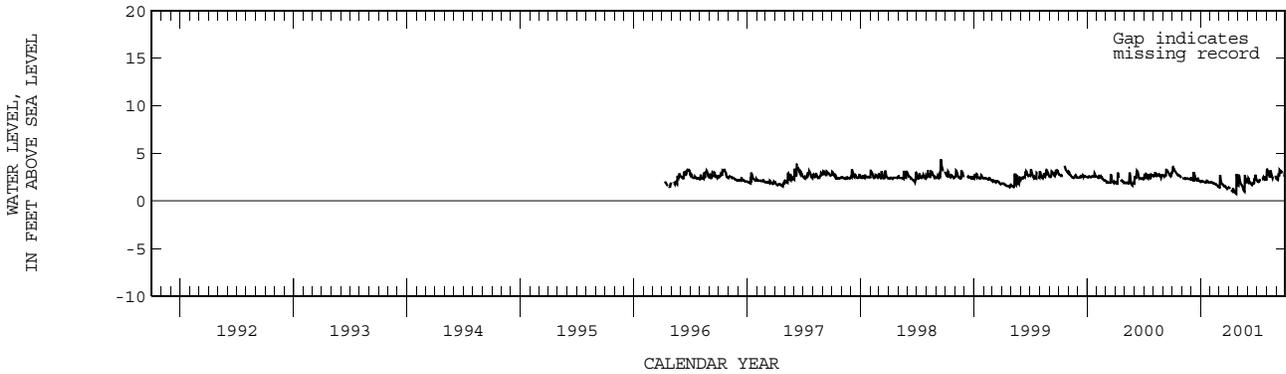
DATUM.--Land-surface datum is 4.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.30 ft NGVD, Sept. 16, 17, 1998; lowest, 0.77 ft NGVD, Apr. 25, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.53	2.39	2.25	2.07	1.98	2.63	1.30	2.54	2.11	2.07	3.11	2.28
10	3.15	2.38	2.87	2.03	1.88	1.83	1.14	1.83	1.96	2.21	2.62	2.69
15	2.89	2.40	2.41	1.99	1.82	1.65	1.30	1.49	1.67	---	3.06	3.16
20	2.71	2.37	2.17	2.14	1.72	1.57	.95	1.10	1.85	2.32	2.38	2.90
25	2.65	2.33	2.18	2.01	1.58	1.38	.77	2.07	2.77	2.30	---	---
EOM	2.45	2.41	2.06	1.94	1.48	1.31	1.77	2.05	2.21	2.24	2.42	3.31
MAX	3.61	2.41	2.87	2.14	1.99	2.63	2.81	2.73	2.77	2.61	3.33	3.33



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252332080300501. Local Number G 3355. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°23'32", long 80°30'05", in NW ¼ SW ¼ SE ¼ sec. 11, T.58 S., R.38 E., Hydrologic Unit 03090202, in C-111 drainage basin, 3.8 mi south of Palm Drive on SW 192nd Avenue, in the parking lot of the Everglades Alligator Farm, 2 mi west of US 1, and 4.1 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 13 ft.

INSTRUMENTATION.--Satellite data collection platform.

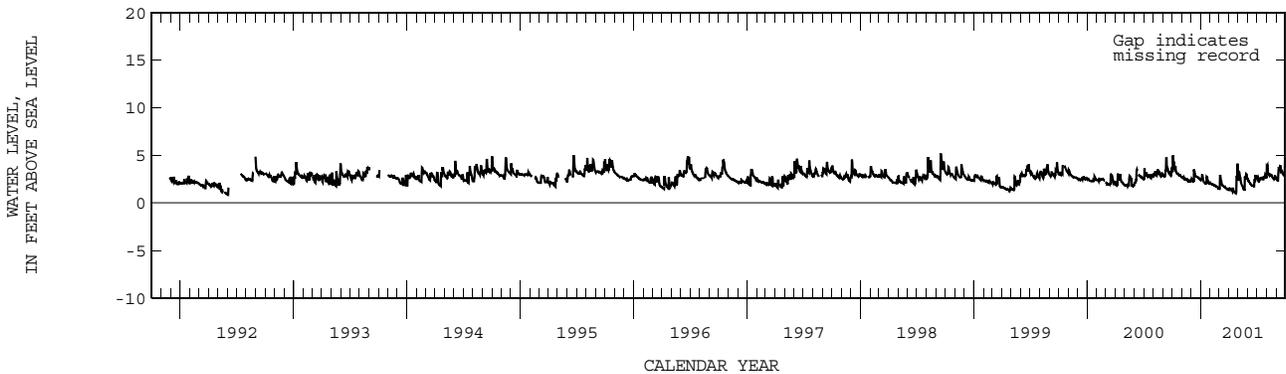
DATUM.--Land-surface datum is 5.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.11 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.21 ft NGVD, Sept. 16, 1998; lowest, 0.62 ft NGVD, May 22, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.85	2.63	2.34	3.01	2.00	2.85	1.43	3.12	2.22	2.43	3.32	2.37
10	3.51	2.61	3.52	2.25	1.94	1.94	1.38	2.12	2.06	2.58	2.93	3.54
15	3.14	2.46	2.91	2.08	1.86	1.76	1.52	1.75	1.82	2.65	2.95	3.67
20	3.08	2.30	2.75	2.77	1.74	1.73	1.14	1.42	1.76	2.50	2.68	3.26
25	2.88	2.26	2.63	2.26	1.61	1.50	1.13	2.61	2.82	2.72	2.50	2.93
EOM	2.72	2.44	2.42	2.05	1.55	1.43	3.62	2.53	2.72	2.59	2.69	3.81
MAX	5.01	2.74	3.52	3.01	2.13	2.86	4.13	3.30	2.87	2.99	3.96	4.70



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252425080320001. Local Number G 613. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°24'27", long 80°31'27", in NW ¼ SW ¼ in sec.3, T.58 S., R.38 E., Hydrologic Unit 03090202, on north side of SR 9336 (Ingraham Highway), and 4 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 21 ft, cased to 18 ft.

INSTRUMENTATION.--Electronic data logger.

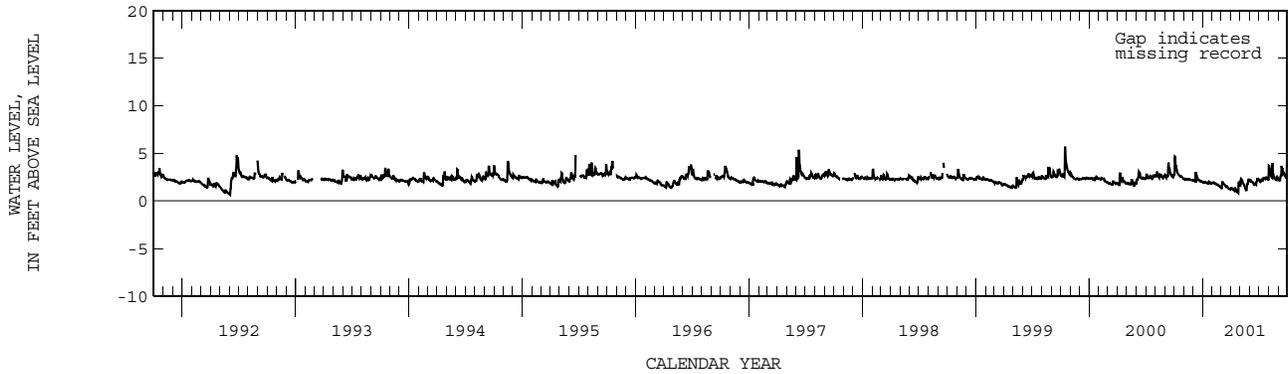
DATUM.--Land-surface datum is 6.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.07 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.11 ft NGVD, Sept. 23, 1960; lowest, 1.49 ft below NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.78	2.32	2.13	1.97	1.93	1.98	1.29	2.33	2.17	2.14	2.97	2.14
10	3.13	2.29	2.89	1.94	1.83	1.80	1.22	1.91	2.02	2.20	2.55	2.69
15	2.76	2.31	2.39	1.90	1.75	1.61	1.36	1.56	1.73	2.41	3.00	3.30
20	2.59	2.27	2.15	2.03	1.65	1.54	1.02	1.17	1.75	2.36	2.37	2.92
25	2.53	2.23	2.11	1.92	1.51	1.33	.84	1.82	2.28	2.39	2.30	2.54
EOM	2.33	2.23	1.99	1.88	1.42	1.26	1.74	2.25	2.28	2.24	2.37	3.59
MAX	4.66	2.33	2.89	2.04	1.94	1.98	1.96	2.37	2.32	2.45	4.01	4.06



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252502080253901. Local Number G 3356. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°25'09", long 80°25'41", in SW ¼ SW ¼ SW ¼ sec.34, T.57 S., R.39 E., Hydrologic Unit 03090202, on north side of dirt road approximately 200 ft northeast of Florida Power and Light power pole 267, 2.0 mi south of Palm Drive, and 1.0 mi west of Tallahassee Road, 3.7 mi southeast of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 13 ft.

INSTRUMENTATION.--Satellite data collection platform.

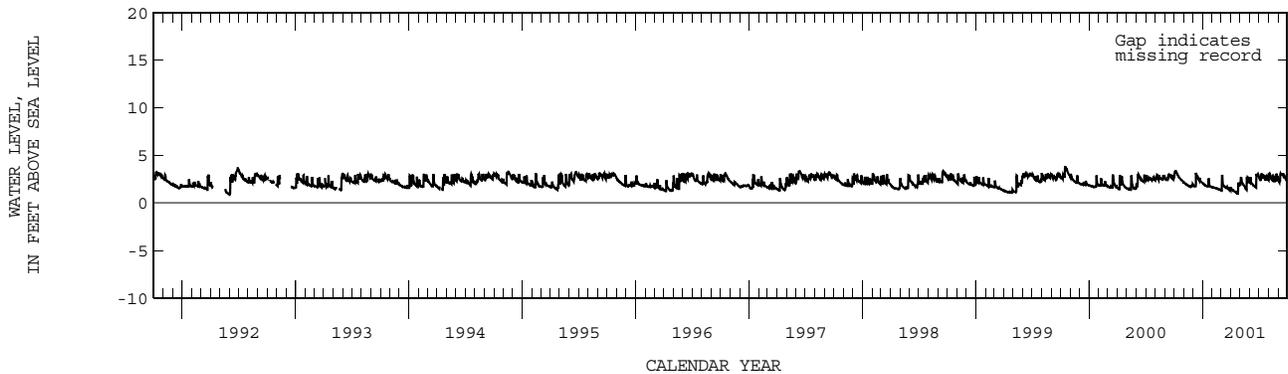
DATUM.--Land-surface datum is 2.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.20 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.81 ft NGVD, Oct. 16, 1999; lowest, 0.79 ft NGVD, May 16, 1991.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.34	2.06	1.76	1.94	1.63	2.87	1.38	2.56	2.16	2.46	2.84	2.49
10	3.12	1.94	3.17	1.81	1.59	1.78	1.31	1.99	2.00	2.88	2.53	3.05
15	2.79	1.83	2.76	1.77	1.53	1.61	1.18	1.76	1.79	2.94	2.91	3.02
20	2.55	1.76	2.41	2.60	1.46	1.68	1.04	1.46	1.69	2.47	2.28	2.91
25	2.38	1.83	2.31	1.77	1.40	1.42	2.05	2.71	2.94	2.55	2.38	2.54
EOM	2.20	1.97	2.08	1.67	1.35	1.40	1.99	2.16	2.83	2.39	2.43	2.96
MAX	3.35	2.18	3.17	2.60	1.66	2.87	2.06	2.71	3.06	3.09	3.11	3.12



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252612080300701. Local Number G 864. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°26'12", long 80°30'07", in SE ¼ SW ¼ sec.26, T.57 S., R.38 E., Hydrologic Unit 03090202, on SW 192nd Avenue, 0.8 mi south of SW 344th Street, and 2 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.47 ft above land-surface datum.

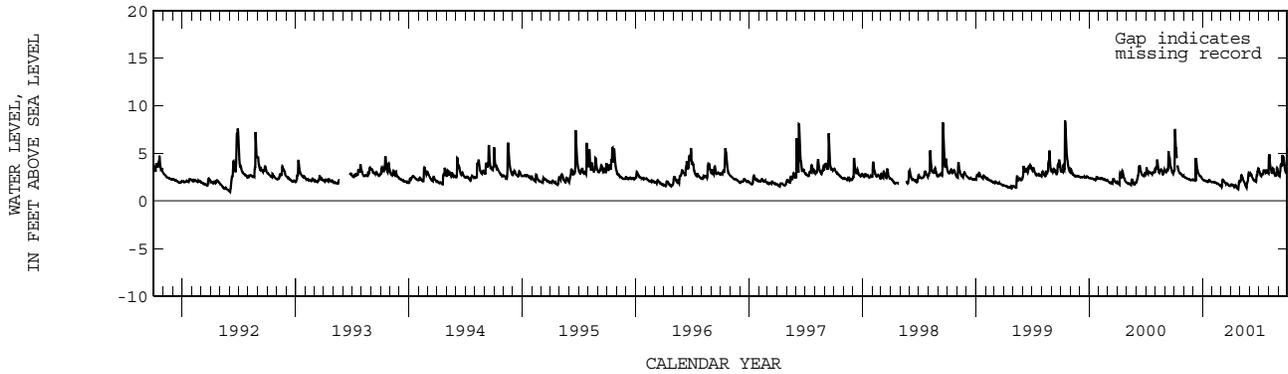
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.45 ft NGVD, Oct. 15, 1999; lowest, 1.20 ft below NGVD, May 13, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.24	2.48	2.24	2.14	2.03	2.18	1.73	2.72	2.82	2.82	4.27	2.60
10	---	2.43	4.42	2.11	1.94	2.11	1.62	2.28	2.46	2.84	3.06	3.80
15	3.16	2.31	3.22	2.07	1.84	1.89	1.66	1.93	2.18	3.13	3.44	4.72
20	2.94	2.24	2.78	2.14	1.75	1.87	1.44	1.58	2.10	3.11	2.85	4.02
25	2.75	2.22	2.63	2.10	1.67	1.66	1.25	2.03	2.76	3.23	2.70	3.01
EOM	2.58	2.26	2.31	2.00	1.61	1.59	1.98	2.90	3.40	2.90	2.96	5.16
MAX	7.47	2.59	4.42	2.24	2.03	2.26	2.01	2.96	3.43	3.31	4.82	5.58



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252619080310201. Local Number G 864A. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°26'20", long 80°30'20", in SE ¼ NW ¼ SE ¼ sec.26, T.57 S., R.38 E., Hydrologic Unit 03090202, near G-864, 0.25 mi west of SW 192nd Avenue, 0.6 mi south of SW 344th Street, and 2.1 mi southwest of Florida City. (Corrected).  
 AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 20 ft, cased to 7 ft.

REVISED RECORDS.--WDR FL-85-2B:1982.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.49 ft above National Geodetic Vertical Datum of 1929. From October 1, 1982 to September 30, 1984, land-surface datum was considered to be 8.88 ft NGVD. See REMARKS. Measuring point: Top of shelter base, 0.86 ft above land-surface datum.

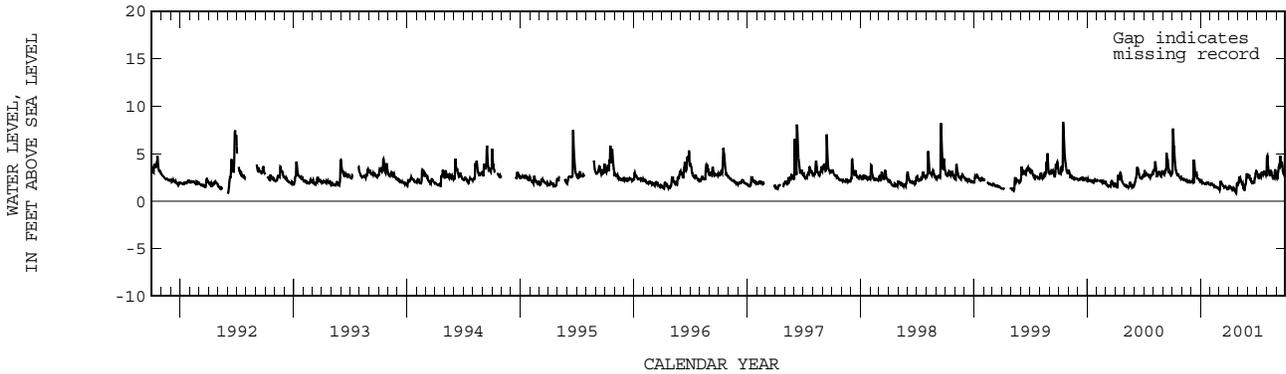
REMARKS.--The figures of water levels as elevation, in feet NGVD from October 1, 1982 to September 30, 1984 are in error. Corrected records are in files of the Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.41 ft NGVD, Aug. 18, 1981; lowest, 1.11 ft below NGVD, May 6, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.35	2.26	2.20	1.91	1.82	1.96	1.51	2.50	2.64	2.60	4.04	2.35
10	3.99	2.25	4.22	1.90	1.69	1.89	1.37	2.13	2.26	2.78	2.82	3.57
15	2.96	2.13	3.02	1.82	1.56	1.64	1.44	1.90	1.99	2.94	3.22	4.60
20	2.90	2.06	2.48	1.86	1.47	1.58	1.14	1.30	2.11	2.98	2.55	3.87
25	2.51	2.04	2.37	1.92	1.40	1.37	.96	1.76	2.51	3.21	2.42	2.87
EOM	2.36	2.07	2.08	1.78	1.35	1.34	1.70	2.90	3.18	2.65	2.79	5.10
MAX	7.55	2.44	4.22	2.16	1.95	2.13	1.95	2.94	3.19	3.22	4.82	5.50



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252652080244301. Local Number G 3699. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°26'52", long 80°24'43", in SW ¼ SW ¼ sec.23, T.57 S., R.38 E., Hydrologic Unit 03090202, 40 ft northeast of east bridge abutment north of SW 344th Street and 0.2 mi east of SW 137th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 88 ft, cased to 83 ft, screened 83 to 88 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 5.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

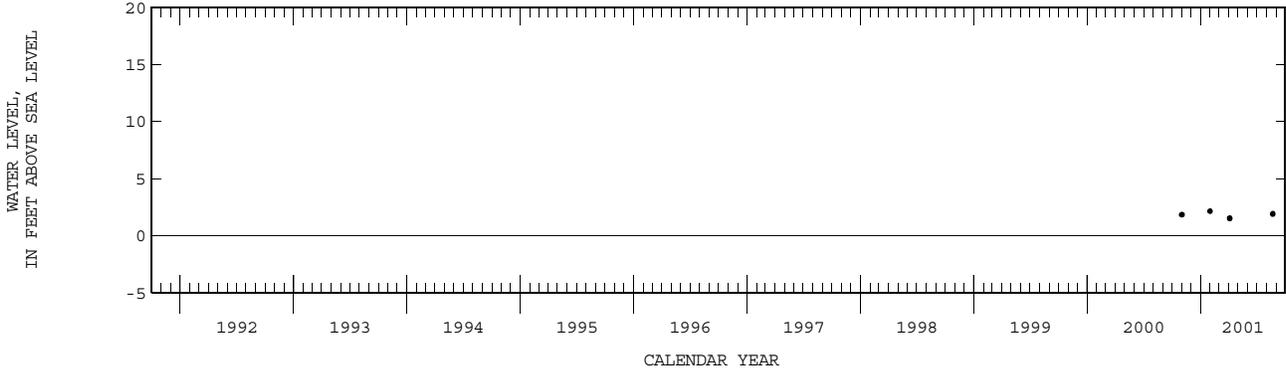
REMARKS.--Well is also logged annually using an induction probe. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Water-level measurements began in November 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

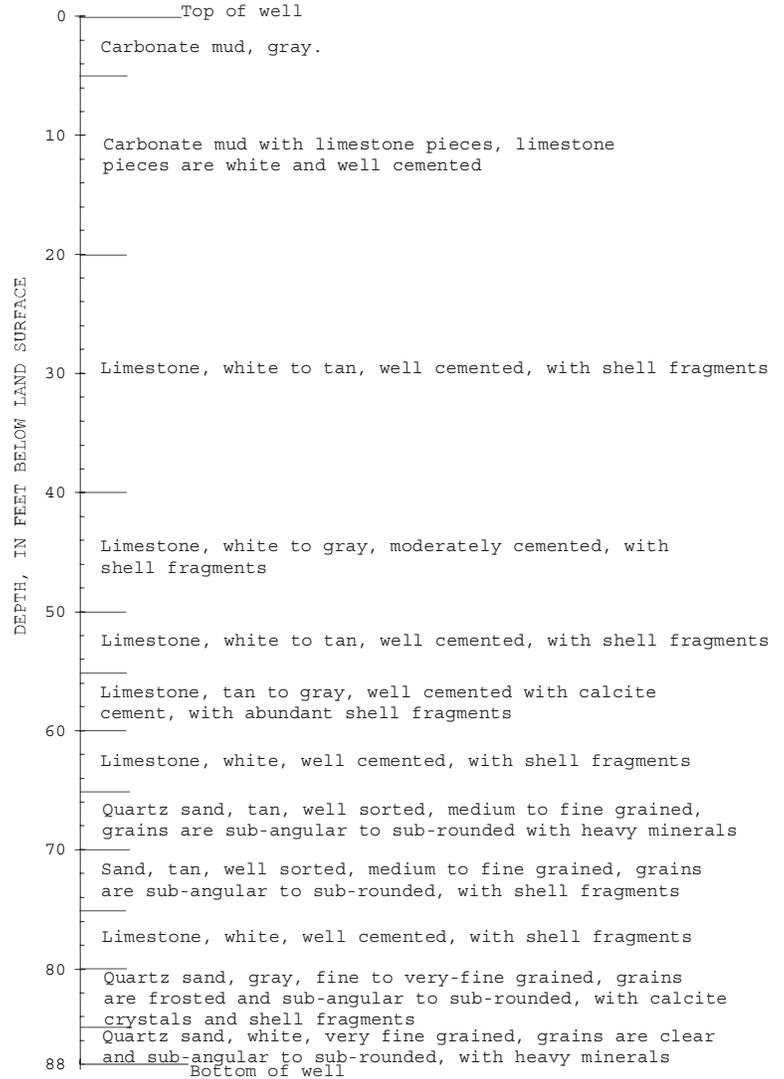
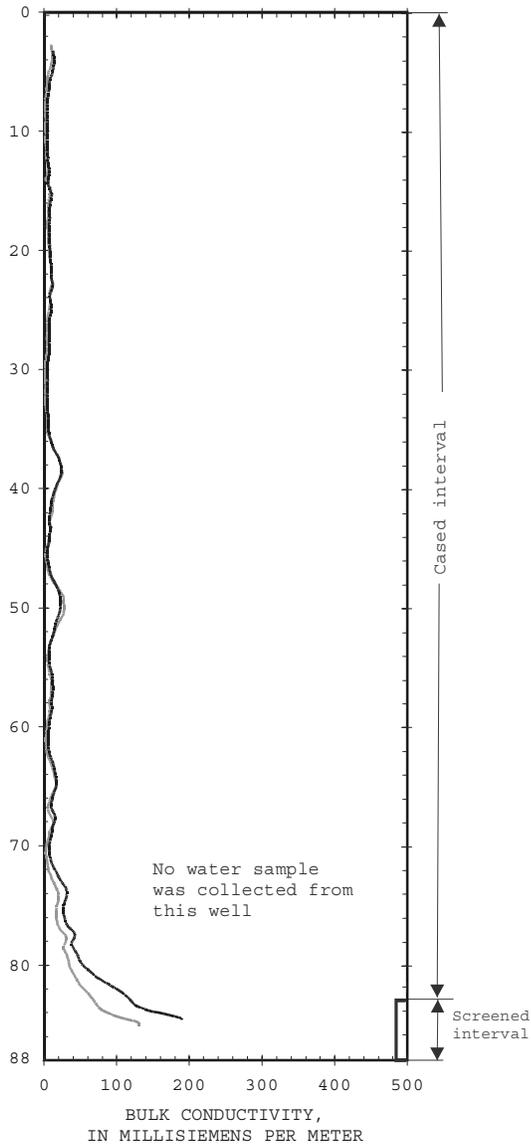
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.15 ft NGVD, Jan. 31, 2001; lowest, 1.52 ft NGVD, Apr. 4, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 01...	0745	1.83	APR 04...	1339	1.52
JAN 31...	0902	2.15	AUG 21...	0831	1.91



WELL NUMBER.--252652080244301. Local Number G 3699. USGS Observation Well near Homestead, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 4, 2001
- Shaded line represents bulk conductivity in millisiemens per meter April 18, 2000
- [ Delimits the interval for which the well is open to the aquifer

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252656080350301. Local Number G 1502. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°36'56", long 80°35'03", in NE ¼ SW ¼ sec.25, T.55 S., R.37 E., Hydrologic Unit 03090202, in Grossman Hammock, 11.5 mi northwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 31 ft, cased to 11 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 0.72 ft above land-surface datum. Prior to October 1, 2000, top of base was considered to be 0.70 ft above land-surface datum.

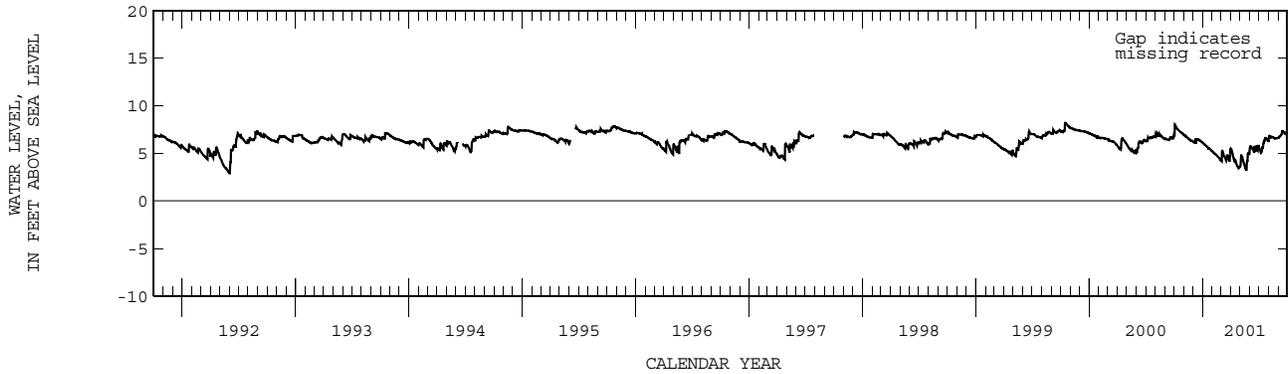
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--May 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.24 ft NGVD, Oct. 15, 16, 1999 (current datum); lowest, 0.51 ft NGVD, May 14, 1971 (current datum).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.89	6.89	6.16	5.98	5.11	5.27	5.10	4.81	5.61	5.31	6.86	6.81
10	7.64	6.73	6.49	5.86	4.94	4.80	4.54	4.24	5.59	5.24	6.70	6.98
15	7.46	6.59	6.50	5.69	4.78	4.44	4.33	3.70	5.07	6.10	6.70	7.27
20	7.29	6.46	6.40	5.53	4.61	4.81	3.85	3.32	5.29	6.61	6.58	7.21
25	7.16	6.33	6.31	5.44	4.41	4.39	3.53	4.23	5.50	6.56	6.62	7.05
EOM	6.98	6.28	6.16	5.24	4.27	5.32	3.59	5.00	5.79	6.20	6.64	7.50
MAX	8.05	6.96	6.50	6.13	5.21	5.34	5.49	5.06	5.80	6.63	6.86	7.52



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252814080244101. Local Number G 3698. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°28'13", long 80°24'41", in NW ¼ NW ¼ SW ¼ sec.14, T.57 S., R.39 E., Hydrologic Unit 03090202, at the northeast corner of the intersection of SW 137th Avenue and SW 320th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 85 ft, cased to 80 ft, screened 80 to 85 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 5.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

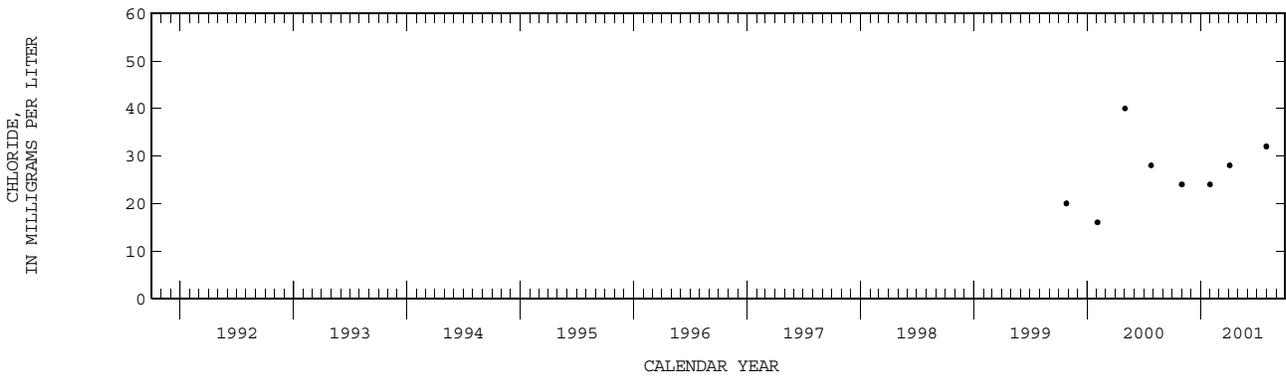
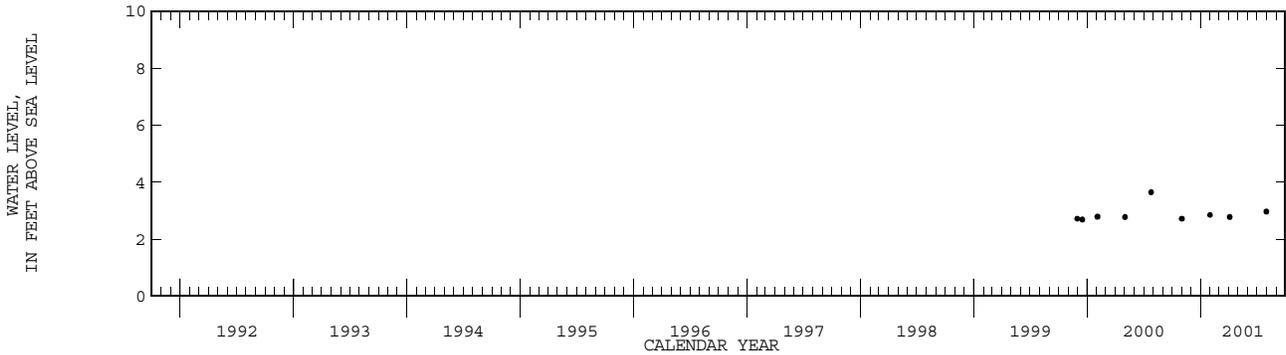
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in front of the book.

PERIOD OF RECORD.--October 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.65 ft NGVD, July 25, 2000; lowest, 2.69 ft NGVD, Dec. 16, 1999.

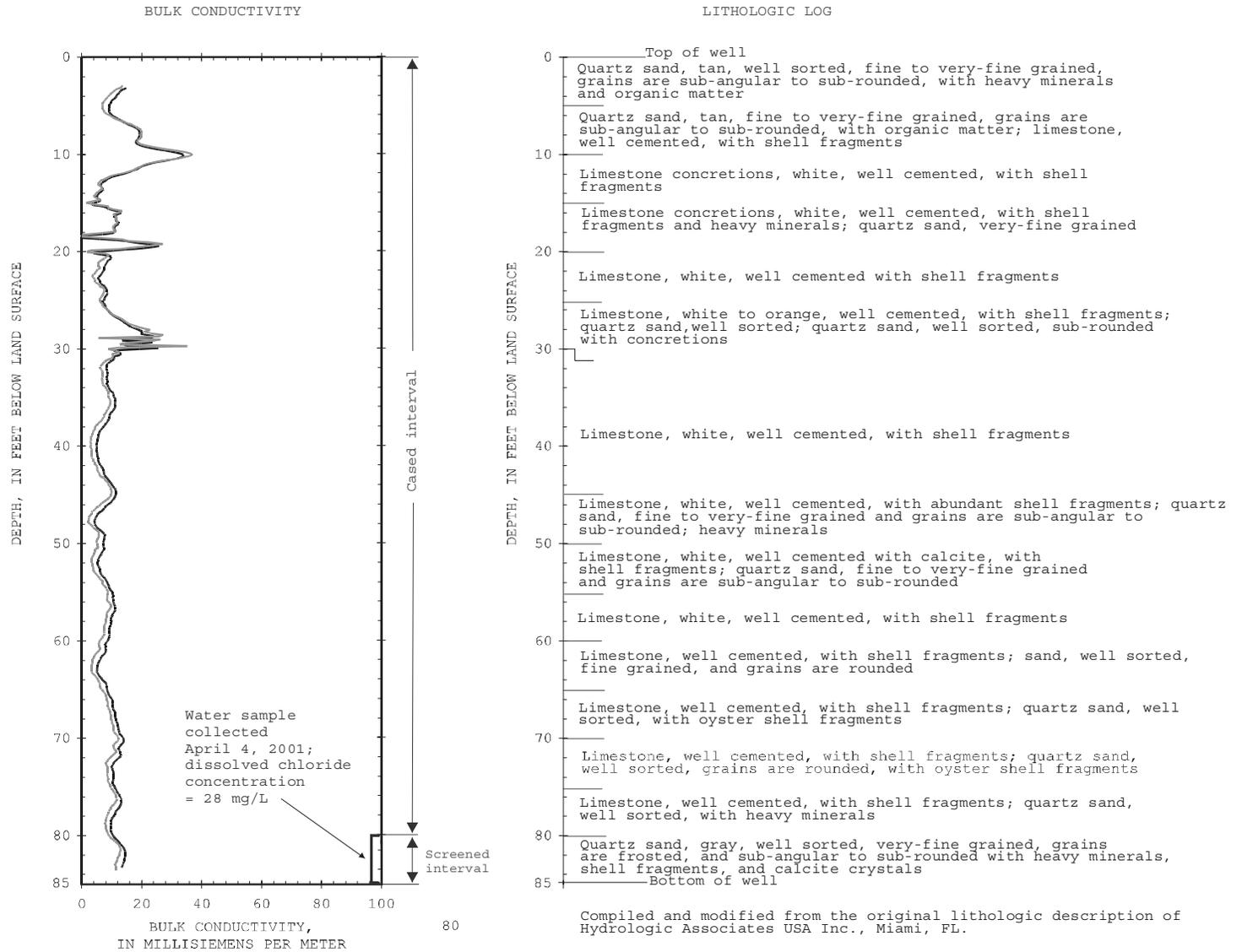
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 01...	0950	370	24.0	2.72	APR 04...	1251	357	28.0	2.78
JAN 31...	1005	387	24.0	2.85	JUL 31...	1216	381	32.0	2.97



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252814080244101. Local Number G 3698. USGS Observation Well near Homestead, FL.



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 4, 2001
- Shaded line represents bulk conductivity in millisiemens per meter April 11, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252829080285101. Local Number F 358. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°28'29", long 80°28'51", in NE ¼ NE ¼ sec.13, T.57 S., R.38 E., Hydrologic Unit 03090202, at NW 6th Street and NW 2nd Avenue in Homestead, 0.2 mi west of SR 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 7.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.25 ft above land-surface datum.

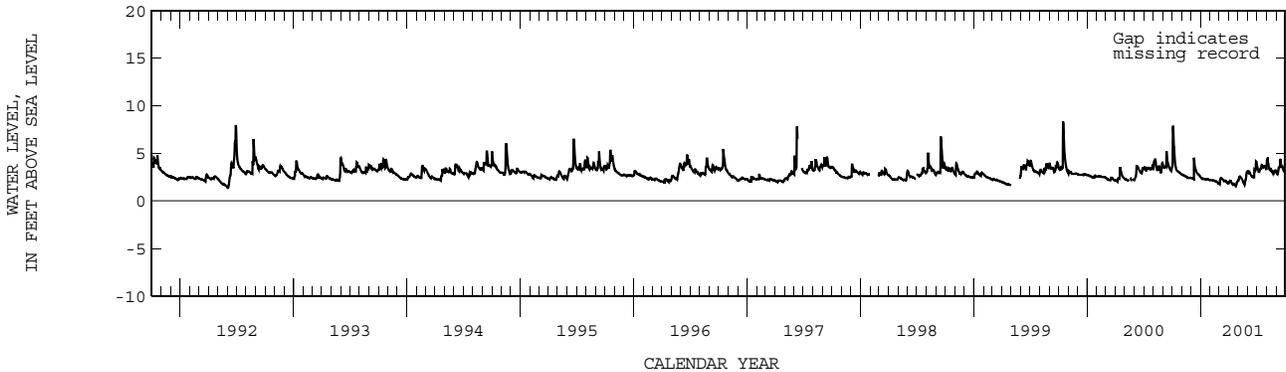
REMARKS.--Records of water levels prior to January 1957 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.35 ft NGVD, Oct. 15, 1999; lowest, 1.18 ft below NGVD, June 13, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.71	2.73	2.40	2.38	2.20	2.30	2.10	2.57	3.11	3.23	4.15	3.06
10	3.98	2.65	4.54	2.33	2.17	2.36	1.94	2.46	2.82	3.27	3.33	3.55
15	3.26	2.55	3.31	2.29	2.11	2.16	1.80	2.18	2.60	3.75	3.41	4.35
20	3.08	2.45	2.96	2.29	2.04	2.16	1.71	1.85	2.49	3.57	2.99	3.68
25	2.96	2.43	2.78	2.29	1.92	1.97	1.67	2.18	3.18	3.69	3.04	3.19
EOM	2.83	2.43	2.55	2.19	1.84	1.84	2.10	3.10	3.98	3.25	3.10	4.54
MAX	7.91	2.82	4.54	2.48	2.20	2.42	2.11	3.10	4.18	3.79	4.46	4.59



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252906080213101. Local Number G 3550. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'08", long 80°21'31", in SW ¼ SE ¼ NW ¼ sec.8, T.57 S., R.40 E., Hydrologic Unit 03090202, east of Homestead Air Force Base on SW 304th Street (Kings Highway), 0.5 mi east of SW 107th Avenue, 7.5 mi east of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 13 ft, cased to 8 ft, screened 8 to 13 ft.

INSTRUMENTATION.--Electronic data logger.

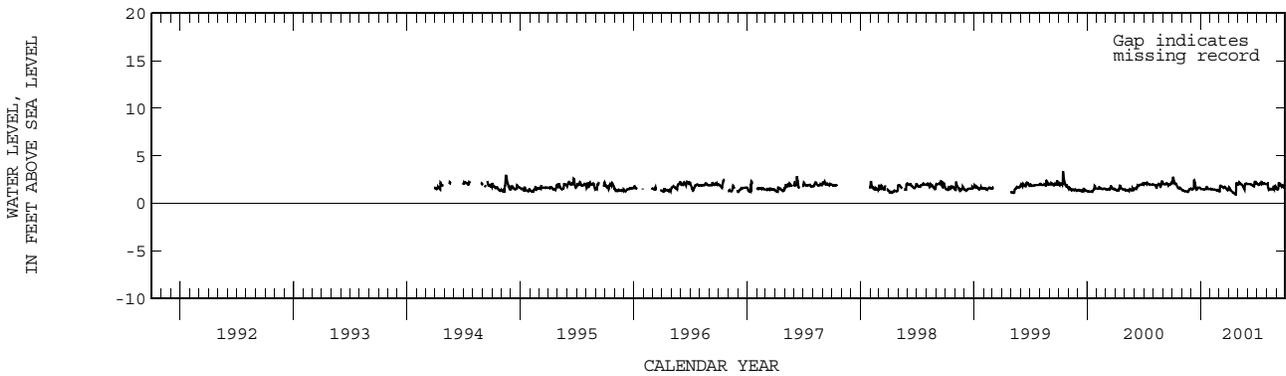
DATUM.--Land-surface datum is 1.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 4.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.40 ft NGVD, Oct. 15, 1999; lowest, 0.94 ft NGVD, Apr. 24, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.61	1.35	1.49	1.52	1.50	1.86	1.47	2.22	2.05	2.00	1.91	1.49
10	2.05	1.31	2.41	1.49	1.49	1.77	1.31	2.04	2.02	2.03	1.47	2.15
15	1.98	1.26	1.83	1.52	1.45	1.66	1.15	1.88	1.93	2.28	1.55	1.91
20	1.62	1.22	1.51	1.73	1.41	1.72	1.02	1.62	1.86	2.05	1.46	1.93
25	1.67	1.50	1.69	1.54	1.36	1.49	2.12	2.03	2.21	2.09	1.50	1.67
EOM	1.48	1.56	1.59	1.51	1.32	1.48	1.97	2.04	2.18	2.03	1.64	2.33
MAX	2.82	1.56	2.43	1.73	1.53	1.86	2.13	2.25	2.28	2.28	2.09	2.44



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252918080234201. Local Number G 1183. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'18", long 80°23'42", in NW ¼ SW ¼ NW ¼ sec.12, T.57 S., R.39 E., Hydrologic Unit 03090202, on Homestead Air Force Base, 3.0 mi southeast of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 47 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 6.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.89 ft above land-surface datum. Prior to March 26, 2001, the measuring point elevation was 1.88 ft above land-surface datum. See REMARKS.

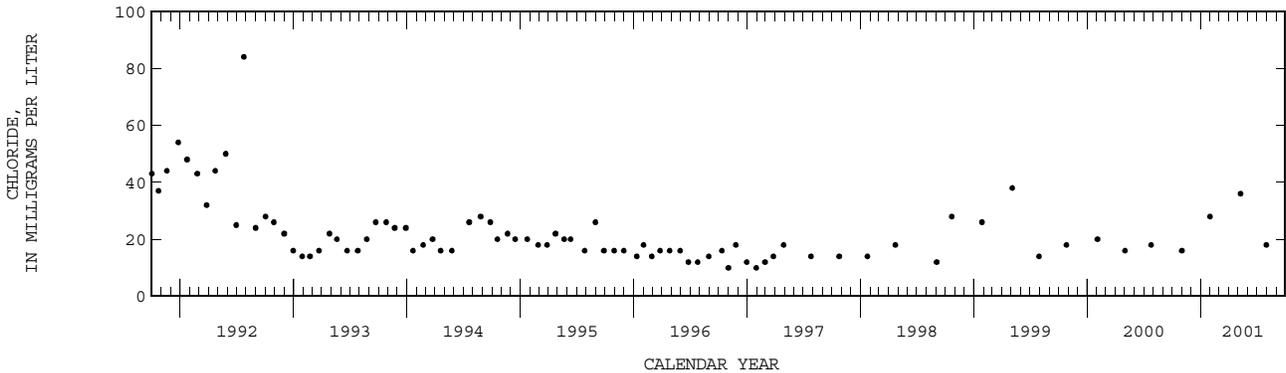
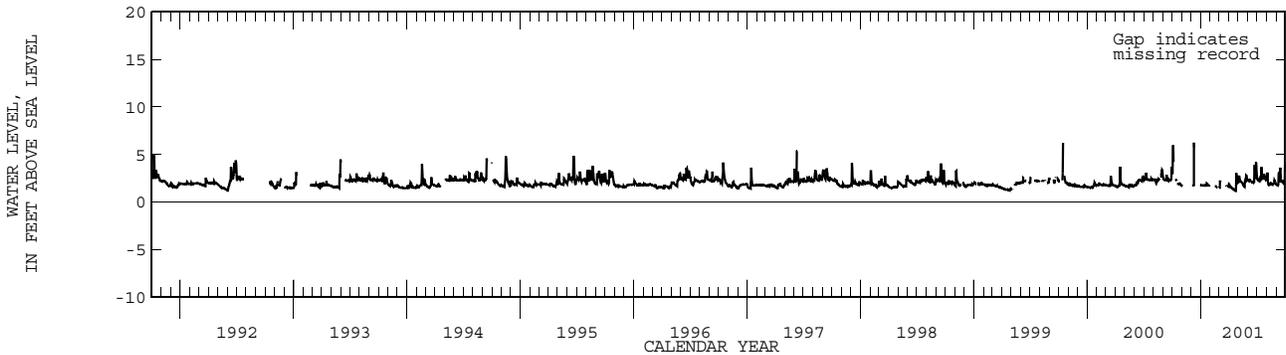
REMARKS.--Well also used for salinity monitoring. Records of water levels prior to October 1973, are available in files of the Geological Survey. Station was rebuilt and a new measuring point was established March 26, 2001. See DATUM.

PERIOD OF RECORD.--January 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.23 ft NGVD, Oct. 15, 1999; lowest, 0.83 ft below NGVD, May 12, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.23	---	1.72	1.76	---	2.18	1.66	2.60	2.43	2.28	2.24	1.80
10	---	---	6.22	1.75	---	---	1.52	2.16	2.25	2.43	1.84	3.08
15	2.20	---	---	1.75	1.69	---	1.41	1.98	2.11	3.68	2.00	2.70
20	1.91	---	---	1.98	1.62	---	1.27	1.71	2.17	2.99	1.85	2.26
25	1.98	---	---	1.76	---	1.68	3.04	2.31	2.76	2.56	1.84	2.00
EOM	1.76	---	1.80	---	---	1.65	2.12	2.32	3.07	2.29	1.89	3.18
MAX	5.89	1.72	6.22	1.98	1.69	2.18	3.04	2.82	4.20	3.68	3.13	4.19



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252928080332401. Local Number G 789. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'28", long 80°33'24", in SE ¼ SE ¼ SE ¼ sec. 6, T.57 S., R.38 E., Hydrologic Unit 03090202, in agricultural field at Homestead General Airport, north of Avocado Drive, 3.5 mi northwest of Homestead, and 4.9 mi west of SR 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 30 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 6.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.02 ft above land-surface datum.

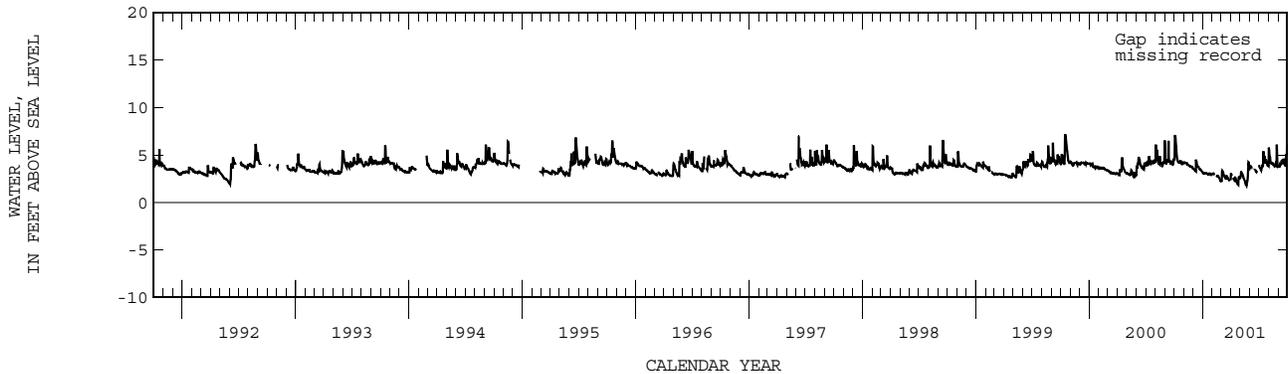
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.73 ft NGVD, Aug. 18, 1981; lowest, 0.90 ft below NGVD, May 8, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.80	4.17	3.43	3.05	3.06	3.36	2.84	3.19	3.80	3.63	4.84	3.82
10	4.62	4.16	4.52	3.11	---	2.89	2.53	2.77	---	3.66	4.18	4.21
15	4.20	3.96	3.85	3.04	2.81	2.57	2.64	2.33	---	5.37	4.11	4.38
20	4.37	3.84	3.62	3.00	2.73	2.75	2.17	1.91	3.36	4.15	3.80	4.25
25	4.05	3.77	3.47	3.01	2.44	2.46	1.88	2.35	---	4.21	3.89	3.87
EOM	4.25	3.60	3.20	3.00	2.32	2.35	2.57	3.70	---	3.84	3.80	5.02
MAX	7.09	4.20	4.52	3.12	3.06	3.36	2.99	4.25	3.85	5.37	6.07	6.09



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252933080210001. Local Number G 3549. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'33", long 80°21'00", in SE ¼ SE ¼ SE ¼ sec.5, T.57 S., R.40 E., Hydrologic Unit 03090202, east of Homestead Air Force Base, 0.23 mi north of Military Canal and 0.2 mi west of L-31 East Canal, 0.9 mi east of SW 107th Avenue, 8.5 mi northeast of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 11 ft, cased to 6 ft, screened 6 to 11 ft.

INSTRUMENTATION.--Electronic data logger.

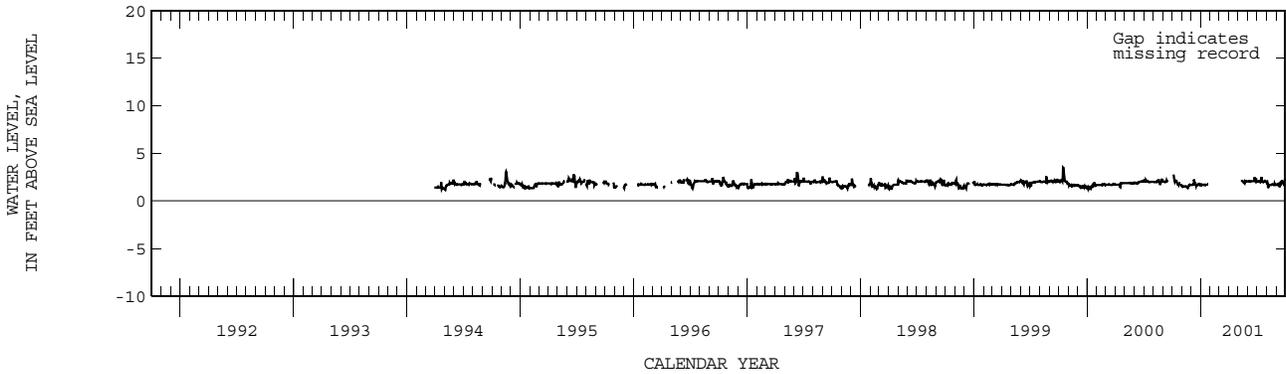
DATUM.--Land-surface datum is 4.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.96 ft above land-surface datum.

PERIOD OF RECORD.--March 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.53 ft NGVD, Oct. 15, 1999; lowest, 1.20 ft NGVD, May 4, 1994.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.79	1.54	1.71	1.71	---	---	---	---	2.09	2.05	1.59	1.73
10	2.13	1.55	2.27	1.69	---	---	---	2.13	2.08	2.03	1.68	1.79
15	2.03	1.52	1.79	1.67	---	---	---	2.08	2.09	2.53	1.68	1.94
20	1.74	1.35	1.65	1.72	---	---	---	1.93	2.09	2.01	1.73	2.02
25	1.85	1.69	1.81	---	---	---	---	2.07	2.17	2.03	1.70	1.71
EOM	1.61	1.68	1.67	---	---	---	---	2.06	2.04	2.06	1.70	2.16
MAX	2.79	1.71	2.27	1.74	---	---	---	2.13	2.49	2.53	1.91	2.39



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252944080233401. Local Number G 1179. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'44", long 80°23'34", in NE ¼ SW ¼ SW ¼ sec.1, T.57 S., R.39 E., Hydrologic Unit 03090202, 23 mi southwest of Miami, 3 mi southeast of US 1, in field southeast of Sandia and St. Lo intersection at Homestead Air Force Base.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.  
 WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 51 ft.

INSTRUMENTATION.--Semiannual measurement with chalked tape.

DATUM.--Land-surface datum is 6.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

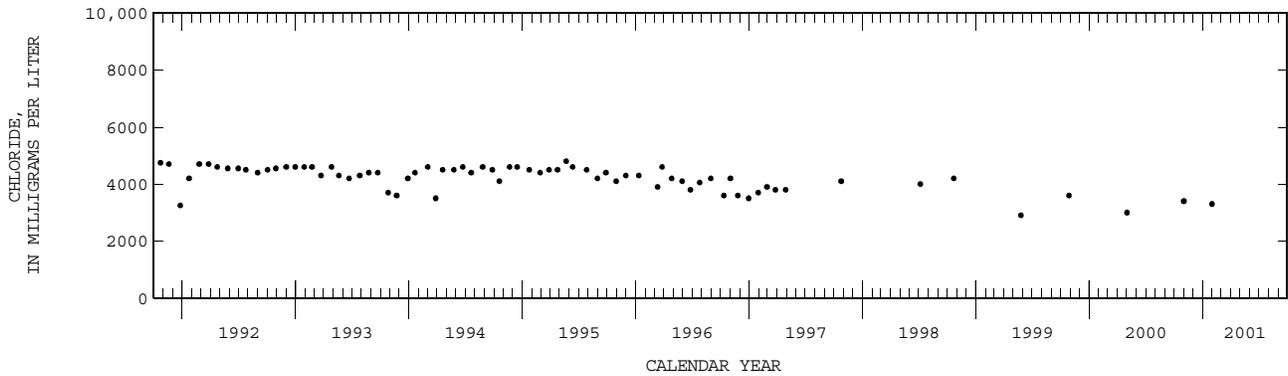
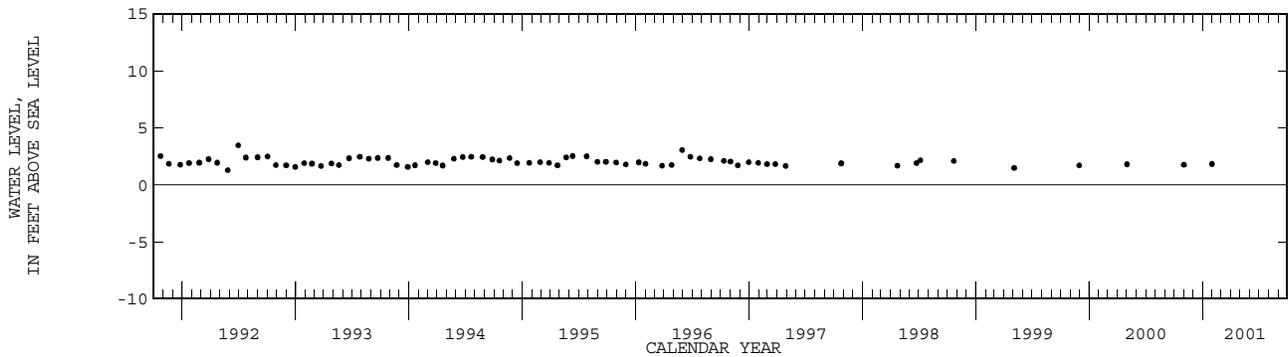
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--June 1983 to September 1996 (monthly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.22 ft NGVD, May 31, 1985; lowest, 0.87 ft NGVD, Mar. 27, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 01...	1141	9050	3400	1.76	JAN 31...	1103	10300	3300	1.83



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252947080235301. Local Number G 1180. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'47", long 80°23'53", in SW ¼ NE ¼ sec.2, T.53 S., R.57 E., Hydrologic Unit 03090202, 23 mi southwest of Miami, 3 mi southeast of US 1, in fuel storage area at Homestead Air Force Base.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 67 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 6.46 ft above National Geodetic Vertical Datum of 1929. Prior to October 1999, land-surface datum was considered to be 5.46 ft NGVD. Measuring point: Top of casing, 0.45 ft above land-surface datum. Prior to May 7, 2001 the top of casing was at land-surface datum.

REMARKS.--Well also used for salinity monitoring. Revised measuring point May 7, 2001, is from top of well reconstruction.

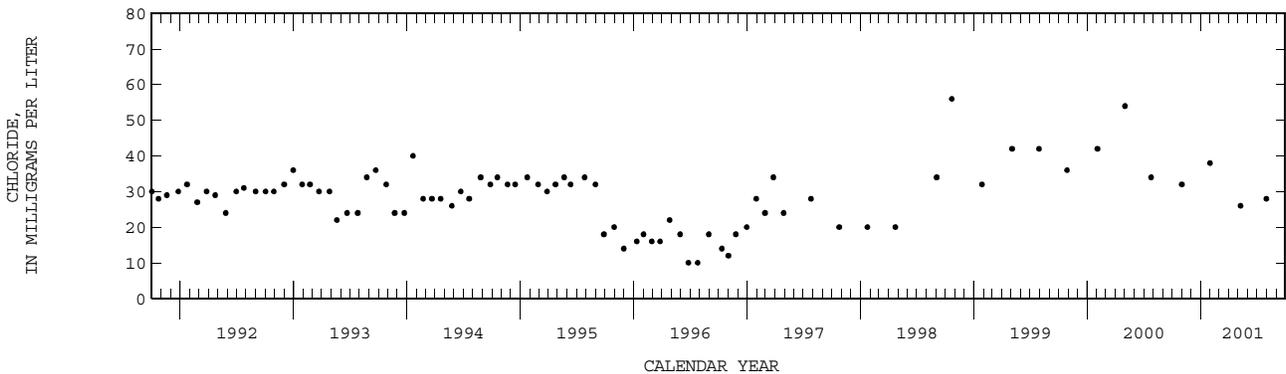
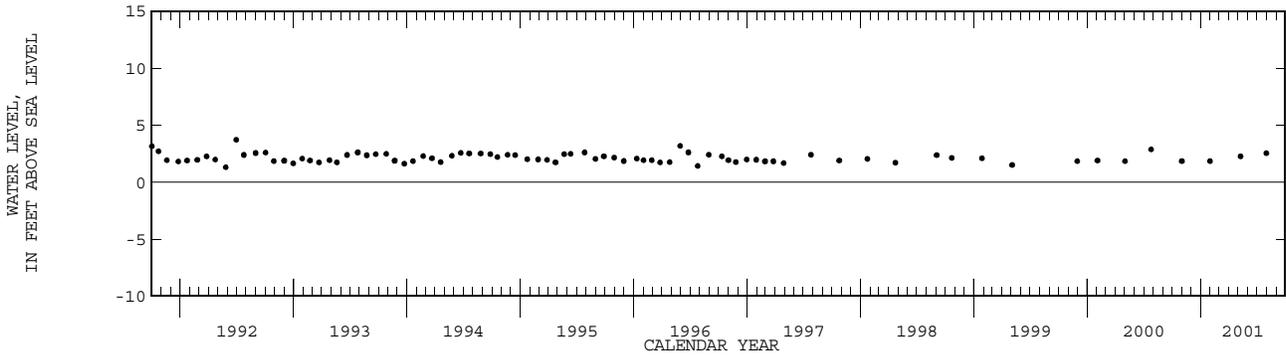
Figures of water levels as elevation, in ft NGVD, prior to October 1999, are in error. Corrected records are available in the files of the Geological Survey.

PERIOD OF RECORD.--June 1983 to September 1996 (monthly), October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft NGVD, July 28, 1983; lowest, 0.50 ft below NGVD, Feb. 25, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 01...	1109	539	32.0	1.85	MAY 09...	1002	434	26.0	2.27
JAN 31...	1050	520	38.0	1.85	JUL 31...	1107	550	28.0	2.54



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252955080340701. Local Number G 3622. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'55", long 80°34'07", in SE ¼ SE ¼ NW ¼ sec.6, T.57 S., R.36 E., Hydrologic Unit 03090202, 0.7 mi west of Homestead General Airport, south of SW 288th Street, 3.5 mi northwest of Homestead, and 5.0 mi west of SR 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 10 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 5.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.22 ft above land-surface datum. Prior to June 30, 2000, measuring point was 3.00 ft above land-surface datum.

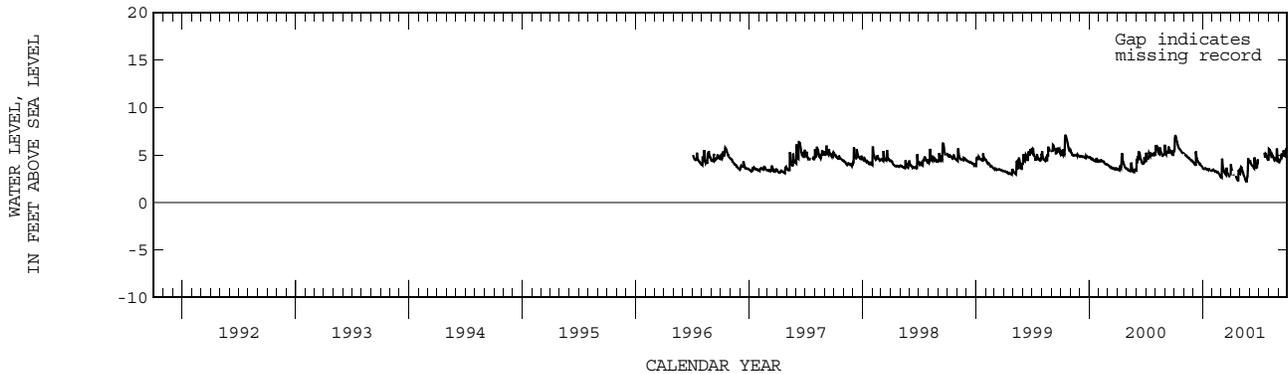
REMARKS.--Well was destroyed June 29, 2001, and rebuilt with new base July 18, 2001.

PERIOD OF RECORD.--June 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.04 ft NGVD, Oct. 16, 17, 1999; lowest, 2.14 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.01	5.02	4.07	3.53	3.45	4.51	3.35	3.70	4.15	---	5.57	4.33
10	6.31	4.91	5.37	3.56	3.28	3.33	2.98	3.13	3.87	---	5.06	4.88
15	5.80	4.73	4.44	3.49	3.21	2.99	---	2.67	3.58	---	4.88	5.08
20	5.57	4.59	4.15	3.50	3.13	3.24	2.57	2.30	3.86	4.74	4.44	5.20
25	5.29	4.45	4.01	3.43	2.87	2.89	2.32	2.74	4.23	4.85	4.48	4.83
EOM	5.16	4.30	3.71	3.41	2.71	2.83	3.07	4.07	---	4.40	4.53	5.92
MAX	7.01	5.05	5.37	3.62	3.46	4.60	4.05	4.65	4.75	5.24	5.68	6.00



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253012080261401. Local Number G 1486. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'10", long 80°26'14", in NW ¼ NE ¼ SE ¼ sec.4, T.57 S., R.39 E., Hydrologic Unit 03090202, at the southwest corner of SW 284th Street and SW 152nd Avenue, 0.3 mi east of US 1, and 3.0 mi northeast of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 32 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 10.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 2.68 ft above land-surface datum.

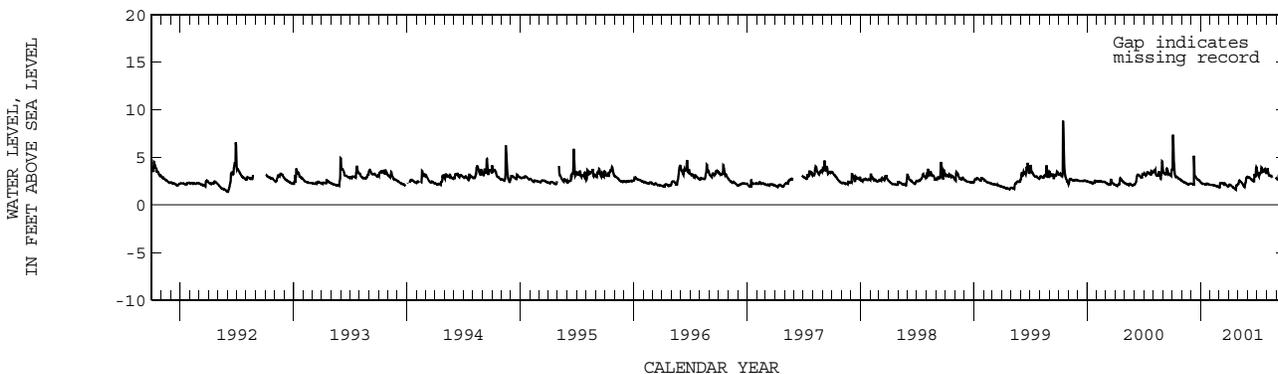
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--May 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.87 ft NGVD, Aug. 18, 1981; lowest, 0.82 ft below NGVD, May 13, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.61	2.46	2.21	2.28	2.12	2.31	2.12	2.58	2.93	3.17	3.45	2.69
10	3.08	2.39	5.18	2.22	2.09	2.31	2.02	2.43	2.77	3.30	3.11	3.18
15	3.00	2.30	3.00	2.20	2.05	2.18	1.85	2.23	2.66	3.95	3.11	---
20	2.83	2.19	2.74	2.25	2.00	2.25	1.73	1.98	2.50	3.56	2.86	---
25	2.73	2.22	2.64	2.19	1.94	2.06	2.02	2.33	3.02	3.73	---	---
EOM	2.57	2.26	2.44	2.13	1.90	1.98	2.17	2.95	3.95	3.27	2.88	---
MAX	7.39	2.55	5.18	2.39	2.12	2.34	2.17	2.95	4.04	3.95	3.85	3.29



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253024080231001. Local Number G 3615. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'24", long 80°23'10", in NE ¼ NW ¼ NE ¼ sec.1, T.57 S., R.39 E., Hydrologic Unit 03090202, approximately 0.9 mi west of SW 112th Avenue on SW 280th Street, 17 ft east of Homestead Air Force Base perimeter fence.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 80 ft, cased to 75 ft, screened 75 to 80 ft.

INSTRUMENTATION.--Annual profile using an induction logger.

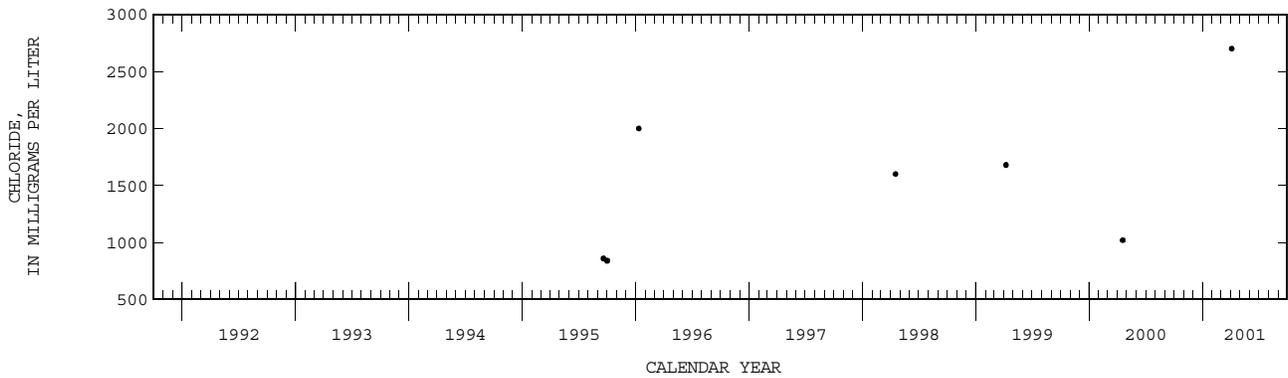
DATUM.--Land-surface datum is 4.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum. Prior to March, 2000, land-surface datum was estimated 5 ft above NGVD using a topographic map.

REMARKS.--Well also used for salinity monitoring. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

PERIOD OF RECORD.--January 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

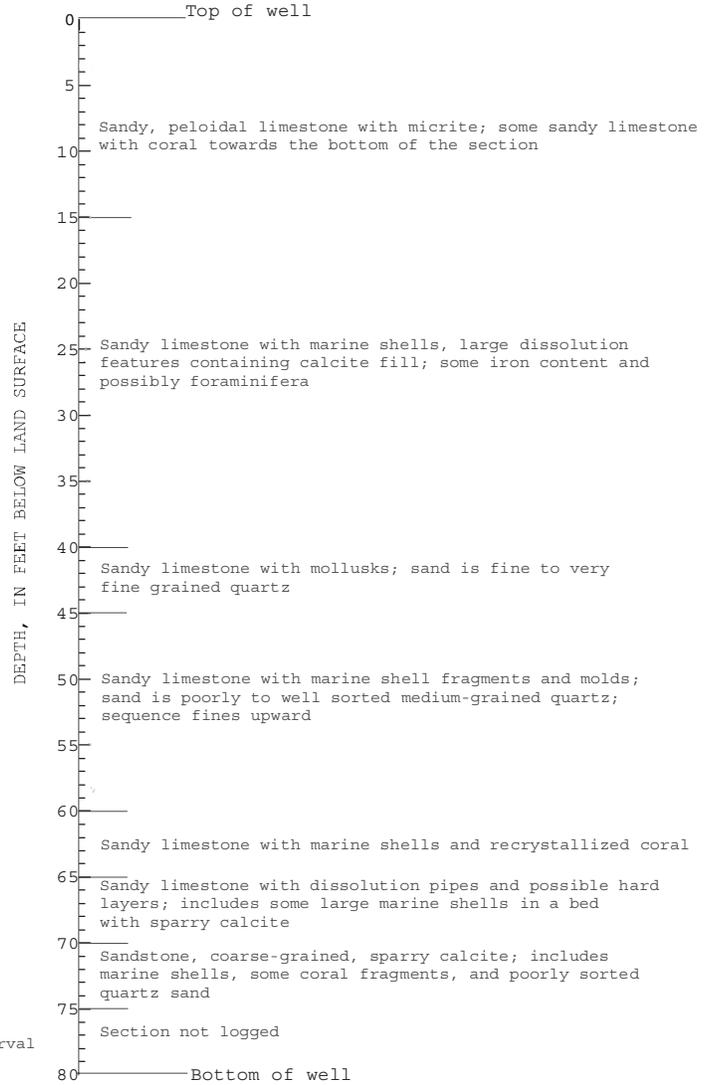
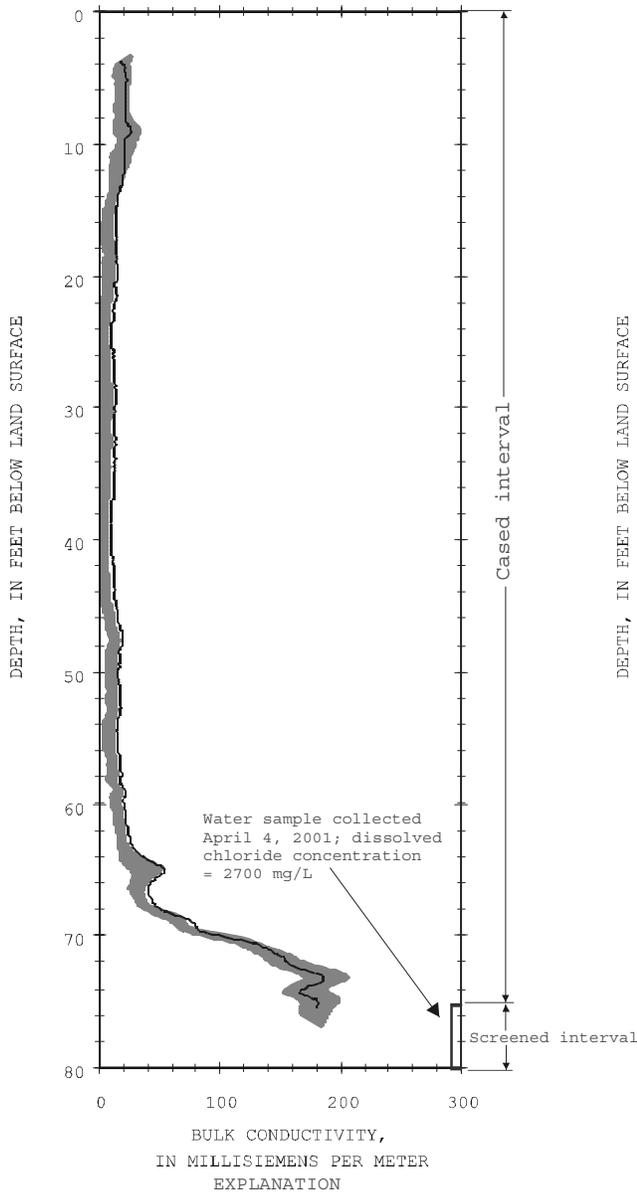
DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
APR			
04...	0959	7550	2700



WELL NUMBER.--253024080231001. Local Number G 3615. USGS Observation Well near Homestead, FL.

BULK CONDUCTIVITY

LITHOLOGIC LOG



— Bulk conductivity, in millisiemens per meter, April 4, 2001

■ Shaded area represents range in bulk conductivity logs collected annually from January 11, 1996 to April 18, 2000

[ Delimits the interval for which the well is open to the aquifer

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253027080234701. Local Number G 3700. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'27", long 80°23'47", in SE ¼ SE ¼ SE ¼ sec.35, T.56 S., R.38 E., Hydrologic Unit 03090202, in the sidewalk 37 ft north of SW 280th Street and 200 ft west of SW 127th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 82.5 ft, cased to 77.5 ft, screened 77.5 to 82.5 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 9.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

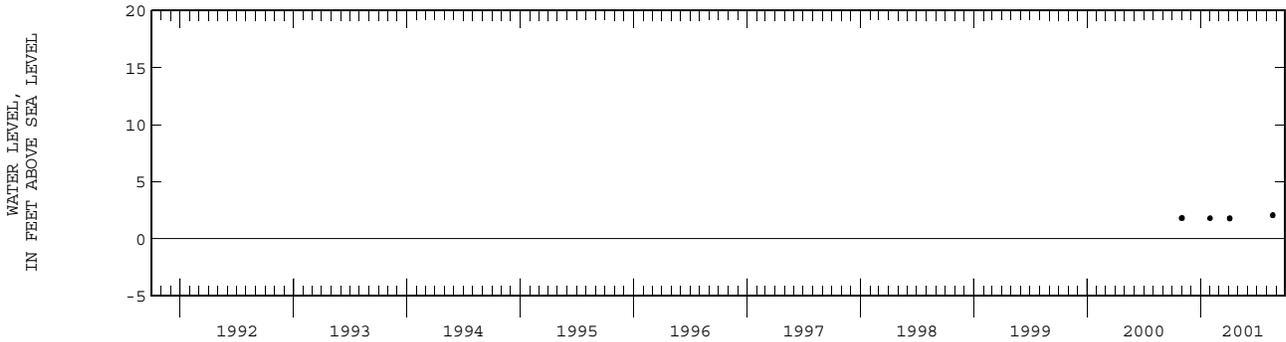
REMARKS.--Well is also logged annually using an induction probe. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Annual induction logs began in April 2000. Water-level measurements began in November 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.07 ft NGVD, Aug. 21, 2001; lowest, 1.79 ft NGVD, Apr. 4, 2001.

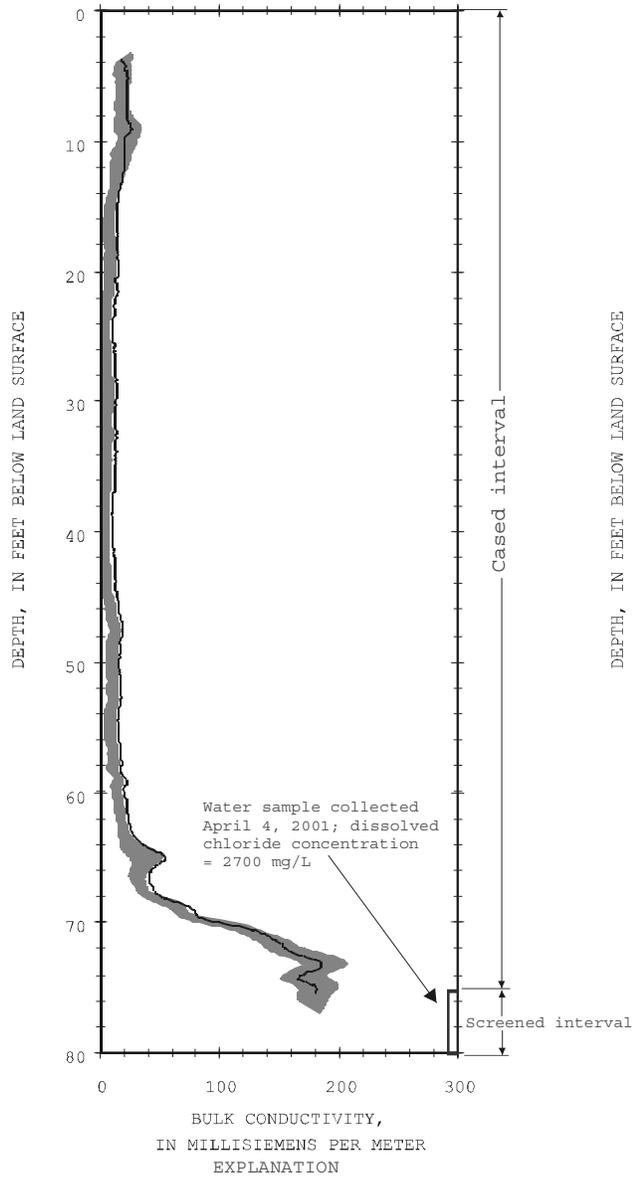
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 01...	1208	1.82	APR 04...	1130	1.79
JAN 31...	1121	1.80	AUG 21...	0848	2.07

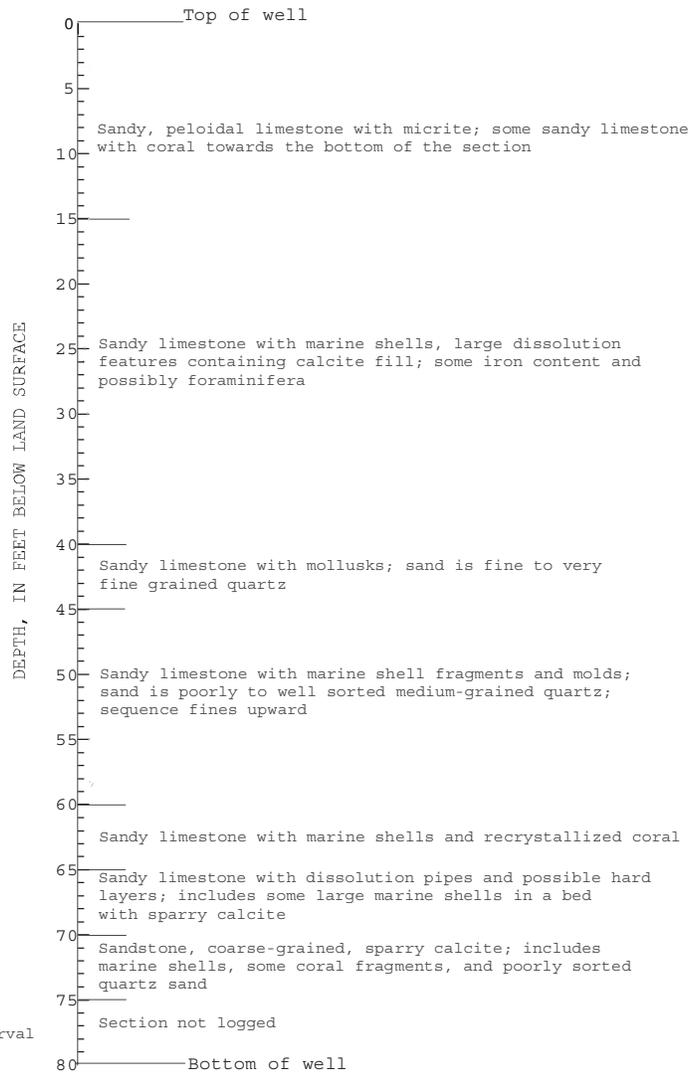


WELL NUMBER.--253027080234701. Local Number G 3700. USGS Observation Well near Homestead, FL.

BULK CONDUCTIVITY



LITHOLOGIC LOG



— Bulk conductivity, in millisiemens per meter, April 4, 2001

█ Shaded area represents range in bulk conductivity logs collected annually from January 11, 1996 to April 18, 2000

[ Delimits the interval for which the well is open to the aquifer

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253029080295601. Local Number S 196A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'29", long 80°29'56", in SW ¼ SE ¼ sec.35, T.56 S., R.38 E., Hydrologic Unit 03090202, at Institute of Food and Agricultural Science Station on Waldin Drive (SW 280th Street), 3.3 mi northwest of Homestead, and 4.3 mi west of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 20 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 10.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.35 ft above land-surface datum. Prior to May 25, 2001, measuring point was 3.21 ft above land-surface datum. Prior to July 26, 2000, measuring point was 3.15 ft above land-surface datum. See REMARKS.

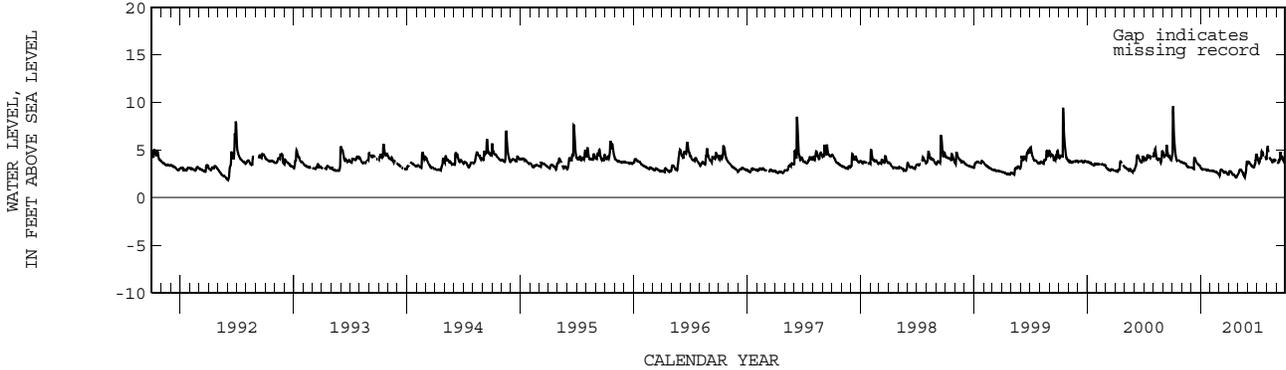
REMARKS.--Revised measuring point because of station reconstruction. See DATUM. Records of water levels prior to January 1956 were published under well number S 196.

PERIOD OF RECORD.--January 1932 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.64 ft NGVD, Oct. 4, 2000; lowest, 1.64 ft below NGVD, May 20, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.93	3.68	3.14	3.00	2.85	2.78	2.78	2.87	3.75	3.94	5.10	3.56
10	4.86	3.60	3.67	3.01	2.81	2.93	2.67	2.93	3.49	3.92	4.28	4.00
15	3.97	3.47	3.98	2.98	2.74	2.74	2.44	2.65	3.32	4.78	3.99	4.69
20	3.93	3.27	3.67	2.91	2.70	2.72	2.33	2.33	3.21	4.61	3.75	4.29
25	3.83	3.19	3.49	2.92	2.56	2.60	2.11	2.53	3.64	--	3.94	3.83
EOM	3.76	3.18	3.24	2.83	2.45	2.42	2.44	3.77	4.53	3.96	--	5.24
MAX	9.64	3.72	4.15	3.10	2.85	2.95	2.78	3.78	4.55	4.89	5.35	5.24



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253214080215401. Local Number G 3613. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°32'14", long 80°21'54", in SE ¼ SE ¼ SE ¼ sec.19, T.56 S., R.40 E., Hydrologic Unit 03090202, approximately 60 ft east of Florida Turnpike, 20 ft north of SW 248th Street, approximately 160 ft north of Goulds Canal.  
 AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 60 ft, cased to 55 ft, screened 55 to 60 ft.

INSTRUMENTATION.--Annual profile using an induction logger.

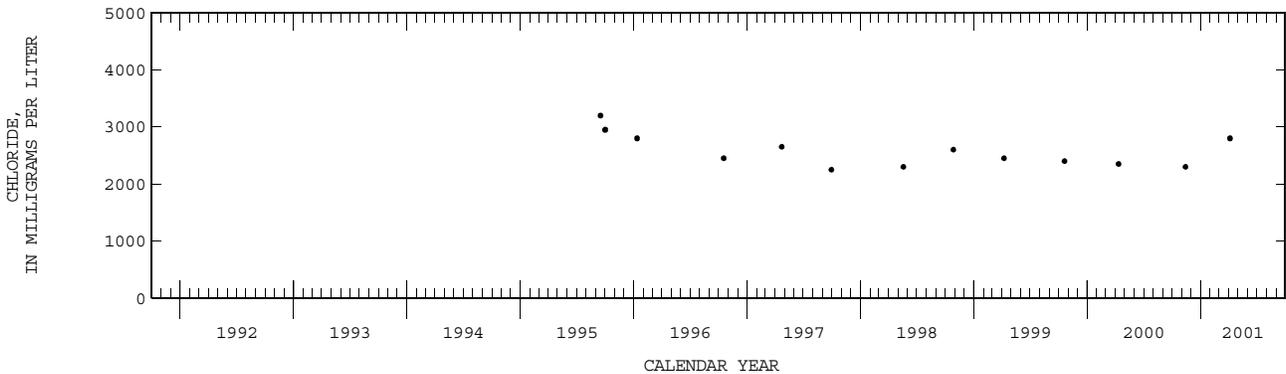
DATUM.--Land-surface datum is 4.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum. Prior to March, 2000, land-surface datum was estimated 5 ft above NGVD from a topographic map.

REMARKS.--Well is also used for salinity monitoring. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

PERIOD OF RECORD.--September 1995 to current year.

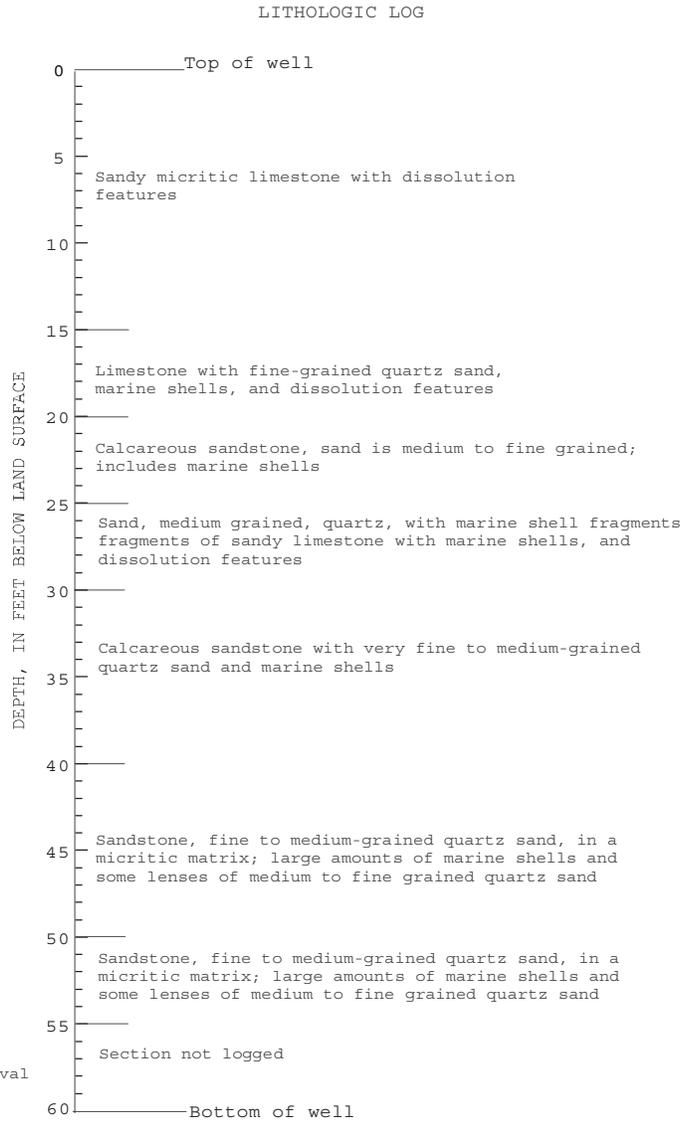
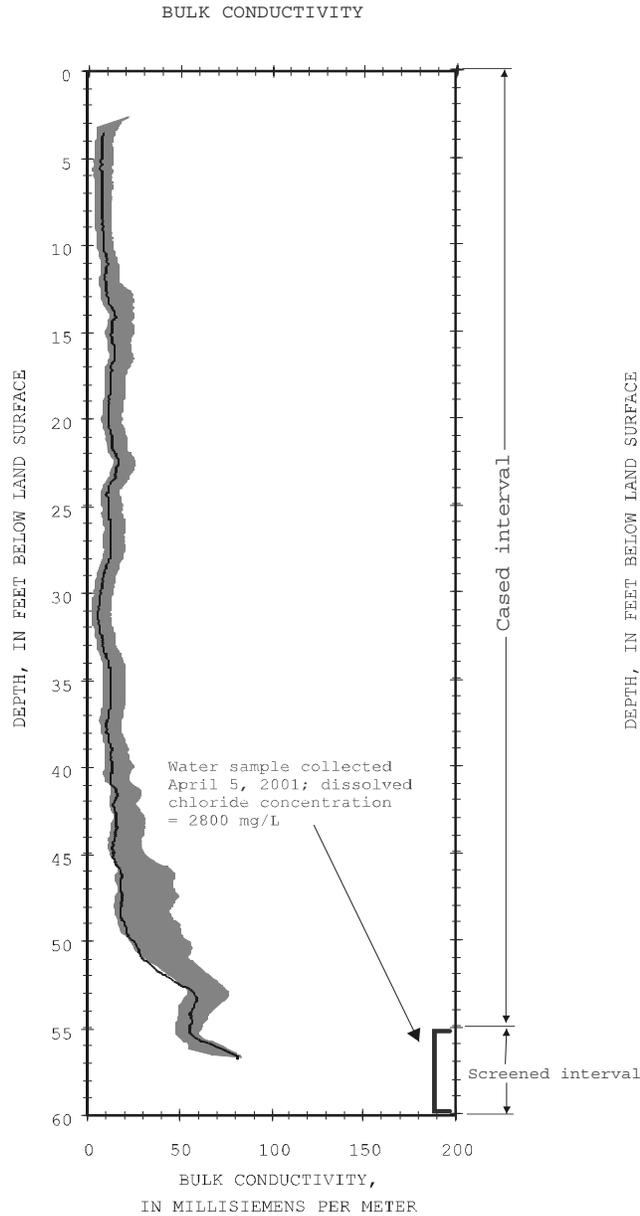
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 13...	1036	7710	2300	APR 05...	0745	7980	2800



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253214080215401. Local Number G 3613. USGS Observation Well near Homestead, FL.



EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 5, 2001

■ Shaded area represents range in bulk conductivity logs collected annually from January 12, 1996 to April 11, 2000.

[ Delimits the interval for which the well is open to the aquifer.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253214080224601. Local Number G 3701. USGS Observation Well near Goulds, FL.

LOCATION.--Lat 25°32'14", long 80°22'46", in SW ¼ SW ¼ sec.19, T.56 S., R.38 E., Hydrologic Unit 03090202, 35 ft. north of SW 248th Street and 190 ft east of SW 117th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 83 ft, cased to 78 ft, screened 78 to 83 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 6.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

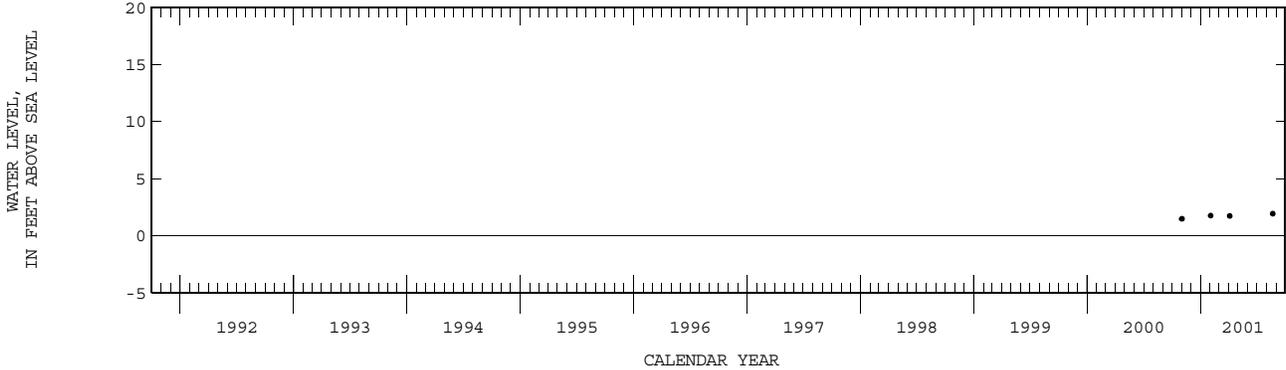
REMARKS.--Well is logged annually using an induction probe. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Annual induction logging began in April 2000. Water-level measurements began in November 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.93 ft NGVD, Aug. 21, 2001; lowest, 1.48 ft NGVD, Nov. 1, 2000.

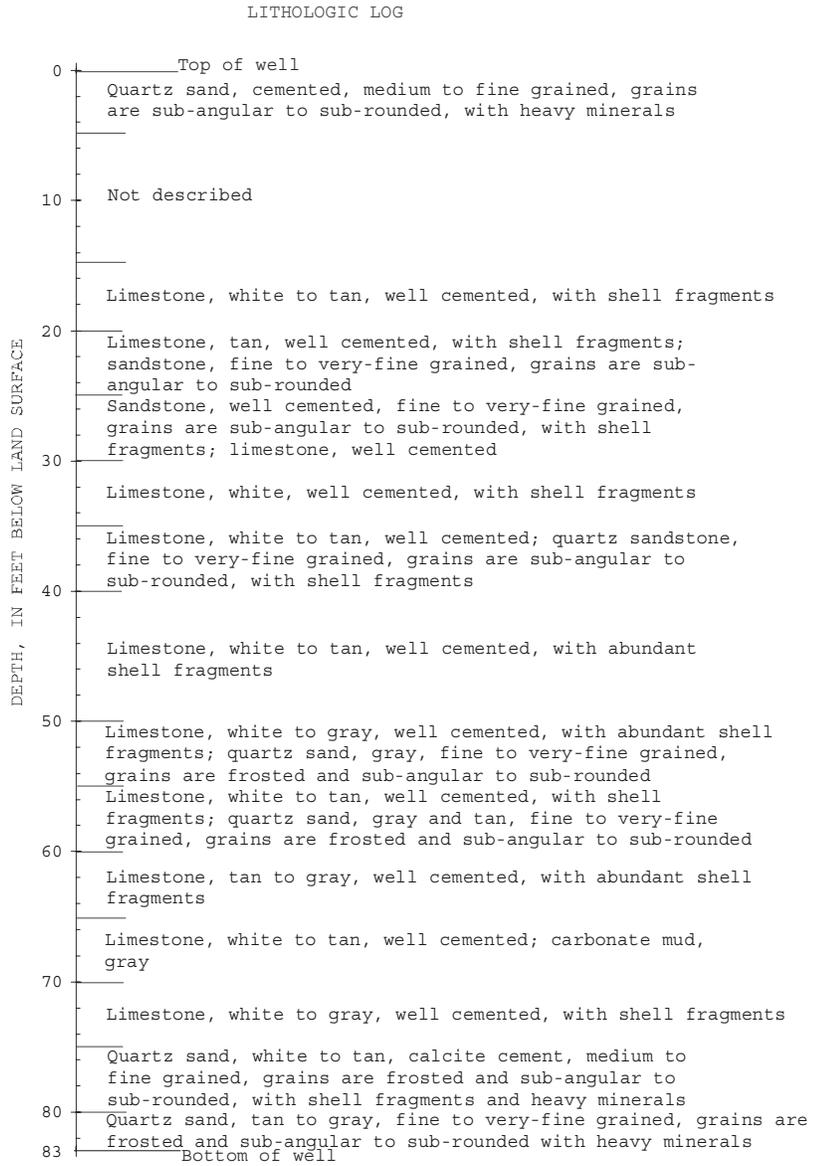
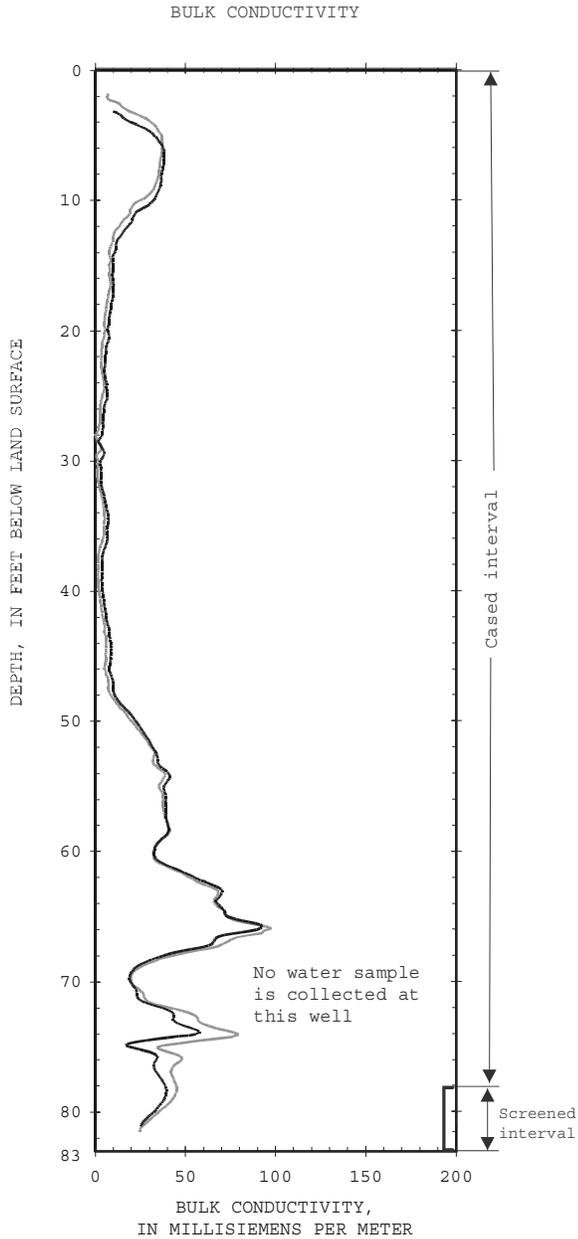
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 01...	1251	1.48	APR 04...	1528	1.73
FEB 02...	0921	1.75	AUG 21...	0922	1.93



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253214080224601. Local Number G 3701. USGS Observation Well near Goulds, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 4, 2001
- Shaded line represents bulk conductivity in millisiemens per meter April 11, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253233080301001. Local Number G 1363. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°32'33", long 80°30'10", in SW ¼ NE ¼ sec.23, T.56 S., R.38 E., Hydrologic Unit 03090202, on Tower Road, 1.5 mi west of SR 997 (Krome Avenue), and 5.4 mi northwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 12 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 9.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.85 ft above land-surface datum. Prior to August 16, 1997, the top of base was 2.76 ft above land-surface datum.

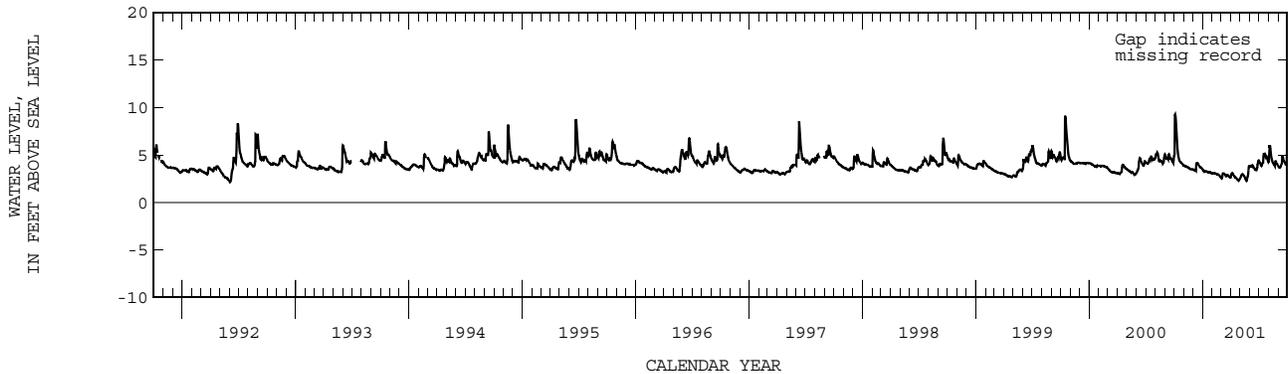
REMARKS.--Station reconstructed August 28, 1997. Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--November 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.80 ft NGVD (estimated), Aug. 18, 1981; lowest, 0.70 ft below NGVD, May 15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.05	3.84	3.41	3.33	3.11	2.82	3.09	2.87	3.85	4.13	5.91	3.67
10	6.23	3.77	3.50	3.31	3.04	3.07	2.93	2.95	3.74	3.91	4.75	3.93
15	4.70	3.69	4.16	3.25	2.99	2.88	2.68	2.73	3.64	4.84	4.19	4.88
20	4.30	3.57	3.90	3.16	2.93	2.90	2.53	2.41	3.45	5.03	3.93	4.35
25	4.13	3.49	3.72	3.18	2.77	2.79	2.32	2.67	3.72	4.87	4.24	4.02
EOM	3.95	3.48	3.50	3.08	2.66	2.65	2.50	3.84	4.45	4.23	3.91	5.75
MAX	9.25	3.93	4.18	3.42	3.11	3.08	3.09	3.84	4.45	5.11	5.92	5.75



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253258080264301. Local Number G 614. USGS Observation Well in Goulds, FL.

LOCATION.--Lat 25°32'58", long 80°26'43", in NW ¼ NW ¼ sec.21, T.56 S., R.39 E., Hydrologic Unit 03090202, at southeast corner of Newton Road and Silver Palm Dr, 3.0 mi west of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

REVISED RECORDS.--WDR FL-85-2B;1981.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 11.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.30 ft above land-surface datum. Prior to October 1997, the top of base was 3.20 ft above land-surface datum. Prior to September 1995, the top of base was 2.95 ft above land-surface datum. See REMARKS.

REMARKS.--Revised measuring point elevations, September 1995 and October 2, 1997, are the result of station reconstruction.

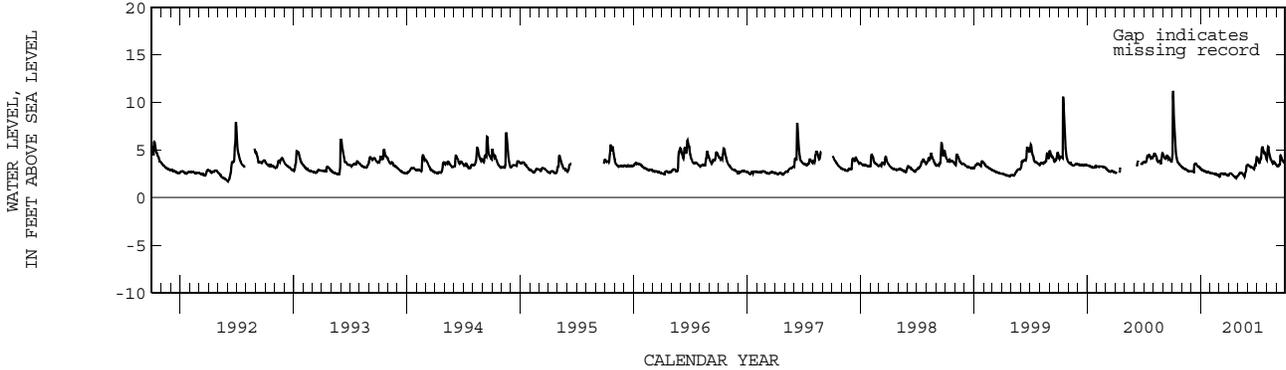
Records of water levels prior to January 1957 are available in the files of the Geological Survey.

PERIOD OF RECORD.--January 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.24 ft NGVD, Oct. 4, 2000; lowest, 0.62 ft below NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.78	3.13	2.76	2.89	2.59	2.44	2.56	2.56	3.36	3.92	5.21	3.28
10	5.95	3.03	2.99	2.84	2.54	2.56	2.53	2.63	3.24	3.81	4.56	3.50
15	4.15	2.97	3.60	2.78	2.50	2.48	2.36	2.53	3.19	4.67	4.00	4.42
20	3.66	2.84	3.43	2.70	2.45	2.51	2.20	2.32	3.02	5.15	3.67	4.04
25	3.48	2.78	3.27	2.70	2.36	2.42	2.06	2.62	3.44	4.76	3.77	3.74
EOM	3.26	2.80	3.08	2.62	2.30	2.34	2.30	3.45	4.26	4.07	3.50	4.77
MAX	11.24	3.23	3.60	2.97	2.60	2.56	2.57	3.45	4.26	5.32	5.38	4.77



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253334080213601. Local Number G 3702. USGS Observation Well near Cutler Ridge, FL.

LOCATION.--Lat 25°33'34", long 80°21'36", in SE 1/4 SW 1/4 NW 1/4 sec.17, T.56 S., R.40 E., Hydrologic Unit 03090202, 32 ft west of Black Creek Canal and 183 ft north of SW 220th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 83 ft, cased to 78 ft, screened 78 to 83 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 4.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

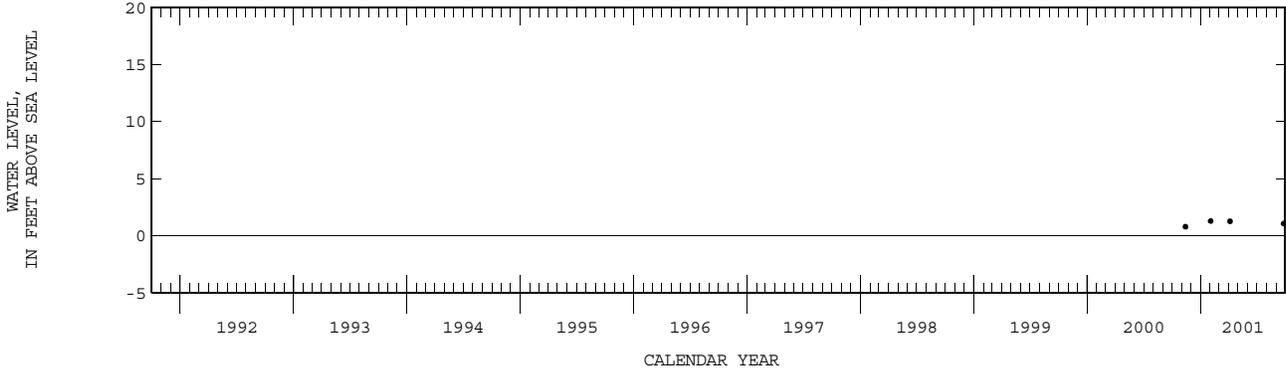
REMARKS.--Well is also logged annually using an induction probe. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Water-level measurements began in November 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 1.28 ft NGVD, Feb 2, 2001; lowest, 0.79 ft NGVD, Nov. 13, 2000.

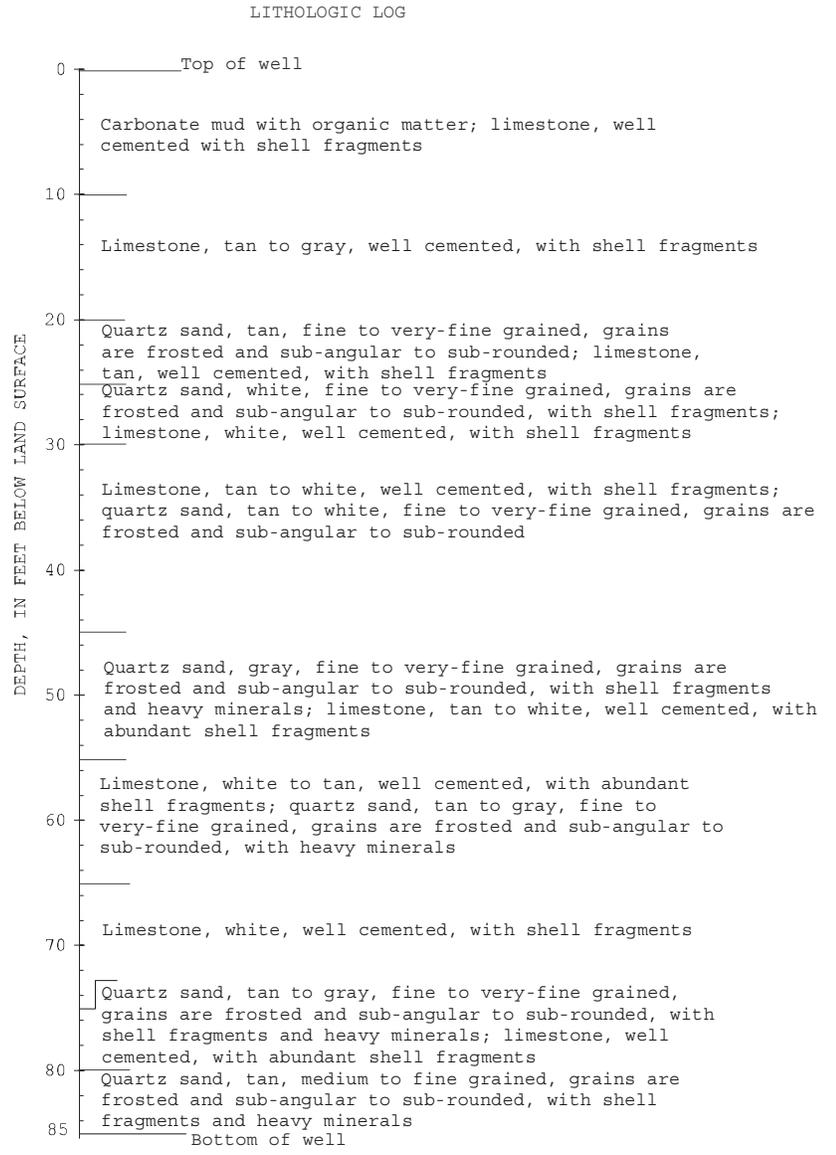
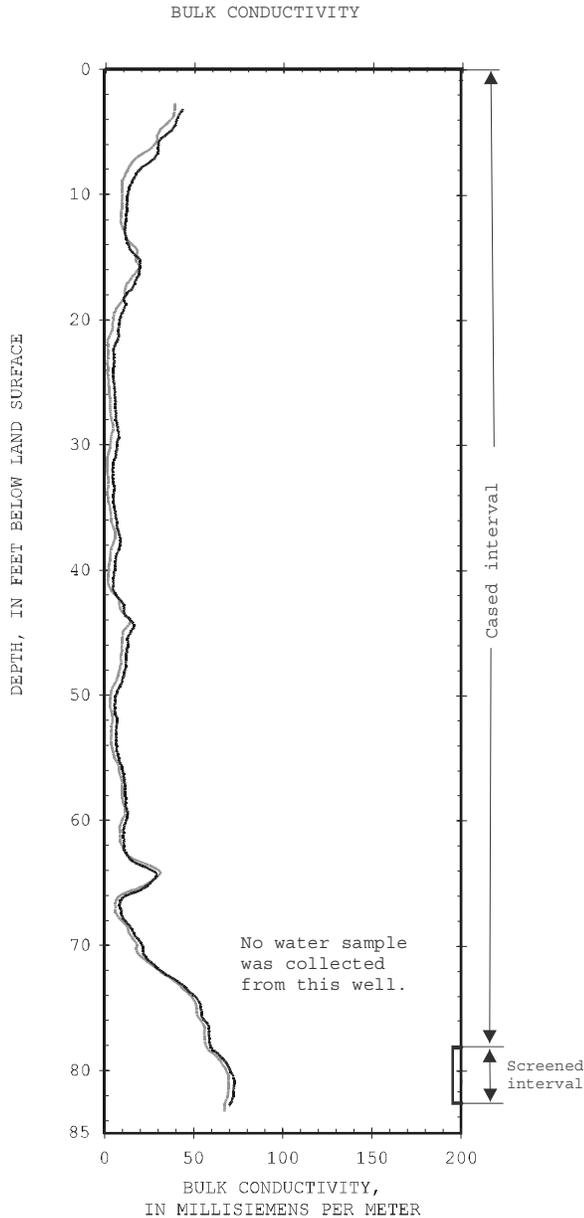
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 13...	1056	.79	APR 05...	1029	1.26
FEB 02...	1042	1.28	SEP 25...	0824	1.05



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253334080213601. Local Number G 3702. USGS Observation Well near Cutler Ridge, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 5, 2001
- Shaded line represents bulk conductivity in millisiemens per meter April 11, 2000.
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253400080340401. Local Number G 3437. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°34'00", long 80°34'04", in SE ¼ SW ¼ sec.7, T.56 S., R.38 E., Hydrologic Unit 03090202, 1.5 mi west of Levee 31, 0.15 mi north of SW 216th Street and 10 mi northwest of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 12.5 ft, cased to 12.5 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 6.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.07 ft above land-surface datum. From the period of April 1, 1988 to February 14, 1996, top of base was considered to be 1.00 ft above land-surface datum. See REMARKS.

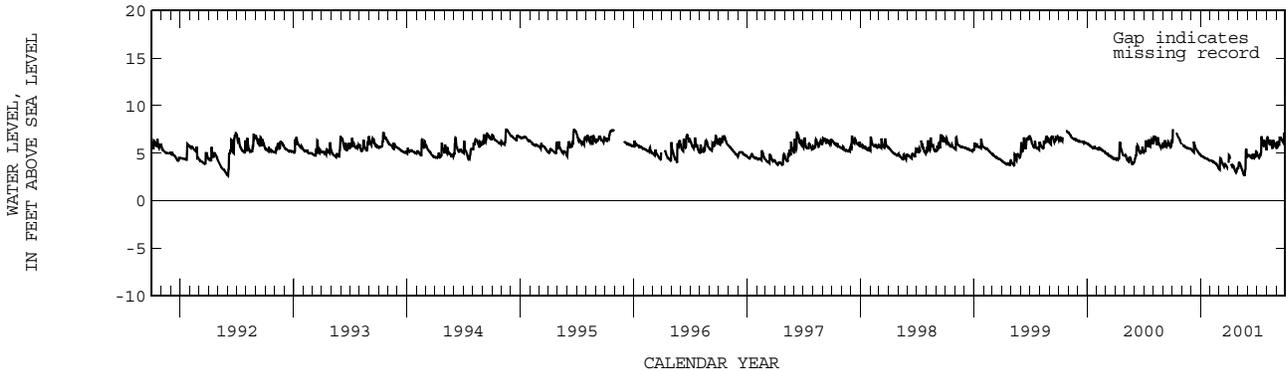
REMARKS.--During a major storm that occurred on October 3-4, 2000, heavy rains caused flooding that caused the float to come out of the well. The extreme water level shown for the period of record, on October 5, 2000, was determined by a manual depth to water measurement made from the measuring point. The actual highest water level that occurred could not be determined. The figures of water level as elevation, in feet NGVD, between the period April 1, 1988 to September 30, 1995 are in error. Corrected records are in files of the Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.68 ft NGVD, Oct. 5, 2000; lowest daily maximum water level, 1.61 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	5.84	5.23	4.70	4.25	4.49	4.38	4.02	4.79	4.73	6.49	5.92
10	---	5.75	6.22	4.63	4.10	4.09	3.81	3.62	4.68	4.67	5.96	5.88
15	7.09	5.60	5.57	4.48	3.98	3.71	3.72	3.14	4.39	6.71	5.90	6.60
20	6.72	5.56	5.30	4.46	3.87	3.90	3.29	2.75	4.62	6.38	5.47	6.38
25	6.36	5.54	5.07	4.36	3.57	3.64	2.94	3.27	4.69	5.97	6.18	6.28
EOM	5.96	5.45	4.83	4.26	3.41	3.98	3.41	4.65	5.15	5.34	5.61	7.26
MAX	7.55	5.86	6.22	4.78	4.26	4.49	4.82	5.48	5.24	6.71	6.67	7.26



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253457080195501. Local Number G 3612. USGS Observation Well near Cutler Ridge, FL.

LOCATION.--Lat 25°34'57", long 80°19'55", in SW ¼ SW ¼ SW ¼ sec.3, T.56 S., R.40 E., Hydrologic Unit 03090202, at St. Timothy's Church, east of intersection of SW 86th Avenue and SW 198th Street, 6 ft south of SW 198th Street, 2.2 mi east of US 1 and the Florida Turnpike.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 62 ft, cased to 56 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 8.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

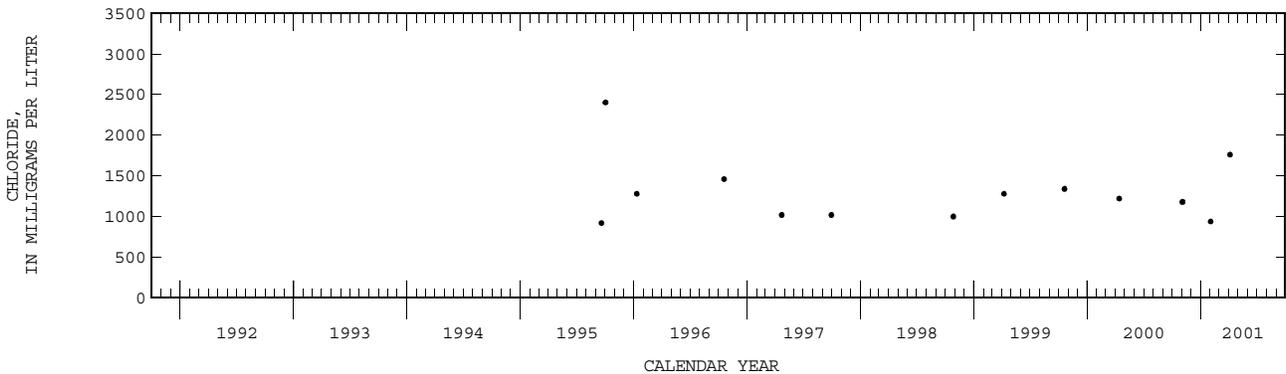
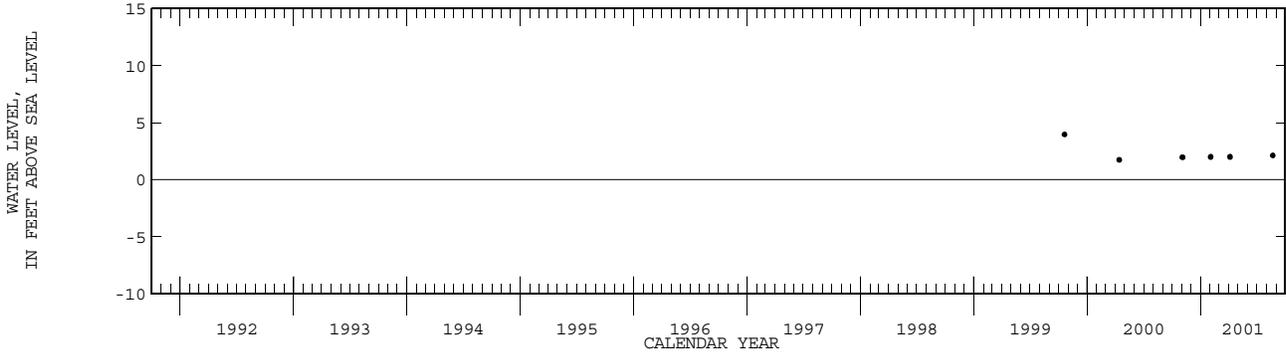
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Salinity monitoring began September 1995. Water-level measurements began October 1999.

PERIOD OF RECORD.--September 1995 to current year. See REMARKS.

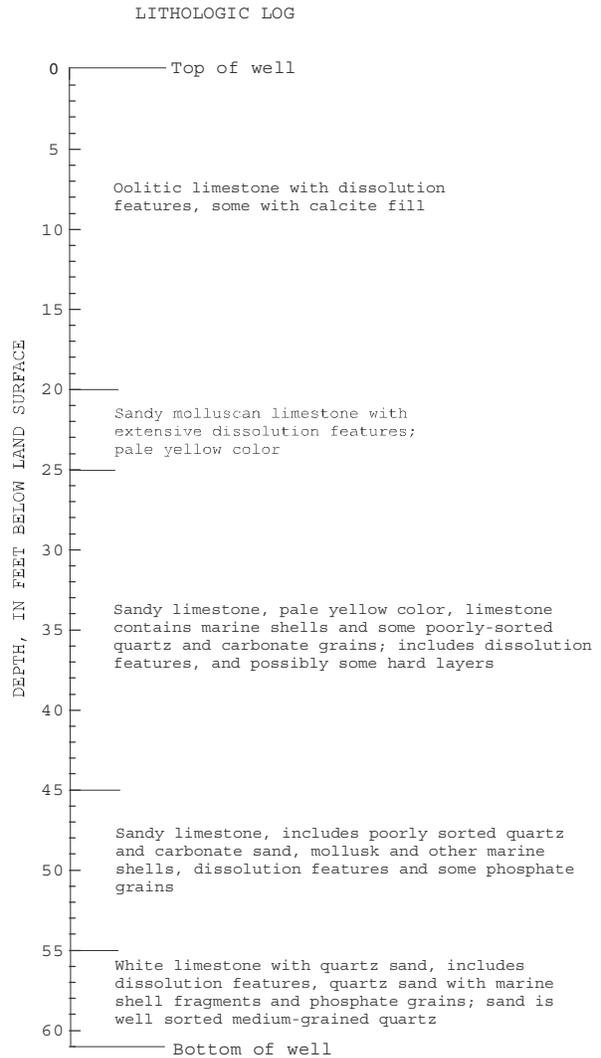
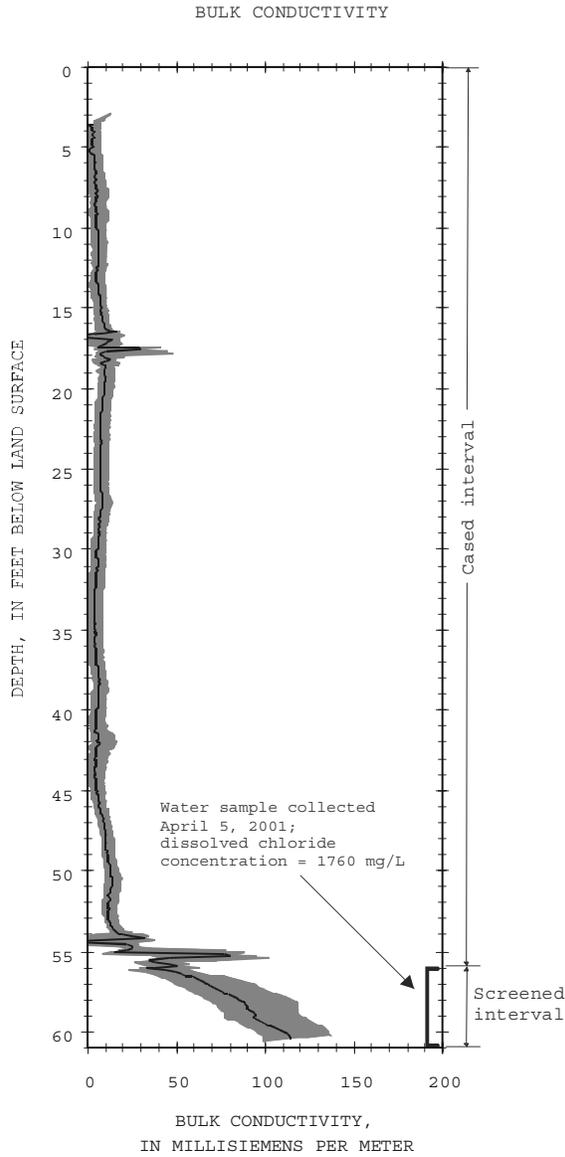
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.97 ft NGVD, Oct. 20, 1999; lowest, 1.75 ft NGVD, Apr. 13, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 03...	0918	3320	1180	1.97	APR 05...	1135	4970	1760	2.01
FEB 02...	1113	3010	940	2.01	AUG 21...	0946	--	--	2.13



WELL NUMBER.--253457080195501. Local Number G 3612. USGS Observation Well near Cutler Ridge, FL.



EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 5, 2001

■ Shaded area represents range in conductivity logs collected annually from January 12, 1996 to April 13, 2000

[ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253537080284401. Local Number G 757A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°35'37", long 80°28'44", in NE ¼ NE ¼ sec.1, T.56 S., R.38 E., Hydrologic Unit 03090202, at southwest corner of Eureka Drive and SR 997 (Krome Avenue), 8.7 mi north of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 9.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.50 ft above land-surface datum.

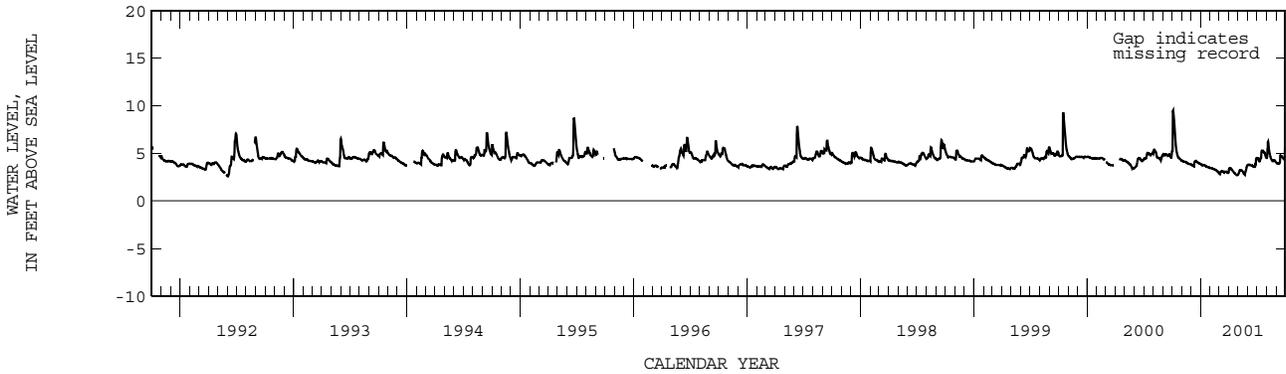
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.60 ft NGVD, Sept. 10, 1960; lowest, 0.02 ft NGVD, May 13, 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.17	4.17	3.76	3.82	3.45	2.96	3.45	3.15	3.82	4.45	6.18	3.92
10	6.71	4.12	3.72	3.80	3.37	3.15	3.31	3.26	3.75	4.11	5.12	3.97
15	5.16	4.06	4.23	3.72	3.30	3.08	3.14	3.12	3.72	5.14	4.51	4.79
20	4.59	3.97	4.10	3.61	3.24	3.08	2.96	2.86	3.63	5.31	4.26	4.67
25	4.43	3.89	4.02	3.57	3.09	3.06	2.76	3.11	3.76	5.09	4.31	4.43
EOM	4.28	3.85	3.91	3.45	2.97	3.00	2.76	3.77	4.52	4.54	4.06	5.75
MAX	9.51	4.25	4.23	3.85	3.45	3.15	3.45	3.77	4.52	5.32	6.23	5.75



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253539080320501. Local Number G 3628. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°35'39", long 80°32'05", SE ¼ SE ¼ sec.33, T.55 S., R.38 E. Hydrologic Unit 03090202, located 3.7 mi on first road west of SW 205th Avenue off of SW 168th Street, 0.7 mi west of pump station S-331. The station is located 0.5 mi west of the L-31 levee, 20 ft north of the red gate in the citrus orchard by the curve in the road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 12 ft.

INSTRUMENTATION.--Satellite data collection platform.

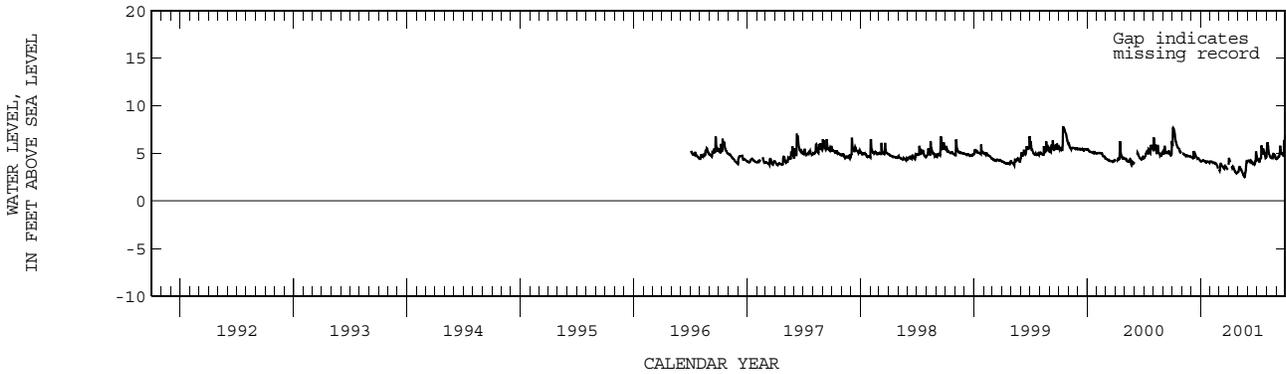
DATUM.--Land-surface datum is 6.99 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.52 ft above land-surface datum.

PERIOD OF RECORD.--July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.85 ft NGVD, Oct. 15, 1999; lowest, 2.52 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.65	4.97	4.55	4.22	4.18	3.88	4.08	3.58	4.26	4.31	5.78	4.50
10	6.67	4.88	5.17	4.26	4.06	3.76	3.67	3.33	4.15	4.25	4.89	4.69
15	5.89	4.77	4.84	4.16	3.93	3.49	3.62	2.98	3.97	5.84	4.58	5.30
20	5.61	4.73	4.54	4.15	3.86	3.72	3.16	2.64	3.94	5.45	4.54	4.99
25	5.18	4.71	4.45	4.12	3.47	3.50	2.92	3.02	4.10	4.98	4.73	4.76
EOM	5.06	4.65	4.22	4.15	---	3.80	3.03	4.21	4.72	4.57	4.48	6.59
MAX	7.72	5.01	5.17	4.30	4.18	3.93	4.52	4.24	5.21	5.84	6.19	6.88



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253549080214101. Local Number S 182A. USGS Observation Well near Peters, FL.

LOCATION.--Lat 25°35'49", long 80°21'41", in NW ¼ NW ¼ sec.5, T.56 S., R.40 E., Hydrologic Unit 03090202, on SW 185th Terrace west of SW 104th Avenue, 0.1 mi north of Quail Roost Drive, 0.4 mi west of US 1, and 16.4 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 51 ft.

REVISED RECORDS.--WDR FL-84-2B:1983

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 11.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.33 ft above land-surface datum. Prior to May 23, 2000, the top of base was 2.48 ft above land-surface datum. See REMARKS.

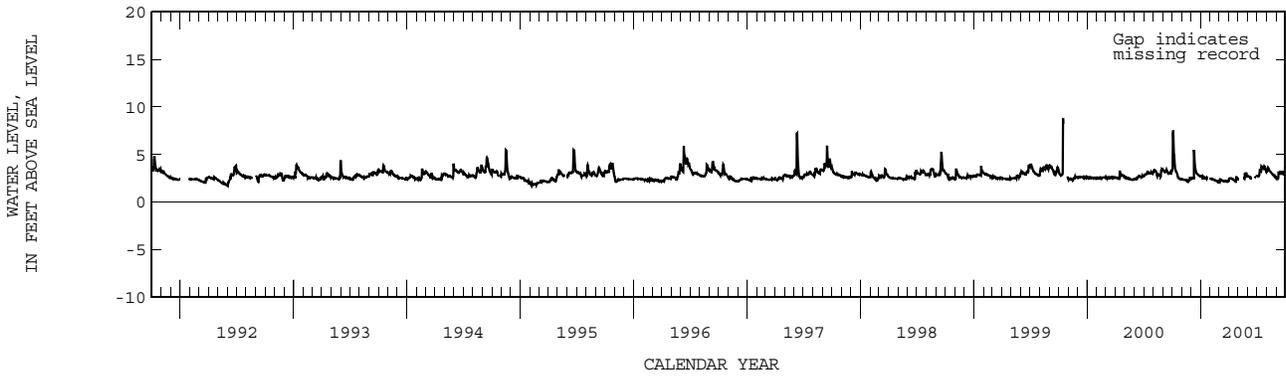
REMARKS.--Records of water levels prior to January 1957 are available in files of the Geological Survey. The well was damaged in February 2000, reconstructed on May 23, 2000. See DATUM.

PERIOD OF RECORD.--January 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.70 ft NGVD, Sept. 10, 1960; lowest, 0.44 ft below NGVD, June 21, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.03	2.38	2.50	2.63	2.44	2.40	2.51	---	2.68	2.72	3.54	2.46
10	3.54	2.34	5.49	2.55	2.38	2.28	2.49	---	2.62	3.40	3.38	3.08
15	3.15	2.28	3.42	2.57	2.31	2.21	2.40	---	---	3.79	3.14	3.03
20	2.54	2.22	2.98	2.54	2.23	2.23	2.24	2.53	---	3.51	2.94	3.12
25	2.47	2.32	2.86	---	2.18	2.18	2.72	2.85	2.61	3.73	2.79	3.28
EOM	2.42	2.57	2.70	2.48	2.15	2.22	2.47	2.76	2.78	3.16	2.62	3.75
MAX	7.52	2.57	5.49	2.72	2.48	2.40	2.72	3.11	2.78	3.79	3.65	3.75



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253632080321101. Local Number G 3627. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°36'32", long 80°30'11", SE ¼ SE ¼ sec.26 T.55 S., R.38 E., Hydrologic Unit 03090202, located on the southwest corner of SW 168th Street and SW 192nd Avenue, 1.5 mi west of SR 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 12 ft.

INSTRUMENTATION.--Satellite data collection platform.

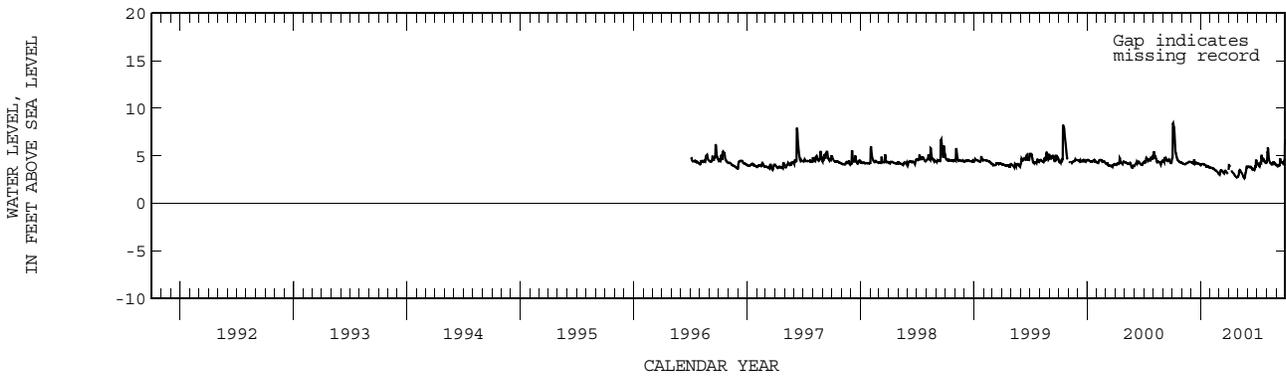
DATUM.--Land-surface datum is 7.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.05 ft above land-surface datum.

PERIOD OF RECORD.--July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.27 ft NGVD, Oct. 15, 1999; lowest, 2.65 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.26	4.18	4.26	4.15	3.76	3.39	3.82	3.50	3.88	4.10	5.88	4.04
10	6.03	4.14	4.50	4.13	3.66	3.45	3.50	3.34	3.79	4.04	4.48	3.96
15	4.87	4.22	4.24	4.03	3.53	3.23	3.20	3.05	3.64	5.04	4.18	4.49
20	4.48	4.26	4.23	3.93	3.43	3.46	2.99	2.75	3.58	4.58	4.17	4.35
25	4.37	4.38	4.21	3.89	3.24	3.30	2.77	3.17	3.75	4.47	4.26	4.18
EOM	4.26	4.34	4.06	3.79	3.13	3.53	2.81	3.87	4.42	4.28	4.06	6.20
MAX	8.45	4.39	4.64	4.16	3.77	3.53	4.06	3.90	4.53	5.04	5.88	6.76



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253708080304201. Local Number G 3626. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°37'08", long 80°32'42", SE ¼ NW ¼ sec. 27 T.55 S., R.38 E., Hydrologic Unit 03090202, located 20 ft east of SW 197th Avenue, 1.3 mi south of Howard Drive (SW 136th Street), 2.1 mi west of SR 997 (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 10 in., depth 12 ft.

INSTRUMENTATION.--Satellite data collection platform.

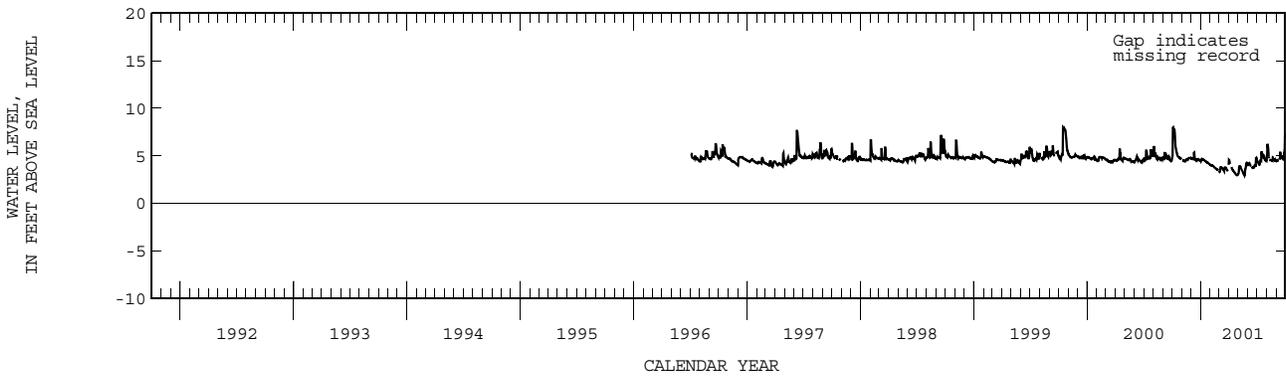
DATUM.--Land-surface datum is 7.25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.49 ft above land-surface datum.

PERIOD OF RECORD.--July 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.03 ft NGVD, Oct. 15, 1999; lowest, 2.96 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.88	4.53	4.71	4.67	4.01	3.73	4.17	3.93	4.23	4.29	6.03	4.52
10	6.83	4.47	5.31	4.58	3.92	3.75	3.81	3.73	4.02	4.18	---	---
15	5.34	4.60	4.57	4.46	3.76	3.52	3.47	3.39	3.85	5.39	4.56	5.15
20	4.92	4.63	4.61	4.32	3.61	3.79	3.25	3.07	3.80	4.77	4.53	4.82
25	4.81	4.78	4.63	4.27	3.52	3.61	3.02	3.65	4.01	4.69	4.66	4.62
EOM	4.64	4.79	4.51	4.09	3.43	4.07	3.01	4.15	4.67	4.49	4.48	6.84
MAX	7.99	4.80	5.37	4.68	4.05	4.07	4.59	4.30	4.80	5.39	6.25	7.34



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253710080184701. Local Number G 3611. USGS Observation Well near Cutler, FL.

LOCATION.--Lat 25°37'10", long 80°18'47", in SW ¼ NE ¼ SW ¼ sec.26, T.55 S., R.40 E., Hydrologic Unit 03090202, adjacent to Deering Estate, 6 ft east of SW 74th Avenue, 40 ft north of SW 163rd Street, 0.1 mi west of Old Cutler Road, 2 mi east of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 100 ft, cased to 95 ft, screened 95 to 100 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 6.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum. Prior to March, 2000, land-surface datum was estimated 9 ft above NGVD from a topographic map.

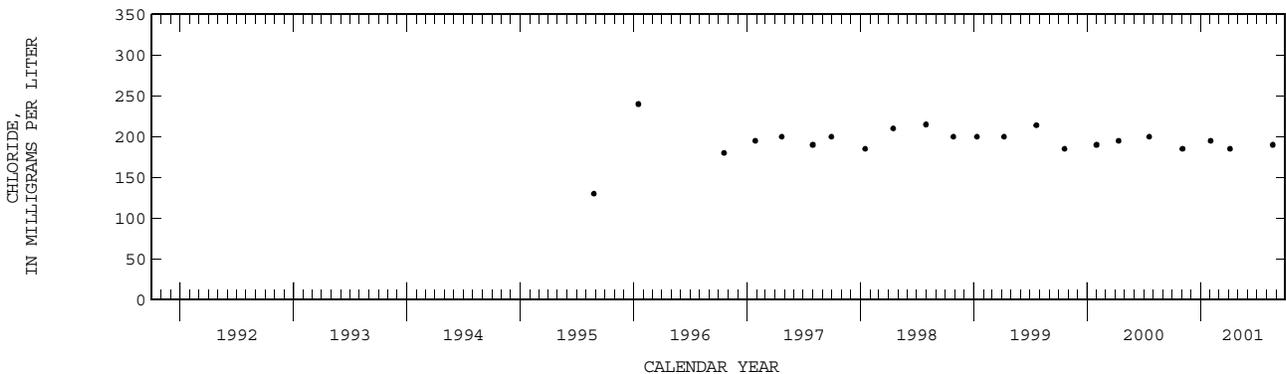
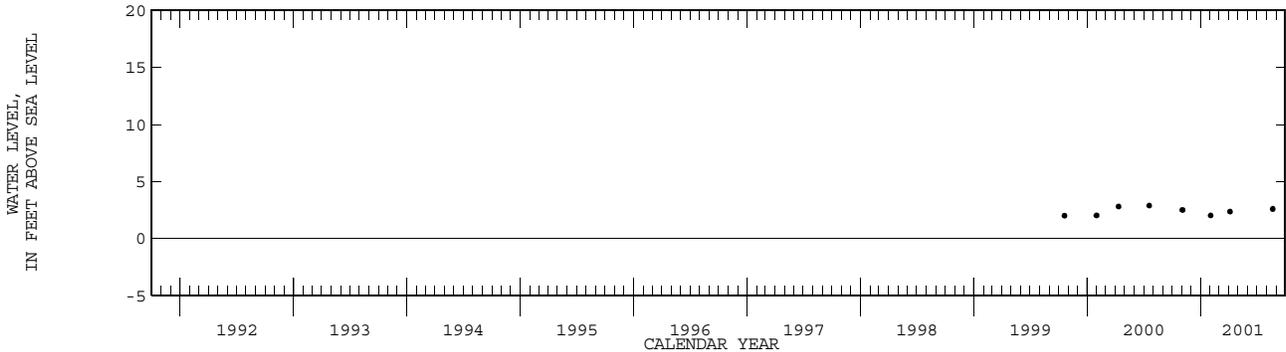
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Salinity monitoring began August 1995. Water-level measurements began in October 1999.

PERIOD OF RECORD.--August 1995 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.87 ft NGVD, July 19, 2000; lowest, 1.99 ft NGVD, Oct. 20, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 03...	0932	899	185	2.49	APR 05...	1243	950	185	2.34
FEB 02...	1028	833	195	2.00	AUG 21...	1005	1050	190	2.58

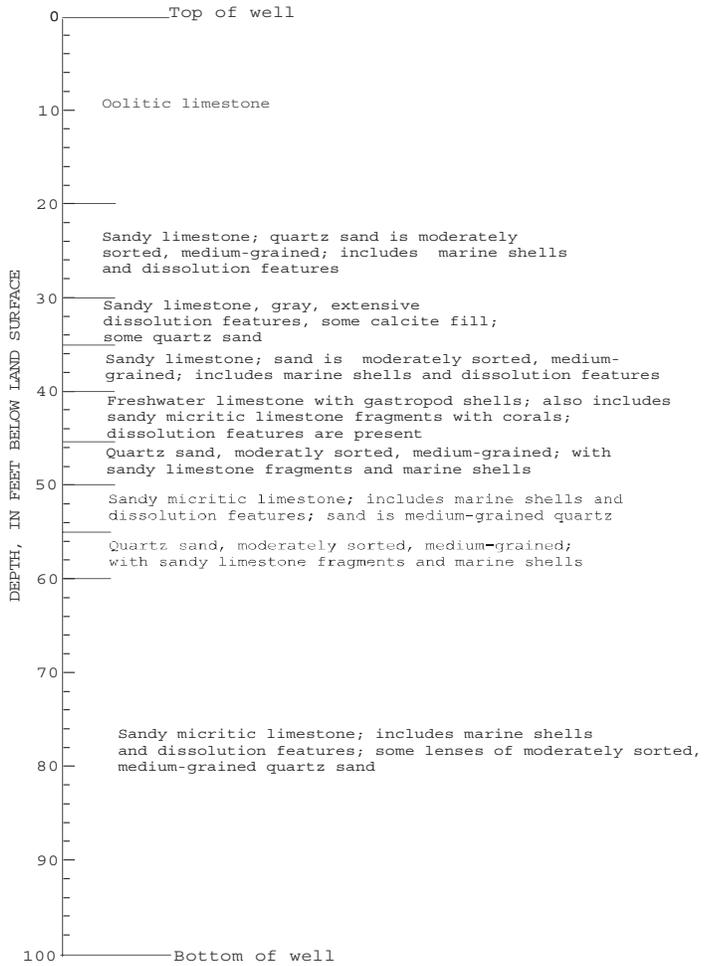
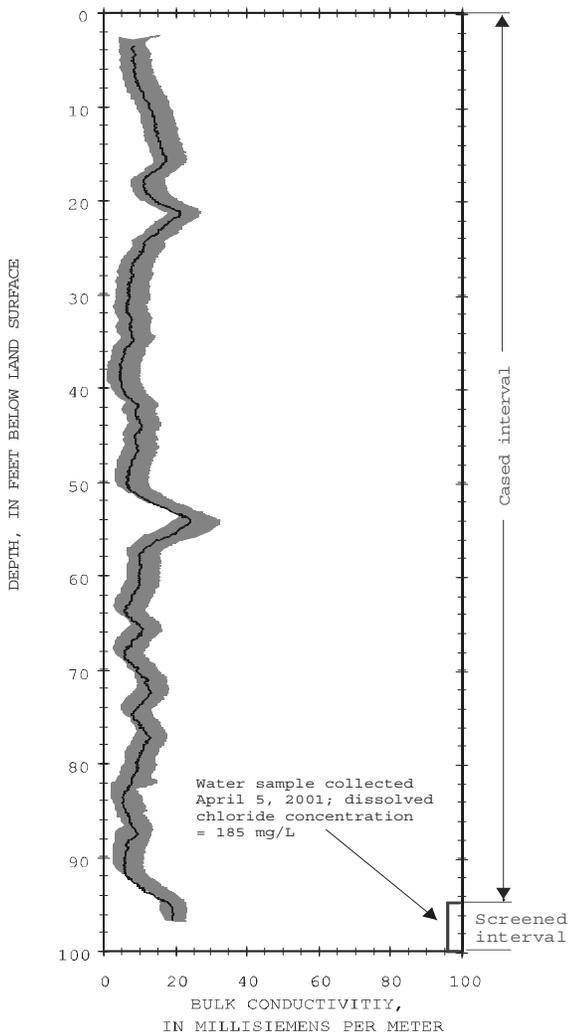


MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253710080184701. Local Number G 3611. USGS Observation Well near Cutler, FL.

BULK CONDUCTIVITY

LITHOLOGIC LOG



EXPLANATION

- Bulk conductivity in millisiemens per meter April 5, 2001
- Shaded area represents range in bulk conductivity logs collected annually from January 9, 1996 to April 11, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253718080192301. Local Number G 860. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°37'18", long 80°19'23", in SW ¼ NE ¼ sec.27, T.55 S., R.40 E., Hydrologic Unit 03090202, at Kahn Road and SW 160th Street, 1.2 mi east of US 1, 1.7 mi northeast of Perrine, and 13 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 10.5 ft.

INSTRUMENTATION.-- Electronic data logger.

DATUM.--Land-surface datum is 10.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.53 ft above land-surface datum.

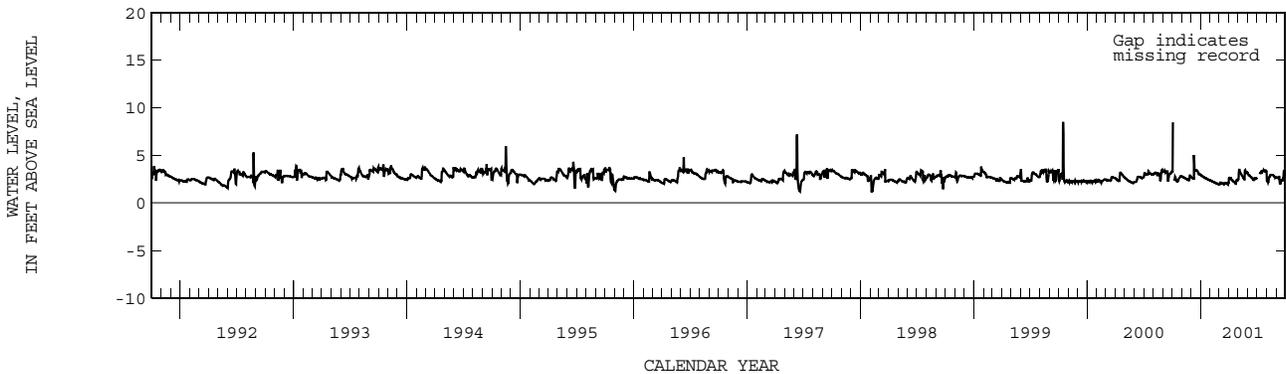
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.45 ft NGVD, Sept. 23, 1960; lowest, 0.38 ft NGVD, May 22, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.72	2.61	2.84	2.31	2.17	2.62	3.49	2.94	---	2.25	2.66
10	2.78	2.63	5.02	2.72	2.23	2.10	2.48	3.08	2.77	3.06	2.80	2.75
15	2.29	2.54	3.41	2.62	2.15	2.02	2.31	2.82	2.64	3.39	2.97	2.27
20	2.35	2.46	3.42	2.55	2.07	2.13	2.14	2.56	2.44	3.47	2.96	2.35
25	2.68	2.52	3.01	2.47	2.00	2.04	2.33	3.28	2.59	3.32	2.78	3.27
EOM	2.81	2.80	2.98	2.39	1.98	2.11	2.38	3.16	2.67	3.37	2.72	2.80
MAX	8.48	2.90	5.02	2.94	2.37	2.17	2.65	3.49	3.16	3.47	2.97	3.46



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253831080180206. Local Number G 3313E. USGS Observation Well near Pinecrest, FL.

LOCATION.--Lat 25°38'31", long 80°18'02", in NW ¼ NW ¼ NW ¼ sec.24, T.55 S., R.40 E., Hydrologic Unit 03090202, at USDA Agricultural Station, 50 ft east of fence along SW 67th Avenue, 75 ft north of intersection of SW 67th Avenue and SW 138th Terrace, 2.1 mi east of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, test, water-table well, diameter 8.25 in. to 32 ft, depth 114 ft, cased to 32 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 12.70 ft above National Geodetic Vertical Datum of 1929; prior to March, 2000 land-surface datum was estimated 12 ft NGVD, from topographic map. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is logged annually using an induction probe. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

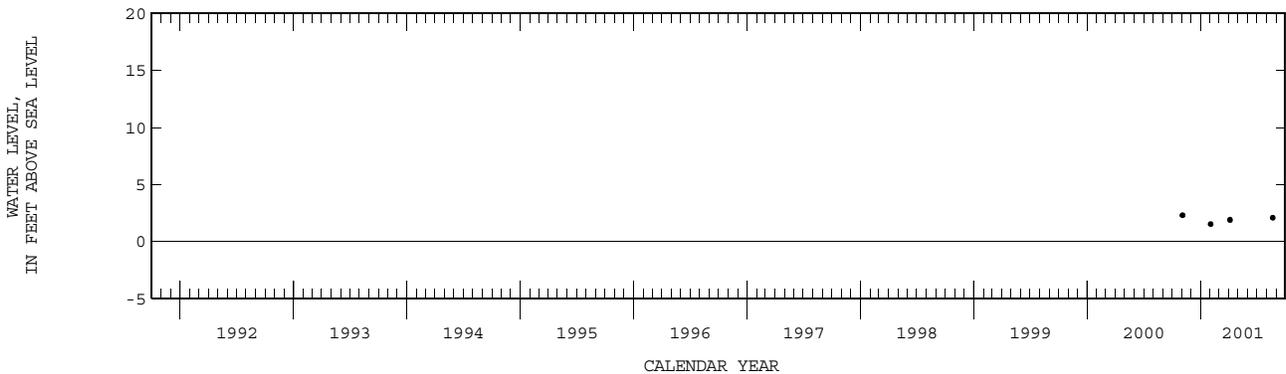
PERIOD OF RECORD.--November 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.28 ft NGVD, Nov. 3, 2000; lowest, 1.51 ft NGVD, Feb. 2, 2001.

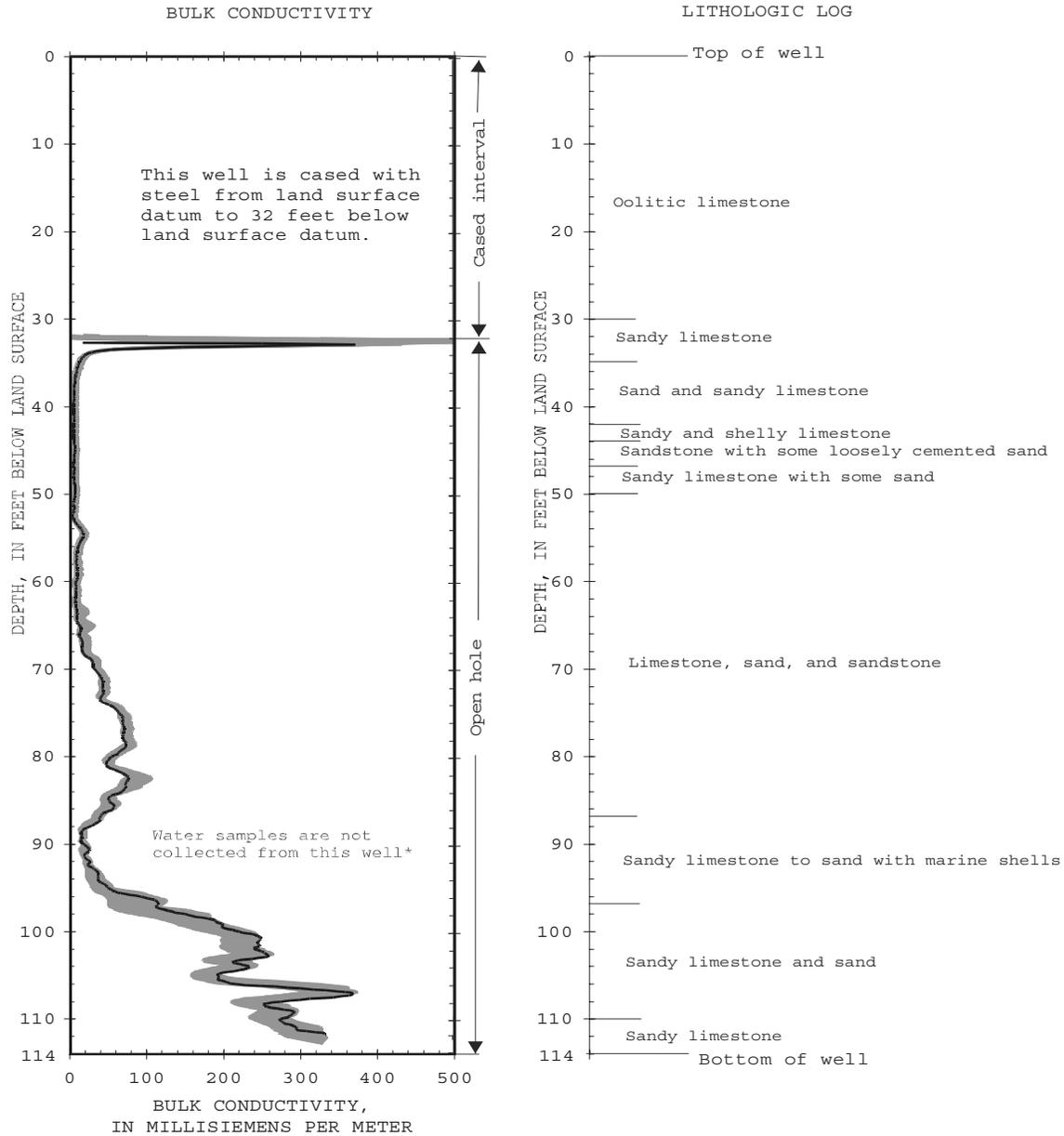
REVISIONS.--Bulk conductivity figures published for the 2000 water year are incorrect. Corrected figures are in the files of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 03...	1043	2.28	APR 05...	1359	1.88
FEB 02...	1051	1.51	AUG 21...	1034	2.07



WELL NUMBER.--253831080180206. Local Number G 3313E. USGS Observation Well near Pinecrest, FL.



EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 13, 2000

Shaded area represents range in bulk conductivity logs collected annually from June 19, 1995 to April 9, 1999

\* A water sample was collected from G-3313C, which is about 40 feet from this well. The sample collected from G-3313C on April 13, 2000 had a dissolved chloride concentration of 4300 mg/L

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253902080202501. Local Number G 553. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°39'02", long 80°20'19", in NE ¼ SE ¼ sec.16, T.55 S., R.40 E., Hydrologic Unit 03090202, on the south side of SW 128th Street, 0.5 mi west of US 1, 2.5 mi south of SW 88th Street, and 13 mi southwest of Miami. (Corrected).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 24 to 18 in., depth 91 ft, cased to 79 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 12.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.76 ft above land-surface datum. See REMARKS. Prior to November 23, 1999, measuring point was top of base, 0.39 ft above land-surface datum.

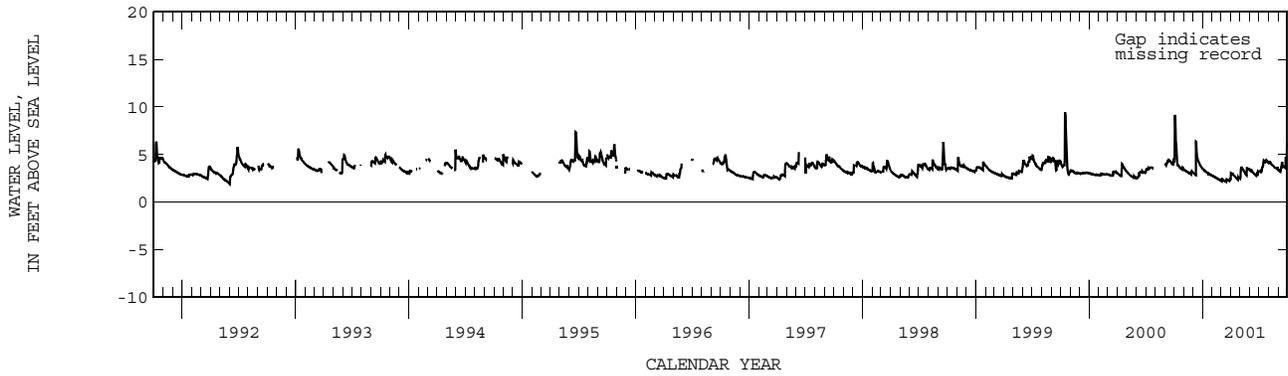
REMARKS.--Records of water levels prior to January 1957 are available in files of the Geological Survey. Station was reconstructed on November 23, 1999.

PERIOD OF RECORD.--January 1947 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.06 ft NGVD, Oct. 5, 1948; lowest, 0.81 ft NGVD, May 14, 15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.69	3.34	2.94	3.37	2.70	2.45	2.98	3.65	3.47	3.21	4.23	3.28
10	4.31	3.23	6.37	3.22	2.61	2.29	2.85	3.46	3.19	3.38	3.99	3.67
15	3.83	3.12	4.59	3.08	2.52	2.19	2.68	3.17	2.99	4.22	3.84	3.83
20	3.59	3.03	4.16	2.97	2.42	2.35	2.48	2.90	2.81	4.18	3.65	3.71
25	3.47	3.22	3.84	2.90	2.32	2.26	2.65	3.51	2.90	4.40	3.60	4.71
EOM	3.44	3.10	3.54	2.79	2.27	2.43	2.50	3.44	3.22	4.11	3.48	5.89
MAX	9.18	3.43	6.37	3.50	2.77	2.46	3.02	3.65	3.47	4.44	4.27	6.19



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253937080304001. Local Number G 596. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°38'16", long 80°30'44", in SW ¼ SW ¼ sec.14, T.55 S., R.38 E., Hydrologic Unit 03090202, on SW 197th Avenue, 70 ft north of Howard Drive, 2 mi west of SR 997 (Krome Avenue), and 15.5 mi north of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 16 ft, cased to 16 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 7.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.48 ft above land-surface datum. Prior to October 1, 1978, land-surface datum was considered to be 7.70 ft NGVD. See REMARKS. The total measuring point was considered to be 10.59 ft above NGVD from October 1, 1978 to November 21, 1986. New well was drilled on November 21, 1986.

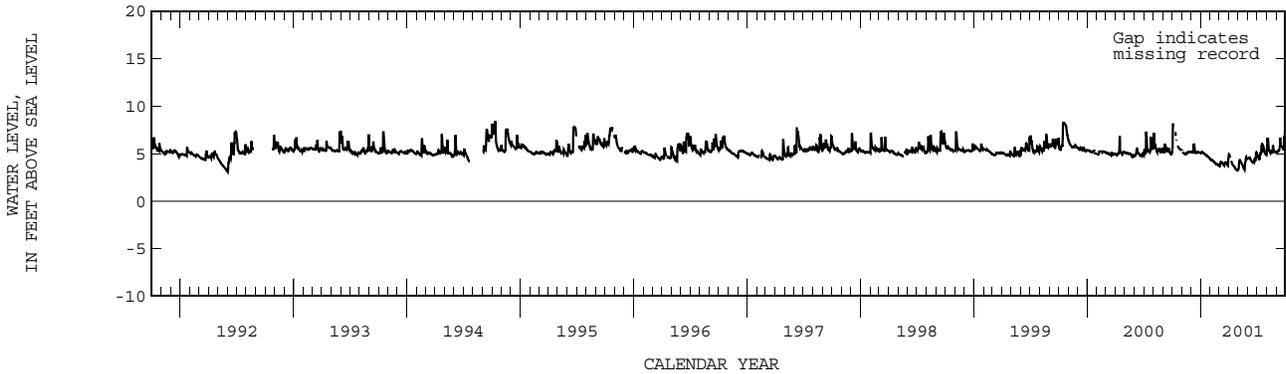
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1978 are in error. Corrected records are in files of the Geological Survey. See DATUM. Records of water levels prior to January 1957 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.37 ft NGVD, Oct. 12, 1994; lowest, 0.56 ft NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.02	5.13	5.16	5.20	4.31	4.05	4.57	4.31	4.58	4.65	6.66	5.32
10	---	4.99	6.00	5.07	4.25	4.08	4.17	4.13	4.38	4.53	5.30	5.43
15	---	5.07	5.12	4.93	4.09	3.85	3.77	3.78	4.15	5.80	5.28	6.08
20	5.73	5.09	5.15	4.77	3.92	4.08	3.57	3.43	4.11	5.27	5.12	5.71
25	5.53	5.22	5.17	4.67	3.85	3.93	3.35	4.15	4.40	5.16	5.29	5.38
EOM	5.31	5.22	5.09	4.48	3.77	4.66	3.25	4.65	5.04	4.87	5.14	7.42
MAX	8.10	5.22	6.00	5.20	4.42	4.66	4.95	4.71	5.14	6.13	6.66	7.54



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253952080321501. Local Number G 3272. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°40'00", long 80°34'20", in NW ¼ NE ¼ sec.9, T.55 S., R.38E., Hydrologic Unit 03090202, on north side of SW 105th Street, 0.5 mi west of SW 207th Avenue, 18 mi north of Homestead.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 10 ft, cased to 7.5 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 6.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.60 ft above land-surface datum. Prior to April 23, 2000, the top of base was 2.57 ft above land-surface datum. See REMARKS.

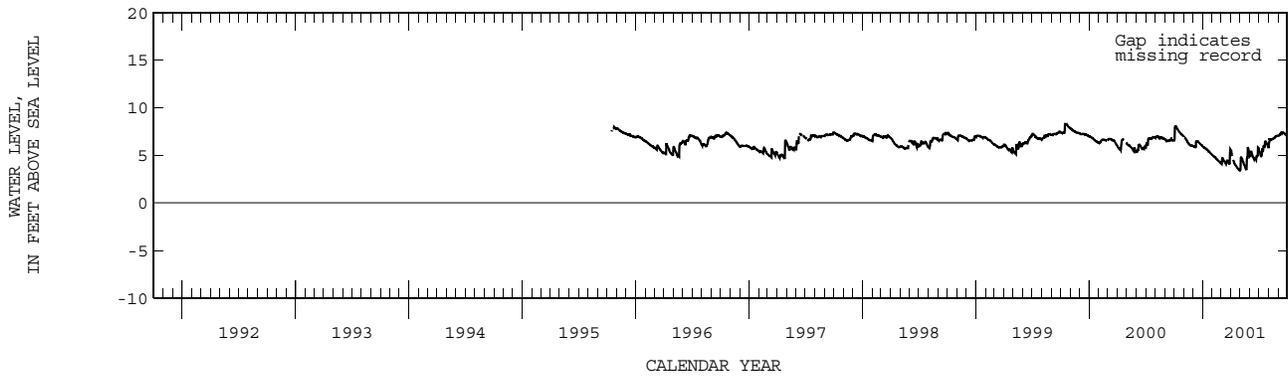
REMARKS.--Satellite data collection platform since October 13, 1996. Station reconstructed April 23, 2000.

PERIOD OF RECORD.--June 1983 to February 1985, October 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.42 ft NGVD, Oct. 15, 1999; lowest, 3.42 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.03	6.84	5.93	5.84	4.92	4.74	4.94	4.80	5.42	5.16	6.67	7.18
10	7.89	6.62	6.40	5.72	4.79	4.47	4.46	4.36	4.95	5.11	6.70	7.38
15	7.59	6.30	6.51	5.59	4.62	4.21	4.06	3.95	4.61	5.94	6.78	7.42
20	7.38	6.12	6.35	5.42	4.42	4.45	3.83	3.59	4.65	6.41	6.85	7.35
25	7.20	6.03	6.18	5.28	4.28	4.27	3.61	4.65	4.98	6.34	7.04	7.17
EOM	7.00	6.00	6.00	5.07	4.20	5.60	3.42	4.97	5.69	5.78	7.08	7.58
MAX	8.10	6.90	6.52	5.95	5.04	5.67	5.52	5.86	5.85	6.46	7.08	7.58



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254000080181002. Local Number G 580A. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'00", long 80°18'10", in SE ¼ NE ¼ sec.11, T.55 S., R.40 E., Hydrologic Unit 03090202, at northwest corner of Ludlam Road and Killian Drive, 1.2 mi east of US 1, and 10.5 mi southwest of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 4 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 9.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.50 ft above land-surface datum.

REMARKS.--G-580A (254000080181002) replaced the 100 ft deep, 6 in. diameter well G-580 (254000080181001) in September 1960.

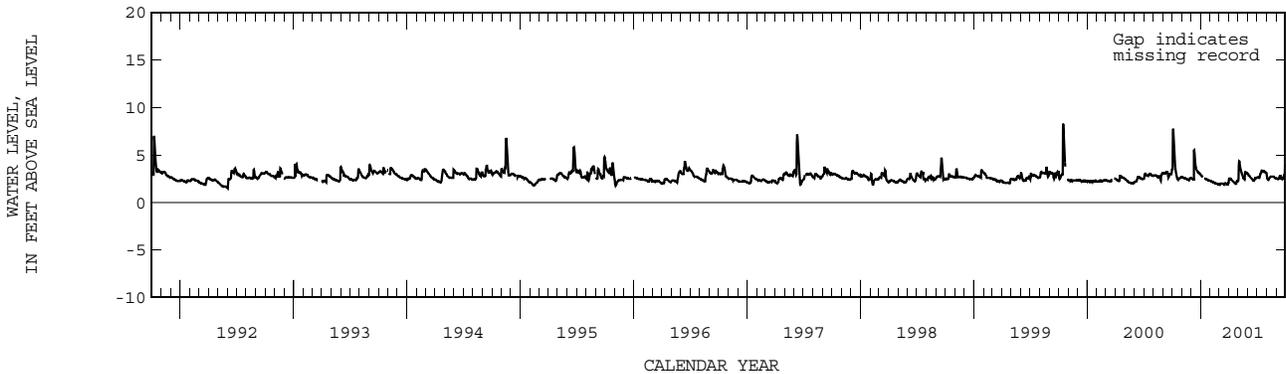
G-580 was destroyed on June 12, 1960. The data for G-580A has been published under the site ID of G-580 until water year 1995, and under both the site ID and local name G-580 for the water years 1993 and 1994.

PERIOD OF RECORD.--September 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.34 ft, Sept. 23, 1960; lowest, 0.58 ft NGVD, May 10, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.00	2.62	2.46	2.75	2.21	1.99	2.53	4.32	2.84	2.67	2.46	2.50
10	3.83	2.56	5.48	--	2.15	1.99	2.40	3.32	2.65	2.76	2.57	2.62
15	2.76	2.51	3.93	2.50	2.06	1.93	2.25	2.83	2.46	3.35	2.73	2.79
20	2.37	2.42	3.36	2.46	2.01	2.02	2.06	2.51	2.31	3.31	2.74	2.52
25	2.56	2.41	3.16	2.34	1.94	1.95	2.01	3.22	2.53	3.28	2.66	2.65
EOM	2.70	2.59	2.97	2.31	1.91	2.10	2.25	3.10	2.60	3.12	2.56	4.08
MAX	7.75	2.70	5.51	2.92	2.29	2.10	2.55	4.33	3.05	3.37	2.85	4.08



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254000080460001. Local Number G 620. USGS Observation Well in Everglades National Park, FL.

LOCATION.--Lat 25°40'00", long 80°46'00", in NW ¼ NE ¼ sec.30, T.55 S., R.36 E., Hydrologic Unit 03090202, at look-out tower in Everglades National Park, 6.5 mi south of US 41, and 18.9 mi southwest of the intersection of US 41 and SR 997.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 16 ft, cased to 6 ft.

INSTRUMENTATION.-- Satellite data collection platform.

DATUM.--Land-surface datum is 6.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.03 ft above land-surface datum.

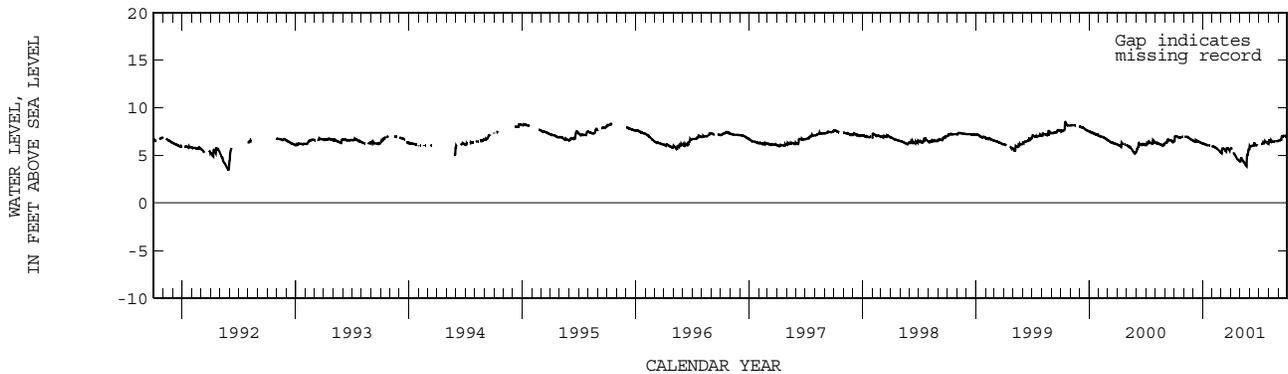
REMARKS.--Records of water levels prior to January 1957 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1950 to September 1980, November 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.51 ft NGVD, Oct. 16, 1999; minimum water level recorded, 1.86 ft NGVD, May 30, 1965.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.06	6.97	6.47	6.22	5.94	5.74	5.65	4.72	5.99	---	6.57	6.59
10	7.01	6.98	6.60	6.15	5.85	5.69	5.34	4.45	6.03	6.21	6.59	6.66
15	6.89	6.90	6.53	6.09	5.72	5.50	5.06	4.20	6.39	6.40	6.45	7.00
20	6.91	6.77	6.43	6.07	5.57	5.78	4.77	3.93	6.11	6.51	---	7.09
25	6.96	6.65	6.37	6.06	5.41	5.70	4.53	5.09	6.05	6.42	6.52	7.00
EOM	6.97	6.59	6.27	6.00	5.32	5.74	4.37	5.67	---	6.25	6.52	7.41
MAX	7.06	6.98	6.60	6.27	5.98	5.78	5.77	5.67	6.39	6.51	6.66	7.41



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254005080171601. Local Number G 3609. USGS Observation Well near Pinecrest, FL.

LOCATION.--Lat 25°40'05", long 80°17'16", in SW ¼ SE ¼ NE ¼ sec.12, T.55 S., R. 40 E., Hydrologic Unit 03090202, at Parrot Jungle, 76 ft east of SW 59th Avenue and 6 ft south of SW 111th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 85 ft, cased to 80 ft, screened 80 to 85 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 14.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum. Prior to March, 2000, land-surface datum was estimated to be 15 ft above NGVD from a topographic map.

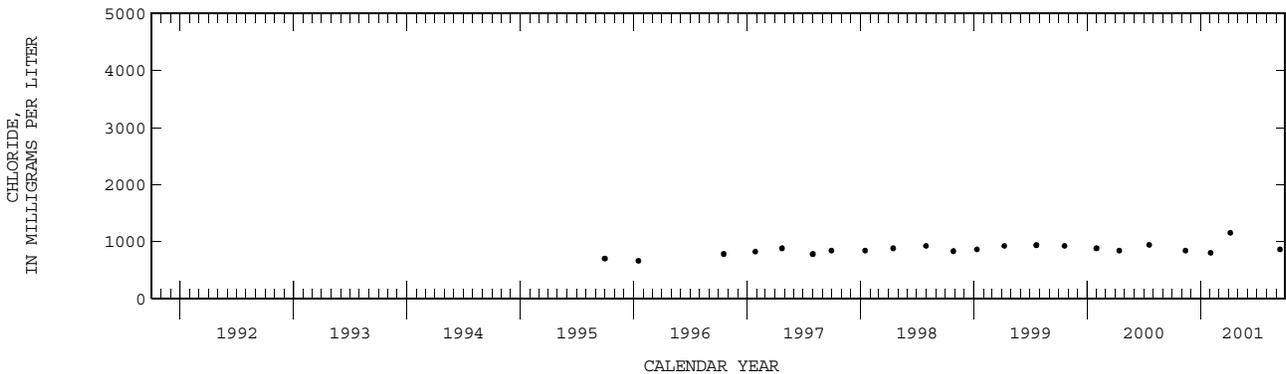
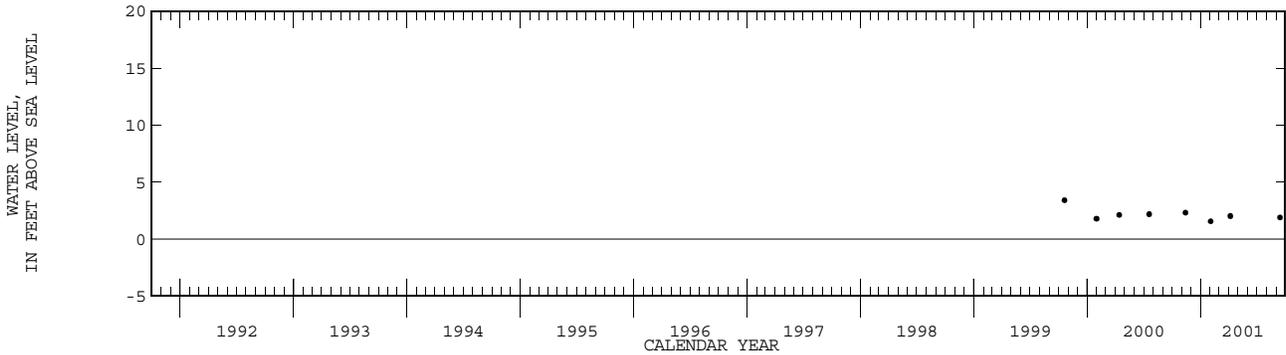
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Water-level measurements began October 1999.

PERIOD OF RECORD.--September 1995 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.42 ft NGVD, Oct. 20, 1999; lowest, 1.57 ft NGVD, Feb. 2, 2001.

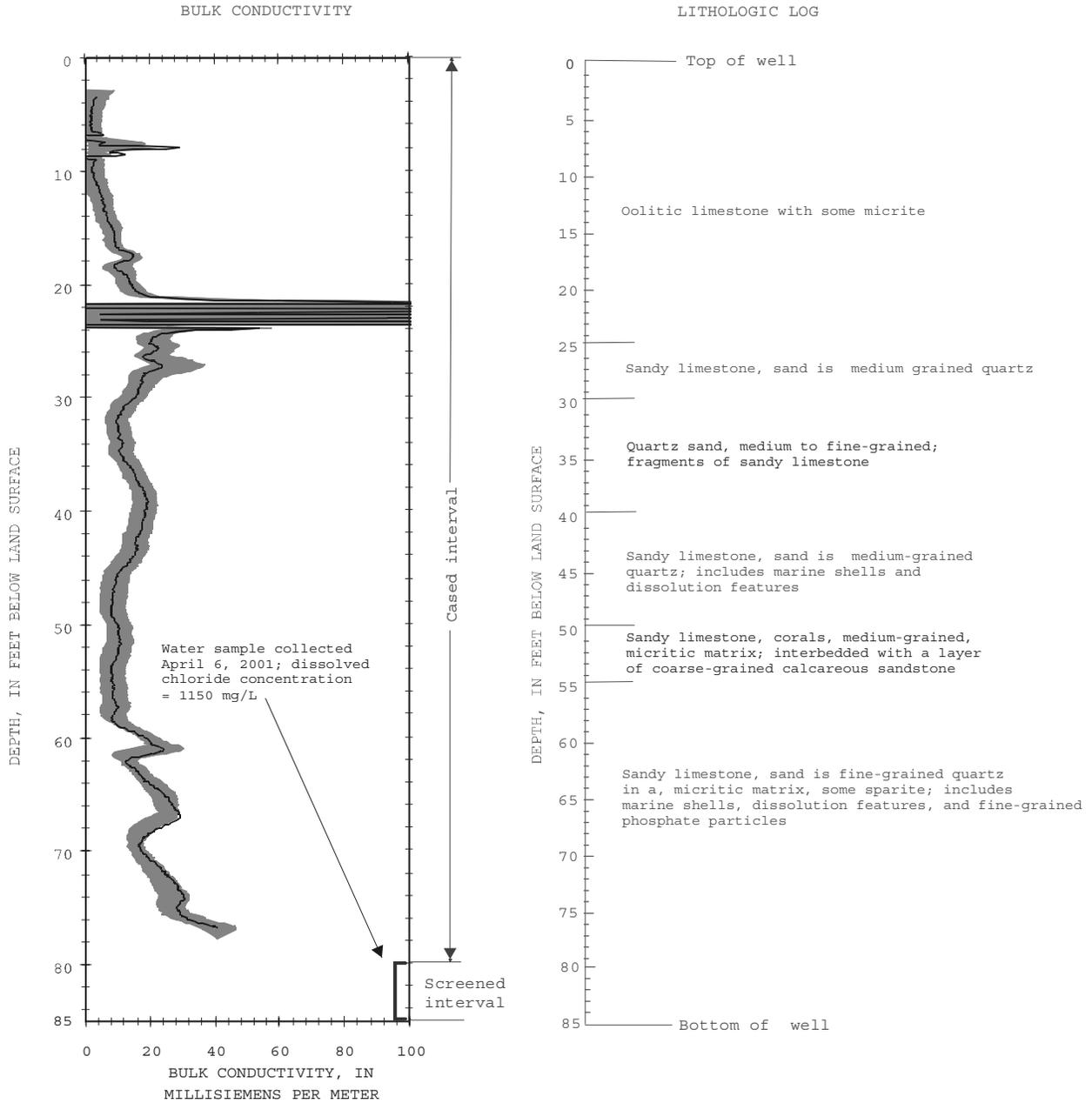
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 13...	0935	2630	840	2.33	APR 06...	1042	3060	1150	2.03
FEB 02...	1148	2670	800	1.57	SEP 13...	0901	2850	860	1.90



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254005080171601. Local Number G 3609. USGS Observation Well near Pinecrest, FL.



EXPLANATION

- Bulk conductivity in millisiemens per meter April 6, 2001
- Shaded area represents range in bulk conductivity logs collected annually from January 1, 1996 to April 13, 2001
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254022080263601. Local Number G 3561. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'22", long 80°26'36", in NW ¼ SE ¼ SW ¼ sec.4, T.55 S., R.39 E., Hydrologic Unit 03090202, in the northeast corner of the Metro-Dade Hammocks fire station, on Hammocks Boulevard, 0.2 mi north of SW 104th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19 ft, cased to 14 ft, screened 14 to 19 ft.

INSTRUMENTATION.--Electronic data logger.

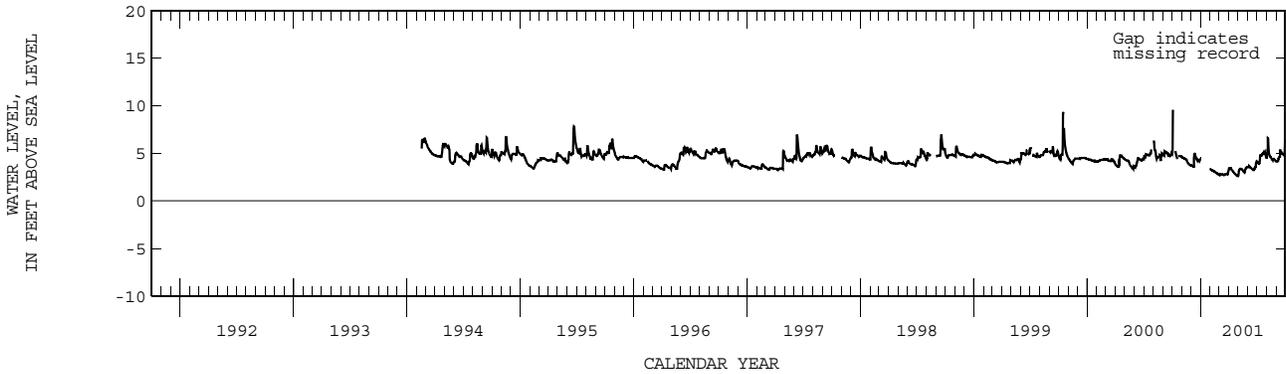
DATUM.--Land-surface datum is 10.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--February 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.58 ft NGVD, Oct. 3, 2000; lowest, 2.64 ft NGVD, Apr. 30, and May 1, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	4.54	3.69	---	3.26	2.83	3.46	3.32	3.71	4.02	6.62	4.19
10	---	4.46	4.46	---	3.17	2.82	3.32	3.39	3.51	4.27	4.90	4.65
15	4.65	4.37	4.69	---	3.07	2.76	3.13	3.26	3.37	4.83	4.60	5.03
20	4.73	4.03	4.33	---	2.95	2.83	2.91	3.06	3.25	4.92	4.35	5.10
25	4.75	3.83	4.24	---	2.84	2.84	2.72	3.32	3.66	5.06	4.42	4.83
EOM	4.65	3.75	4.42	3.37	2.79	3.15	2.64	3.57	4.15	4.47	4.18	6.17
MAX	9.58	4.63	4.98	4.42	3.35	3.15	3.47	3.57	4.15	5.16	6.62	6.43



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254038080280201. Local Number G 855. USGS Observation Well near Kendall, FL.

LOCATION.--Lat 25°40'38", long 80°28'02", in SE ¼ NE ¼ sec.6, T.55 S., R.39 E., Hydrologic Unit 03090202, 0.75 mi east of SR 997 (Krome Avenue), 0.4 mi south of Kendall Drive, and 9.2 mi west of Kendall.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

REVISED RECORDS.--See REMARKS.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 7.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.77 ft above land-surface datum. Prior to July 1999, top of base was 1.55 ft above land-surface datum. Prior to July 29, 1993, top of base was 1.62 ft above land-surface datum. Prior to August 1986, top of base was 2.98 ft above land-surface datum. Prior to November 1979, top of base was considered to be 3.00 ft above land-surface datum. See REMARKS.

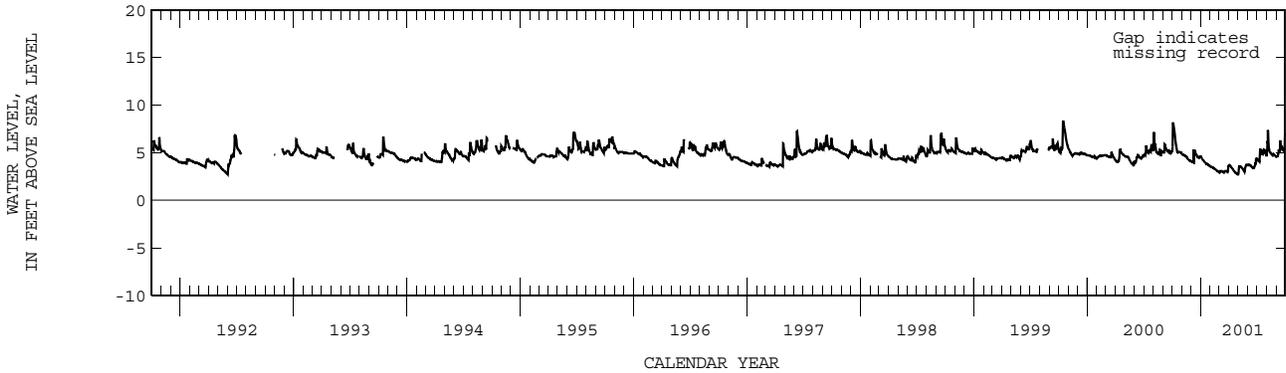
REMARKS.--The published figures of water levels as elevation, in feet NGVD, for October 1969 to November 1979 are in error. Previous corrections published prior to water year 2001 are in error. Well was reconstructed August 1986, July 29, 1993 and July 1999. Pre-1979 measuring point elevation was based on December 1968 survey. Corrected records are in the files of the Geological Survey.

PERIOD OF RECORD.--January 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.37 ft NGVD, Oct. 15, 1999; lowest, 0.52 ft NGVD, present datum, May 14, 1971. (Corrected).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.91	4.80	4.05	4.40	3.50	3.08	3.68	3.59	3.78	4.20	7.37	4.63
10	6.62	4.71	5.21	4.15	3.42	3.07	3.49	3.53	3.65	4.67	5.24	5.26
15	5.39	4.63	5.00	3.96	3.30	2.97	3.25	3.35	3.49	5.06	4.97	5.76
20	5.11	4.38	4.67	3.85	3.16	3.09	3.02	3.12	3.39	5.04	4.75	5.52
25	5.08	4.21	4.50	3.77	3.06	3.08	2.85	3.48	3.79	5.20	4.83	5.22
EOM	4.93	4.12	4.62	3.61	3.00	3.63	2.73	3.74	4.38	4.64	4.61	6.79
MAX	8.13	4.90	5.23	4.61	3.56	3.63	3.73	3.76	4.40	5.44	7.37	7.15



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254054080295401. Local Number G 1487. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'54", long 80°29'54", in SE ¼ SE ¼ sec.35, T.54 S., R.38 E., Hydrologic Unit 03090202, west of levee on west side of L-31N canal, 5.1 mi south of US 41, 3.5 mi north of Howard Drive, and 1 mi west of SR 997 (Krome Avenue).  
 AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 9.0 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 6.51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.89 ft above land-surface datum. Prior to November 18, 1999 the measuring point was top of base, 1.97 ft above land-surface datum.

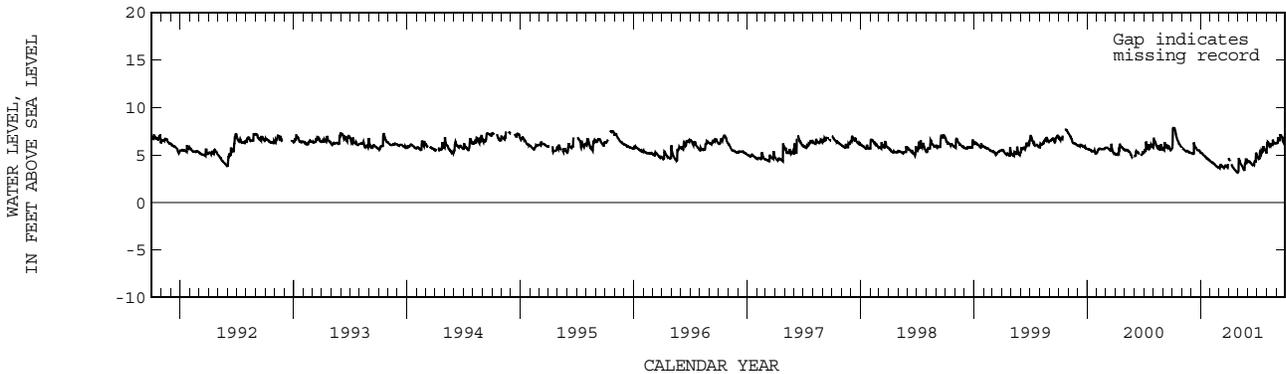
REMARKS.--The published figures of water levels as elevation, in feet NGVD, for August 13, 1999 to September 30, 1999 are in error. The corrected records are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--April 1970 to May 1976, June 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.67 ft NGVD, Oct. 15, 1999 (estimated from high water mark in shelter); lowest daily maximum water level, 1.59 ft NGVD, May 7, 8, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.87	5.65	5.16	5.19	4.24	3.97	4.34	4.40	4.36	4.69	6.37	6.27
10	7.55	5.51	6.31	5.00	4.17	3.85	4.05	4.08	4.20	5.21	6.17	6.75
15	6.83	5.43	5.85	4.83	4.01	3.67	3.71	3.77	3.99	5.49	6.06	7.02
20	6.38	5.41	5.59	4.66	3.82	3.89	3.47	3.47	3.97	5.93	6.05	6.86
25	6.08	5.27	5.53	4.55	3.75	3.78	3.29	4.10	4.33	5.57	6.29	6.27
EOM	5.82	5.22	5.29	4.39	3.69	4.67	3.17	4.29	5.01	5.25	6.23	7.29
MAX	7.87	5.72	6.31	5.27	4.35	4.67	4.56	4.67	5.24	5.93	6.61	7.29



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254107080165201. Local Number G 896. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'07", long 80°16'52", in NW ¼ SW ¼ NE ¼ sec.6, T.55 S., R.41 E., Hydrologic Unit 03090202, 3 ft south of rock wall, 0.25 mi west of SW 52nd Avenue (School House Road), 0.5 mi south of Kendall Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 74 ft, cased to 60 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.06 ft above land-surface datum.

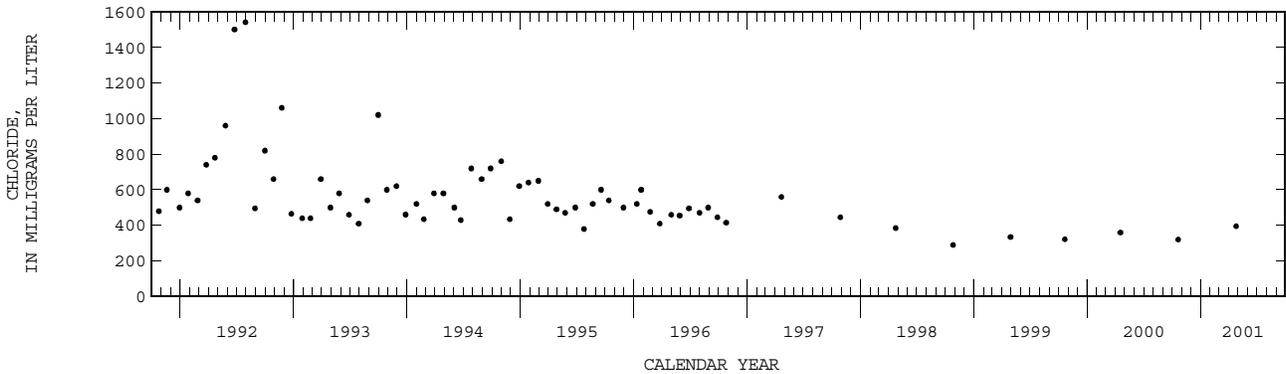
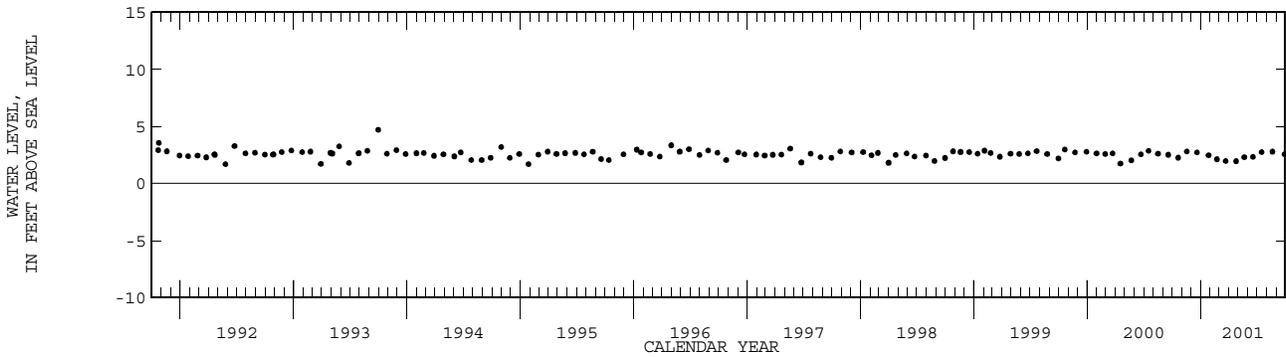
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--May 1978 to May 1990 (semiannual), August 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.71 ft NGVD, Sept. 30, 1993; lowest, 1.52 ft NGVD, Apr. 18, 1991.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 20...	1300	1430	320	2.26	APR 25...	1034	1620	395	1.95
NOV 17...	1200	--	--	2.80	MAY 21...	1348	--	--	2.30
DEC 20...	1425	--	--	2.72	JUN 18...	1243	--	--	2.32
JAN 26...	1241	--	--	2.46	JUL 16...	1342	--	--	2.75
FEB 22...	1339	--	--	2.12	AUG 20...	1357	--	--	2.79
MAR 22...	1321	--	--	1.96	SEP 28...	1312	--	--	2.56



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254108080170601 Local Number G 3608. USGS Observation Well near Kendall, FL.

LOCATION.--Lat 25°41'08", long 80°17'06", in NW ¼ SW ¼ NW ¼ sec.6, T.55 S., R.41 E., Hydrologic Unit 03090202, 16 ft east of SW 57th Avenue and 700 ft north of SW 94th Street, across the street from 9320 SW 57th Avenue, west of Snapper Creek.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.  
 WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 100 ft, cased to 95 ft, screened 95 to 100 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 10.95 ft above National Geodetic Vertical Datum of 1929. (Corrected). Measuring point: Top of casing at land-surface datum. Prior to March, 2000, land-surface datum was estimated 11 ft above NGVD from a topographic map.

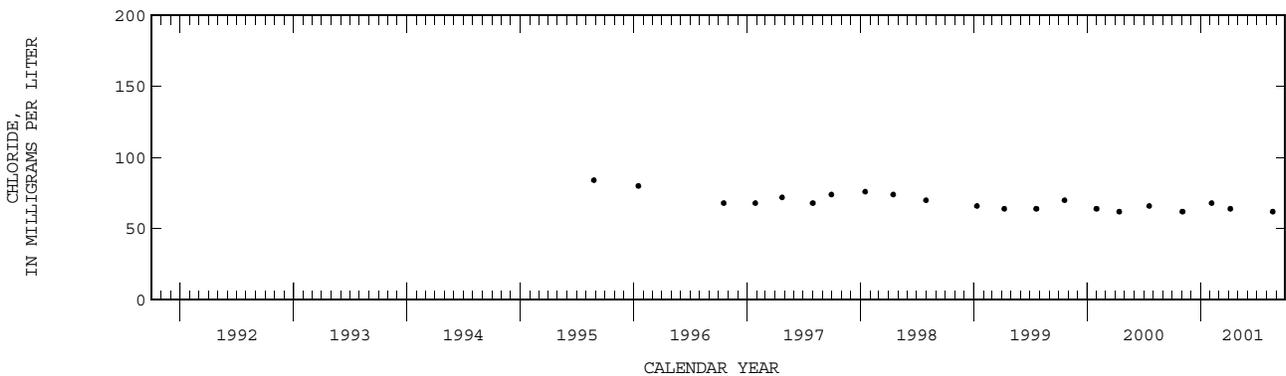
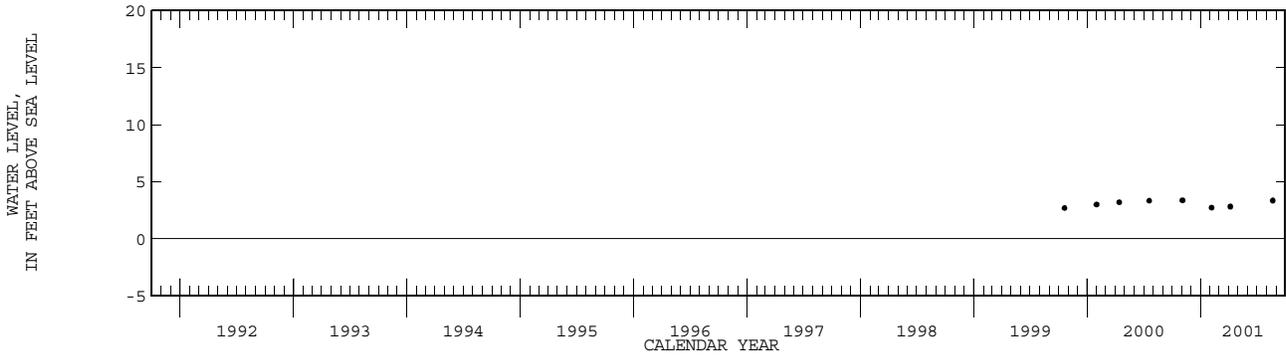
REMARKS.--Well is also used for quarterly salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Salinity measurements began in August 1995. Water-level measurements began in October 1999.

PERIOD OF RECORD.--August 1995 to current year. See REMARKS.

EXTREMES FOR PERIODS OF RECORD.--Highest water level measured, 3.37 ft NGVD, Nov. 3, 2000; lowest, 2.69 ft NGVD, Oct. 20, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

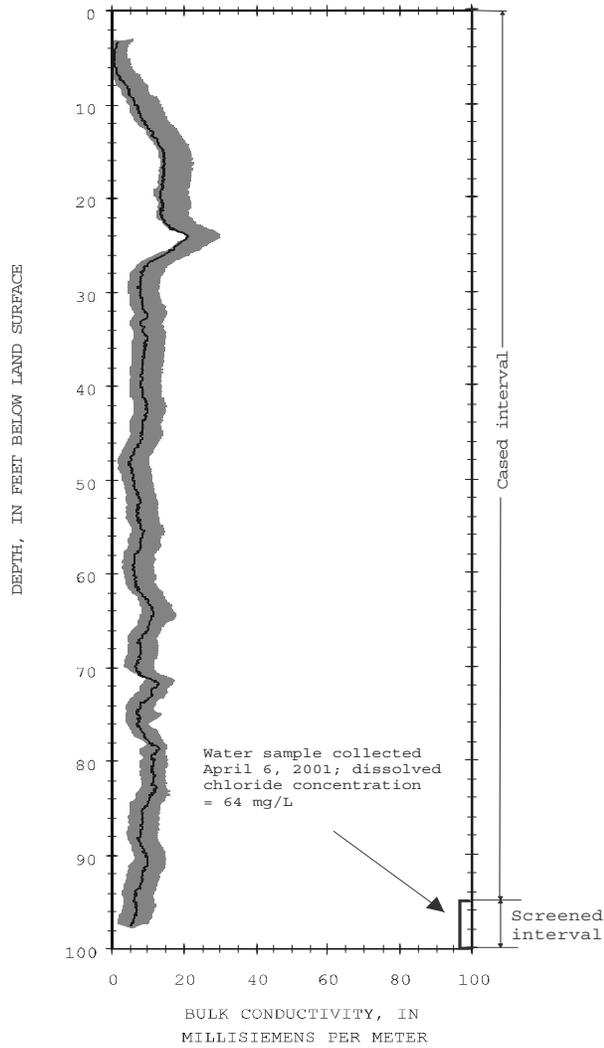
DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 03...	1227	490	62.0	3.37	APR 06...	0953	574	64.0	2.82
FEB 05...	0830	530	68.0	2.73	AUG 21...	1225	546	62.0	3.35



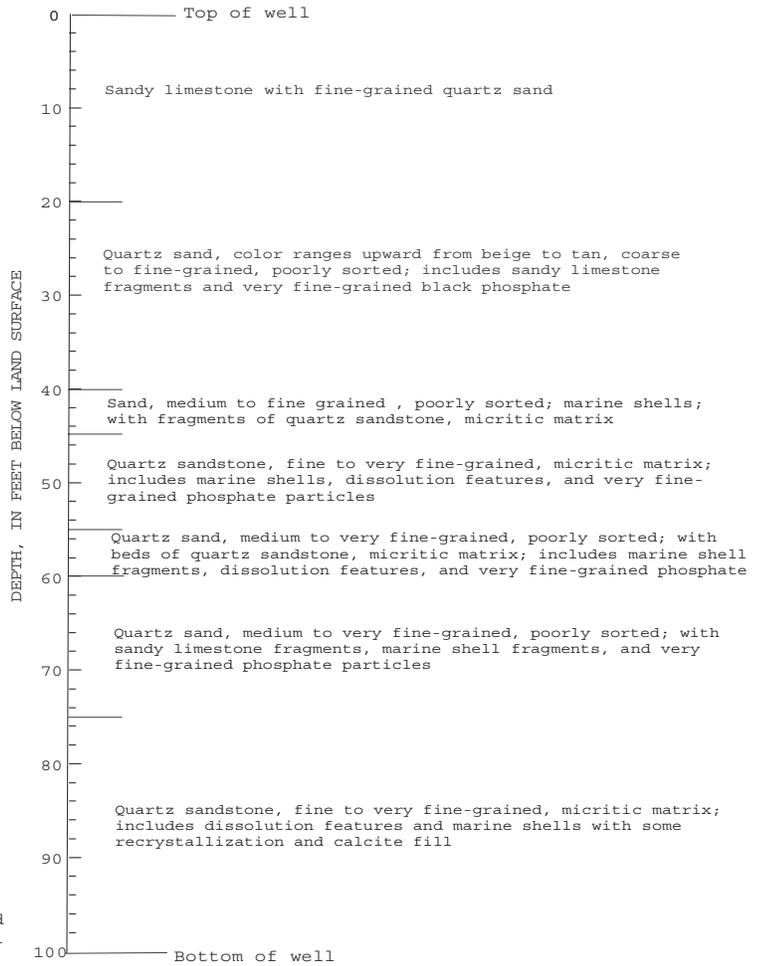
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254108080170601 Local Number G 3608. USGS Observation Well near Kendall, FL.

BULK CONDUCTIVITY



LITHOLOGIC LOG



EXPLANATION

- Bulk conductivity in millisiemens per meter April 6, 2001
- Shaded area represents range in bulk conductivity logs collected annually from January 9, 1996 to April 13, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254108080231301. Local Number G 3560. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'08", long 80°28'13", in NE ¼ SE ¼ SW ¼ sec.31, T.55 S., R.39 E., Hydrologic Unit 03090202, on the north side of SW 88th Street (Kendall Drive) about 0.75 mi west of SW 162nd Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.5 ft, cased to 14.5 ft, screened 14.5 to 19.5 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 7.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf 2.92 ft above land-surface datum. Prior to August 20, 1998, the measuring point was top of shelf, 3.34 ft above land-surface datum.

See REMARKS. The previously published measuring point 3.33 ft above land-surface datum is in error.

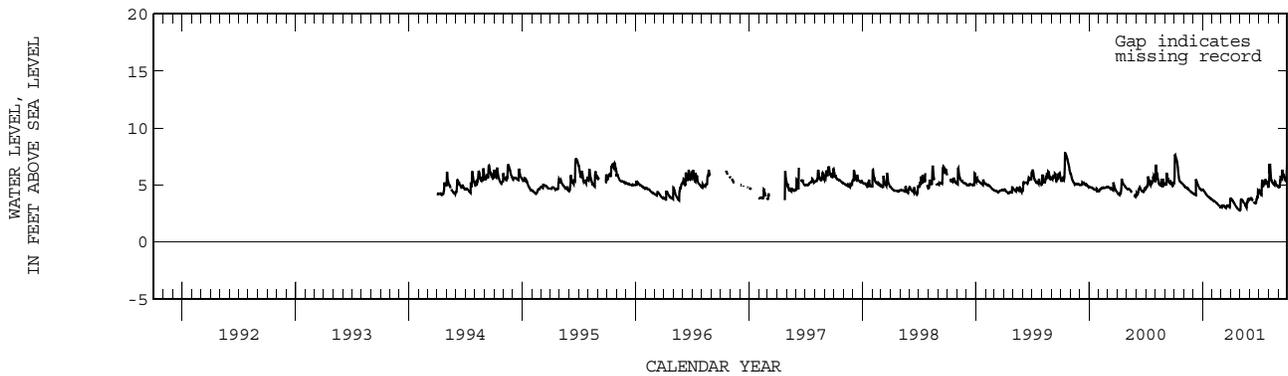
REMARKS.--The well was reconstructed on August 20, 1998. See DATUM.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.82 ft NGVD, Oct. 15, 16, 1999; lowest, 2.79 ft NGVD, Apr. 29, to May 1, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.52	4.87	4.20	4.48	3.61	3.22	3.73	3.74	3.86	4.28	6.79	4.83
10	7.01	4.77	5.51	4.26	3.53	3.17	3.53	3.56	3.69	4.96	5.41	5.61
15	5.77	4.66	5.15	4.06	3.41	3.04	3.31	3.39	3.51	5.11	5.18	6.06
20	5.31	4.51	4.82	3.95	3.24	3.21	3.06	3.14	3.43	5.05	4.98	5.73
25	5.18	4.38	4.63	3.84	3.16	3.16	2.88	3.51	3.89	5.23	5.07	5.38
EOM	5.01	4.27	4.63	3.72	3.10	3.84	2.79	3.78	4.49	4.77	4.84	6.78
MAX	7.65	4.98	5.51	4.62	3.69	3.84	3.83	3.80	4.56	5.49	6.79	6.82



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254111080272501. Local Number G 3555. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'11", long 80°27'25", in NW ¼ SE ¼ SW ¼ sec.32, T.54 S., R.39 E., Hydrologic Unit 03090202, at northwest corner of a lake near the northwest corner of SW 162nd Avenue and SW 88th Street (Kendall Drive).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19 ft, cased to 14 ft, screened 14 to 19 ft.

INSTRUMENTATION.--Electronic data logger.

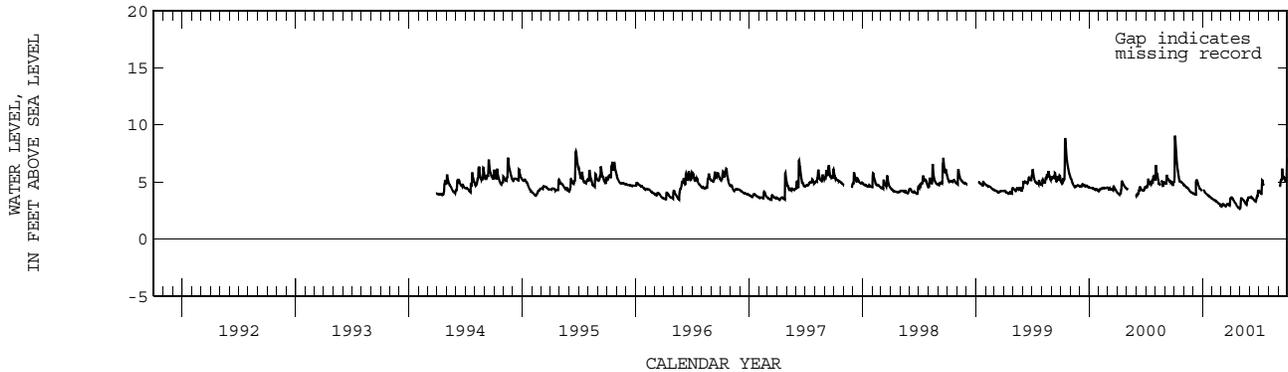
DATUM.--Land-surface datum is 8.25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.62 ft above land-surface datum.

PERIOD OF RECORD.--March 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.99 ft NGVD, Oct. 3, 4, 2000; lowest, 2.66 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.44	4.65	3.95	4.24	3.44	3.05	3.61	3.58	3.69	4.08	---	---
10	6.52	4.54	4.99	4.02	3.38	3.02	3.42	3.46	3.56	4.56	---	5.20
15	5.47	4.42	4.98	3.88	3.26	2.89	3.19	3.29	3.41	4.84	---	5.77
20	5.04	4.23	4.57	3.78	3.13	3.06	2.96	3.08	3.29	---	---	5.42
25	4.96	4.08	4.36	3.69	3.04	3.02	2.77	3.38	3.76	---	---	5.07
EOM	4.78	4.00	---	3.54	2.94	3.59	2.66	3.66	4.25	---	---	6.67
MAX	8.99	4.75	5.16	4.34	3.53	3.59	3.65	3.66	4.25	5.15	---	7.05



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254112080294201. Local Number G 3557. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'14", long 80°29'46", in NW ¼, sec.32, T.54 S., R.38 E., Hydrologic Unit 03090202, 5.2 mi south of Tamiami Trail (US 41) and 100 ft east of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.5 ft, cased to 14.5 ft, screened 14.5 to 19.5 ft.

INSTRUMENTATION.--Satellite data collection platform.

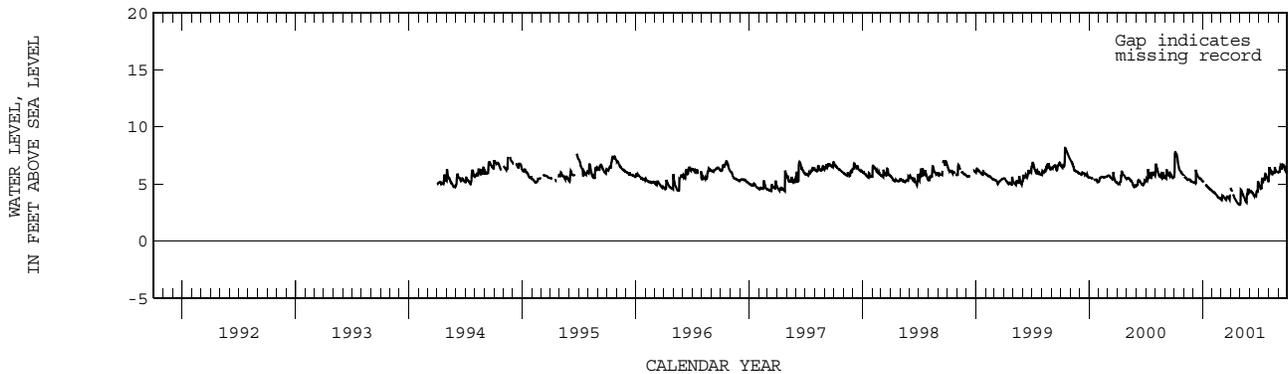
DATUM.--Land-surface datum is 6.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.40 ft above land-surface datum.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.17 ft NGVD, Oct. 15, 1999; lowest, 3.18 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.80	5.58	5.13	---	4.26	3.98	4.33	4.38	4.36	4.68	6.36	6.09
10	7.36	5.48	6.24	4.93	4.17	3.84	4.03	4.06	4.21	5.25	6.11	6.48
15	6.53	5.38	5.79	4.78	4.00	3.66	3.72	3.76	3.98	5.54	6.00	6.73
20	6.15	5.37	5.54	4.63	3.82	3.90	3.47	3.45	3.98	5.79	5.96	6.55
25	5.98	5.22	5.50	4.55	3.76	3.78	3.27	4.09	4.34	5.58	6.14	6.13
EOM	5.75	5.17	5.25	4.40	3.70	4.66	3.18	4.29	4.99	5.25	6.05	7.09
MAX	7.80	5.65	6.24	5.22	4.35	4.66	4.55	4.51	5.24	5.87	6.46	7.09



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254130080234501. Local Number G 551. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'30", long 80°23'45", in NW ¼ SW ¼ sec.36, T.54 S., R.39 E., Hydrologic Unit 03090202, on the east side of SW 125th Avenue, 0.6 mi south of Sunset Drive and 6.5 mi west of South Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 24 to 18 in., depth 80 ft, cased to 71 ft, slotted 29 to 71 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.08 ft above land-surface datum.

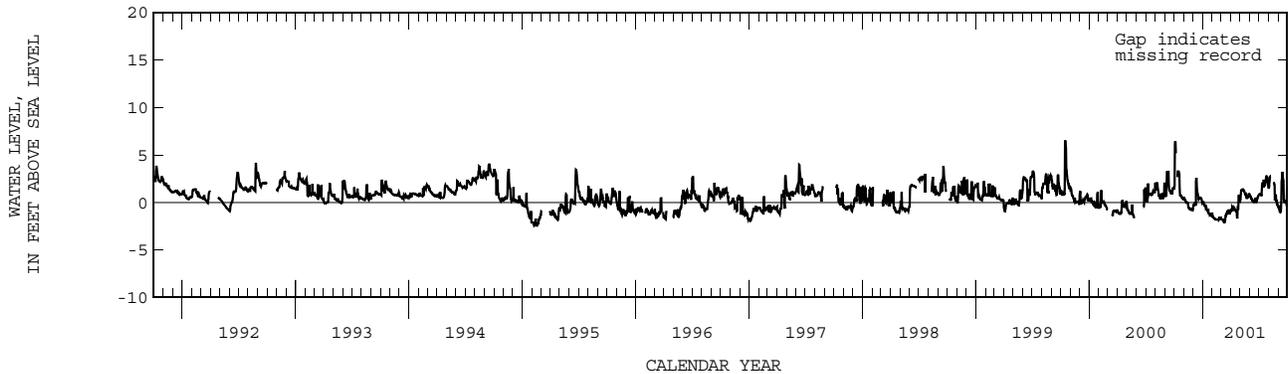
REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--December 1947 to April 1961, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.77 ft NGVD, Oct. 5, 1948; lowest, 2.49 ft below NGVD, Feb. 14, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.31	.23	-.22	-.28	-1.57	-1.80	-.44	1.32	.50	.88	2.59	-.90
10	---	.04	2.27	-.53	-1.73	-1.98	-.64	1.40	.16	1.43	---	.01
15	3.26	-.44	.97	-.87	-1.79	-1.43	-.76	1.02	.07	1.55	---	3.10
20	.79	-.67	.38	-1.11	-1.84	-1.01	-1.02	.73	.43	1.86	1.87	.09
25	.55	-.77	.47	-1.21	-1.63	-.81	-.63	.71	.34	2.77	.19	.13
EOM	.33	-.53	.03	-1.05	-1.67	-.89	.25	.91	.72	1.55	-.43	1.57
MAX	6.45	.32	2.49	.05	-1.32	-.81	.84	1.41	.73	2.77	2.73	3.19



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254138080284401. Local Number G 3552. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'38", long 80°28'44", in NW ¼ SW ¼ NW ¼ sec.31, T.54 S., R.39 E., Hydrologic Unit 03090202, 1,900 ft north of SW 88th Street (Kendall Drive) on west side of SW 177th Avenue (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.4 ft, cased to 14.4 ft, screened 14.4 to 19.4 ft.

INSTRUMENTATION.--Electronic data logger.

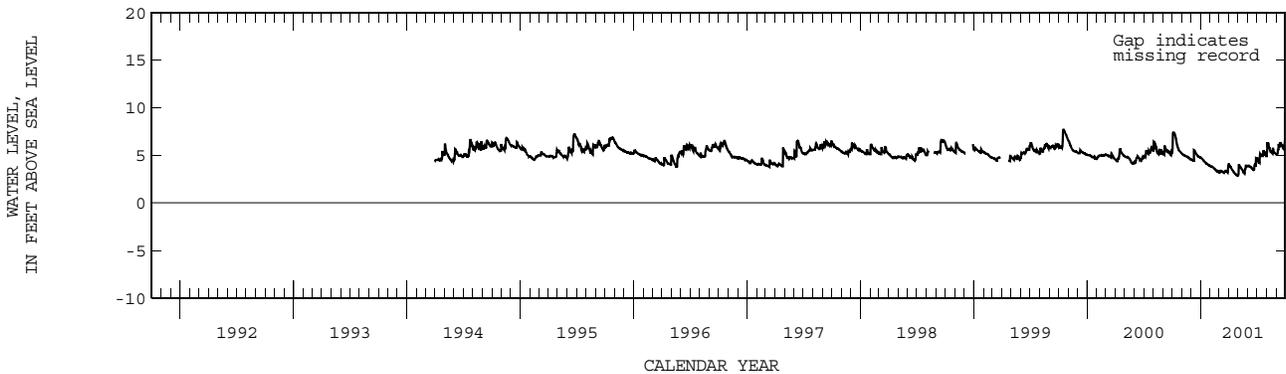
DATUM.--Land-surface datum is 7.41 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.73 ft NGVD, Oct. 17, 1999; lowest, 2.85 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.41	5.09	4.51	4.64	3.81	3.39	3.89	3.96	3.93	4.36	6.32	5.20
10	7.10	5.00	5.53	4.45	3.72	3.32	3.65	3.67	3.81	4.97	5.79	6.02
15	6.28	4.89	5.38	4.27	3.58	3.18	3.38	3.44	3.58	5.07	5.45	6.33
20	5.71	4.85	5.07	4.14	3.41	3.37	3.15	3.17	3.51	5.05	5.20	6.04
25	5.44	4.69	4.90	4.03	3.29	3.30	2.97	3.60	4.00	5.27	5.37	5.67
EOM	5.23	4.58	4.78	3.91	3.24	4.10	2.85	3.88	4.64	4.85	5.14	6.77
MAX	7.41	5.20	5.53	4.76	3.88	4.10	4.09	3.99	4.66	5.48	6.32	6.77



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254152080274501. Local Number G 3554. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'52", long 80°27'45", in NW ¼ NW ¼ NW ¼ sec.32, T.54 S., R.39 E., Hydrologic Unit 03090202, at southeast corner of SW 72nd Street (Sunset Drive) and SW 167th Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 20 ft, cased to 15 ft, screened 15 to 20 ft.

INSTRUMENTATION.--Electronic data logger.

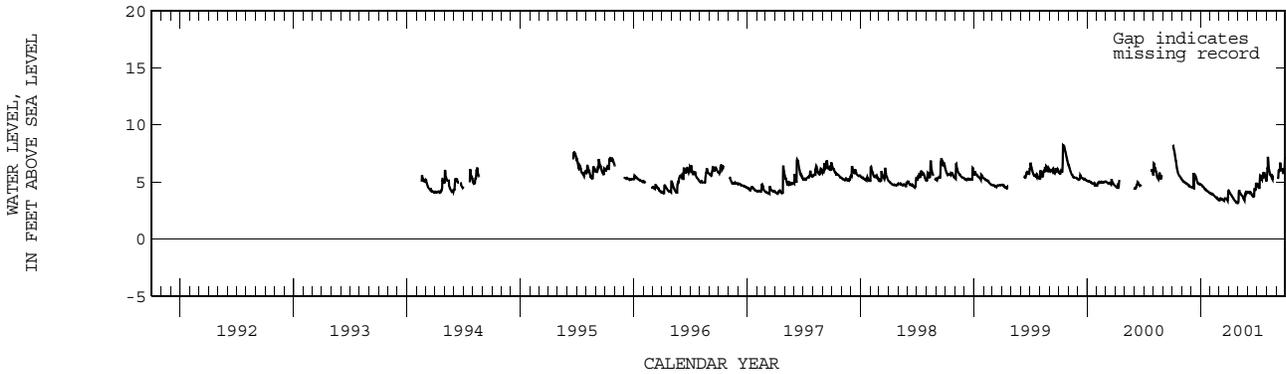
DATUM.--Land-surface datum is 7.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.24 ft above land-surface datum.

PERIOD OF RECORD.--February 1994 to September 1994, June 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.25 ft NGVD, Oct. 3, 2000; lowest, 3.14 ft NGVD, Apr. 29, 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.97	5.09	4.53	4.69	3.99	3.58	4.00	4.22	4.13	4.58	7.20	---
10	7.26	4.98	5.72	4.54	3.89	3.49	3.84	3.94	4.09	5.21	5.93	6.09
15	6.33	4.87	5.53	4.37	3.74	3.37	3.62	3.74	3.84	5.26	5.55	6.40
20	5.74	4.77	5.10	4.25	3.60	3.58	3.38	3.50	3.74	5.30	5.23	6.07
25	5.51	4.65	4.85	4.15	3.50	3.49	3.24	3.88	4.34	5.54	---	5.72
EOM	5.27	4.57	4.78	4.04	3.43	4.25	3.14	4.08	4.80	5.04	---	7.07
MAX	8.25	5.24	5.72	4.77	4.02	4.25	4.21	4.28	4.86	5.80	7.20	7.20



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254152080282101. Local Number G 3553. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'52", long 80°28'21", in NW ¼ NE ¼ NW ¼ sec.31, T.54 S., R.39 E., Hydrologic Unit 03090202, on SW 72nd Street (Sunset Drive) west of SW 172nd Avenue.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.9 ft, cased to 14.9 ft, screened 14.9 to 19.9 ft.

INSTRUMENTATION.--Satellite data collection platform and tipping bucket rain gage.

DATUM.--Land-surface datum is 6.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.60 ft above land-surface datum.

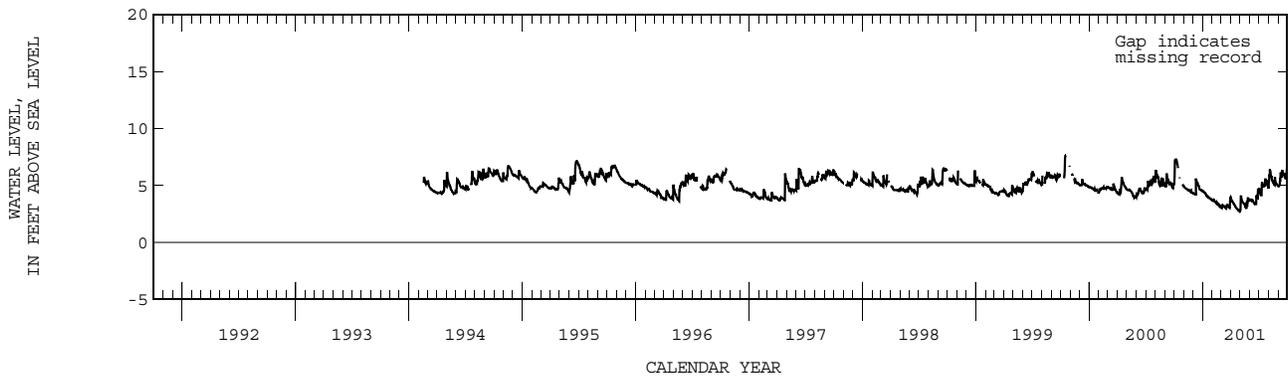
REMARKS.--Rainfall data is not published but is available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--February 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.64 ft NGVD, Oct. 17, 18, 1999; lowest, 2.72 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.28	4.80	4.26	4.42	3.69	3.31	3.67	3.83	3.78	4.28	6.42	5.03
10	6.98	4.71	5.62	4.28	3.56	3.19	3.46	3.53	3.71	5.15	5.83	6.06
15	---	4.61	5.24	4.07	3.44	3.05	3.22	3.34	3.44	5.01	5.34	6.22
20	---	4.55	4.86	3.93	3.38	3.29	3.01	3.07	3.38	4.95	5.05	5.94
25	---	4.43	4.63	3.86	3.16	3.14	2.86	3.49	3.98	5.24	5.22	5.63
EOM	4.97	4.34	4.53	3.72	3.11	3.98	2.72	3.72	4.53	4.73	4.99	6.63
MAX	7.30	4.93	5.62	4.51	3.73	3.98	3.88	4.05	4.72	5.60	6.42	6.65



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254157080214002. Local Number G 3074. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'57", long 80°21'40", in NW ¼ NW ¼ sec.32, T.54 S., R.40 E., Hydrologic Unit 03090202, on north side of Snapper Creek Canal, 0.25 mi southeast of the intersection of SW 107th Avenue and Sunset Drive, and 4.6 mi west of South Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 40 ft.

INSTRUMENTATION.--Electronic data logger.

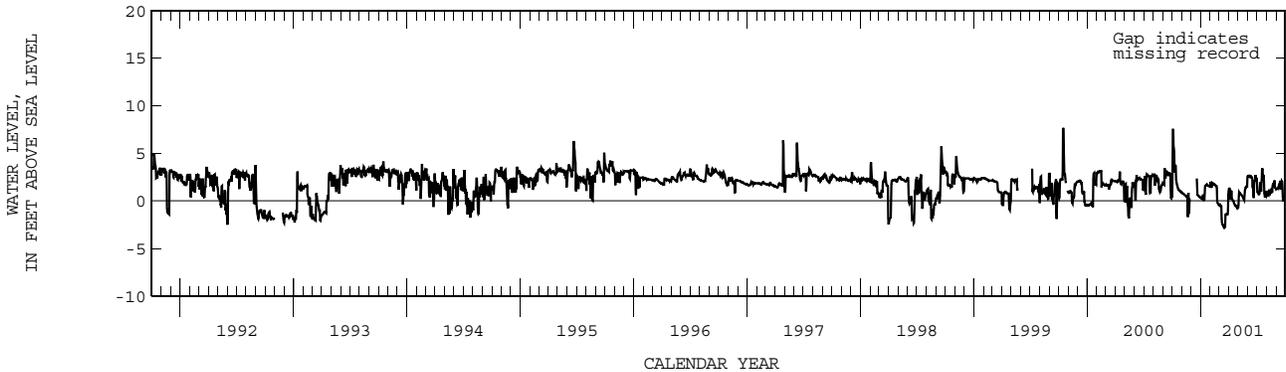
DATUM.--Land-surface datum is 3.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 4.72 ft above land-surface datum.

PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.68 ft NGVD, Oct. 15, 1999; lowest, 3.78 ft below NGVD, May 8, 1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.78	.79	---	.23	1.49	-.40	1.22	.87	2.60	.80	.76	1.32
10	3.73	.65	---	.20	1.83	-2.24	1.07	.71	2.60	1.32	1.11	1.51
15	1.87	.52	---	1.62	1.70	-2.68	.05	.47	2.47	2.00	.83	1.75
20	1.21	-1.69	1.62	1.72	1.57	-2.72	-.34	.19	.32	2.53	1.60	2.06
25	1.05	-.09	.56	1.63	-.31	-1.44	-.54	1.38	2.44	.64	1.51	.26
EOM	.92	---	.38	1.52	-.38	1.06	-.74	2.49	2.46	.97	1.26	2.02
MAX	7.59	.91	2.36	1.72	2.01	1.06	1.32	2.49	2.67	3.43	2.15	2.27



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254158080294501. Local Number G 3551. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'58", long 80°29'45", in SW ¼ NW ¼ NW ¼ sec.36, T.54 S., R.38 E., Hydrologic Unit 03090202, 4.2 mi south of Tamiami Trail (US 41) and 100 ft east of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.3 ft, cased to 13.3 ft, screened 13.3 to 18.3 ft.

INSTRUMENTATION.--Satellite data collection platform.

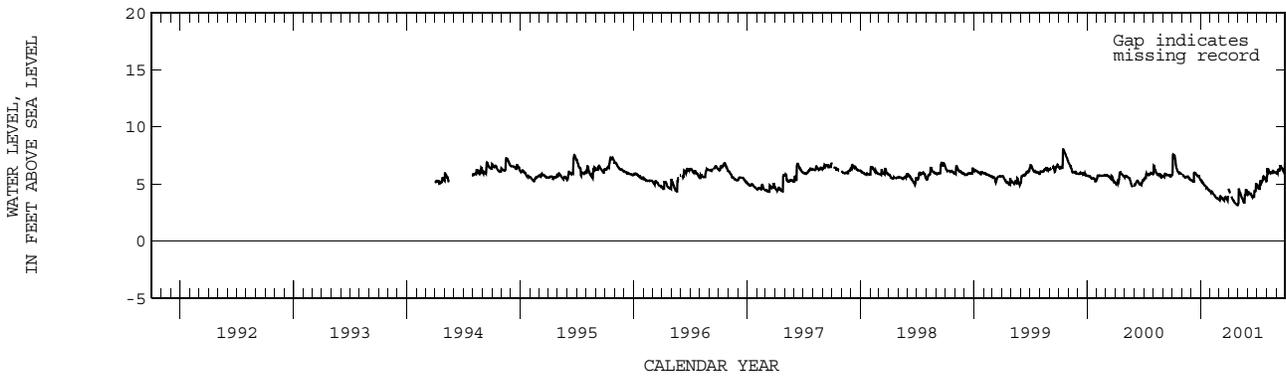
DATUM.--Land-surface datum is 6.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.61 ft above land-surface datum.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.03 ft NGVD, Oct. 15, 16, 1999; lowest, 3.15 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.57	5.76	5.25	5.17	4.35	3.92	4.17	4.39	4.27	4.69	6.28	5.98
10	7.23	5.61	5.95	4.99	4.15	3.77	3.90	3.98	4.16	4.79	6.02	6.24
15	6.38	5.61	5.93	4.83	3.98	3.59	3.61	3.70	3.89	5.27	6.02	6.54
20	6.05	5.67	5.76	4.70	3.76	3.85	3.36	3.39	3.88	5.54	5.98	6.38
25	5.97	5.49	5.71	4.55	3.72	3.70	3.22	3.97	4.30	5.53	6.05	6.09
EOM	5.84	5.36	5.35	4.37	3.66	4.60	3.15	4.16	4.96	5.26	5.98	6.90
MAX	7.58	5.79	6.00	5.35	4.35	4.60	4.44	4.60	4.99	5.68	6.28	6.90



MIAMI-DADE COUNTY

WELL NUMBER.--254201080173001. Local Number G 901. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'01", long 80°17'30", in NW ¼ NW ¼ SE ¼ sec.31, T.54 S., R.41 E., Hydrologic Unit 03090202, at southwest corner of intersection of SW 76th Street and SW 54th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 96 ft, cased to 94.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum 7.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

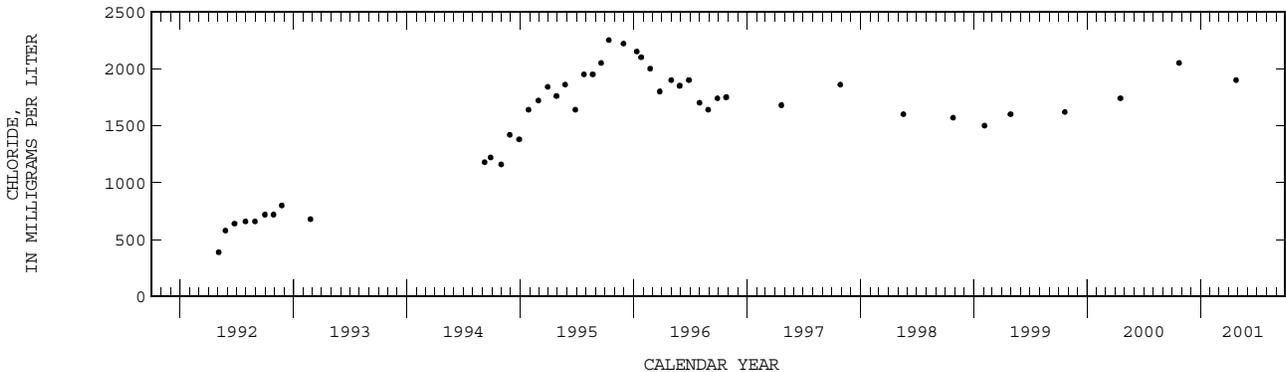
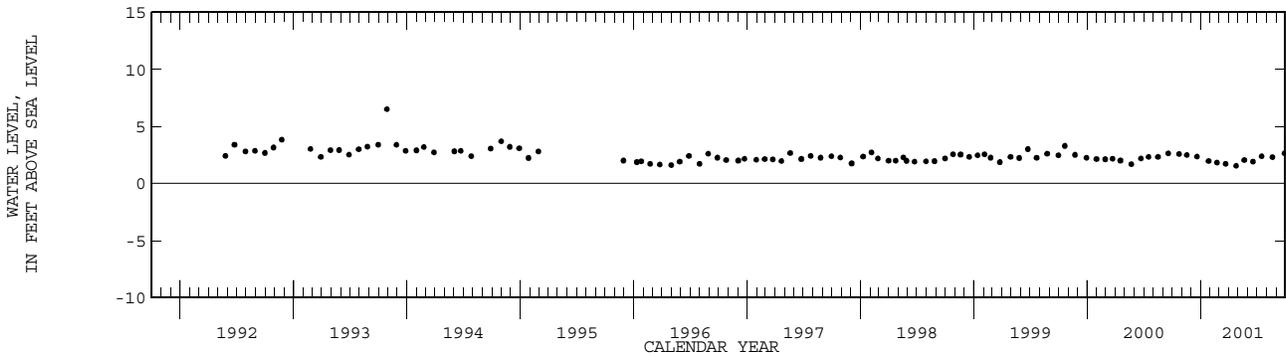
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to October 1981, May 1992 to November 1992 (intermittent), February 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.51 ft NGVD, Oct. 28, 1993; lowest, 1.16 ft NGVD, May 2, 1977.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 23...	1300	6380	2050	2.58	APR 25...	1002	6010	1900	1.55
NOV 17...	1211	--	--	2.50	MAY 21...	1357	--	--	2.04
DEC 20...	1433	--	--	2.36	JUN 18...	1255	--	--	1.92
JAN 26...	1258	--	--	1.96	JUL 16...	1350	--	--	2.38
FEB 22...	1348	--	--	1.83	AUG 20...	1404	--	--	2.31
MAR 22...	1334	--	--	1.72	SEP 28...	1324	--	--	2.64



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254206080294701. Local Number G 3575. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'06", long 80°29'47", in NW ¼ NE ¼ NE ¼ sec.35, T.54 S., R.38 E., Hydrologic Unit 03090202, 4.07 mi south of US 41 (Tamiami Trail) next to levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 8.9 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 6.09 ft above National Geodetic Vertical Datum of 1929 (Corrected). Prior to August 23, 2001, land-surface datum was considered to be 5.94 ft above NGVD. Measuring point: Top of base, 3.00 ft above land-surface datum. See REMARKS.

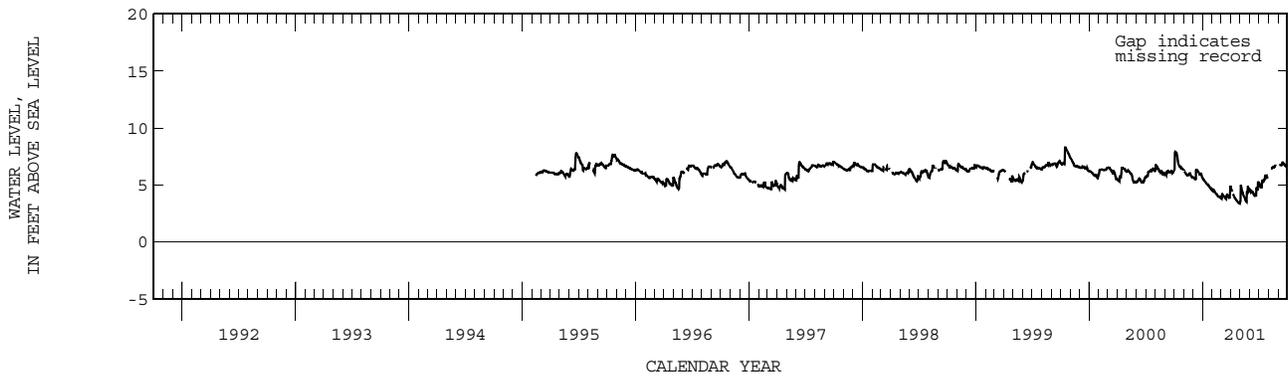
REMARKS.--On August 23, 2001, the measuring point elevation was found to be in error. Corrected data can be found in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--February 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.31 ft NGVD, Oct. 15, 16, 1999 (Corrected); lowest, 3.40 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.89	6.12	5.57	5.44	4.59	4.23	4.42	4.71	4.53	4.89	---	---
10	7.58	5.91	6.27	5.24	4.37	4.02	4.17	4.23	4.39	4.96	6.46	6.76
15	6.83	5.93	6.30	5.06	4.19	3.84	3.86	3.93	4.11	5.46	6.60	6.99
20	6.61	6.03	6.06	4.97	4.00	4.16	3.65	3.62	4.09	5.73	6.59	6.88
25	6.50	5.77	6.00	4.76	3.95	3.96	3.48	4.23	4.52	5.72	6.67	6.65
EOM	6.32	5.69	5.61	4.56	3.86	4.95	3.40	4.37	5.20	---	---	7.31
MAX	7.90	6.22	6.36	5.61	4.59	4.95	4.72	5.01	5.31	5.84	6.72	7.31



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254207080300201. Local Number G 3577. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'07", long 80°30'02", NW ¼ NE ¼ sec. 35, T.54 S., R.38 E., Hydrologic Unit 03090202, 4.08 mi south of US 41 (Tamiami Trail) and 0.24 mi west of levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 8.0 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.99 ft above land-surface datum.

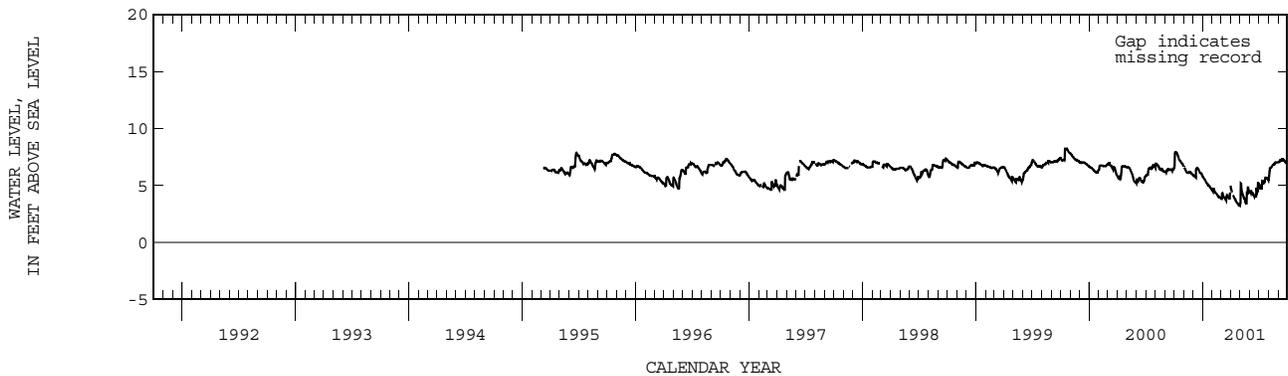
REMARKS.--The published figures of water levels as elevation, in feet NGVD, for the 2000 water year are in error. Corrected data are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--March 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.33 ft NGVD, Oct. 19, 1999; lowest, 3.25 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.91	6.46	5.83	5.60	4.73	4.32	4.38	4.68	4.58	4.80	6.48	7.08
10	7.79	6.17	6.32	5.40	4.40	3.98	4.12	4.14	4.32	4.78	6.60	7.19
15	7.41	6.11	6.52	5.16	4.25	3.80	3.84	3.83	4.09	5.38	6.80	7.28
20	7.18	6.20	6.32	5.04	4.05	4.16	3.54	3.46	4.05	5.56	6.88	7.22
25	6.97	6.07	6.11	4.86	3.94	3.93	3.37	4.20	4.43	5.67	7.03	7.00
EOM	6.71	5.92	5.82	4.65	3.88	5.00	3.25	4.32	5.12	5.48	7.04	7.42
MAX	7.92	6.58	6.53	5.80	4.73	5.00	4.73	5.20	5.32	5.70	7.04	7.42



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254209080294801. Local Number G 3660. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'09", long 80°29'48", in NE ¼ NE ¼ NE ¼ sec.35, T.54 S., R.38 E., Hydrologic Unit 03090202, 3.95 mi south of US 41 (Tamiami Trail), next to levee on west side of L-31N canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in, depth 57 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 16.31 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.67 ft above land-surface datum.

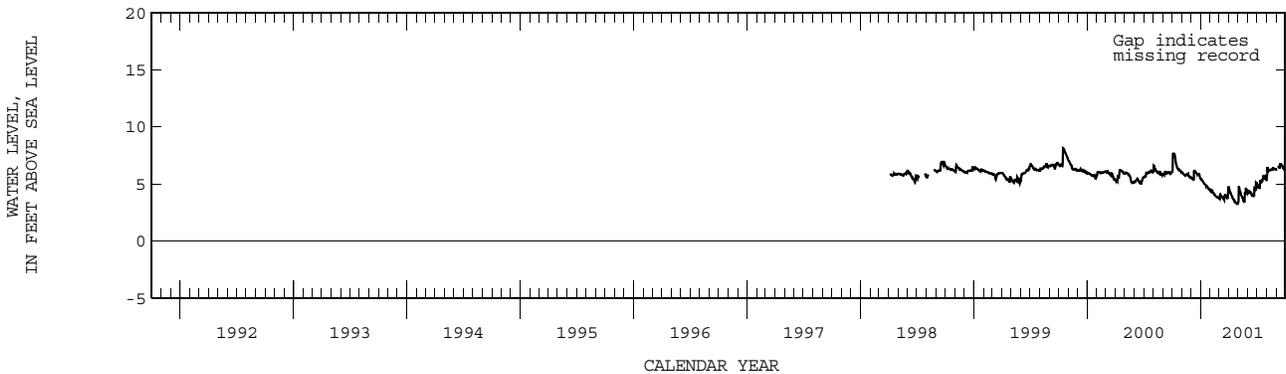
REMARKS.--Monitoring discontinued October 9, 2001.

PERIOD OF RECORD.--April 1998 to October 9, 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.12 ft NGVD, Oct. 15, 1999; lowest, 3.25 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.66	5.93	5.45	5.32	4.49	4.12	4.28	4.56	4.38	4.74	6.36	---
10	7.34	5.76	6.12	5.11	4.24	3.89	4.03	4.08	4.27	4.81	6.20	6.45
15	6.56	5.81	6.08	4.94	4.07	3.70	3.73	3.78	3.97	5.31	6.27	6.73
20	6.29	5.88	5.89	4.83	3.87	4.05	3.50	3.46	3.96	5.57	6.25	6.60
25	6.22	5.64	5.89	4.64	3.82	3.83	3.31	4.07	4.39	5.59	6.34	6.35
EOM	6.06	5.57	5.50	4.44	3.75	4.80	3.25	4.23	5.07	5.36	6.29	7.04
MAX	7.67	6.06	6.17	5.48	4.49	4.80	4.56	4.79	5.14	5.72	6.41	7.05



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254210080304801. Local Number G 3578. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'10", long 80°30'48", NE ¼ NE ¼ sec. 34, T.54 S., R.38 E., Hydrologic Unit 03090202, 4.02 mi south of US 41 (Tamiami Trail) and 1.01 mi west of levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 6.0 ft.

INSTRUMENTATION.--Satellite data collection platform.

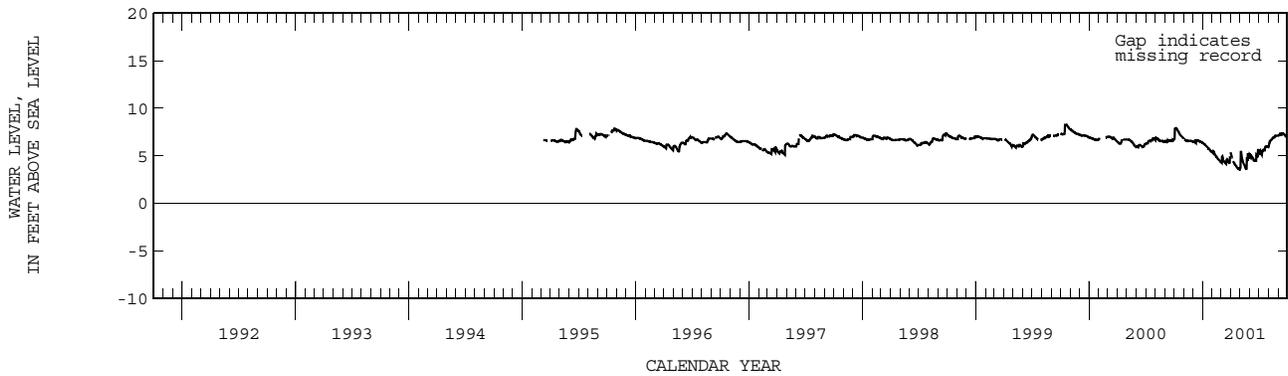
DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.94 ft above land-surface datum.

PERIOD OF RECORD.--March 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.39 ft NGVD, Oct. 18, 1999; lowest, 3.55 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.92	6.69	6.45	6.26	5.45	4.95	4.73	5.13	5.05	5.22	6.58	7.19
10	7.81	6.59	6.67	6.09	5.10	4.45	4.39	4.38	4.87	5.16	6.67	7.25
15	7.52	6.59	6.66	5.94	4.89	4.26	4.10	4.00	4.50	5.67	6.93	7.38
20	7.22	6.60	6.57	5.80	4.62	4.64	3.87	3.68	4.50	5.83	6.97	7.26
25	7.03	6.57	6.48	5.59	4.47	4.34	3.68	4.45	4.82	6.00	7.12	7.07
EOM	6.83	6.51	6.37	5.38	4.37	5.40	3.56	4.70	5.59	5.95	7.14	7.50
MAX	7.95	6.73	6.67	6.35	5.50	5.40	5.22	5.42	5.62	6.02	7.14	7.50



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254213080281501. Local Number G 3556. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'13", long 80°28'15", in SE ¼ NE ¼ SW ¼ sec.30, T.54 S., R.39 E., Hydrologic Unit 03090202, east of SW 172nd Avenue and approximately 0.4 mi north of SW 72nd Street (Sunset Drive).

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.1 ft, cased to 14.1 ft, screened 14.1 to 19.1 ft.

INSTRUMENTATION.--Electronic data logger.

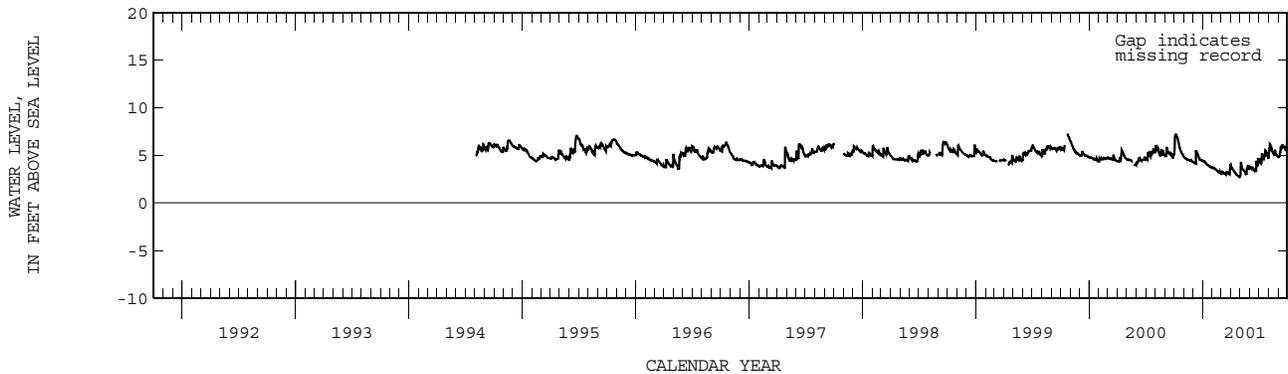
DATUM.--Land-surface datum is 5.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.72 ft above land-surface datum.

PERIOD OF RECORD.--August 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.29 ft NGVD, Oct. 22, 1999; lowest, 2.74 ft NGVD, Apr. 29, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.18	4.74	4.24	4.38	3.72	3.29	3.67	3.89	3.74	4.23	6.22	4.98
10	6.94	4.63	5.54	4.22	3.56	3.16	3.46	3.54	3.74	5.08	5.76	5.93
15	6.26	4.55	5.23	4.04	3.45	3.03	3.19	3.33	3.46	4.89	5.35	6.11
20	5.59	4.51	4.74	3.93	3.31	3.28	2.98	3.05	3.36	4.88	4.98	5.90
25	5.26	4.40	4.56	3.84	3.16	3.13	2.83	3.49	3.92	5.17	5.16	5.57
EOM	4.93	4.32	4.45	3.73	3.10	4.07	2.74	3.70	4.49	4.66	4.89	6.43
MAX	7.22	4.90	5.54	4.44	3.73	4.07	3.89	4.24	4.74	5.53	6.22	6.43



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254215080201503. Local Number G 1074B. USGS Observation Well in South Miami, FL.

LOCATION.--Lat 25°42'15", long 80°20'15", in SE ¼ SE ¼ sec.28, T.54 S., R.40 E., Hydrologic Unit 03090202, 0.15 mi west of Galloway Road and 0.20 mi north of Sunset Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 39.0 ft, cased to 17.0 ft.

INSTRUMENTATION.--Electronic data logger.

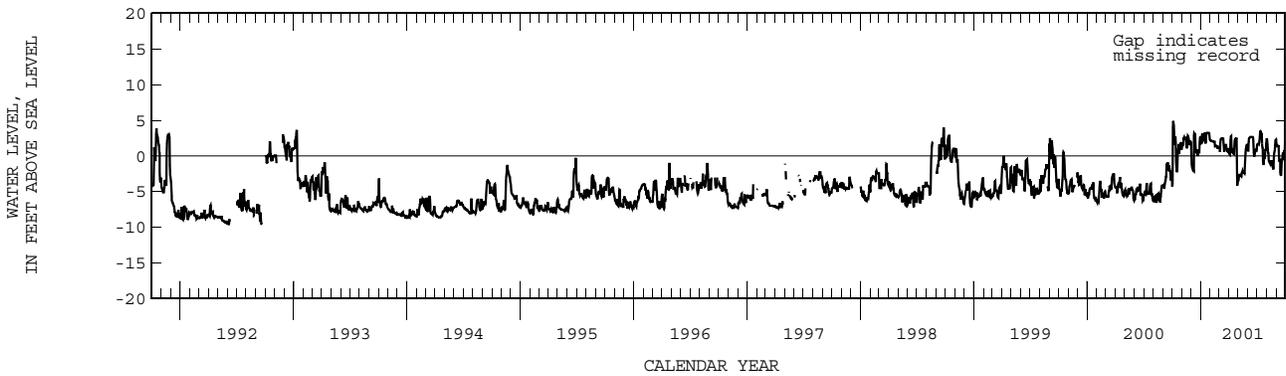
DATUM.--Land-surface datum is 10.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC casing, 3.29 ft above land-surface datum.

PERIOD OF RECORD.--October 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.92 ft NGVD, Oct. 4, 2000; lowest, 9.61 ft below NGVD, Sept. 21, 1992.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.55	1.53	-1.86	3.09	2.10	1.87	1.03	-2.64	2.42	1.68	.73	1.48
10	2.52	2.39	2.83	2.93	2.03	2.47	1.35	-2.83	2.66	2.66	-.86	-.80
15	-1.97	1.63	1.34	1.92	1.40	1.78	.85	-2.09	2.67	3.24	-.73	-2.62
20	.99	2.86	.64	3.20	1.40	1.45	2.09	-2.39	.53	-.73	-1.26	-.65
25	1.57	1.99	.68	3.26	1.16	.83	2.46	.39	.67	-.22	.37	.22
EOM	.88	1.79	2.64	2.20	1.16	.98	-3.55	.90	.83	2.23	2.29	1.95
MAX	4.92	2.86	3.21	3.27	2.16	2.47	2.81	1.56	2.67	3.45	2.50	1.95



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254217080171801. Local Number F 319. USGS Observation Well in South Miami, FL.

LOCATION.--Lat 25°42'17", long 80°17'18", in SE ¼ SE ¼ sec.25, T.54 S., R.40 E., Hydrologic Unit 03090202, in parking lot, on west side of SW 58th Avenue, north of Sunset Drive in South Miami, 0.1 mi south of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 13 ft.

INSTRUMENTATION.--Electronic data logger.

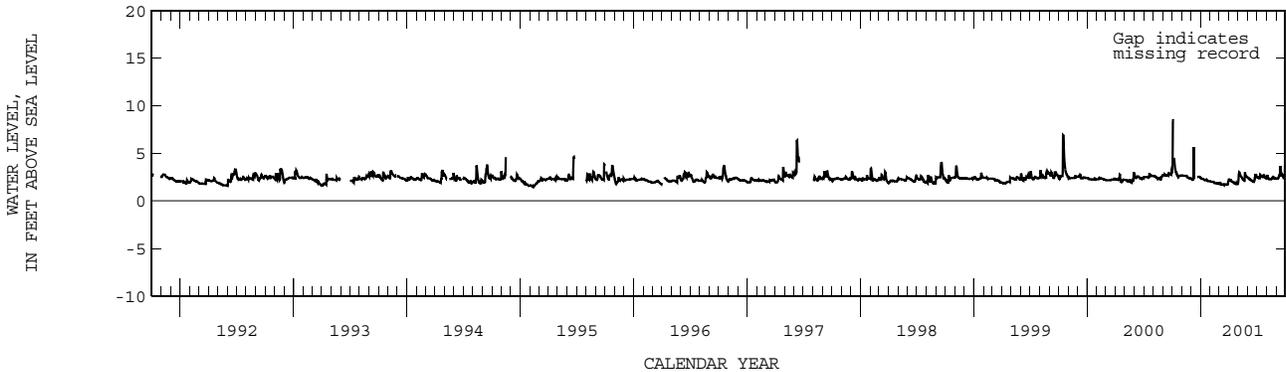
DATUM.--Land-surface datum is 11.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.69 ft above land-surface datum.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.86 ft NGVD, Oct. 11, 1947; lowest, 0.47 ft NGVD, May 17, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.67	2.25	2.32	2.01	1.93	2.18	2.99	2.38	2.46	2.56	2.36
10	3.37	2.66	5.66	2.29	2.01	1.76	2.09	2.64	2.21	2.40	2.28	2.73
15	2.94	2.66	---	2.20	1.88	1.75	2.00	2.39	2.13	2.62	2.29	3.52
20	2.50	2.48	---	2.26	1.85	1.76	1.85	2.14	2.04	2.51	2.39	2.68
25	2.65	2.42	2.56	2.09	1.85	1.71	1.78	2.74	2.46	2.50	2.41	2.56
EOM	2.70	2.38	2.45	2.09	1.83	2.02	1.79	2.49	2.54	2.37	2.36	3.87
MAX	8.62	2.69	5.66	2.44	2.08	2.13	2.35	3.04	2.85	2.79	2.66	3.88



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254218080241801. Local Number G 3565. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'18", long 80°24'18", in SW ¼ NW ¼ SE ¼ sec.26, T.54 S., R.39 E., Hydrologic Unit 03090202, 9 ft from edge of pavement in the northeast corner of the cul-de-sac at SW 68th Terrace and SW 131st Court.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19 ft, cased to 14 ft, open hole 14 to 19 ft.

INSTRUMENTATION.--Electronic data logger.

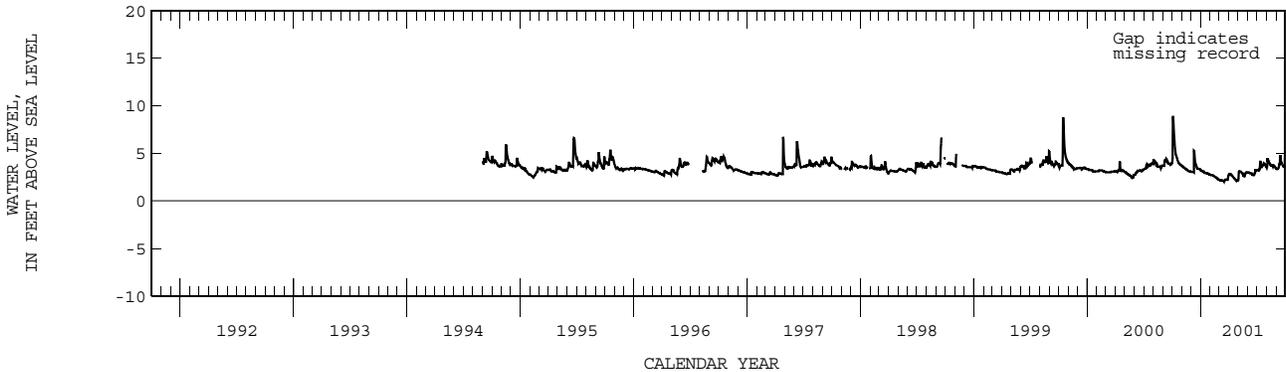
DATUM.--Land-surface datum is 8.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.56 ft above land-surface datum.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.84 ft NGVD, Oct. 3, 2000; lowest, 2.05 ft NGVD, Mar. 17, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.17	3.61	3.05	3.14	2.72	2.22	2.85	3.14	3.03	3.24	4.36	3.37
10	5.44	3.45	5.29	3.12	2.65	2.19	2.69	3.08	2.93	3.53	4.00	3.87
15	4.67	3.36	3.96	2.96	2.56	2.11	2.56	2.93	2.83	3.57	3.80	4.56
20	4.08	3.19	3.41	2.92	2.43	2.23	2.36	2.64	2.73	3.75	3.69	3.91
25	3.86	3.12	3.41	2.87	2.33	2.25	2.18	2.90	3.12	3.82	3.71	3.63
EOM	3.72	3.11	3.26	2.75	2.29	2.72	2.15	3.03	3.25	3.55	3.40	5.14
MAX	8.84	3.69	5.29	3.25	2.75	2.72	2.86	3.14	3.26	4.12	4.36	5.23



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254248080263801. Local Number G 3473. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°42'48", long 80°26'38", in NW ¼ sec.28, T.54 S., R.39 E., Hydrologic Unit 03090202, on north side of Miller Drive at SW 154th Court and 0.3 mi west of SW 152nd Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20.4 ft, cased to 20.4 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.50 ft above National Geodetic Vertical Datum of 1929. Prior to September 1994, land-surface datum was considered to be 7.46 ft above NGVD. Measuring point: Top of flange, 2.19 ft above land-surface datum. Prior to October 1994 top of flange was 3.30 ft above land-surface datum. See REMARKS.

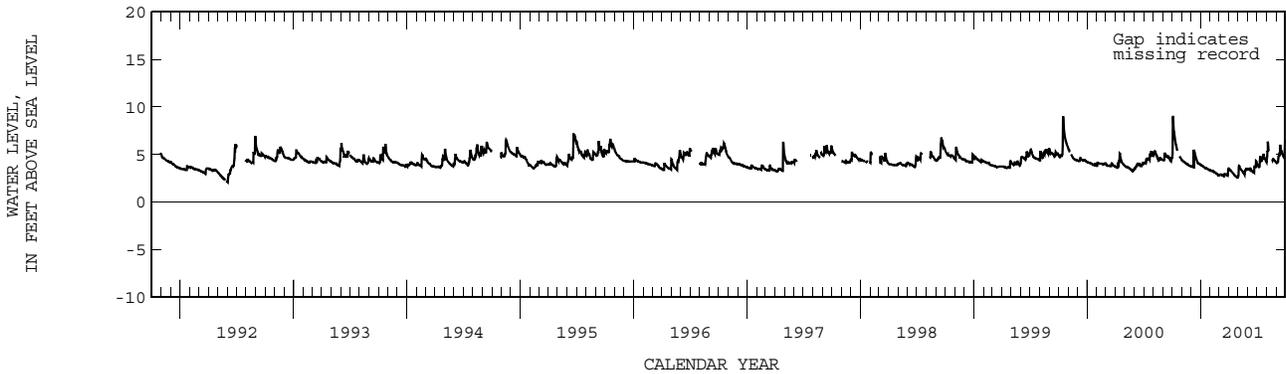
REMARKS.--The published figures of water levels as elevation, in feet NGVD, prior to October 1993, are in error. Corrected figures are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--October 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.05 ft NGVD, Oct. 15, 1999; lowest, 2.07 ft NGVD, June 2, 1992.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.92	4.32	3.72	3.82	3.33	2.93	3.40	3.78	3.47	3.78	6.38	4.20
10	6.52	4.18	5.43	3.72	3.26	2.85	3.23	3.43	3.56	4.35	---	5.01
15	5.68	4.07	4.81	3.58	3.13	2.76	3.04	3.23	3.26	4.32	---	5.57
20	---	3.98	4.28	3.51	3.00	2.96	2.83	3.01	3.14	4.44	4.39	5.14
25	4.78	3.82	4.07	3.46	2.89	2.89	2.67	3.33	3.63	4.68	4.45	4.77
EOM	4.49	3.79	3.96	3.34	2.85	3.56	2.59	3.46	4.11	4.22	4.18	6.25
MAX	8.99	4.44	5.43	3.92	3.34	3.56	3.55	3.81	4.33	5.00	6.38	6.60



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254334080284401. Local Number G 3558. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°43'39", long 80°28'47", in SW ¼ SW ¼ SW ¼ sec.18, T.54 S., R.39 E., Hydrologic Unit 03090202, at the northeast corner of Florida Power and Light service road next to Bird Drive extension canal and SW 177th Avenue (Krome Avenue).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19 ft, cased to 14 ft, screened 14 to 19 ft.

INSTRUMENTATION.--Satellite data collection platform.

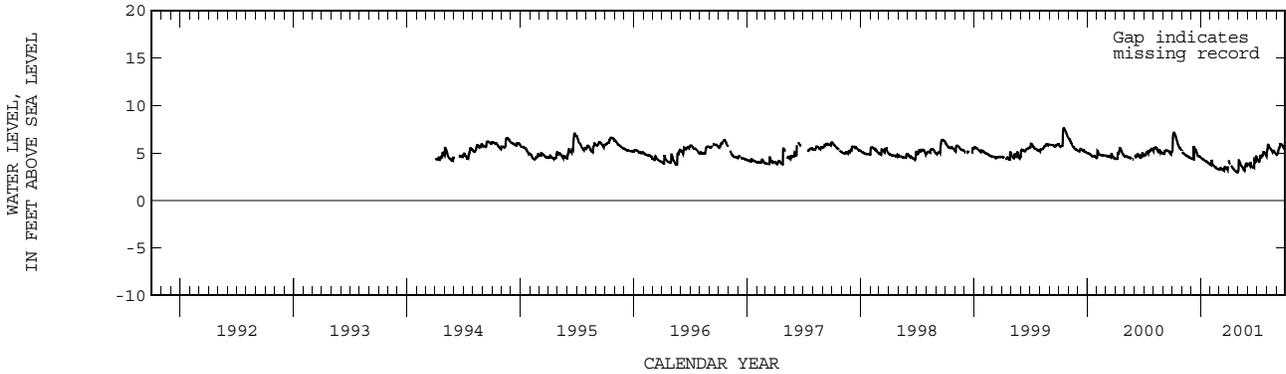
DATUM.--Land-surface datum is 7.13 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.62 ft NGVD, Oct. 17-19, 1999; lowest, 2.98 ft NGVD, Apr. 29, 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.06	5.05	4.40	4.40	4.17	3.44	3.81	4.19	3.77	4.22	5.86	4.99
10	6.94	4.89	5.61	4.31	3.70	3.31	3.63	3.74	3.97	4.38	5.67	5.59
15	6.35	4.75	5.39	4.19	3.55	3.19	3.38	3.49	3.54	4.75	5.41	5.95
20	5.83	4.67	4.90	4.10	3.38	3.55	3.20	3.19	3.51	4.77	5.11	5.85
25	5.53	4.54	4.68	3.98	3.34	3.36	3.06	3.58	4.05	5.05	5.21	5.56
EOM	5.25	4.45	4.54	3.85	3.31	4.24	2.98	3.77	4.51	4.67	4.89	6.30
MAX	7.15	5.11	5.61	4.50	4.27	4.24	4.14	4.26	4.65	5.11	5.87	6.30



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254335080170501. Local Number G 432. USGS Observation Well near Coral Gables, FL.

LOCATION.--Lat 25°43'35", long 80°17'05", in NW ¼ SW ¼ SW ¼ sec.19, T.54 S., R.41 E., Hydrologic Unit 03090202, at the northwest corner of intersection of Blue Road and Alhambra Circle, 28 ft west of Alhambra Circle and 6 ft north of Blue Road. AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 99.5 ft, cased to 97.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.99 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

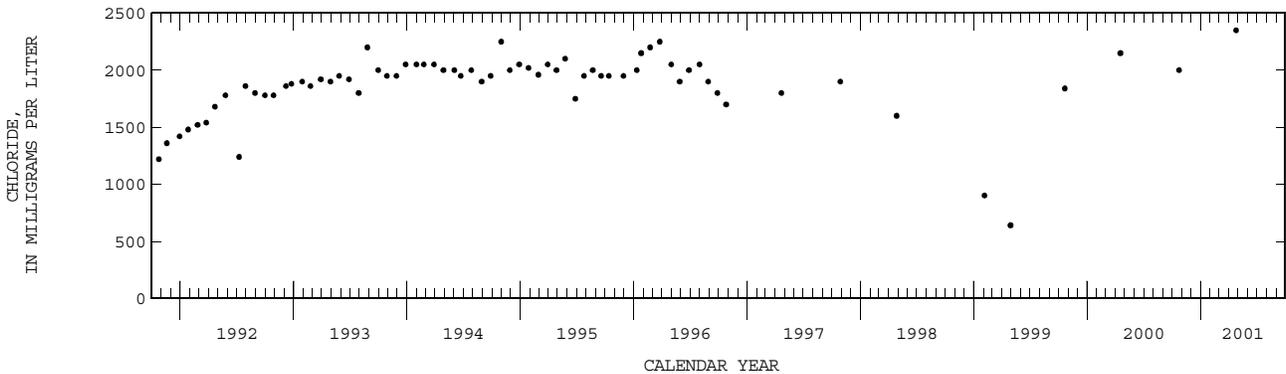
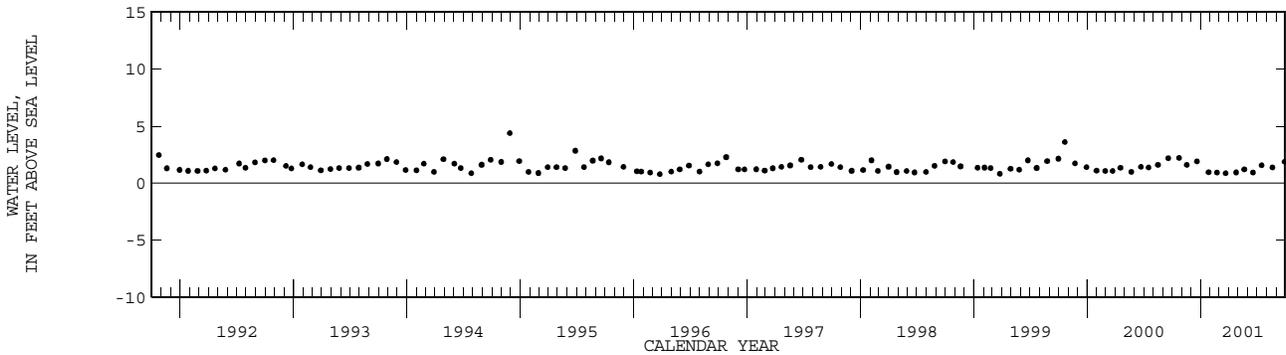
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1983 to October 1984 (semiannual), February 1985 to April 1985 (weekly), January 1986 to April 1986 (monthly), October 1986 to October 1990 (semiannual), November 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.37 ft NGVD, Nov. 28, 1995; lowest, 0.11 ft NGVD, Apr. 15, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 23...	1023	6270	2000	2.19	APR 25...	0842	7210	2350	.93
NOV 17...	1226	--	--	1.59	MAY 21...	1410	--	--	1.19
DEC 20...	1450	--	--	1.90	JUN 18...	1308	--	--	.92
JAN 26...	1309	--	--	.94	JUL 16...	1405	--	--	1.56
FEB 22...	1402	--	--	.92	AUG 20...	1435	--	--	1.37
MAR 22...	1347	--	--	.86	SEP 28...	1339	--	--	1.86



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254340080203601. Local Number G 3563. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°43'40", long 80°20'36", in SE ¼ NW ¼ NE ¼ sec.21, T.54 S., R.40 E., Hydrologic Unit 03090202, at SW 92nd Avenue between SW 43rd Street and SW 43rd Terrace, 7 ft east of curb.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.1 ft, cased to 13.1 ft, open hole 13.1 to 18.1 ft.

INSTRUMENTATION.--Electronic data logger.

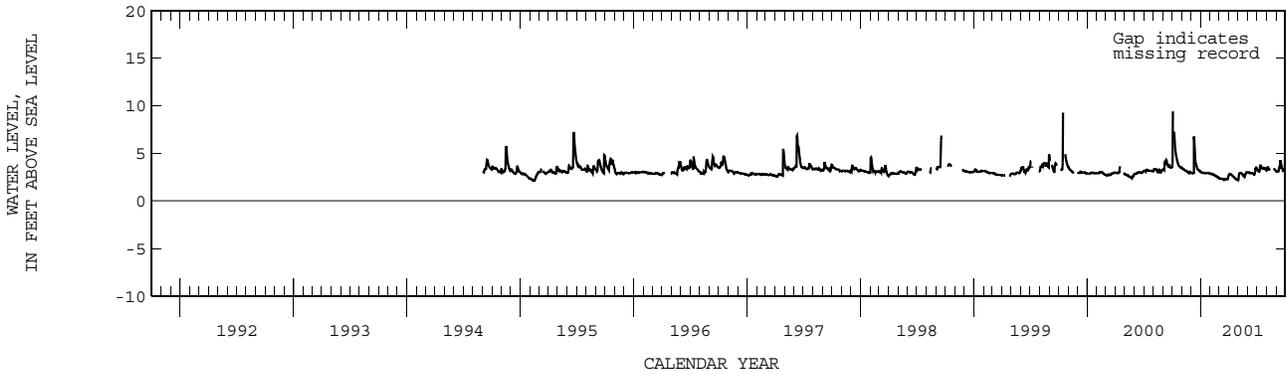
DATUM.--Land-surface datum is 8.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.15 ft above land-surface datum.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.42 ft NGVD, Oct. 3, 2000; lowest, 2.11 ft NGVD, Feb. 12, 13, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	3.36	2.94	2.97	2.81	2.36	2.84	2.93	3.02	3.17	3.56	3.11
10	5.64	3.25	6.77	2.96	2.80	2.34	2.76	2.96	2.97	3.39	3.30	3.61
15	4.46	3.15	4.17	2.92	2.71	2.27	2.60	2.81	2.95	3.53	---	4.20
20	3.82	3.04	3.48	2.95	2.59	2.29	2.46	2.59	2.83	3.46	---	3.49
25	3.59	3.07	3.25	2.95	2.53	2.32	2.28	2.81	3.25	3.45	3.36	3.23
EOM	3.52	2.99	3.09	2.89	2.47	2.65	2.21	3.02	3.43	3.19	3.13	4.71
MAX	9.42	3.52	6.77	3.05	2.89	2.65	2.85	3.02	3.52	3.74	3.56	4.71



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254421080260201. Local Number G 3439. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'21", long 80°26'02", in SE ¼ NE ¼ sec.16, T.54 S., R.39 E., Hydrologic Unit 03090202, on north side of SW 30th Street, 500 ft west of SW 147th Avenue, 0.75 mi north of Bird Road, 15 mi west of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 12 ft, cased to 10 ft, open hole 10 ft to 12 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 5.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.70 ft above land-surface datum. Prior to October 5, 1999, the measuring point was 1.77 ft above land-surface datum.

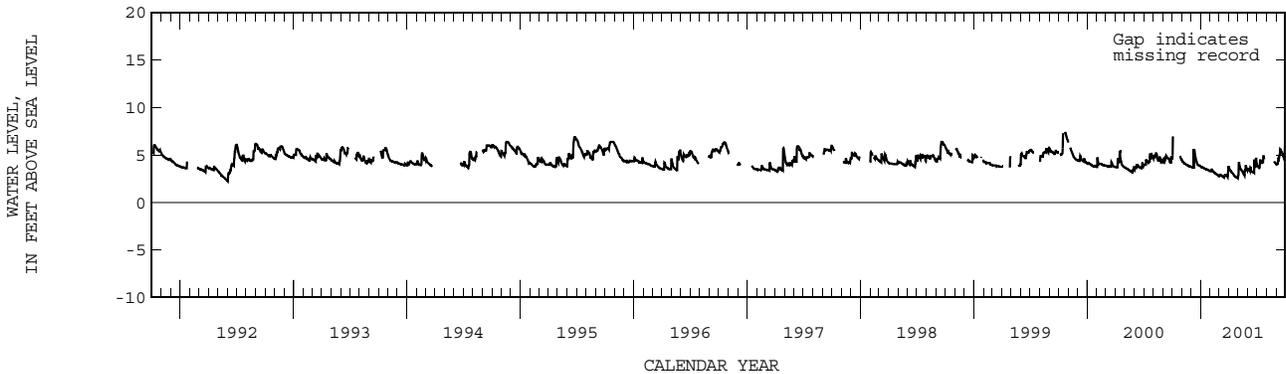
REMARKS.--Station reconstructed October 5, 1999.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.46 ft NGVD, Oct. 16, 1999; lowest, 2.15 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	4.29	3.70	3.70	3.47	2.93	3.40	3.93	3.45	3.76	---	4.07
10	---	4.12	5.55	3.63	3.25	2.81	3.22	3.49	3.68	4.00	---	4.83
15	---	3.99	4.70	3.55	3.10	2.68	3.03	3.24	3.23	4.17	---	5.58
20	---	3.93	4.11	3.47	2.99	2.92	2.80	3.00	3.18	4.25	---	5.20
25	4.88	3.82	3.92	3.42	2.87	2.85	2.65	3.36	3.81	---	4.34	4.76
EOM	4.52	3.78	3.80	3.30	2.84	3.83	2.58	3.42	4.13	---	4.06	6.12
MAX	6.96	4.48	5.55	3.79	3.47	3.83	3.69	4.16	4.71	4.88	4.34	6.12



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254432080240401. Local Number G 3572. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'32", long 80°24'04", in SE ¼ SE ¼ NE ¼ sec.14, T.54 S., R.39 E., Hydrologic Unit 03090202, 6 ft from edge of pavement in southwest corner of cul-de-sac at SW 27th Terrace and SW 127th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.4 ft, cased to 14.4 ft, open hole 14.4 to 19.4 ft.

INSTRUMENTATION.--Electronic data logger.

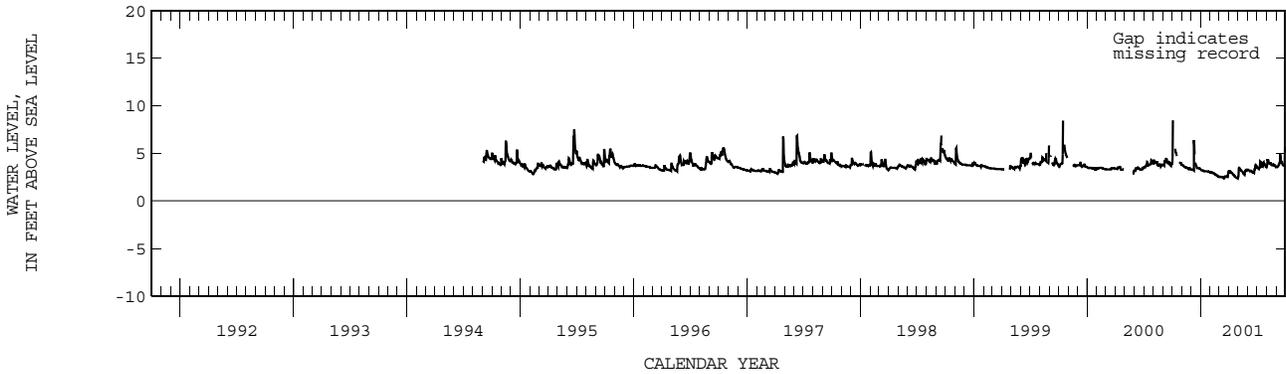
DATUM.--Land-surface datum is 7.99 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.02 ft above land-surface datum.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.50 ft NGVD, Oct. 3, 2000; lowest, 2.39 ft NGVD, Mar. 17, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	3.75	3.31	3.24	3.01	2.57	3.12	3.46	3.23	3.44	4.31	3.58
10	5.49	3.59	6.40	3.17	2.93	2.53	2.97	3.25	3.20	3.59	3.99	3.97
15	4.74	3.52	3.89	3.13	2.84	2.42	2.81	3.05	3.09	3.61	3.90	4.57
20	---	3.45	3.47	3.13	2.73	2.59	2.61	2.84	2.98	3.80	3.76	3.96
25	4.03	3.45	3.47	3.13	2.60	2.57	2.45	3.14	3.66	3.86	3.78	3.75
EOM	3.86	3.34	3.32	3.02	2.56	3.12	2.40	3.24	3.57	3.57	3.55	5.20
MAX	8.50	3.85	6.40	3.29	3.01	3.12	3.17	3.51	3.75	4.16	4.31	5.75



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254442080305201. Local Number G 3576. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'43", long 80°30'53", NE ¼ sec. 13, T.54 S., R.38 E., Hydrologic Unit 03090202, 1.1 mi south of US 41 (Tamiami Trail) and 1.03 mi west of levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 9.6 ft.

INSTRUMENTATION.--Satellite data collection platform.

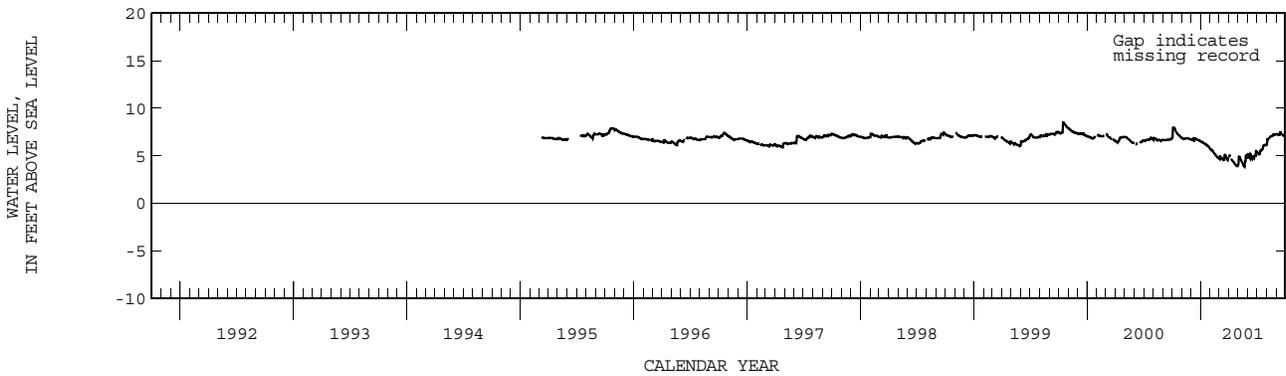
DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.51 ft above land-surface datum.

PERIOD OF RECORD.--March 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.55 ft NGVD, Oct. 16, 1999; lowest, 3.85 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.93	6.80	6.69	6.46	5.65	4.96	4.89	4.92	4.92	5.26	6.81	7.29
10	7.80	6.83	6.86	6.36	5.44	4.73	4.67	4.57	5.20	5.27	6.90	7.21
15	7.46	6.85	6.81	6.24	5.20	4.57	4.42	4.25	4.65	5.66	7.08	7.43
20	7.25	6.86	6.71	6.12	5.00	5.11	4.19	3.95	4.80	5.94	7.11	7.28
25	7.09	6.78	6.66	6.02	4.82	4.71	3.97	4.47	5.05	6.14	7.26	7.12
EOM	6.93	6.74	6.54	5.77	4.74	5.07	3.94	4.69	5.50	6.12	7.26	7.58
MAX	7.97	6.86	6.86	6.52	5.71	5.11	5.06	5.01	5.54	6.15	7.27	7.58



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254444080144801. Local Number F 179. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°44'44", long 80°14'48", in SE ¼ NW ¼ sec.16, T.54 S., R.41 E., Hydrologic Unit 03090202, at northwest corner of SW 24th Terrace and SW 32nd Avenue, 0.5 mi north of US 1, and 3.8 mi northeast of South Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 77 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 2.49 ft above land-surface datum.

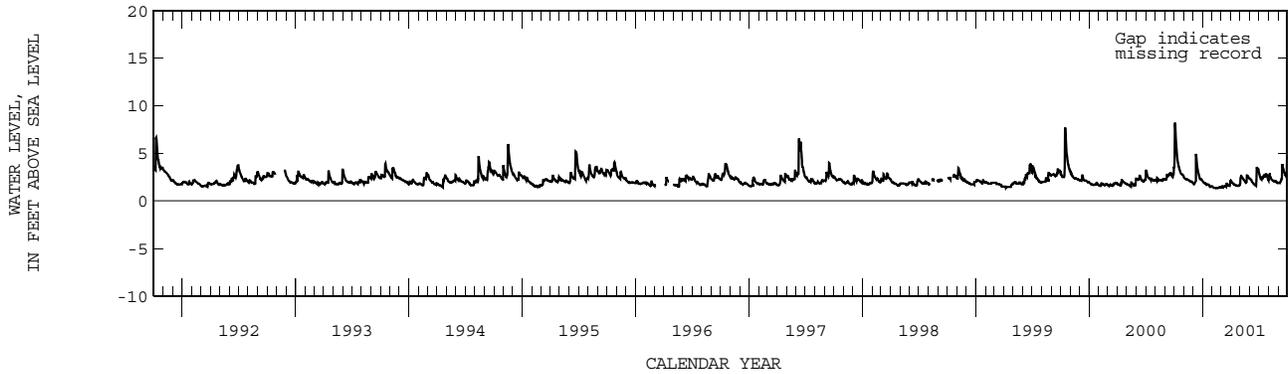
PERIOD OF RECORD.--January 1939 to current year.

REMARKS.--Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.16 ft NGVD, Oct. 4, 2000; lowest, 0.69 ft NGVD, Mar. 18, 1943.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.35	2.36	1.82	1.91	1.39	1.55	1.94	2.65	2.26	2.49	2.71	1.91
10	4.67	2.28	4.92	1.83	1.39	1.52	1.79	2.38	1.94	2.42	2.29	2.30
15	3.64	2.21	3.42	1.74	1.34	1.54	1.68	2.12	1.74	2.55	2.14	3.79
20	3.07	2.09	2.62	1.72	1.42	1.81	1.61	1.93	1.64	2.46	2.06	3.08
25	2.79	2.07	2.29	1.49	1.47	1.62	1.59	2.63	3.28	2.80	2.06	2.69
EOM	2.61	1.90	2.13	1.56	1.46	2.05	1.70	2.35	3.19	2.18	1.91	4.43
MAX	8.16	2.53	4.92	2.07	1.53	2.07	2.15	2.70	3.57	2.99	2.78	4.60



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254445080295001. Local Number G 3559. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'45", long 80°29'50", in SE ¼ SE ¼ SE ¼ sec.11, T.54 S., R.38 E., Hydrologic Unit 03090202, 1 mi south of Tamiami Trail (US 41) and 100 ft east of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 19.5 ft, cased to 14.5 ft, screened 14.5 to 19.5 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 8.61 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.50 ft above land-surface datum. The figures of water levels as elevation, in feet NGVD, published for the 1994 water year are in error.

Corrected records are in the files of the Geological Survey. See REMARKS.

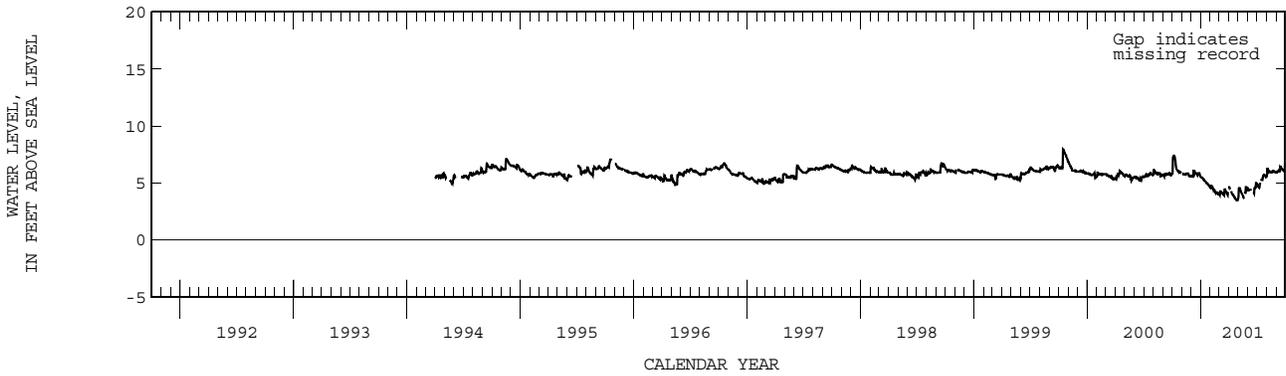
REMARKS.--During the 1994 water year land-surface datum was considered to be 8.88 ft above NGVD. See DATUM.

PERIOD OF RECORD.--April 1994 to current year

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.97 ft NGVD, Oct. 15, 1999; lowest, 3.51 ft NGVD, Apr. 27-29, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.33	5.79	5.61	5.49	4.75	4.29	4.41	4.57	4.37	4.73	6.21	6.01
10	7.08	5.78	6.07	5.31	4.49	4.16	4.21	4.25	4.42	4.81	6.02	6.04
15	6.23	5.80	5.93	5.15	4.35	3.99	3.96	3.97	---	5.29	6.00	6.41
20	6.03	5.85	5.77	4.98	4.14	4.45	3.75	3.68	4.17	5.53	5.97	6.26
25	5.96	5.60	5.88	4.89	4.12	4.13	3.54	4.18	4.52	5.69	6.02	6.07
EOM	5.90	5.64	5.56	4.67	4.05	4.63	3.54	4.29	4.99	5.58	5.96	6.76
MAX	7.40	5.86	6.07	5.54	4.76	4.63	4.64	4.65	5.02	5.71	6.21	6.76



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254446080295501. Local Number G 3574. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'46", long 80°29'55", in NE ¼ NE ¼ NE ¼ sec.14, T.54 S., R.38 E., Hydrologic Unit 03090202, 1.06 mi south of US 41 (Tamiami Trail) next to levee on west side of L-31N Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 6.8 ft.

INSTRUMENTATION.--Satellite data collection platform.

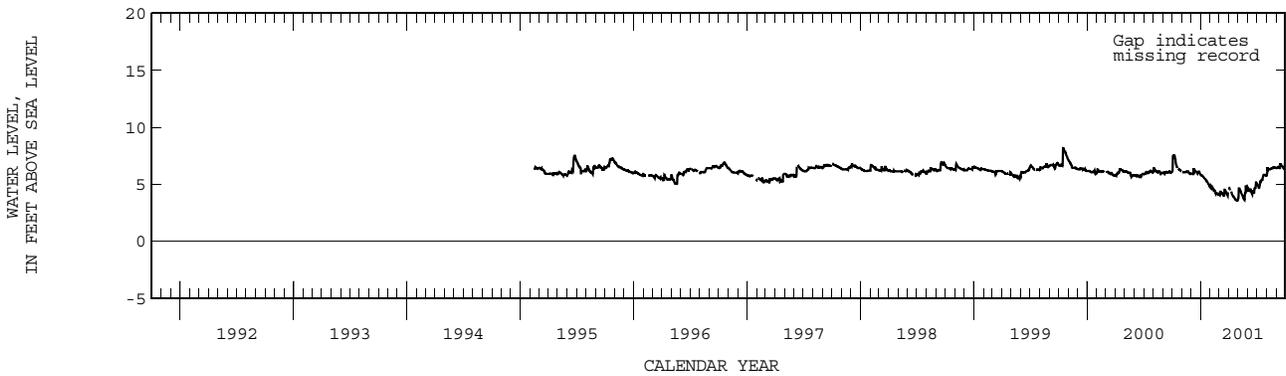
DATUM.--Land-surface datum is 6.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.73 ft above land-surface datum.

PERIOD OF RECORD.--February 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.18 ft NGVD, Oct. 15, 16, 1999; lowest, 3.58 ft NGVD, Apr. 27-29, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.53	6.07	5.94	5.79	4.84	4.38	4.48	4.64	4.45	4.84	6.41	6.49
10	7.28	6.07	6.34	5.62	4.57	4.23	4.27	4.32	4.56	4.99	6.32	6.45
15	6.58	6.12	6.17	5.45	4.44	4.04	3.99	4.01	4.15	5.39	6.40	6.75
20	6.38	6.16	6.03	5.26	4.22	4.54	3.79	3.73	4.27	5.64	6.40	6.61
25	6.27	5.96	6.12	5.10	4.19	4.19	3.61	4.25	4.62	5.84	6.49	6.41
EOM	6.18	5.97	5.85	4.79	4.13	4.70	3.60	4.35	5.13	5.77	6.45	7.00
MAX	7.56	6.16	6.34	5.82	4.88	4.70	4.70	4.91	5.19	5.84	6.51	7.00



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254500080360001. Local Number G 618. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°45'40", long 80°36'00", in NE ¼ NE ¼ sec.12, T.54 S., R.37 E., Hydrologic Unit 03090202, on south side of US 41, 7.4 mi west of SR 997 (Krome Avenue), and 25 mi west of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 11 ft.

INSTRUMENTATION.--Electronic data recorder.

DATUM.--Land-surface datum is 7.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.77 ft above land-surface datum.

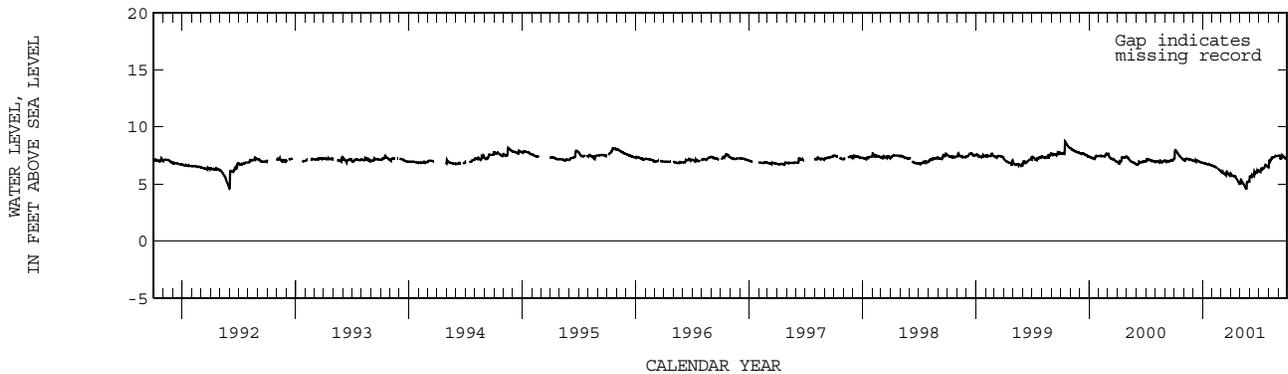
REMARKS.--Records of water levels prior to January 1957 are available in the files of the Geological Survey.

PERIOD OF RECORD.--January 1950 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.52 ft NGVD, Nov. 2, 1960; lowest, 2.56 ft NGVD, May 2, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.88	7.02	7.03	6.83	6.57	6.15	5.72	5.34	5.69	6.11	7.03	7.49
10	7.79	7.21	7.10	6.79	6.51	5.95	5.72	5.08	5.80	6.27	7.21	7.33
15	7.59	7.20	7.04	6.74	6.40	5.80	5.68	4.85	5.82	6.36	7.35	7.51
20	7.40	7.16	6.96	6.74	6.29	6.11	5.45	4.61	5.98	6.58	7.38	7.37
25	7.25	7.10	6.91	6.68	6.18	5.87	5.20	5.16	6.20	6.58	7.45	7.23
EOM	7.12	7.06	6.86	6.62	6.10	5.83	5.08	5.21	6.19	6.48	7.47	7.70
MAX	7.94	7.28	7.10	6.85	6.60	6.15	5.92	5.37	6.23	6.69	7.47	7.72



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254536080172601. Local Number G 3570. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°45'36", long 80°17'26", in SW ¼ NW ¼ NE ¼ sec.12, T.54 S., R.40 E., Hydrologic Unit 03090202, at the northeast corner of SW 11th Street and SW 58th Avenue, 10 ft south of SW 11th Street and 22 ft west of SW 58th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.  
 WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.7 ft, cased to 13.7 ft, open hole 13.7 to 18.7 ft.

INSTRUMENTATION.--Electronic data logger.

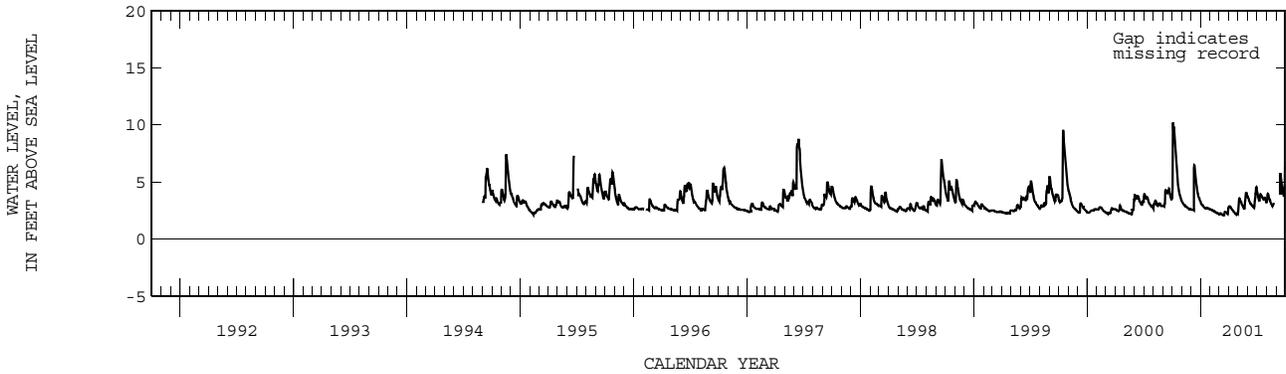
DATUM.--Land-surface datum is 10.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.16 ft NGVD, Oct. 3, 2000; lowest, 2.06 ft NGVD, Mar. 18, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.39	3.14	2.56	2.98	2.55	2.25	2.84	3.56	3.41	3.65	3.95	---
10	7.84	2.96	6.23	2.82	2.47	2.16	2.68	3.26	3.08	3.72	3.46	---
15	5.80	2.83	5.50	2.71	2.39	2.10	2.48	2.95	2.96	3.76	3.16	5.70
20	4.57	2.73	4.34	2.72	2.31	2.38	2.31	2.69	2.75	3.50	2.87	4.55
25	3.83	2.64	3.71	2.68	2.24	2.29	2.14	3.65	3.68	3.62	3.03	3.79
EOM	3.38	2.60	3.27	2.60	2.20	2.76	2.20	3.73	4.44	3.16	---	6.68
MAX	10.16	3.33	6.48	3.18	2.58	2.76	2.86	4.03	4.53	4.24	3.95	6.74



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254629080143101. Local Number G 3605. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°46'29", long 80°14'31", in SE 1/4 SE 1/4 NE 1/4 sec.4, T.54 S., R.41 E., Hydrologic Unit 03090202, at northwest corner of Dade County Auditorium parking lot, northwest of the intersection of NW 29th Avenue and Flagler Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 110 ft, cased to 105 ft, screened 105 to 110 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 13.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

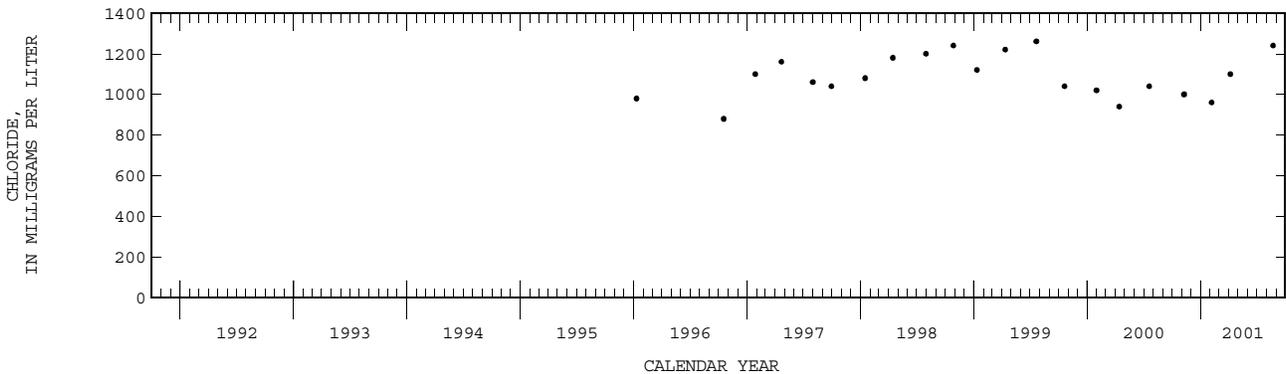
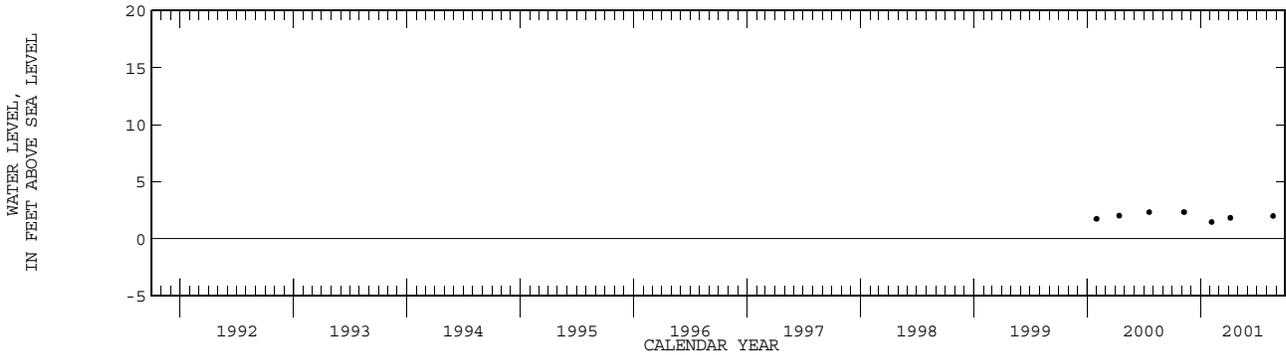
REMARKS.--Well is also used for quarterly salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Salinity monitoring began August 1995. Water-level measurements began January 2000.

PERIOD OF RECORD.--August 1995 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.34 ft NGVD, Nov. 8, 2000; lowest, 1.46 ft NGVD, Feb. 5, 2001.

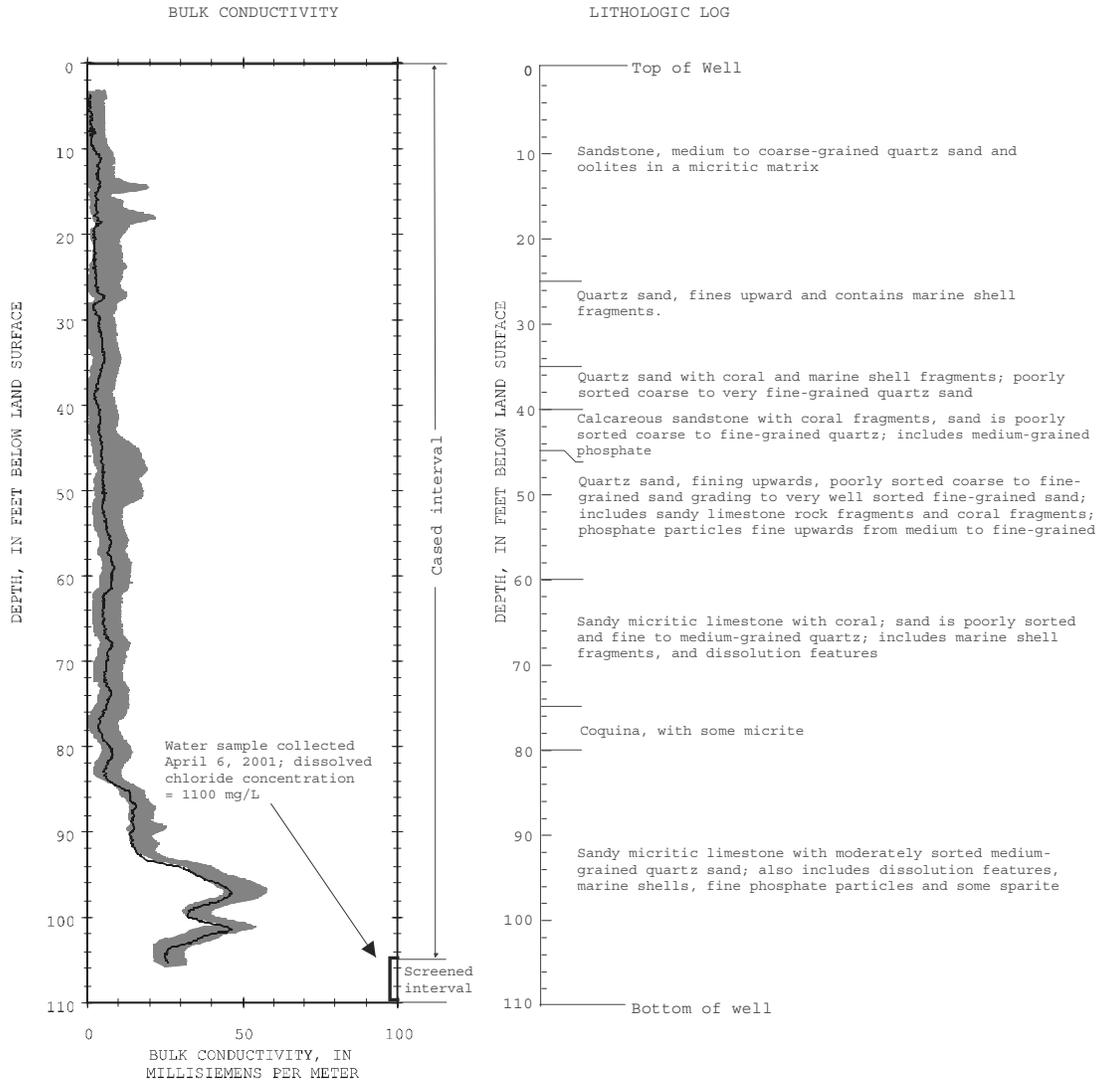
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 08...	0759	3360	1000	2.34	APR 06...	0733	3850	1100	1.84
FEB 05...	1043	3270	960	1.46	AUG 22...	0810	4410	1240	1.99



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254629080143101. Local Number G 3605. USGS Observation Well near Miami, FL.



EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 6, 2001

Shaded area represents range in bulk conductivity logs collected annually from January 10, 1996 to April 13, 2000

[ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254657080214401. Local Number G 3568. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°46'57", long 80°21'44", in SE ¼ SE ¼ SW ¼ sec.32, T.53 S., R.40 E., Hydrologic Unit 03090202, 10 ft south of edge of NW 12th Street and 1742 ft east of NW 107th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 16.8 ft, cased to 11.8 ft, open hole 11.8 to 16.8.

INSTRUMENTATION.--Electronic data logger.

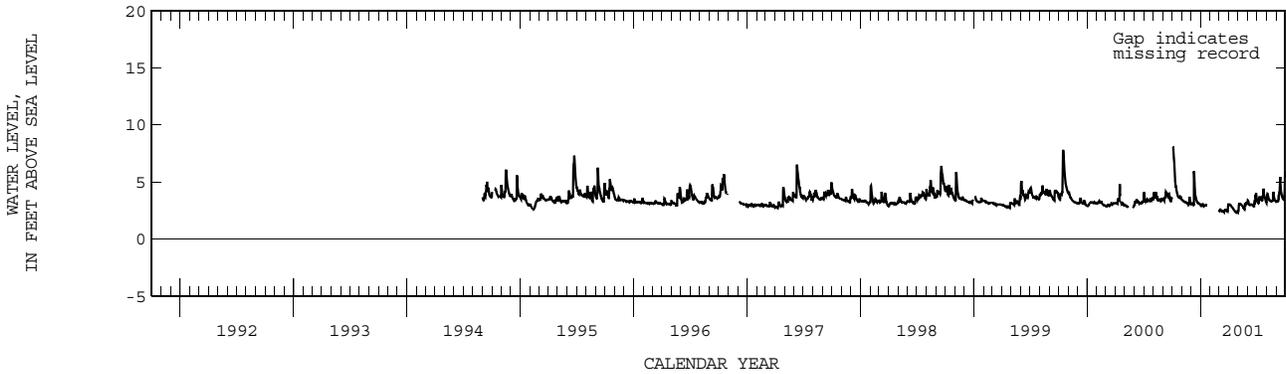
DATUM.--Land-surface datum is 7.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.05 ft NGVD, Oct. 3, 4, 2000; lowest, 2.31 ft NGVD, Apr. 25, 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.62	3.35	3.13	3.03	---	2.58	3.00	3.08	3.05	3.14	3.75	3.29
10	5.13	3.26	5.95	2.87	---	2.45	2.86	3.03	3.01	3.47	3.43	4.11
15	4.17	3.21	3.71	2.96	---	2.39	2.69	2.87	2.97	3.47	3.35	4.67
20	3.68	3.08	3.23	2.99	---	2.55	2.47	2.67	2.88	3.74	3.35	3.73
25	3.60	3.72	3.14	---	---	2.49	2.31	3.02	3.51	3.66	3.60	3.46
EOM	3.49	3.04	2.99	---	2.50	3.03	2.31	3.08	3.51	3.19	3.27	5.40
MAX	8.05	3.72	5.95	3.07	2.50	3.05	3.04	3.15	4.05	4.41	4.13	5.93



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254720080253002. Local Number G 3676. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°47'20", long 80°25'30", in NW ¼ NW ¼ SW ¼ sec.34, T.53 S., R.39 E., Hydrologic Unit 03090202, on north side of service road and north side of conveyor belt, on Rinker Materials property, 0.4 mi west of SW 137th Street 1.7 mi north of US 41 (Tamiami Trail).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 23 ft, screened 23 to 33 ft.

INSTRUMENTATION.--Electronic data logger.

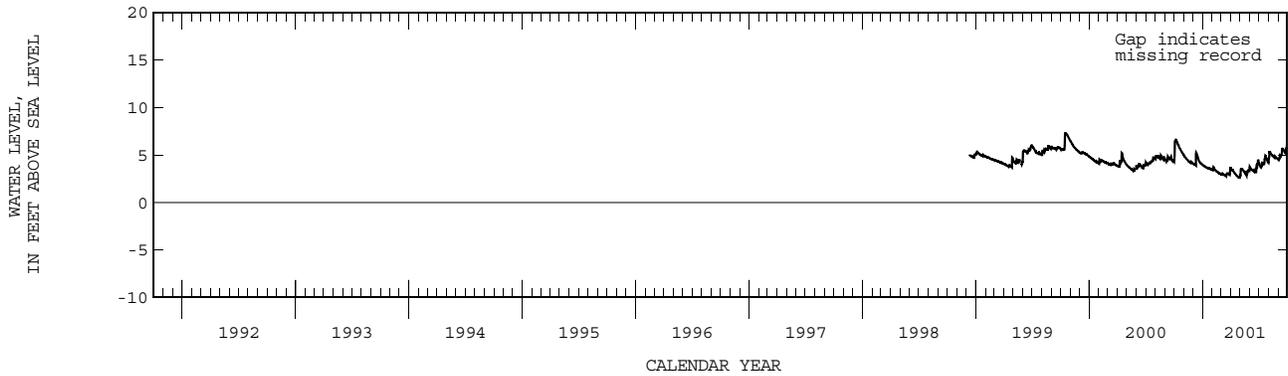
DATUM.--Land-surface datum is 8.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.64 ft above land-surface datum.

PERIOD OF RECORD.--December 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.30 ft NGVD, Oct. 16, 17, 1999; lowest, 2.63 ft NGVD, Apr. 29, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.49	4.78	4.00	3.85	3.70	3.08	3.42	3.54	3.56	3.85	5.33	4.67
10	6.35	4.58	5.12	3.73	3.40	2.93	3.28	3.41	3.41	4.11	5.09	4.99
15	5.96	4.41	4.84	3.65	3.27	2.83	3.07	3.22	3.25	4.12	4.92	5.67
20	5.64	4.27	4.40	3.64	3.13	3.07	2.84	2.98	3.22	4.55	4.72	5.46
25	5.33	4.29	4.16	3.55	3.04	3.01	2.69	3.22	4.13	4.58	4.73	5.19
EOM	5.01	4.11	3.97	3.44	2.98	3.73	2.64	3.38	4.19	4.17	4.54	6.14
MAX	6.61	4.98	5.27	3.94	3.75	3.73	3.57	3.54	4.50	4.94	5.33	6.17



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254722080152201. Local Number G 3604. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°47'22", long 80°15'22", in NE ¼ SE ¼ NE ¼ sec.32, T.53 S., R.41 E., Hydrologic Unit 03090202, at north side of parking lot of Stephen Clark Building, at intersection of NW 37th Avenue and NW 17th Street, 57 ft west of sidewalk, 0.3 mi north of SR 836.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 120 ft, cased to 115 ft, screened 115 ft to 120 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

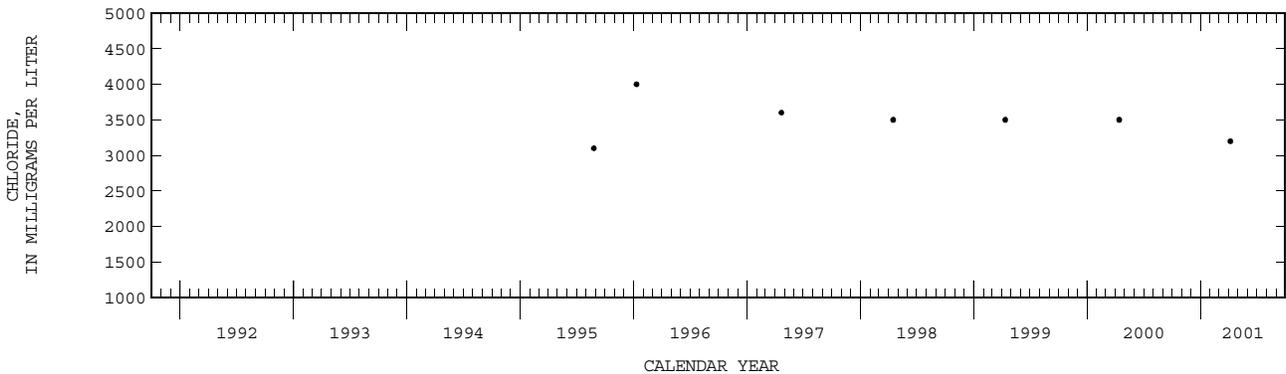
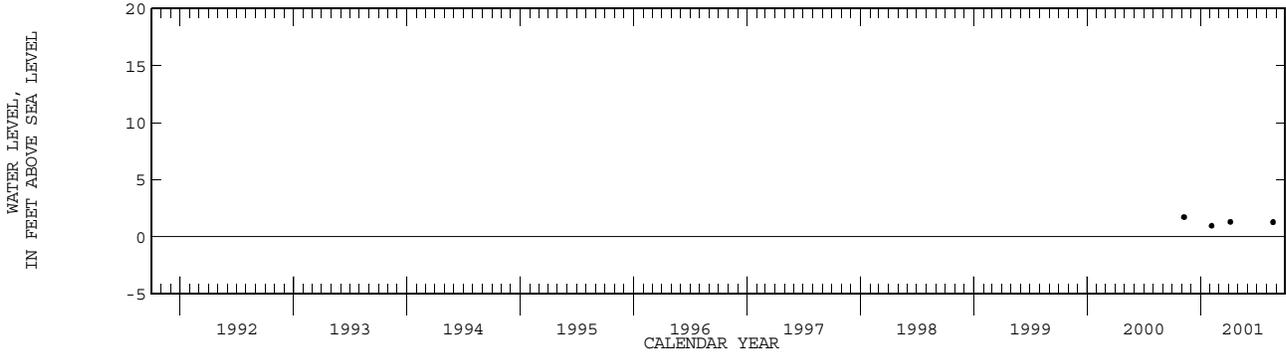
DATUM.--Land-surface datum is 5.03 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing at land-surface datum.

REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Salinity monitoring began August 1995. Water-level measurements began November 2000. PERIOD OF RECORD.--August 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.73 ft NGVD, Nov. 8, 2000; lowest, 0.96 ft NGVD, Feb. 5, 2001.

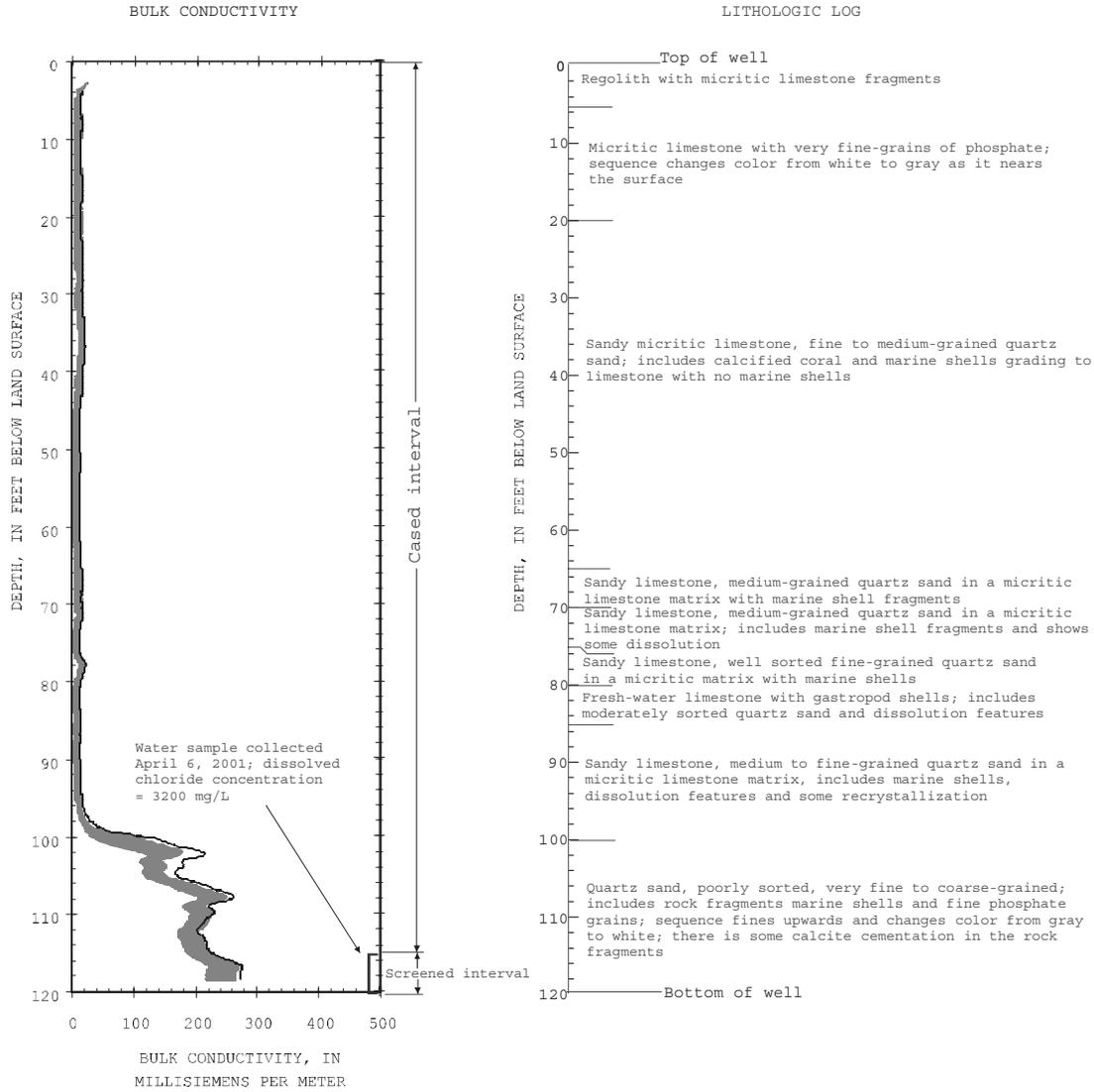
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 08...	1215	--	--	1.73	APR 06...	1317	10400	3200	1.31
FEB 05...	1126	--	--	.96	AUG 22...	0837	--	--	1.29



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254722080152201. Local Number G 3604. USGS Observation Well near Miami, FL.



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 6, 2001
- Shaded area represents range in bulk conductivity logs collected annually from May 13, 1996 to April 13, 2000.

[ Delimits the interval for which the well is open to the aquifer.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254741080162101. Local Number G 3328. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°47'41", long 80°16'21", in SE ¼ SE ¼ sec.30, T.53 S., R.41 E., Hydrologic Unit 03090202, on the south side of the access roadway to the terminals at the Miami International Airport, 0.5 mi west of Le Jeune Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 53 ft.

INSTRUMENTATION.--Electronic data logger.

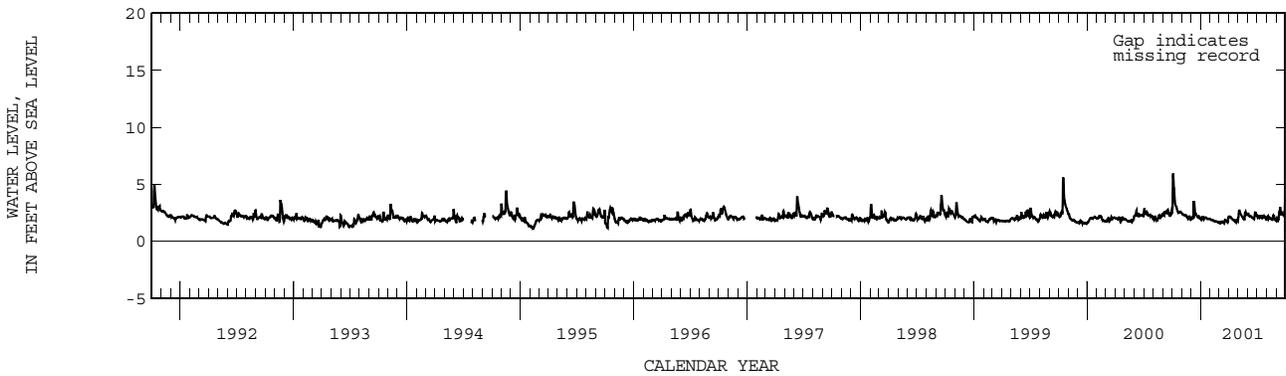
DATUM.--Land-surface datum is 8.75 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top of base, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.95 ft NGVD, Oct. 4, 2000; lowest, 1.14 ft NGVD, Feb. 10, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.38	2.36	2.14	2.12	1.87	1.68	2.16	2.66	2.28	2.14	2.12	1.91
10	3.32	2.33	3.45	1.92	1.85	1.71	2.02	2.37	2.20	2.10	2.11	2.57
15	2.92	2.27	2.47	2.10	1.75	1.62	1.90	2.13	2.10	2.25	1.98	2.76
20	2.52	2.04	2.21	2.08	1.76	1.91	1.78	1.95	1.99	2.11	2.05	2.39
25	2.58	2.19	2.21	1.96	1.71	1.77	1.82	2.58	2.60	2.20	2.13	2.33
EOM	2.51	1.94	2.00	1.96	1.65	2.16	1.74	2.32	2.32	1.90	1.84	3.55
MAX	5.95	2.46	3.45	2.15	1.93	2.16	2.20	2.77	2.60	2.29	2.30	3.63



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254752080181501. Local Number G 3329. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°47'52", long 80°18'15", in SW ¼ SW ¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, on the west side of Miami International Airport, 314 ft north of NW 25th Street, 0.5 mi east of Milam Dairy Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54.6 ft, cased to 53 ft.

INSTRUMENTATION.--Electronic data logger.

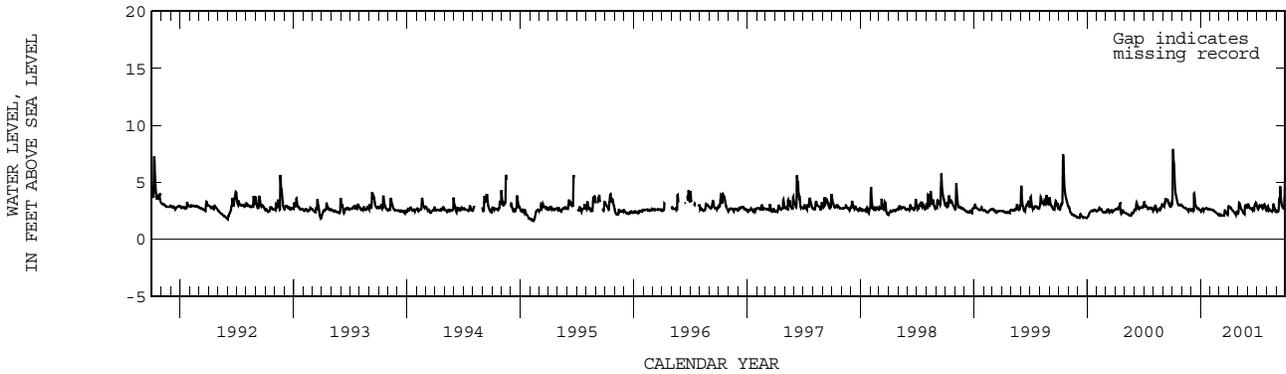
DATUM.--Land-surface datum is 6.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 3.20 ft above land-surface datum.

PERIOD OF RECORD.--January 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.86 ft NGVD, Oct. 4, 2000; lowest, 1.63 ft NGVD, Feb. 12, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.99	2.87	2.67	2.63	2.62	2.19	2.82	3.19	2.90	2.62	2.88	2.41
10	4.44	2.78	4.03	2.53	2.56	2.11	2.68	2.74	2.71	2.92	2.58	3.59
15	3.55	2.73	3.02	2.72	2.43	2.10	2.51	2.47	2.63	3.00	2.51	4.02
20	3.02	2.57	2.76	2.75	2.33	2.56	2.33	2.27	2.62	2.76	2.53	2.94
25	3.01	2.69	2.73	2.64	2.20	2.29	2.35	2.99	3.05	2.99	2.88	2.73
EOM	3.00	2.53	2.53	2.65	2.14	2.92	2.15	2.77	2.97	2.52	2.40	5.15
MAX	7.86	2.98	4.06	2.75	2.64	2.92	2.92	3.23	3.21	3.08	3.09	5.64



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254813080161501. Local Number G 1351. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°48'13", long 80°16'15", in NW ¼ SW ¼ NE ¼ sec.29, T.53 S., R.41 E., Hydrologic Unit 03090202, approximately 3 ft north of access road between canal and fence, behind the former Eastern Airlines hanger, west of Le Jeune Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 103 ft, cased to 100 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

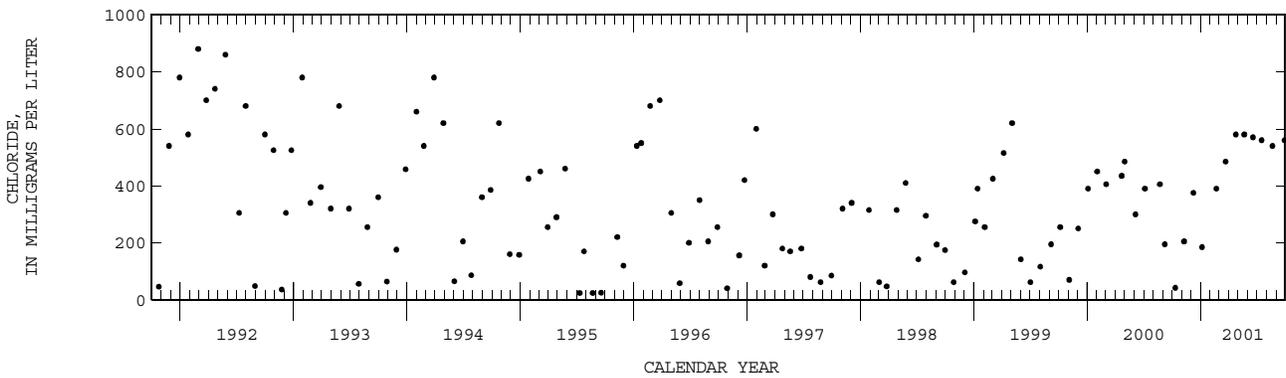
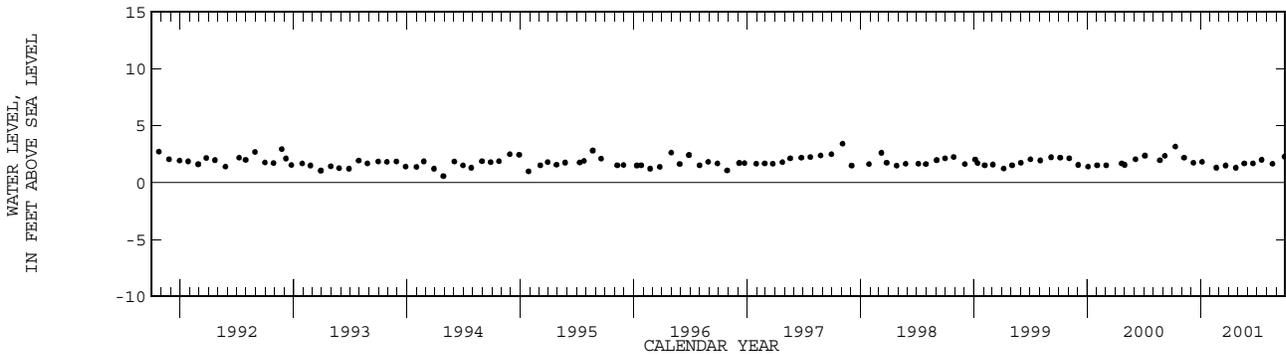
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to September 1990 (intermittent), October 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.41 ft NGVD, Nov. 4, 1997; lowest, 1.18 ft below NGVD, Oct. 7, 1986.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 11...	1703	259	42.0	3.16	APR 24...	0853	2150	580	1.30
NOV 08...	1108	824	205	2.17	MAY 21...	0956	2200	580	1.68
DEC 08...	1008	1370	375	1.73	JUN 18...	1430	1910	570	1.68
JAN 05...	1517	828	185	1.81	JUL 16...	1003	2250	560	2.00
FEB 20...	1557	1550	390	1.30	AUG 20...	1027	2100	540	1.65
MAR 22...	1100	1910	485	1.50	SEP 28...	0901	2240	560	2.28



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254822080125501. Local Number G 3704. USGS Observation Well in Miami, FL.

LOCATION.--Lat 25°48'22", long 80°12'55", in NE ¼ NW ¼ sec.26, T.53 S., R.41 E., Hydrologic Unit 03090202, in the southeast corner of the Metrorail parking lot, 36 ft north of NW 32nd Street and 55 ft west of NW 11th Place.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 112 ft, cased to 107 ft, screened 107 to 112 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 10.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

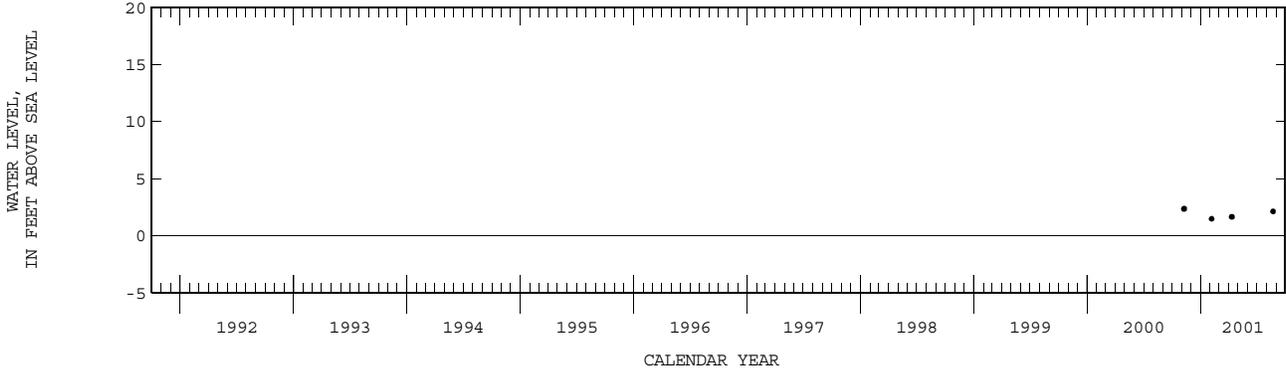
REMARKS.--Well is also logged annually using an induction probe. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of the book. Induction logging began April 2000. Water-level measurements began November 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.36 ft NGVD, Nov. 8, 2000; lowest, 1.47 ft NGVD, Feb. 5, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

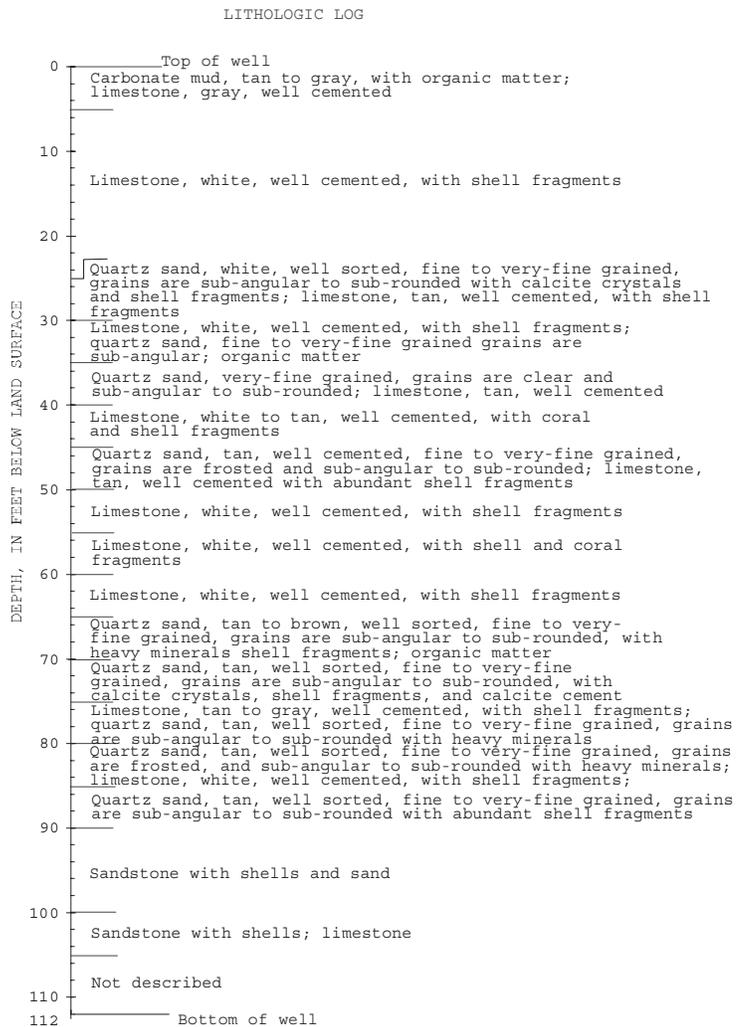
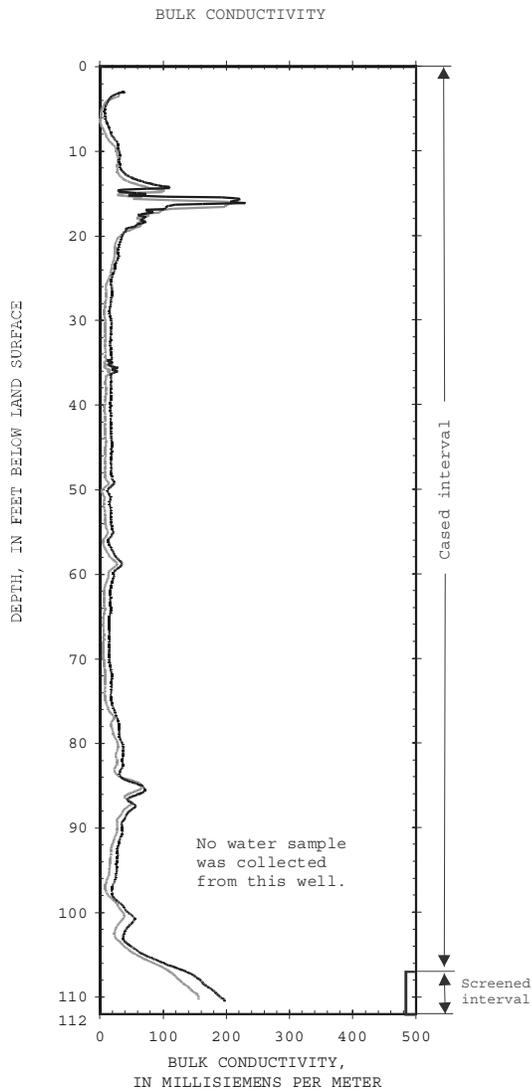
DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 08...	0853	2.36	APR 11...	0915	1.65
FEB 05...	1157	1.47	AUG 22...	0901	2.13



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254822080125501. Local Number G 3704. USGS Observation Well in Miami, FL.



Compiled and modified from the original lithologic description of Hydrologic Associates USA Inc., Miami, FL.

EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 11, 2001
- ▨ Shaded line represents bulk conductivity in millisiemens per meter, April 18, 2000.

[ Delimits the interval for which the well is open to the aquifer

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254823080163701. Local Number G 3327. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°48'23", long 80°16'37", in NW ¼ NE ¼ sec.30, T.53 S., R.41 E., Hydrologic Unit 03090202, in the former Pan Am International Flight Academy parking lot, 0.2 mi south of NW 36th Street, 1.3 mi west of Le Jeune Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54.0 ft, cased to 53 ft.

INSTRUMENTATION.--Electronic data logger.

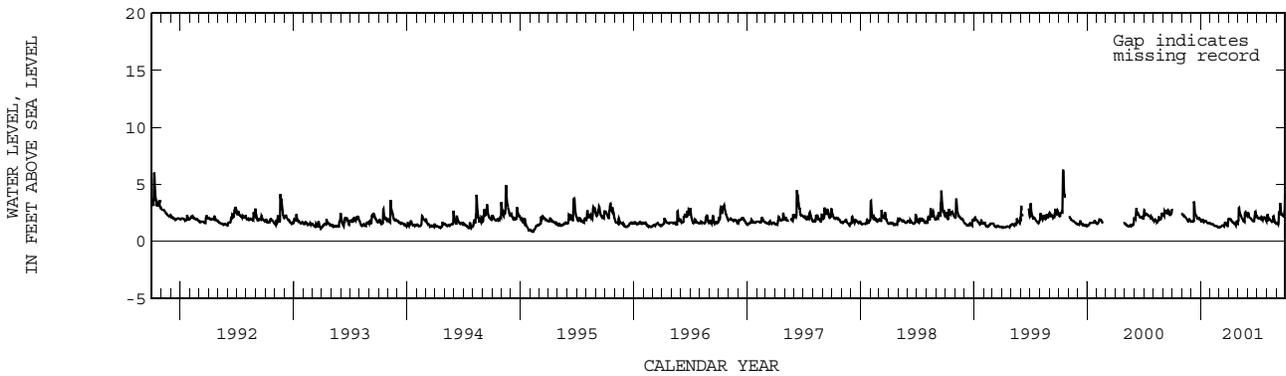
DATUM.--Land-surface datum is 7.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--May 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.30 ft NGVD, Oct. 15, 1999; lowest, 0.85 ft NGVD, Feb. 10, 11, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.32	1.78	1.86	1.51	1.30	1.97	2.70	2.26	2.03	2.18	1.54
10	---	2.18	3.49	1.69	1.48	1.38	1.79	2.25	2.03	2.02	1.96	2.64
15	---	2.04	2.36	1.80	1.36	1.35	1.65	1.97	1.88	2.16	1.80	2.90
20	---	1.82	2.06	1.75	1.36	1.67	1.57	1.73	1.77	2.02	1.74	2.37
25	---	1.94	2.09	1.60	1.31	1.47	1.64	2.57	2.61	2.09	1.97	2.19
EOM	2.48	1.74	1.88	1.60	1.26	2.00	1.54	2.18	2.28	1.78	1.58	3.73
MAX	2.73	2.43	3.49	1.90	1.57	2.00	2.00	2.98	2.61	2.26	2.33	4.19



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254823080175201. Local Number G 3465. USGS Observation Well near Virginia Gardens, FL.

LOCATION.--Lat 25°48'23", long 80°17'52", in SE ¼ NW ¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, on the north side of the USDA parking lot on NW 62nd Avenue, 600 ft south of NW 36th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 28.8 ft, cased to 28.8 ft.

INSTRUMENTATION.--Satellite data collection platform.

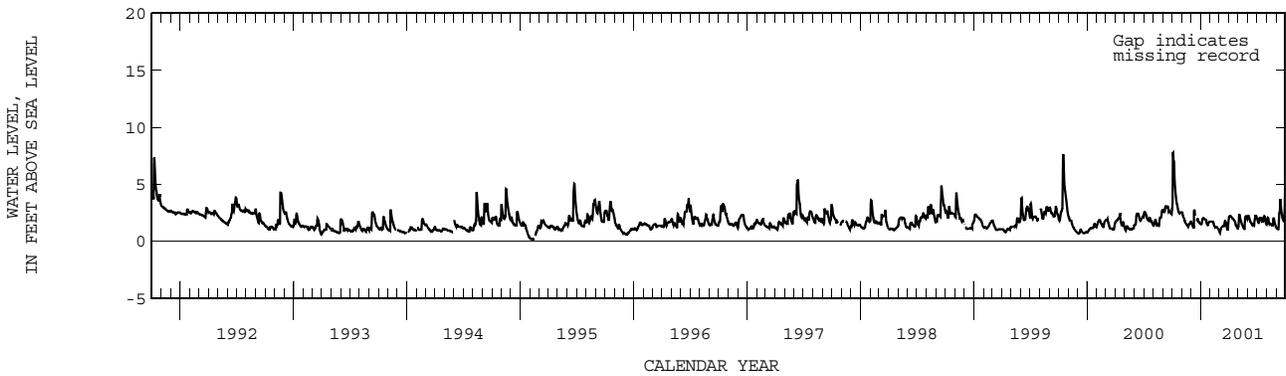
DATUM.--Land-surface datum is 7.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.01 ft above land-surface datum.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.79 ft NGVD, Oct. 4, 2000; lowest, 0.18 ft NGVD, Feb. 12, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.17	2.20	1.38	1.82	1.74	.93	2.24	2.33	2.10	1.68	2.07	1.09
10	4.71	1.79	2.63	2.05	1.69	1.27	2.15	1.73	1.71	2.05	1.51	2.50
15	3.37	1.56	---	1.91	1.29	1.36	1.98	1.39	1.44	2.06	1.53	3.45
20	2.67	1.35	1.86	1.61	1.28	1.79	1.83	1.13	1.43	1.73	1.40	2.20
25	2.47	1.56	1.71	1.55	1.13	1.28	1.36	2.16	2.13	2.20	1.88	1.76
EOM	2.56	1.74	1.55	1.75	1.07	1.89	1.08	1.97	2.10	1.48	1.26	4.47
MAX	7.79	2.56	2.73	2.05	1.75	1.89	2.24	2.33	2.26	2.22	2.07	4.63



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254830080284201. Local Number G 1488. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°49'07", long 80°28'57", in SW ¼ SW ¼ sec.30, T.53 S., R.39 E., Hydrologic Unit 03090202, 20 ft east of SR 997 (Krome Avenue), 4 mi north of US 41, and 13.0 mi west of Miami.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 7.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.55 ft above land-surface datum. Prior to January 3, 2001, top of base was 2.50 ft above land-surface datum.

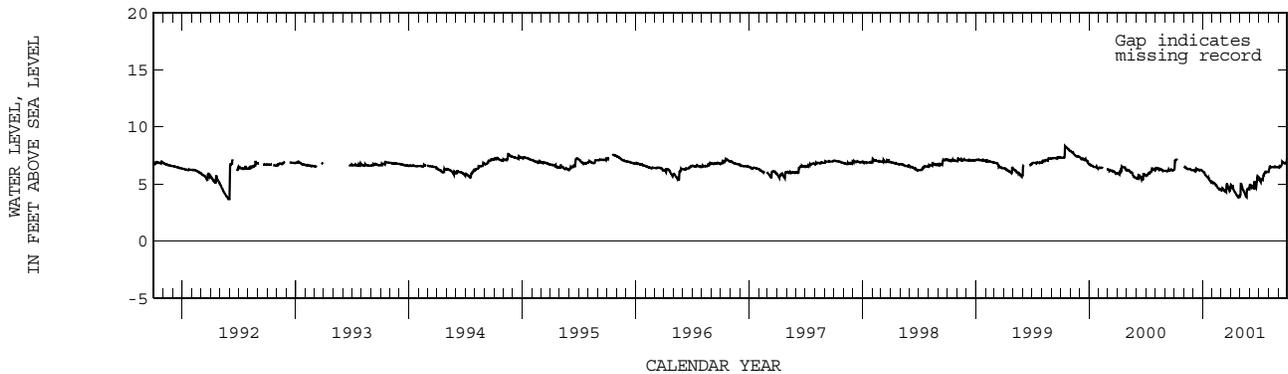
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--May 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.33 ft NGVD, Oct. 15, 1999; lowest, 2.74 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.10	6.51	6.17	6.02	5.14	4.65	4.71	4.93	4.83	5.28	6.60	6.55
10	7.14	6.38	6.31	5.77	4.99	4.47	4.56	4.52	4.86	5.35	6.47	6.59
15	---	6.32	6.28	5.61	4.82	4.35	4.28	4.24	4.59	5.75	6.50	6.95
20	---	6.33	6.22	5.52	4.60	5.00	4.05	3.93	4.73	5.98	6.46	6.85
25	---	6.23	6.24	5.28	4.54	4.56	3.88	4.45	5.59	6.07	6.50	6.80
EOM	---	6.22	6.14	5.15	4.48	4.75	3.87	4.56	5.60	6.05	6.47	7.29
MAX	7.15	6.54	6.37	6.10	5.14	5.00	4.94	5.01	5.63	6.08	6.60	7.33



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254832080175001. Local Number S 19. USGS Observation Well in Virginia Gardens, FL.

LOCATION.--Lat 25°48'32", long 80°17'50", in NW ¼ NE ¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, at intersection of NW 62nd Avenue and NW 39th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 95 ft, cased to 91 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 7.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.20 ft above land-surface datum.

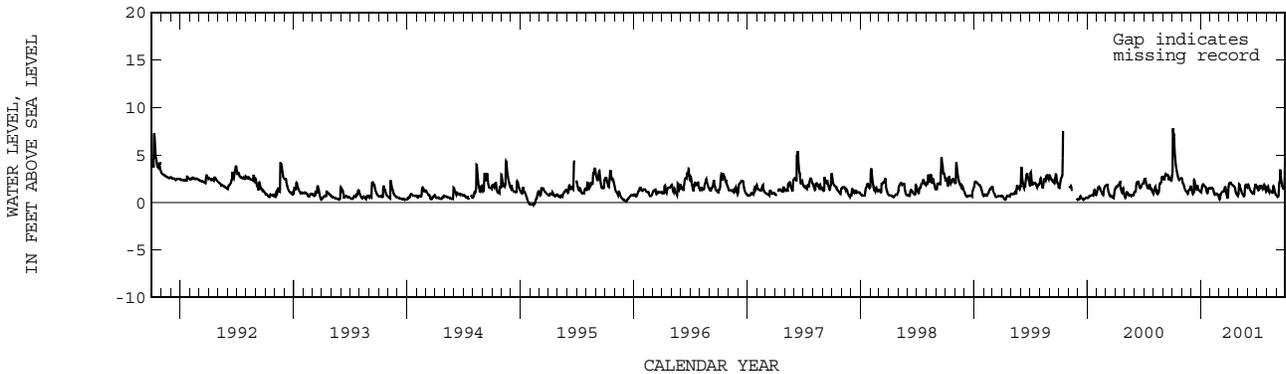
REMARKS.--Water levels affected by pumping. Records of water levels prior to January 1957 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.74 ft NGVD, Oct. 3, 4, 2000; lowest, 1.44 ft below NGVD, June 18-21, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.10	2.01	.97	1.71	1.52	.68	2.10	1.91	1.64	1.31	1.66	.64
10	4.70	1.50	2.32	1.86	1.34	1.08	1.96	1.29	1.27	1.73	1.11	2.11
15	3.33	1.21	1.66	1.66	.83	1.20	1.80	.90	1.01	1.72	1.18	3.08
20	2.58	.94	1.72	1.15	.95	1.63	1.64	.66	1.02	1.42	1.04	1.78
25	2.45	1.36	1.36	1.33	.80	.78	.95	1.84	1.80	1.83	1.47	1.42
EOM	2.54	1.69	1.14	1.53	.61	1.70	.70	1.60	1.68	1.19	.82	4.06
MAX	7.74	2.54	2.40	1.92	1.53	1.70	2.10	1.92	1.89	1.89	1.73	4.31



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254833080155801. Local Number G 1354. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'33", long 80°15'58", SW ¼ SE ¼ SE ¼ sec.20, T.53 S., R.41 E., Hydrologic Unit 03090202, on west side of Coolidge Drive 400 ft south of South Royal Poinciana Boulevard, in concrete meter box in line with the fourth bank teller driveway from the north.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 104 ft, cased to 91 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.61 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

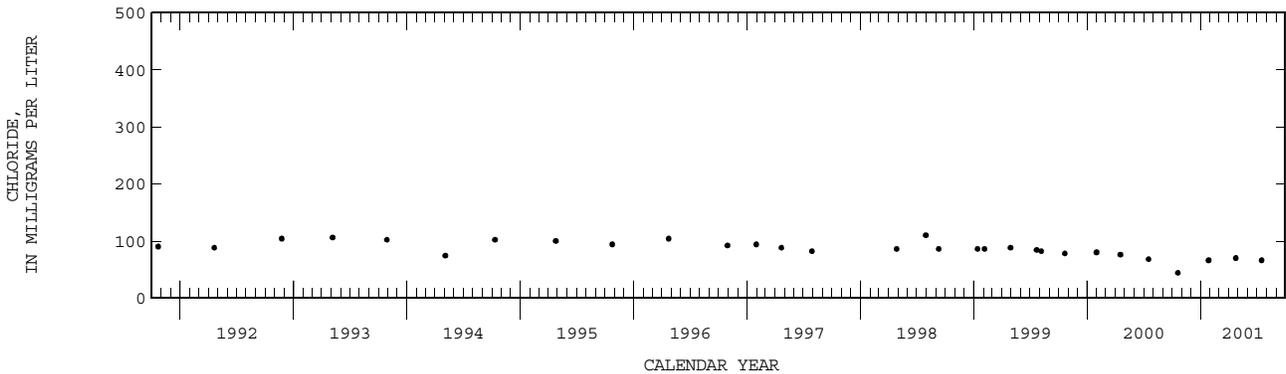
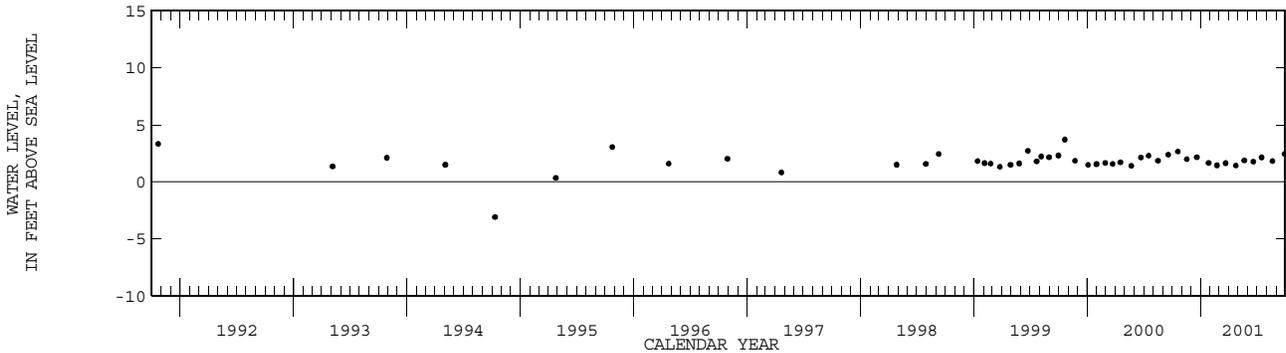
REMARKS.--Well also used for salinity monitoring. Because of an error on site maps, G1354 was confused with another well. As a result, the figures of water levels as elevation in feet NGVD and water-quality data from October 1994 to September 1997 are in error. Corrected data are in files of the Geological Survey.

PERIOD OF RECORD.--May 1976 to July 1997 (semiannual), April 1998 to current year. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.69 ft NGVD, Oct. 21, 1999; lowest, 3.11 ft below NGVD, Oct. 11, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 19...	1350	611	44.0	2.64	APR 24...	0948	594	70.0	1.42
NOV 17...	0904	--	--	1.97	MAY 21...	1048	--	--	1.86
DEC 19...	0845	--	--	2.14	JUN 19...	0938	--	--	1.76
JAN 26...	0833	596	66.0	1.64	JUL 16...	0845	612	66.0	2.13
FEB 22...	0958	--	--	1.43	AUG 20...	1119	--	--	1.80
MAR 22...	0909	--	--	1.63	SEP 28...	0925	--	--	2.43



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254834080171601. Local Number G 3466. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'34", long 80°17'16", in SW ¼ SW ¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, located 0.25 mi north of Fairway Drive on the east side of Eldron Drive, on the north side of the parking lot at Miami Springs Golf Course.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19.5 ft, cased to 19.5 ft.

INSTRUMENTATION.--Electronic data logger.

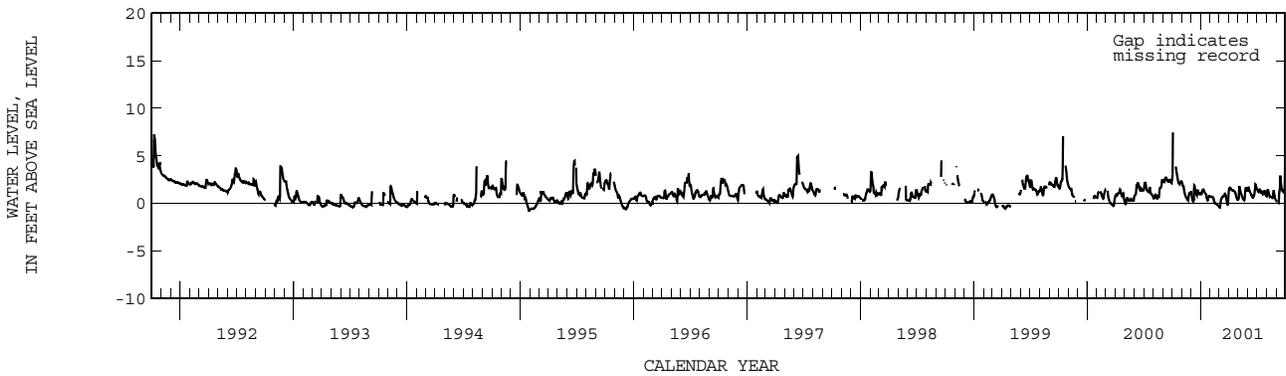
DATUM.--Land-surface datum is 7.63 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.46 ft NGVD, Oct. 3, 2000; lowest, 0.74 ft below NGVD, Jan. 30, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	1.83	.31	1.29	.69	-.07	1.67	1.75	1.48	1.24	1.47	---
10	---	1.07	1.38	1.38	.60	.62	1.46	1.03	1.10	1.47	.77	1.19
15	3.18	.65	1.26	1.05	.06	.78	1.37	.61	.74	1.29	.71	2.59
20	2.27	.34	1.23	.59	-.05	1.04	1.24	.36	.82	1.01	.58	1.36
25	2.13	1.06	1.10	.62	-.23	.24	.76	1.57	1.89	1.31	1.00	1.19
EOM	2.26	1.21	1.10	.74	-.30	1.12	.31	1.33	1.60	.77	.34	3.76
MAX	7.46	2.26	1.90	1.46	.74	1.12	1.67	1.75	2.00	1.55	1.47	3.81



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254839080162301. Local Number G 3467. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'39", long 80°16'23", in SW ¼ SW ¼ sec.20, T.53 S., R.41 E., Hydrologic Unit 03090202, at East Drive Park, 0.10 mi south of Labaron Drive on East Drive. Located on east side of street next to the parking lot.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 27.5 ft, cased to 27.5 ft.

INSTRUMENTATION.--Electronic data logger.

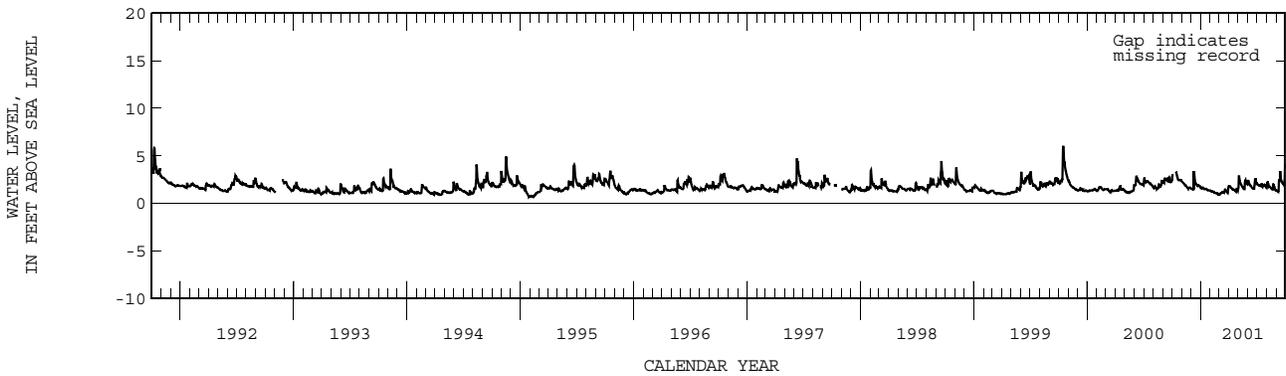
DATUM.--Land-surface datum is 2.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.01 ft above land-surface datum.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.95 ft NGVD, Oct. 15, 16, 1999; lowest, 0.68 ft NGVD, Feb. 11, 12, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.17	1.51	1.64	1.26	1.03	1.78	2.58	2.11	1.93	2.09	1.27
10	---	2.00	3.25	1.53	1.24	1.18	1.60	2.05	1.86	1.89	1.81	2.53
15	3.04	1.81	2.17	1.55	1.12	1.16	1.46	1.72	1.64	2.03	1.62	2.84
20	2.48	1.61	1.89	1.49	1.08	1.47	1.40	1.51	1.55	1.87	1.49	2.22
25	2.45	1.69	1.91	1.37	1.03	1.25	1.44	2.43	2.54	1.95	1.79	2.01
EOM	2.37	1.56	1.69	1.37	.96	1.80	1.33	2.00	2.17	1.65	1.38	3.67
MAX	3.36	2.32	3.25	1.66	1.35	1.80	1.81	2.86	2.54	2.16	2.21	4.14



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254841080164401. Local Number G 571. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'41", long 80°16'44", in SE ¼ NW ¼ SE ¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, at northeast corner of intersection of Labaron and De Leon Drive, 60 ft north of Labaron Drive and 20 ft east of De Leon Drive. AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 94.5 ft, cased to 94.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

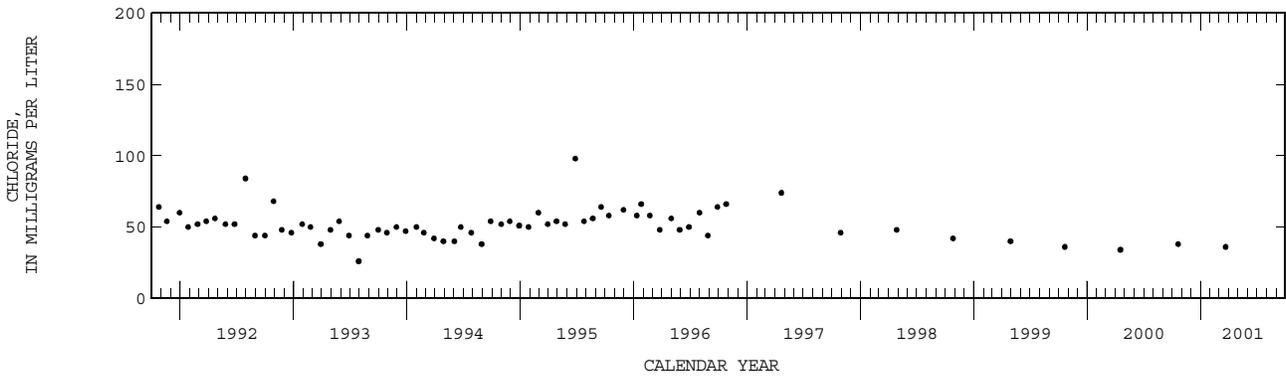
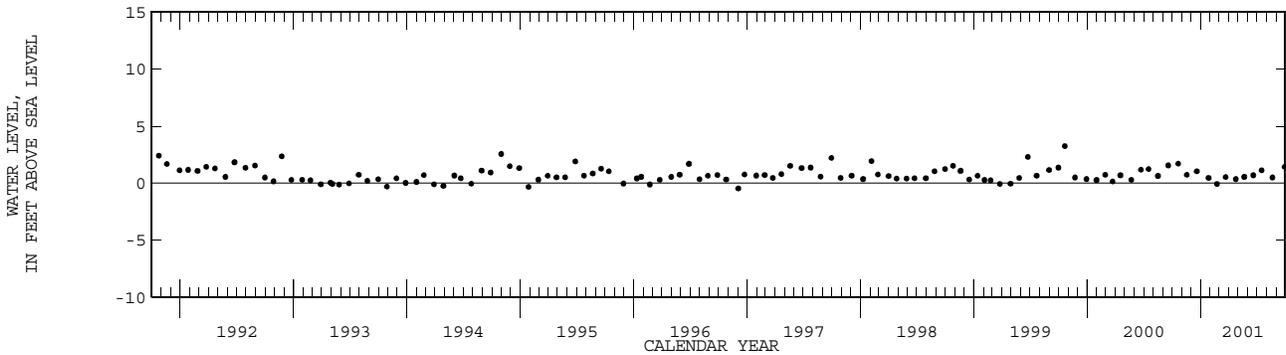
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to September 1990 (intermittent), October 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.24 ft NGVD, Oct. 21, 1999; lowest, 1.00 ft below NGVD, May 16, 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 20...	0920	492	38.0	1.70	APR 24...	1100	--	--	.34
NOV 17...	1000	--	--	.72	MAY 21...	1125	--	--	.54
DEC 19...	0945	--	--	1.02	JUN 19...	1030	--	--	.68
JAN 26...	0932	--	--	.45	JUL 16...	0937	--	--	1.12
FEB 22...	1055	--	--	-0.08	AUG 20...	1201	--	--	.48
MAR 22...	1005	490	36.0	.52	SEP 28...	1007	--	--	1.42



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254855080163701. Local Number G 548. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'55", long 80°16'37", in NE ¼ SE ¼ SW ¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, at the northwest corner of intersection of Pinecrest Drive and La Villa Drive, 58 ft west of center of La Villa Drive and 30 ft north of center of Pinecrest Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 97.3 ft, cased to 91.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

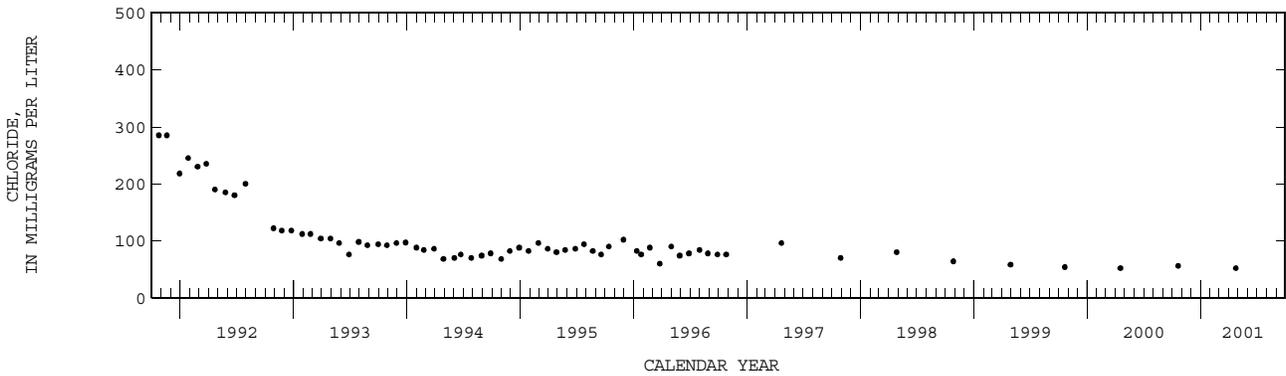
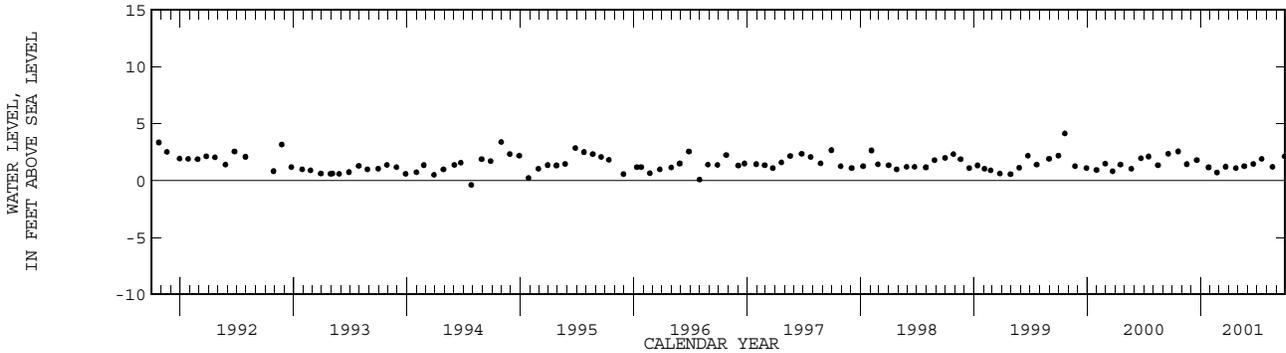
REMARKS.--Well also used for salinity monitoring.

PERIOD OF RECORD.--October 1975 to September 1990 (intermittent), October 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.13 ft NGVD, Oct. 21, 1999; lowest, 0.08 ft below NGVD, July 27, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 20...	0900	547	56.0	2.56	APR 24...	1046	535	52.0	1.09
NOV 17...	1010	--	--	1.44	MAY 21...	1132	--	--	1.26
DEC 19...	0939	--	--	1.80	JUN 19...	1035	--	--	1.45
JAN 26...	0926	--	--	1.16	JUL 16...	0942	--	--	1.90
FEB 22...	1049	--	--	.71	AUG 20...	1205	--	--	1.20
MAR 22...	0956	--	--	1.22	SEP 28...	1013	--	--	2.12



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254857080171101. Local Number S 68. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'57", long 80°17'11", in NW ¼ SW ¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, in center median of Curtis Parkway, 75 ft northeast of Deer Run.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 61 ft, cased to 51 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.23 ft above land-surface datum.

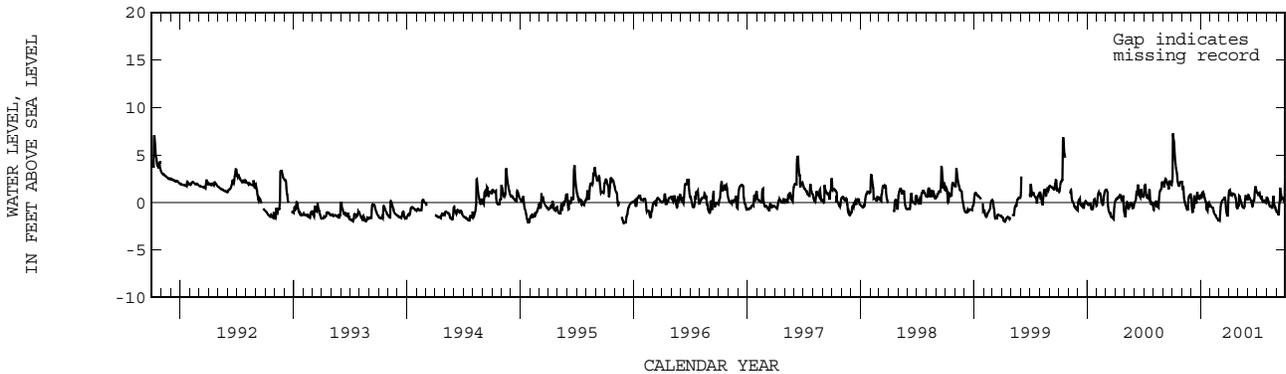
REMARKS.--Water levels affected by pumping. Records of water levels prior to January 1957 are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.18 ft NGVD, Oct. 3, 4, 2000; lowest, 4.39 ft below NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.69	1.65	-1.03	.96	-.49	-.81	1.12	.71	.61	.84	.39	-1.09
10	4.50	.08	.35	.71	-.74	.12	.79	.07	.32	.86	-.28	-.18
15	3.20	-.48	.18	.19	-1.26	.34	.94	-.43	-.38	.62	-.41	1.34
20	1.93	-.85	.95	-.75	-1.56	.43	.81	-.53	.22	.09	-.20	.42
25	2.03	.71	.46	-.10	-1.77	-1.14	-.09	.68	1.64	.22	-.17	.29
EOM	2.15	.56	.75	-.16	-1.83	.73	-.25	.48	1.15	.43	-.68	2.51
MAX	7.18	2.15	1.10	1.08	-.37	.73	1.32	.72	1.71	1.09	.69	2.53



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254917080143301. Local Number G 3564. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°49'17", long 80°14'33", in SE ¼ NE ¼ NE ¼ sec.21, T.53 S., R.41 E., Hydrologic Unit 03090202, in Metrorail station parking lot at NW 52nd Street and NW 29th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.8 ft, cased to 13.8 ft, open hole 13.8 to 18.8 ft.

INSTRUMENTATION.--Electronic data logger.

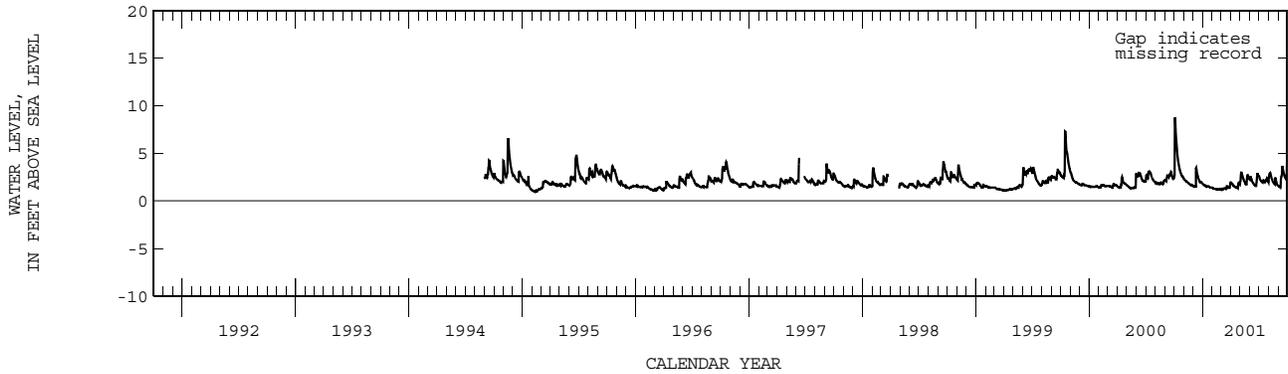
DATUM.--Land-surface datum is 10.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.68 ft above land-surface datum.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.71 ft NGVD, Oct. 3, 4, 2000; lowest, 0.96 ft NGVD, Feb. 11, 12, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.64	2.18	1.54	1.67	1.30	1.29	1.82	2.98	2.40	2.27	2.93	1.49
10	5.17	2.05	3.42	1.59	1.28	1.32	1.60	2.44	1.98	2.02	2.46	2.51
15	3.84	1.90	2.69	1.54	1.23	1.28	1.49	2.01	1.75	2.18	2.04	3.59
20	3.07	1.76	2.18	1.53	1.26	1.56	1.41	1.77	1.60	1.94	1.78	2.77
25	2.68	1.71	2.02	1.42	1.24	1.44	1.78	2.72	2.75	2.20	2.06	2.38
EOM	2.40	1.59	1.83	1.42	1.22	1.94	1.71	2.29	2.65	1.99	1.61	4.31
MAX	8.71	2.36	3.48	1.79	1.40	1.94	1.97	2.98	2.79	2.61	2.95	4.32



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254940080172001. Local Number G 1282. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°49'40", long 80°17'20", SW ¼ NW ¼ SW ¼ sec.18, T.53 S., R.41 E., Hydrologic Unit 03090202, 100 ft south of Miami Canal, in green meter box 13 ft northeast of the guard rail on the northern side of North Royal Poinciana Boulevard, across from Rio Vista Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 56.8 ft, cased to 36.8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum. Prior to March 24, 1997 top of casing was 3.90 ft above land-surface datum. From September 1990 to September 1996 top of casing was considered to be 3.01 ft above land-surface datum. See REMARKS.

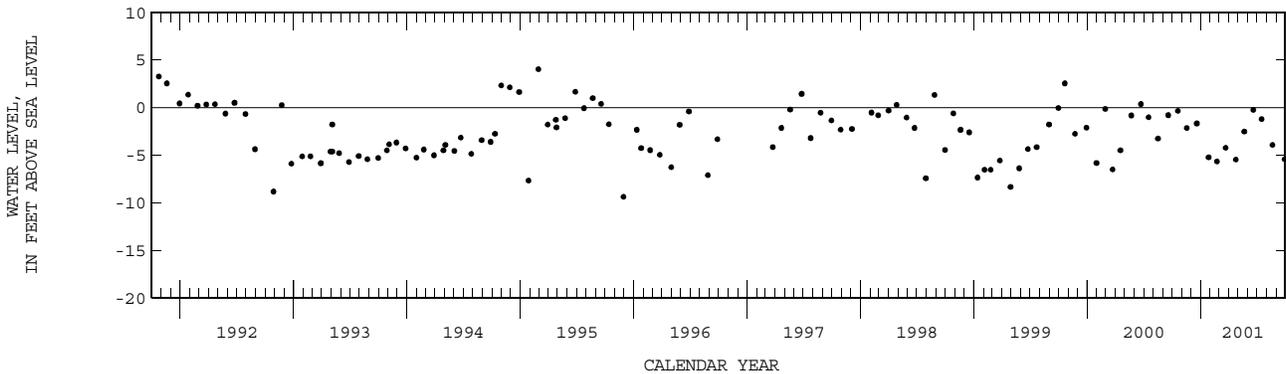
REMARKS.--Data collected at this site was published under well ID 254940080172002 (G-1283) from September 1990 to September 1996. The published figures of water levels as elevation, in feet NGVD, for this period, are in error. Corrected figures are in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1966 to June 1984 (daily), October 1984 to May 1985 (semiannual), September 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.55 ft NGVD, May 29, 1984 and Sept. 12, 1971; lowest, 13.31 ft below NGVD, May 10, 1983.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
19...	1505	-0.35	24...	1034	-5.46
NOV			MAY		
17...	0940	-2.14	21...	1101	-2.52
DEC			JUN		
19...	0923	-1.66	19...	1002	-0.23
JAN			JUL		
26...	0913	-5.23	16...	0911	-1.20
FEB			AUG		
22...	1035	-5.67	20...	1152	-3.93
MAR			SEP		
22...	0944	-4.22	28...	0940	-5.44



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254943080121501. Local Number F 45. USGS Observation Well in Miami, FL.

LOCATION.--Lat 25°49'43", long 80°12'15", in NE ¼ SW ¼ sec.13, T.53 S., R.41 E., Hydrologic Unit 03090202, at corner of NW 58th Street and NW 5th Avenue in Miami, 1.3 mi west of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 84.9 ft.

REVISED RECORDS.--WDR FL-85-2B:1984.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.27 ft above land-surface datum. Prior to August 4, 2000, top of base was 3.00 ft above land-surface datum.

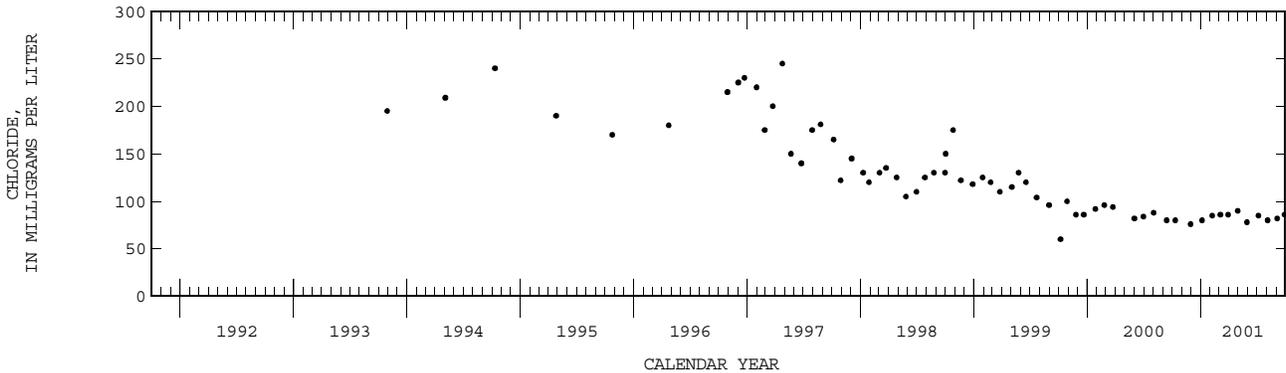
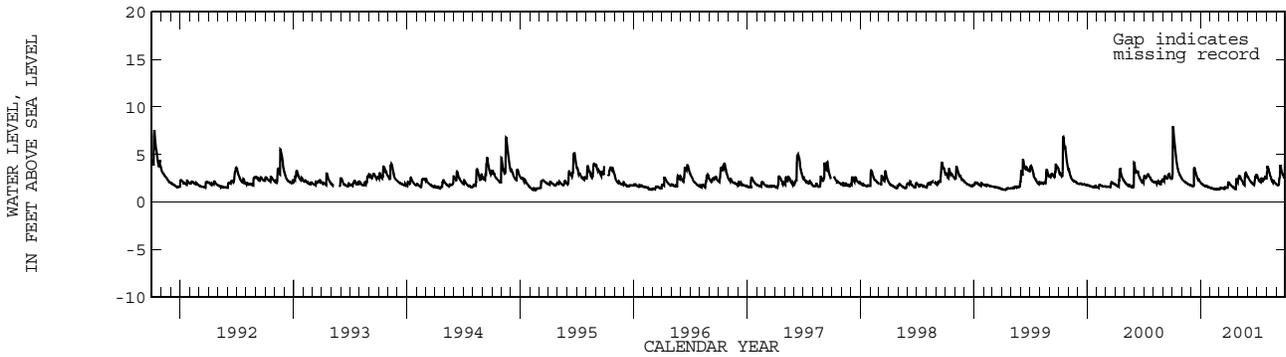
REMARKS.--The station was reconstructed August 4, 2000. Well is also used for salinity monitoring. Records of water levels prior to October 1973 are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--September 1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.10 ft NGVD, Sept. 10, 24, 1960; lowest, 1.10 ft NGVD, Apr. 14, 15, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.52	2.31	1.67	1.90	1.47	1.52	1.89	2.76	2.47	2.49	3.64	1.78
10	5.56	2.15	3.47	1.77	1.42	1.44	1.70	2.46	2.19	2.18	3.09	2.44
15	4.15	2.04	3.16	1.69	1.37	1.45	1.59	2.17	2.01	2.51	2.59	3.78
20	3.30	1.92	2.61	1.71	1.36	1.57	1.42	1.86	1.83	2.21	2.13	3.07
25	2.86	1.86	2.41	1.59	1.39	1.51	2.42	3.09	2.49	2.47	2.19	2.69
EOM	2.54	1.76	2.08	1.52	1.36	2.07	2.10	2.66	2.87	2.38	1.91	4.41
MAX	8.00	2.50	3.60	2.05	1.52	2.07	2.42	3.10	2.87	2.84	3.66	4.41



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254946080172601. Local Number G 3250. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°49'46", long 80°17'26", in NE ¼ SE ¼ SE ¼ sec.13, T.53 S., R.40 E., Hydrologic Unit 03090202, approximately 20 ft west of the intersection of Dove Avenue and North Royal Poinciana Boulevard and 3 ft east of Miami Canal. AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 116 ft, cased to 106 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum 5.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

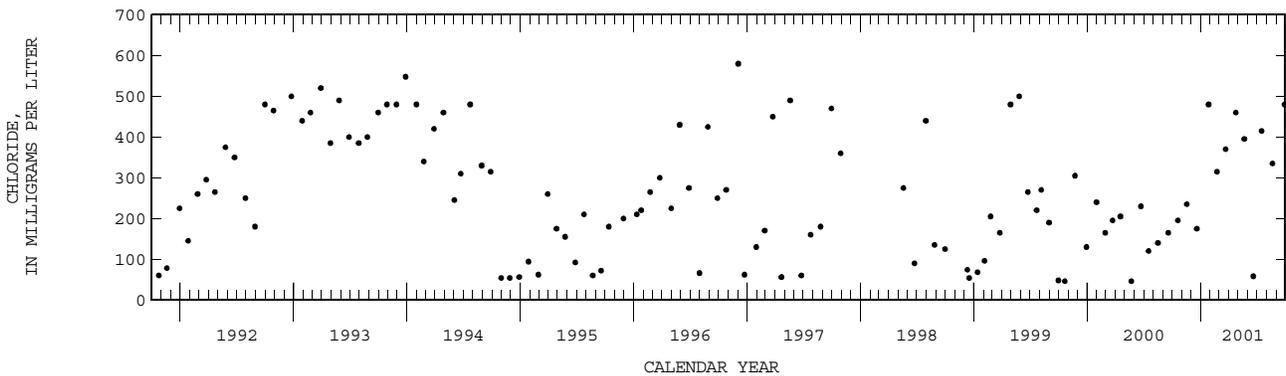
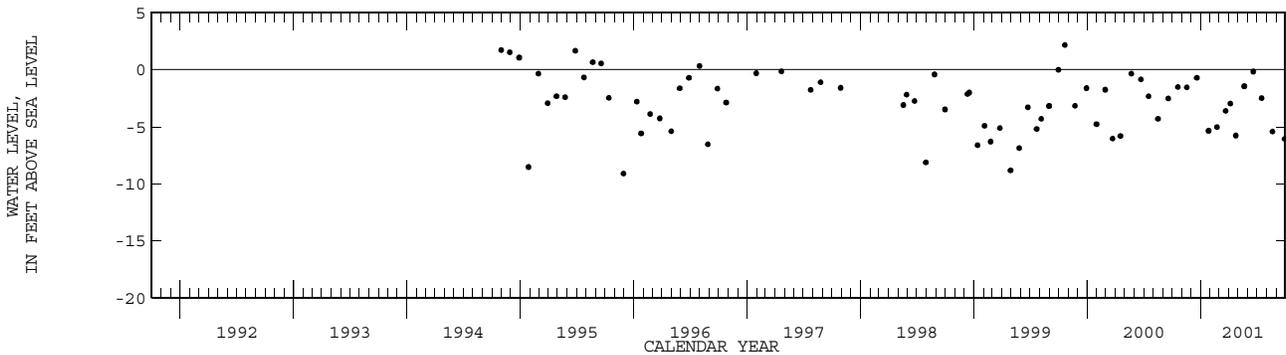
REMARKS.--Well also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

PERIOD OF RECORD.--August 1981 to September 1994 (intermittent), October 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.16 ft NGVD, Oct. 21, 1999; lowest, 9.12 ft below NGVD, Nov. 29, 1995.

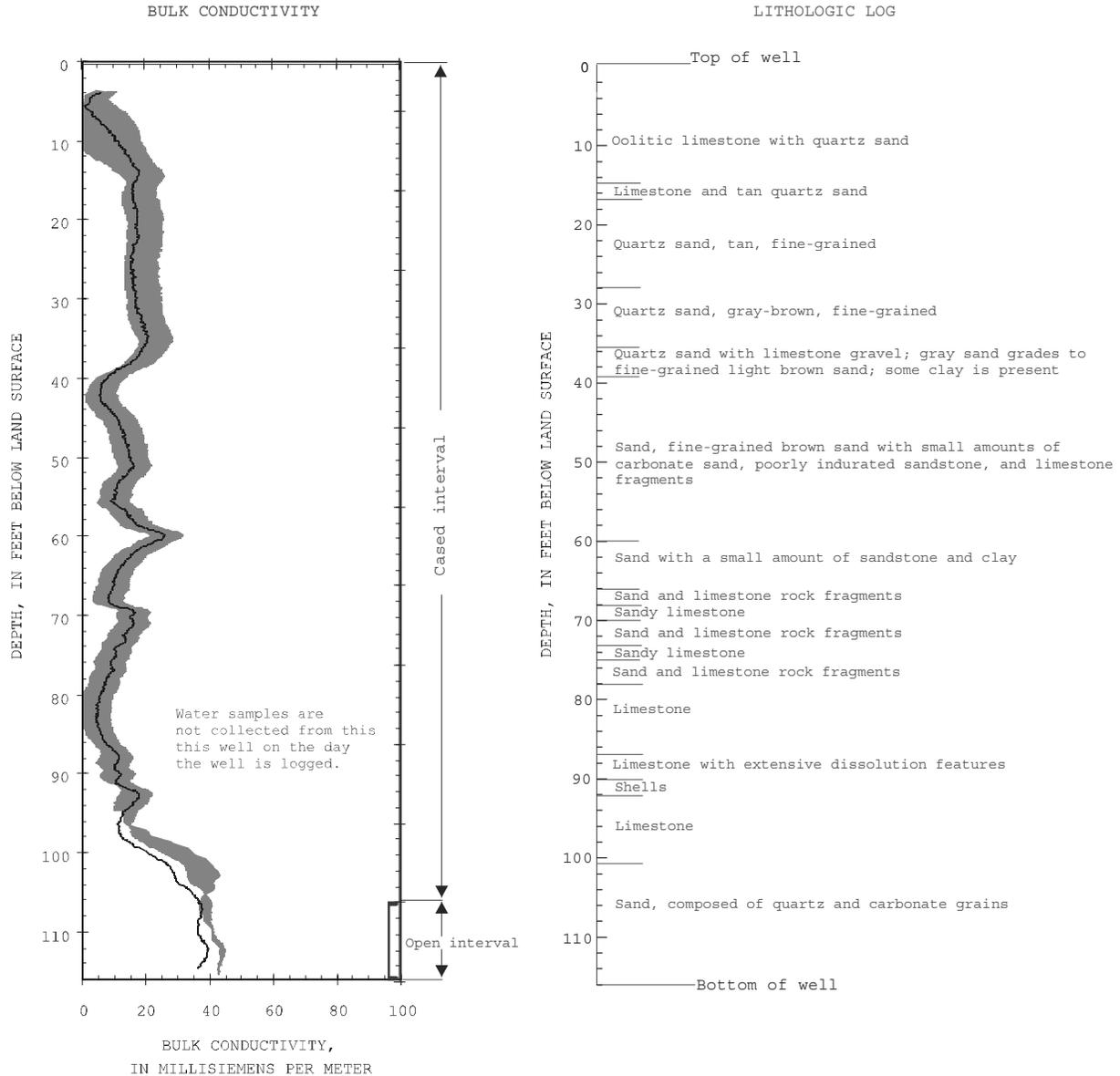
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 19...	1424	1100	195	-1.52	APR 06...	1240	--	--	-2.97
NOV 17...	0918	1220	235	-1.56	NOV 24...	1000	2060	460	-5.78
DEC 19...	0900	1000	175	-0.72	MAY 21...	1106	1940	395	-1.45
JAN 26...	0853	2130	480	-5.36	JUN 19...	1007	496	58.0	-0.17
FEB 22...	1017	1570	315	-5.04	JUL 16...	0919	1970	415	-2.49
MAR 22...	0924	1700	370	-3.62	AUG 20...	1130	1700	335	-5.43
					SEP 28...	0948	2190	480	-6.07



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254946080172601. Local Number G 3250. USGS Observation Well in Miami Springs, FL.



EXPLANATION

— Bulk conductivity, in millisiemens per meter, April 13, 2001

Shaded area represents range in bulk conductivity logs collected annually from April 21, 1997 to April 13, 2000

[ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254950080171202. Local Number G 1368A. USGS Observation Well in Hialeah, FL.

LOCATION.--Lat 25°49'50", long 80°17'12", in SW ¼ NW ¼ sec.18, T.53 S., R.41 E., Hydrologic Unit 03090202, near West 2nd Avenue, 0.3 mi east of Red Road.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 39 ft, cased to 38.4 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.29 ft above land-surface datum.

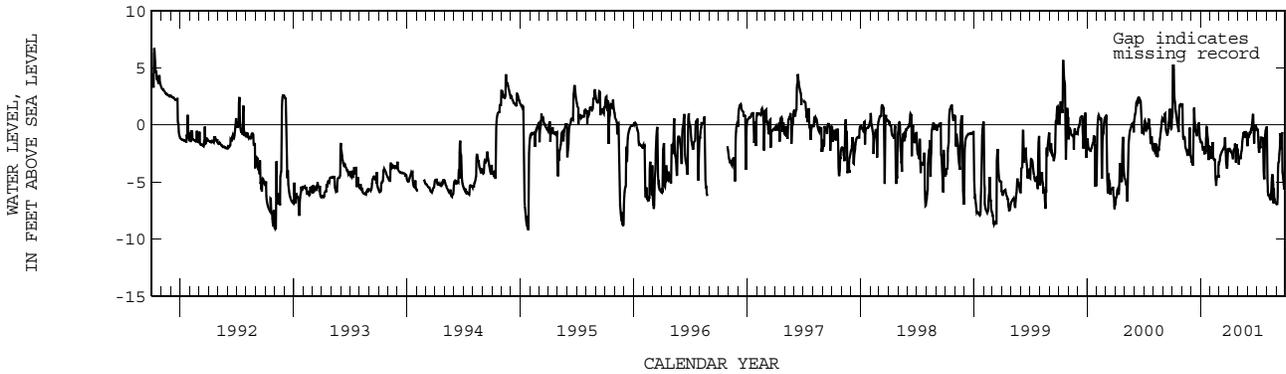
REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--April 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.75 ft NGVD, Oct. 9, 1991; lowest, 14.01 ft below NGVD, Apr. 28, 29, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.57	-.97	-3.19	-1.68	-2.46	-2.69	-2.14	-2.87	-1.02	-1.15	-5.81	-6.33
10	1.92	-1.08	1.35	-2.08	-2.91	-2.33	-2.42	-2.56	-.69	-1.79	-6.27	-2.59
15	.54	-2.20	-.45	-2.33	-3.07	-2.12	-2.93	-1.22	.21	-1.09	-5.95	-.85
20	-.34	-2.24	-1.00	-.18	-4.75	-1.08	-2.18	-.67	-1.01	-1.16	-4.35	-.63
25	1.78	-.63	.14	-2.45	-4.50	-3.70	-2.30	-.66	-.10	-2.44	-6.34	-5.22
EOM	1.71	-2.88	-1.37	-1.93	-3.34	-2.20	-2.47	-1.87	-.38	-.27	-6.86	-3.16
MAX	6.65	1.86	1.53	-.18	-1.53	-1.08	-1.64	-.64	.95	-.27	-.13	-.63



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254950080180801. Local Number G 3. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°49'50", long 80°18'08", in NE ¼ SW ¼ sec.13, T.53 S., R.40 E., Hydrologic Unit 03090202, at northwest corner of Hammond Drive and Ibis Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder base, 2.20 ft above land-surface datum.

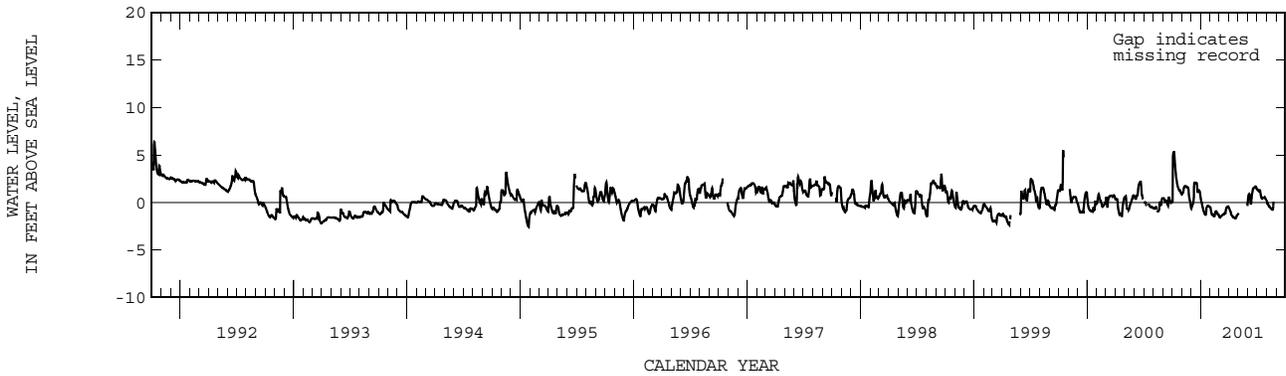
REMARKS.--Water levels affected by pumping. Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--February 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.68 ft NGVD, Oct. 11, 1947; lowest, 3.77 ft below NGVD, Apr. 14, 1978.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.11	1.07	-.23	-.27	-1.21	-1.60	-.86	---	.90	1.30	-.14	---
10	3.83	1.69	1.55	-.96	-1.31	-1.35	-1.26	---	-.01	1.28	-.37	---
15	2.29	1.71	2.09	-1.27	-1.19	-1.22	-1.50	---	.98	.50	-.61	---
20	1.54	1.60	1.77	-.53	-.93	-1.13	-1.61	---	1.57	.53	-.76	---
25	1.28	.43	1.29	-.38	-1.24	-.53	-1.57	---	1.70	.48	---	---
EOM	.89	-.53	.51	-.48	-1.29	-.43	-1.26	-.25	1.45	.27	---	---
MAX	5.30	1.72	2.10	.33	-.52	-.41	-.51	-.23	1.70	1.40	.19	---



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254951080194901. Local Number G 3566. USGS Observation Well near Medley, FL.

LOCATION.--Lat 25°49'51", long 80°19'49", in NE ¼ NE ¼ SW ¼ sec.15, T.53 S., R.40 E., Hydrologic Unit 03090202, 15 ft west of NW 82nd Avenue and 403 ft south of NW 62nd Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18 ft, cased to 13.2 ft, open hole 13.2 to 18 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.02 ft above land-surface datum. Prior to January 8, 1998, top of base was 3.00 ft above land-surface datum. See REMARKS.

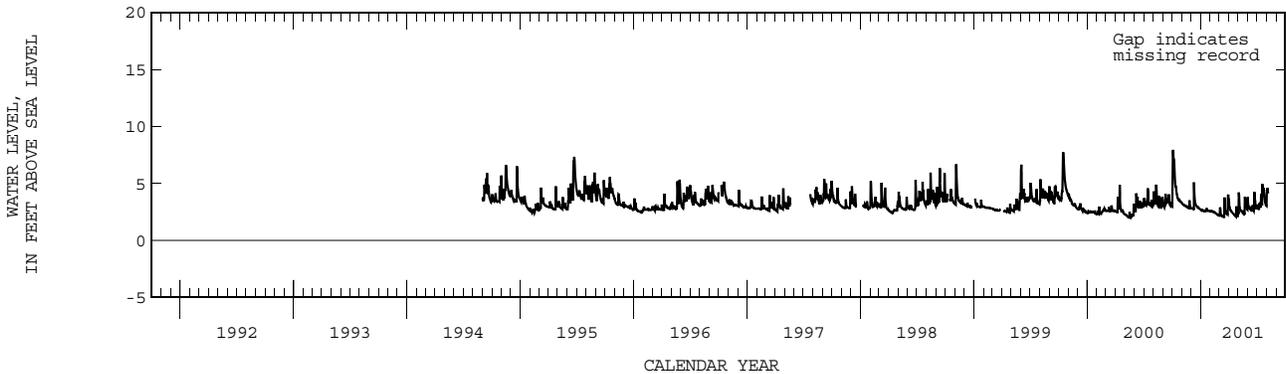
REMARKS.--Station reconstructed January 8, 1998.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.87 ft NGVD, Oct. 4, 2000; lowest, 1.98 ft NGVD, May 20, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.17	3.17	2.83	2.67	2.59	2.86	2.74	3.07	2.83	2.79	4.32	---
10	5.07	3.08	5.07	2.58	2.51	2.17	2.56	2.64	2.72	3.08	---	---
15	4.10	3.01	3.18	2.60	2.45	2.09	2.39	2.65	2.62	3.95	---	---
20	3.67	2.91	2.97	2.84	2.35	2.73	2.21	2.31	2.62	3.82	---	---
25	3.51	3.53	2.88	2.63	2.26	2.35	3.00	2.92	3.32	3.64	---	---
EOM	3.32	2.86	2.71	2.58	2.22	3.62	2.15	2.71	2.94	3.04	---	---
MAX	7.87	3.53	5.07	2.84	2.59	4.01	3.61	4.21	4.26	4.95	4.61	---



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255008080161801. Local Number F 239. USGS Observation Well in Hialeah, FL.

LOCATION.--Lat 25°50'08", long 80°16'18", in NW ¼ NW ¼ sec.17, T.53 S., R.41 E., Hydrologic Unit 03090202, 20 ft north of East 15th Street and 50 ft east of East 5th Avenue, 1.3 mi east of NW 57th Avenue.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 52.8 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 8.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.22 ft above land-surface datum.

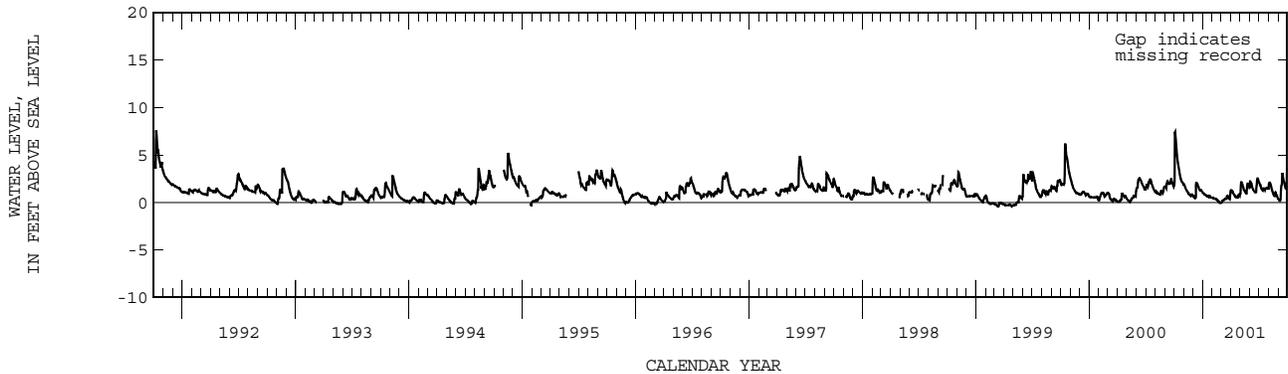
REMARKS.--Water levels affected by pumping. Records of water levels prior to October 1973 are available in the files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.58 ft NGVD, Oct. 9, 1991; lowest, 1.44 ft below NGVD, Apr. 23, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.91	1.67	.50	.90	.44	.18	1.22	2.14	2.00	1.84	2.10	.21
10	4.84	1.29	1.86	.77	.41	.29	.95	1.65	1.53	1.43	1.56	1.71
15	3.66	.98	1.90	.66	.30	.39	.71	1.23	1.21	1.51	.98	2.93
20	2.70	.79	1.45	.73	.10	.71	.57	1.02	1.07	1.32	.71	2.09
25	2.21	.73	1.34	.67	-.03	.49	.72	1.99	2.52	1.52	.93	1.48
EOM	1.95	.73	1.08	.53	-.04	1.23	.76	1.57	2.25	1.36	.44	3.64
MAX	7.42	1.95	2.07	1.04	.53	1.23	1.28	2.14	2.52	2.17	2.10	3.65



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255023080202301. Local Number G 976. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°49'18", long 80°25'33", in SW ¼ NE ¼ sec.22, T.53 S., R.39 E., Hydrologic Unit 03090202, 0.75 mi north of NW 41st Street, 1.5 mi east of the Dade/Broward Levee, 4.25 mi north of US 41, and 7.0 mi west of Miami Springs.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

REVISED RECORDS.--WDR FL-79-2B:1978.

INSTRUMENTATION.-- Satellite data collection platform.

DATUM.--Land-surface is 5.38 ft above National Geodetic Vertical datum of 1929. Measuring point: Top of base, 7.00 ft above land-surface datum.

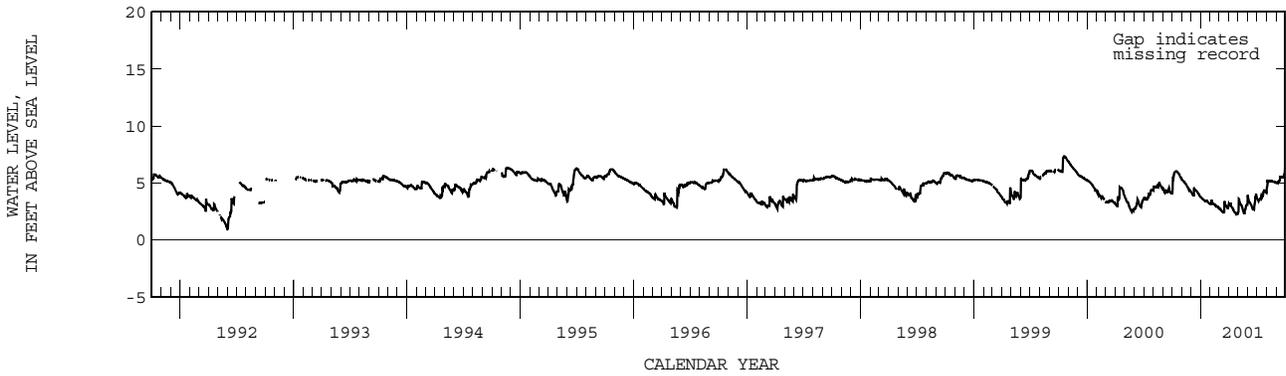
REMARKS.--Water levels affected by pumping. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--January 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.34 ft NGVD, Oct. 18-20, 1999; lowest, 0.61 ft NGVD, June 20-24, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.48	5.21	4.03	3.65	3.47	2.79	3.06	3.37	3.40	3.51	5.20	5.03
10	5.98	5.07	4.53	3.52	3.20	2.55	2.98	3.12	3.19	3.56	5.16	5.20
15	6.04	4.88	4.39	3.44	3.10	2.43	2.71	2.73	2.87	3.95	5.20	5.51
20	5.88	4.64	4.25	3.45	2.94	3.14	2.47	2.41	2.72	3.96	5.14	5.55
25	5.65	4.43	4.05	3.32	2.91	2.96	2.72	2.72	3.83	4.37	5.12	5.52
EOM	5.37	4.26	3.80	3.17	2.77	3.02	2.30	3.12	3.79	4.14	5.04	6.32
MAX	6.05	5.34	4.57	3.76	3.47	3.42	3.21	3.60	4.06	4.38	5.21	6.32



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255026080240302. Local Number G 3259A. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'26", long 80°24'03", in SE ¼ SE ¼ sec.11, T.53 S., R.39 E., Hydrologic Unit 03090202, on north side of NW 74th Street Extension, 0.8 mi west of Snapper Creek Canal Extension, and 1.0 mi north of NW 58th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 60 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 4.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 2.91 ft above land-surface datum.

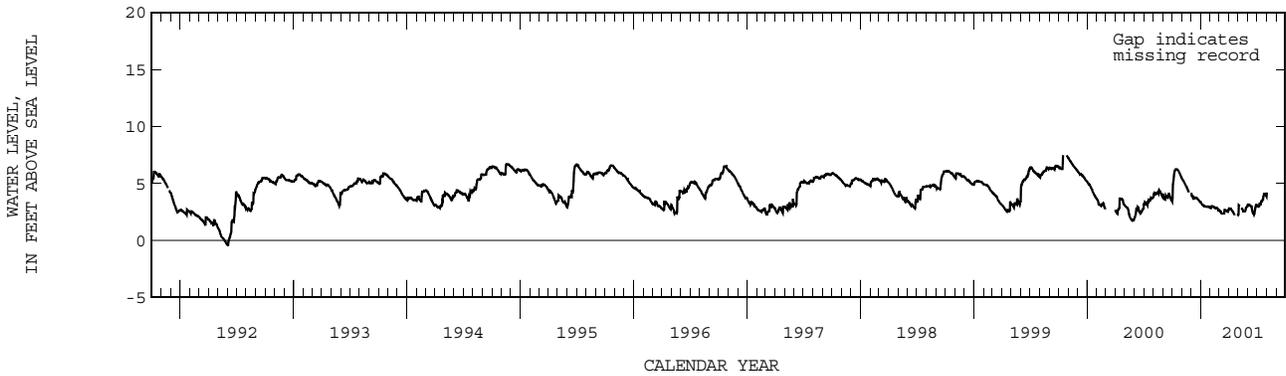
REMARKS.--Water levels affected by pumping. Record of maximum water levels that occurred during Hurricane Irene October 1999, is incomplete because of equipment failure.

PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.48 ft NGVD, Oct. 15, 27, 1999; lowest, 1.57 ft below NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.32	5.31	3.83	3.17	3.00	2.60	2.80	3.04	3.14	3.01	---	---
10	6.18	5.05	3.79	3.05	2.95	2.39	2.73	---	3.05	3.23	---	---
15	6.25	4.79	3.77	2.99	2.89	2.39	2.52	2.74	2.65	3.44	---	---
20	6.14	4.43	3.70	2.95	2.87	2.69	2.21	---	2.39	3.61	---	---
25	5.90	---	3.56	2.99	2.76	2.61	---	2.64	2.83	4.11	---	---
EOM	5.54	---	3.39	2.89	2.67	2.69	2.17	2.99	3.12	3.88	---	---
MAX	6.25	5.50	4.19	3.37	3.01	2.69	2.83	3.11	3.17	4.11	4.21	---



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255027080221602. Local Number G 3264A. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'27", long 80°22'16", in SE ¼ SE ¼ sec.7, T.53 S., R.40 E., Hydrologic Unit 03090202, on the north side of NW 74th Street Extension, west of FPL right-of-way and 1.0 mi east of Snapper Creek Canal Extension.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 50 ft.

INSTRUMENTATION.--Electronic data logger.

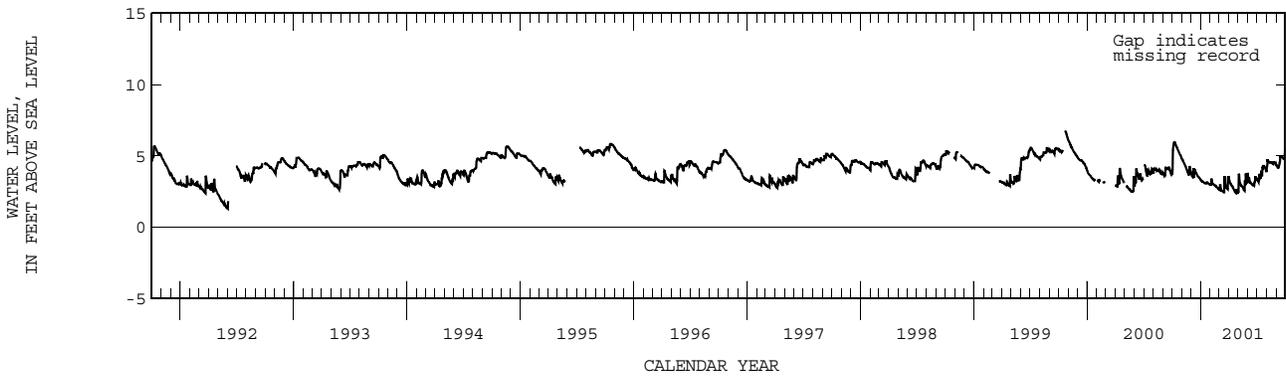
DATUM.--Land-surface datum is 5.03 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1983 to May 1984 (quarterly), June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.77 ft NGVD, Oct. 22, 1999; lowest, 0.89 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.72	4.65	3.55	3.21	3.25	2.94	3.09	3.30	3.49	3.23	4.65	4.19
10	5.88	4.43	4.03	3.14	3.00	2.55	2.94	2.95	3.14	3.54	4.54	4.35
15	5.63	4.15	3.91	3.09	2.93	2.48	2.77	2.82	2.98	3.81	4.55	4.96
20	5.39	3.85	3.68	3.15	2.84	3.10	2.54	2.62	2.94	4.18	4.47	4.91
25	5.13	4.28	3.53	3.07	2.73	2.74	2.67	2.95	3.59	4.26	4.56	4.80
EOM	4.86	3.83	3.35	3.01	2.68	3.44	2.40	3.07	3.36	3.86	4.42	5.52
MAX	5.96	4.82	4.03	3.31	3.41	3.59	3.46	3.77	3.80	4.30	4.65	5.52



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255027080245501. Local Number G 3253. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'27", long 80°24'55", in SW ¼ SW ¼ sec.11, T.53 S., R.39 E., Hydrologic Unit 03090202, on the south side of NW 74th Street, 1.8 mi west of the Florida Turnpike and the Snapper Creek Canal Extension, and 1.0 mi north of NW 58th Street.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 5.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 4.17 ft above land-surface datum.

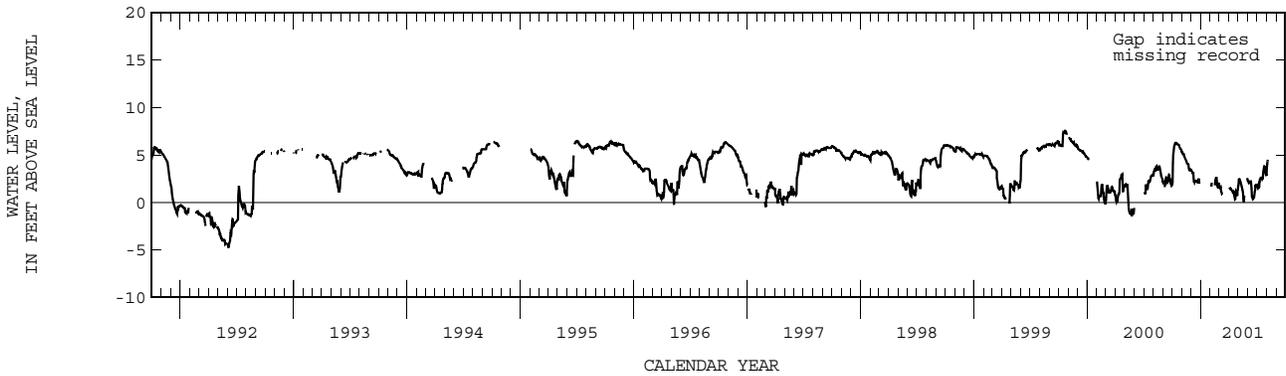
REMARKS.--Water levels affected by pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.38 ft NGVD, Oct. 16, 1999; lowest, 4.78 ft below NGVD, June 4, 1992.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.30	5.13	3.00	---	2.10	1.64	1.46	2.46	2.06	1.87	---	---
10	6.23	4.80	2.22	---	---	.91	1.33	1.99	2.22	2.36	---	---
15	6.23	4.40	2.30	---	1.79	---	1.22	1.22	.64	2.54	---	---
20	6.10	4.03	2.21	---	2.61	---	.57	.03	.55	2.90	---	---
25	5.79	3.39	2.45	---	1.56	---	1.16	---	1.60	3.76	---	---
EOM	5.39	3.42	---	---	2.11	---	1.39	2.43	1.74	2.80	---	---
MAX	6.30	5.32	3.39	---	2.61	1.67	1.60	2.56	2.30	3.80	4.50	---



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255112080151901. Local Number G 3562. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°51'12", long 80°15'19", in SE ¼ SW ¼ SW ¼ sec.4, T.53 S., R.41 E., Hydrologic Unit 03090202, at northeast corner of intersection of NW 87th Terrace and NW 35th Court, 10 ft east of NW 35th Court curb, 0.9 mi west SR 9.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.  
 WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.6 ft, cased to 13.6 ft, open hole 13.6 to 18.6 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 10.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum.

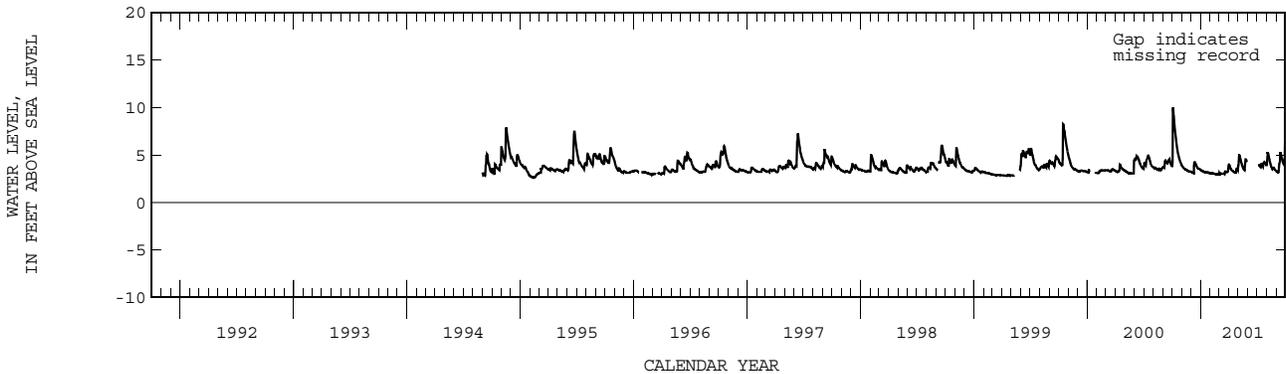
REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.94 ft NGVD, Oct. 3, 4, 2000; lowest, 2.61 ft NGVD, Feb. 12, 13, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.26	3.73	3.16	3.33	3.11	3.05	3.73	5.03	---	---	5.14	3.20
10	7.44	3.55	3.82	3.25	3.06	3.03	3.45	4.31	---	3.88	4.52	4.07
15	6.01	3.45	4.13	3.19	3.02	3.04	3.30	3.77	---	4.06	3.87	5.22
20	5.01	3.35	3.75	3.19	2.98	3.28	3.19	3.49	---	3.81	3.52	4.53
25	4.41	3.26	3.58	3.17	2.94	3.21	3.45	4.55	---	4.25	3.64	4.09
EOM	3.97	3.25	3.43	3.09	2.95	3.93	3.45	---	---	3.84	3.35	6.45
MAX	9.94	3.92	4.24	3.41	3.11	3.93	4.01	5.03	---	4.27	5.14	6.47



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255116080120601. Local Number G 3602. USGS Observation Well near El Portal, FL.

LOCATION.--Lat 25°51'16", long 80°12'06", in SE ¼ SE ¼ SW ¼ sec.1, T.53 S., R.41 E., Hydrologic Unit 03090202, 29 ft west of intersection of NW 2nd Avenue and NW 87th Street, near Horace Mann Middle School.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 160 ft, cased to 155 ft, screened 155 to 160 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 5.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

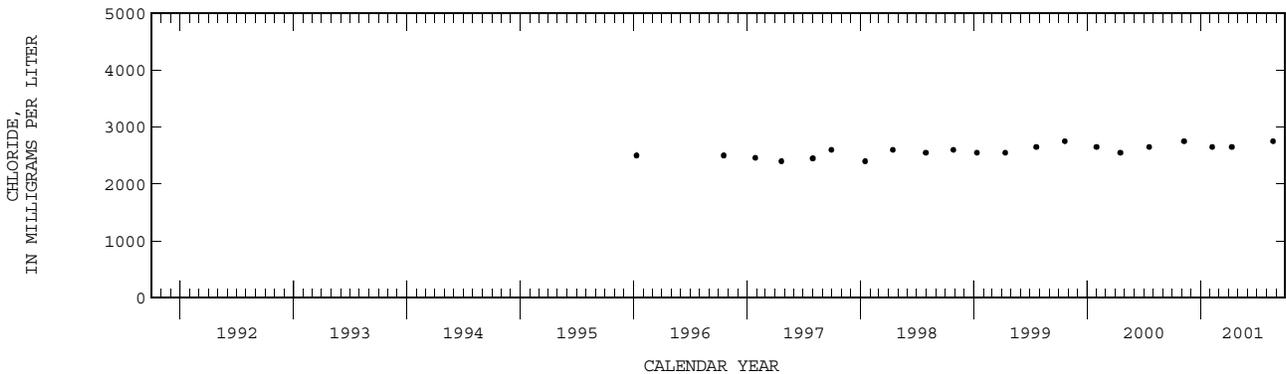
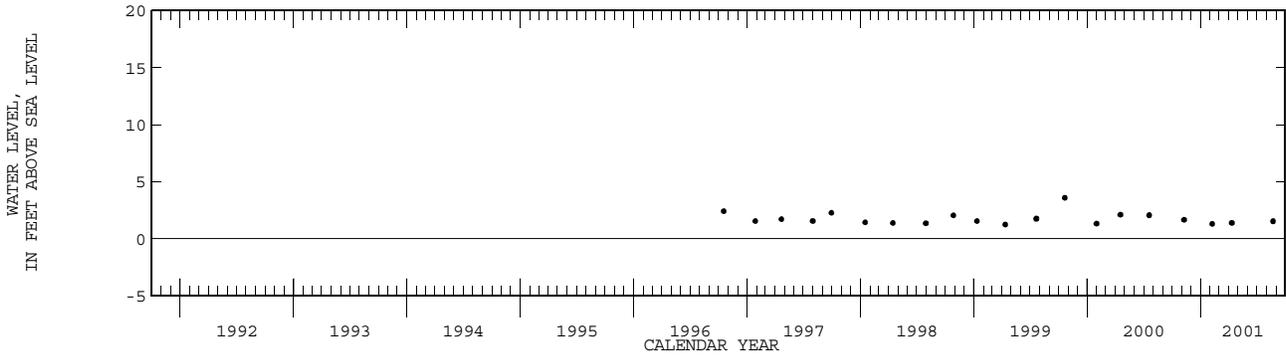
REMARKS.--Well is also used for quarterly salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Salinity monitoring began in September 1995. Water-level measurements began in October 1996.

PERIOD OF RECORD.--September 1995 to current year. See REMARKS.

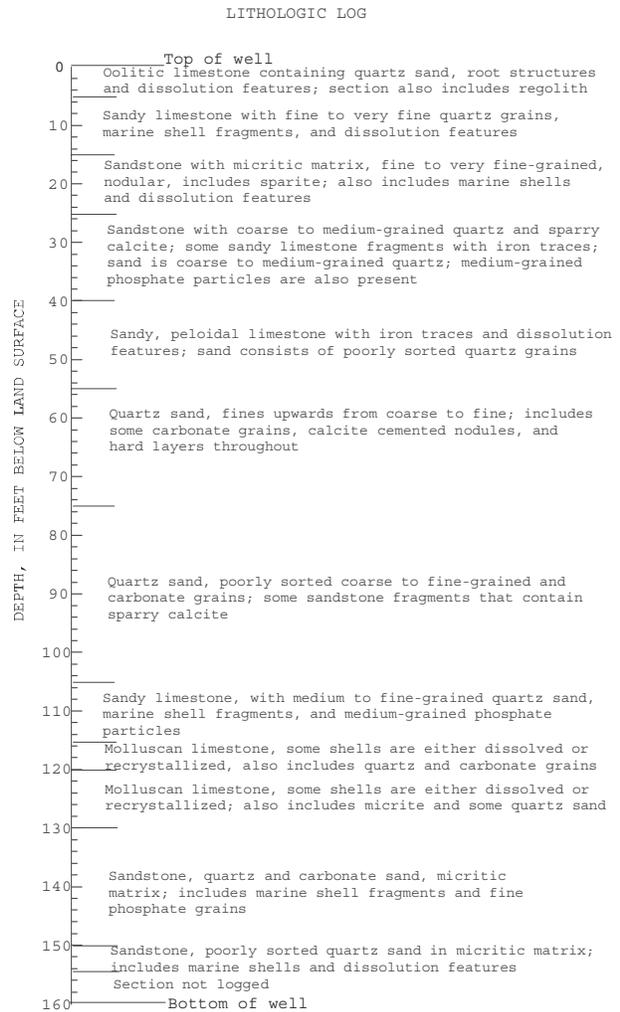
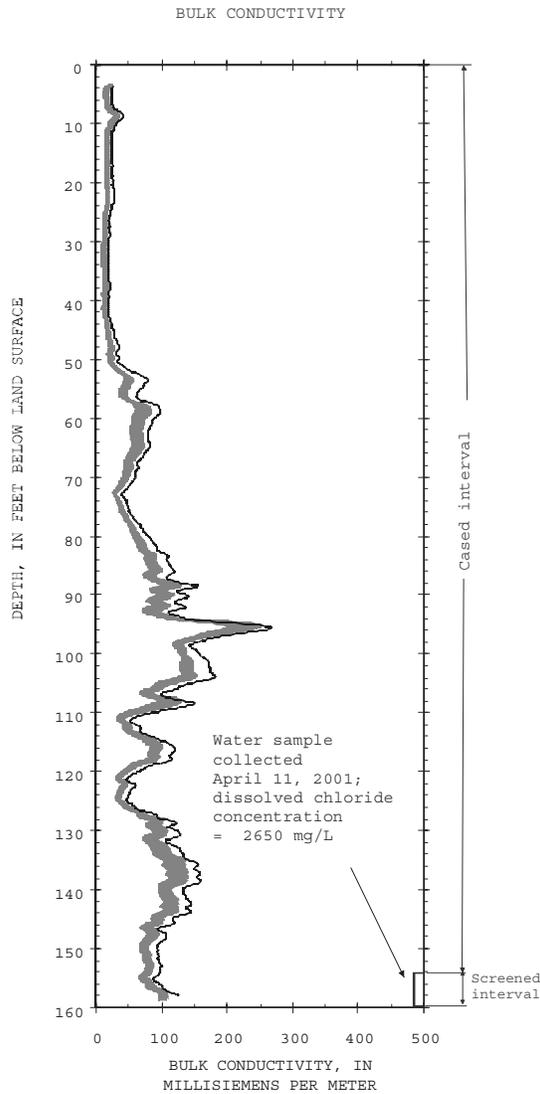
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.60 ft NGVD, Oct. 21, 1999; lowest, 1.25 ft NGVD, Apr. 12, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 08...	1017	8750	2750	1.66	APR 11...	1044	8430	2650	1.39
FEB 07...	0933	8390	2650	1.31	AUG 22...	0922	9550	2750	1.54



WELL NUMBER.--255116080120601. Local Number G 3602. USGS Observation Well near El Portal, FL.



- EXPLANATION
- Bulk conductivity, in millisiemens per meter, April 11, 2001
  - Shaded area represents range in bulk conductivity logs collected annually from January 9, 1996 to April 17, 2000
  - [ Delimits the interval for which the well is open to the aquifer

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255208080274001. Local Number G 975. USGS Observation Well near Pennsuco, FL.

LOCATION.--Lat 25°52'08", long 80°27'40", in SW ¼ SE ¼ sec.32, T.52 S., R.38 E., Hydrologic Unit 03090202, 1.0 mi southwest of junction of Pennsuco Canal and Dade/Broward Levee, 5.5 mi southwest of Pennsuco, and 7.5 mi north of US 41.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 7.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 7.08 ft above land-surface datum.

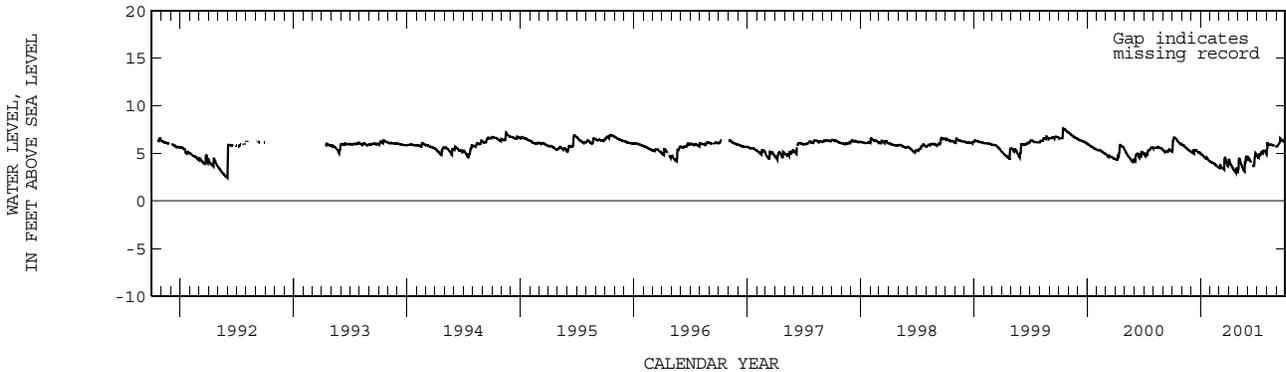
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--July 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.78 ft NGVD, Oct. 14, 1960; lowest, 2.07 ft NGVD, June 2, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.49	5.88	5.11	4.88	4.08	3.76	4.00	4.45	4.49	4.53	6.01	5.82
10	6.64	5.72	5.36	4.72	3.99	3.48	3.72	3.92	4.17	4.93	5.96	6.04
15	6.48	5.57	5.36	4.52	3.88	3.36	3.39	3.53	3.74	5.09	5.93	6.59
20	6.24	5.45	5.27	4.59	3.72	4.58	3.16	3.18	3.65	5.15	5.86	6.38
25	6.06	5.32	5.13	4.36	3.59	3.98	3.43	4.07	5.01	5.31	5.83	6.25
EOM	5.95	5.19	5.02	4.17	3.52	3.96	3.05	4.24	4.82	4.93	5.76	6.80
MAX	6.67	5.94	5.37	4.96	4.15	4.58	4.44	4.62	5.01	5.32	6.01	6.80



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255209080212801. Local Number G 973. USGS Observation Well near Medley, FL.

LOCATION.--Lat 25°52'09", long 80°21'28", in NE ¼ NE ¼ sec.5, T.53 S., R.40 E., Hydrologic Unit 03090202, on Russian Colony Road, 0.5 mi north of Medley, and 1.0 mi west of Miami Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

REVISED RECORDS.--WDR FL-85-2B:1978.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 6.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

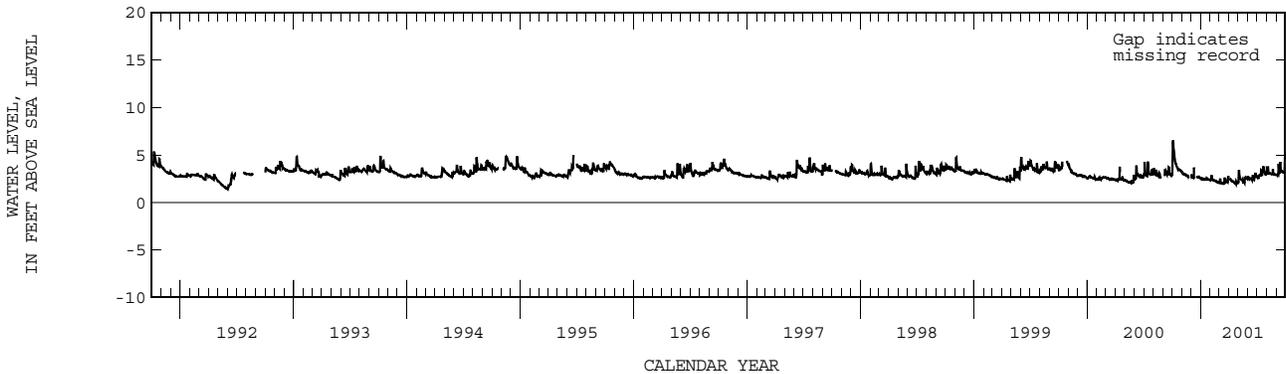
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.45 ft NGVD, October 3, 4, 2000; lowest, 0.92 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.68	3.08	2.66	2.47	2.79	2.42	2.44	2.79	2.54	2.58	3.77	2.88
10	4.31	2.96	3.69	2.39	2.40	2.08	2.32	2.44	2.50	---	3.05	3.24
15	3.85	2.87	---	2.49	2.28	1.98	2.23	2.43	2.38	3.36	3.03	3.69
20	3.44	2.84	2.71	2.57	2.21	2.52	2.03	2.18	2.44	3.27	2.98	3.28
25	3.44	---	2.72	2.41	2.18	2.22	2.28	2.45	3.14	3.13	2.99	3.17
EOM	3.24	---	2.58	2.38	2.11	2.56	2.02	2.46	2.79	2.90	2.91	4.55
MAX	6.45	3.21	3.69	2.57	2.80	2.80	2.56	3.34	3.14	3.80	3.79	5.28



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255342080195501. Local Number G 1166. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°53'42", long 80°19'55", in NW ¼ SE ¼ NE ¼ sec.27, T.52 S., R.40 E., Hydrologic Unit 03090202, on the east side of NW 82nd Avenue, 0.25 mi south of NW 138th Street, 0.5 mi west of Palmetto Expressway, and 1.2 mi west of Hialeah. (Corrected).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 18 ft, cased to 10.5 ft. (Corrected).

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 4.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 4.22 ft above land-surface datum.

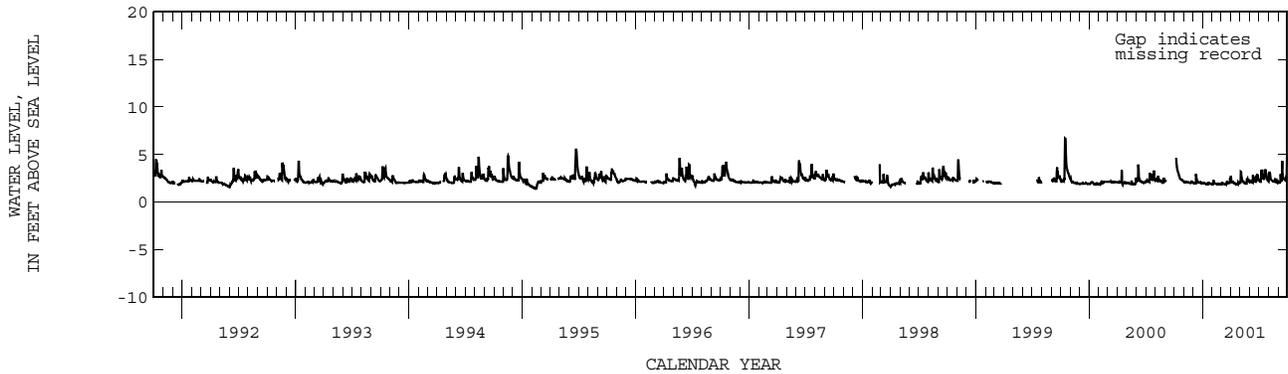
REMARKS.--Well was purged using an air compressor on July 15, 1999. Prior to purging, sediment in well dampened well responses to hydrological changes. Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.92 ft NGVD, Aug. 27, 1964; lowest, 1.33 ft NGVD, Apr. 23-28, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.11	2.01	1.98	2.20	2.05	2.11	2.65	2.22	2.16	3.13	2.04
10	3.51	2.12	2.94	1.95	1.96	1.90	2.04	2.18	2.08	2.45	2.35	2.50
15	2.91	2.10	2.17	1.95	1.92	1.88	1.97	2.04	2.08	2.80	2.18	3.04
20	2.44	2.04	2.04	1.98	1.89	2.14	1.93	1.95	2.14	2.79	2.14	2.44
25	2.34	2.27	2.06	1.93	1.90	2.01	2.10	2.43	2.95	2.58	2.13	2.30
EOM	2.18	2.05	1.99	1.91	1.90	2.22	2.02	2.11	2.34	2.19	2.06	3.75
MAX	4.65	2.27	2.94	2.00	2.31	2.56	2.76	3.19	2.95	3.45	3.22	4.93



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY

WELL NUMBER.--255358080114101. Local Number G 3601. USGS Observation Well near North Miami, FL.

LOCATION.--Lat 25°53'58", long 80°11'41", in SW ¼ SW ¼ SW ¼ sec.19, T.52 S., R.42 E., Hydrologic Unit 03090202, 300 ft north of NW 135th Street, 28 ft west of Memorial Boulevard, along east bank of Biscayne Canal.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 190 ft, cased to 185 ft, screened 185 to 190 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is about 6.83 ft above National Geodetic Vertical Datum of 1929. Prior to water year 2000, land-surface datum was considered to be about 5 ft above NGVD, from topographic map. Measuring point: Top of casing, at land-surface datum.

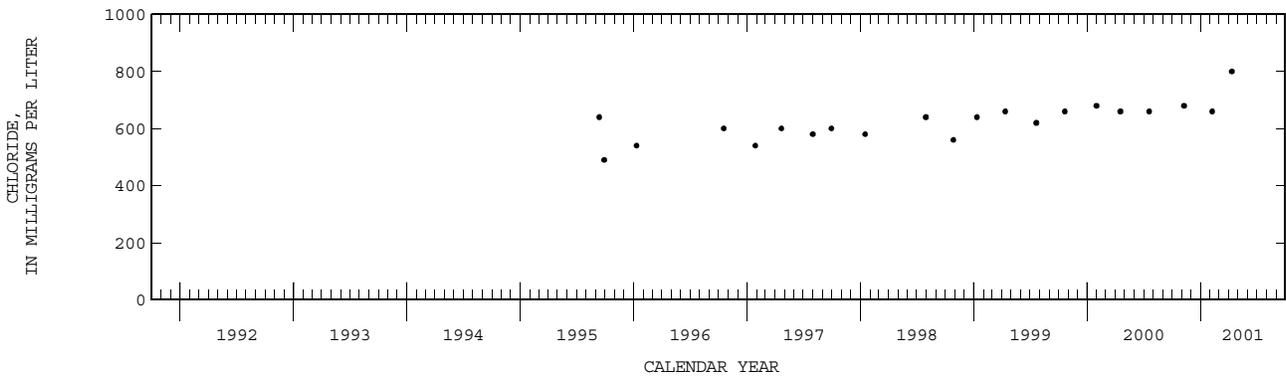
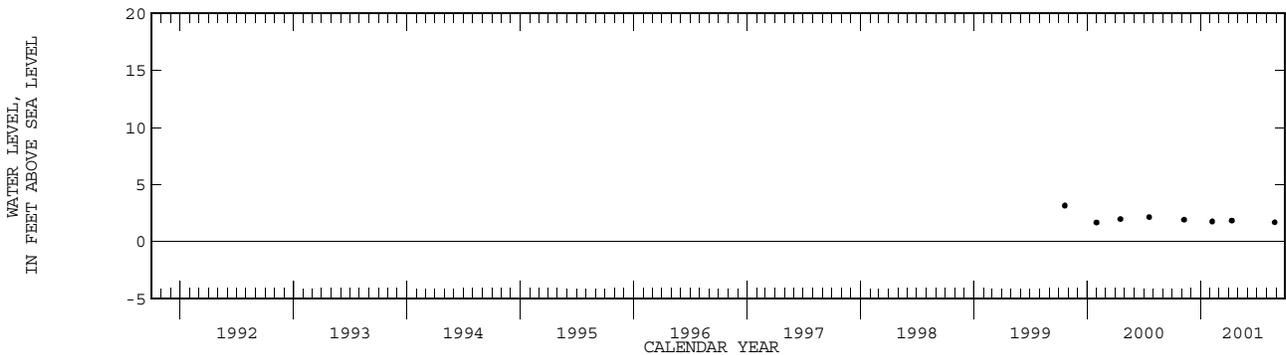
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. Quarterly chloride sampling began in September 1995. Quarterly water-level measurement began in October 1999. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

PERIOD OF RECORD.--September 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.14 ft NGVD, Oct. 21, 1999; lowest, 1.65 ft NGVD, Jan. 31, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 08...	1055	2110	680	1.89	APR 11...	1157	2670	800	1.82
FEB 07...	1001	2190	660	1.74	AUG 27...	0817	--	--	1.67

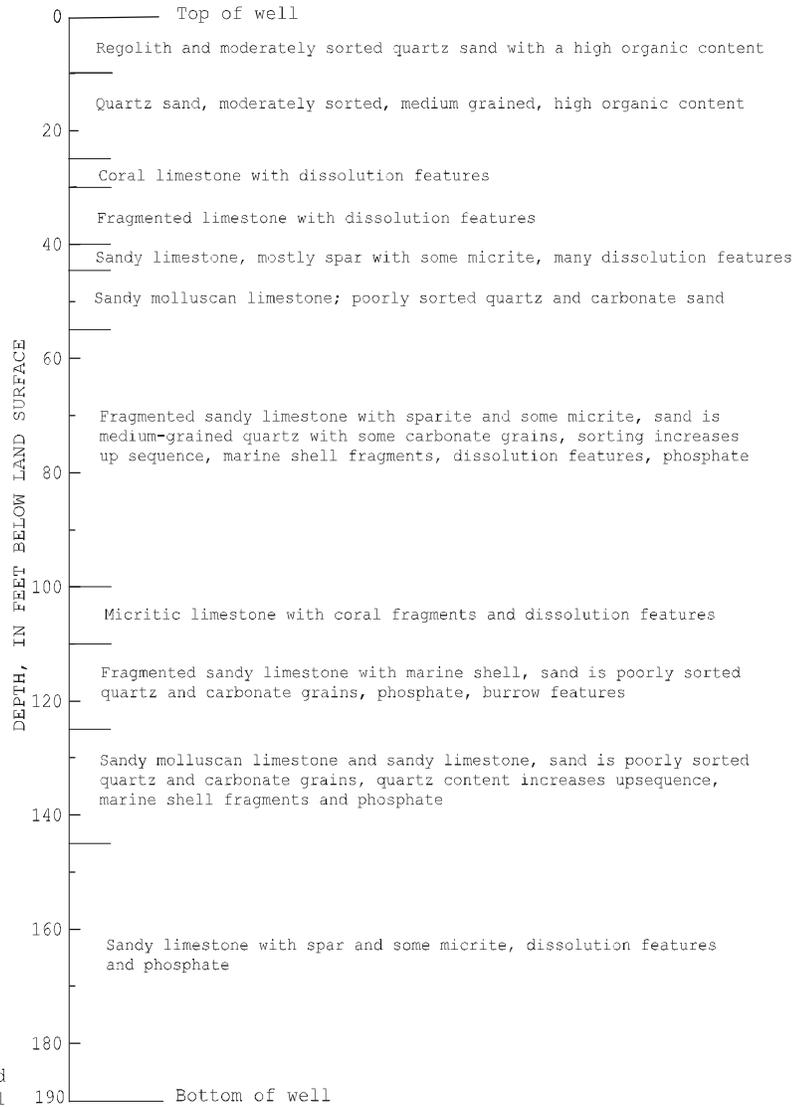
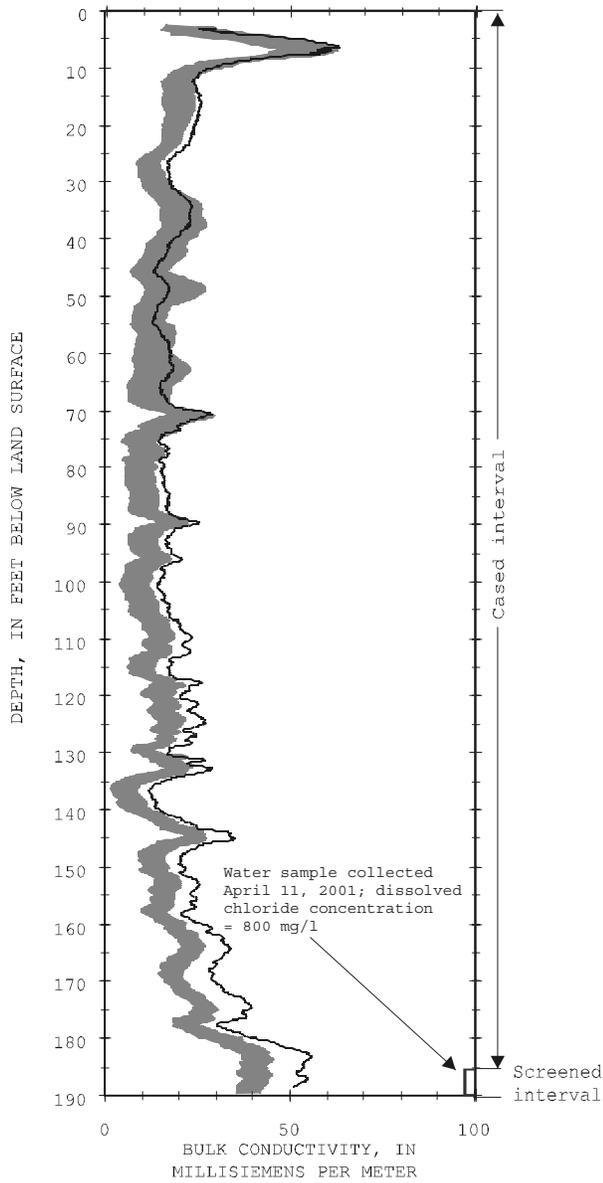


MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255358080114101. Local Number G 3601. USGS Observation Well near North Miami, FL.

BULK CONDUCTIVITY

LITHOLOGIC LOG



EXPLANATION

- Bulk conductivity in millisiemens per meter April 11, 2001
- Shaded area represents range in bulk conductivity logs collected annually from January 17, 1996 to April 17, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255358080260901. Local Number G 3567. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°53'58", long 80°26'09", in NW ¼ SW ¼ SW ¼ sec.22, T.52 S., R.39 E., Hydrologic Unit 03090202, on dirt road next to power pole 27, 6.0 mi north of NW 41st Street, 2.7 mi south of US 27, and 2.8 mi west of NW 117th Avenue, (SR 821).

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.7 ft, cased to 13.7 ft, open hole 13.7 to 18.7 ft.

INSTRUMENTATION.--Electronic data logger.

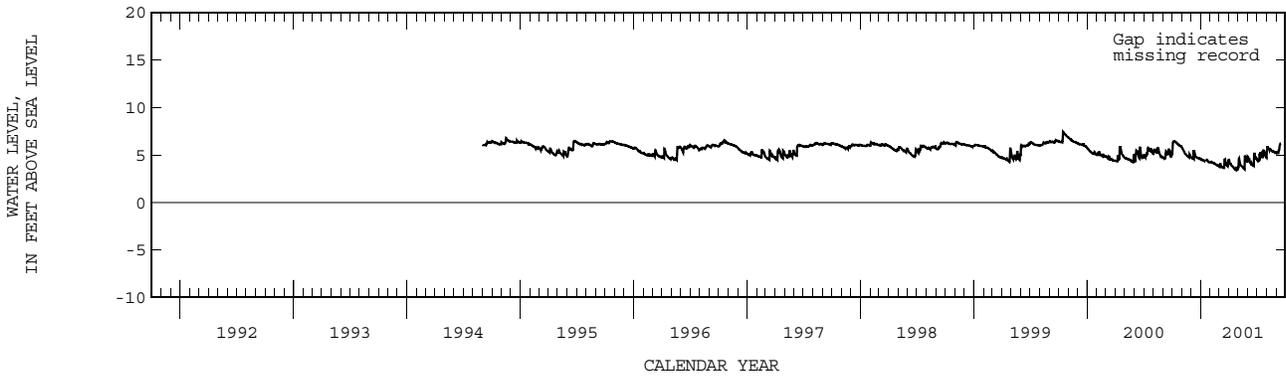
DATUM.--Land-surface datum is 6.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.60 ft above land-surface datum.

PERIOD OF RECORD.--September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.46 ft NGVD, Oct. 15, 1999; lowest, 3.45 ft NGVD, Apr. 24, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.38	5.61	4.66	4.50	4.27	4.13	4.07	4.43	4.69	4.34	5.79	5.23
10	6.41	5.28	5.40	4.43	4.16	3.74	3.92	3.92	4.17	5.04	5.53	5.61
15	6.28	5.02	4.90	---	4.08	3.67	3.77	3.75	3.99	4.87	5.56	6.10
20	6.11	4.86	4.72	4.52	3.96	4.55	3.55	3.58	3.87	5.03	5.38	---
25	5.97	5.13	4.68	4.31	3.91	3.90	3.68	4.53	4.89	5.17	5.30	---
EOM	5.86	4.77	4.56	4.26	3.84	4.18	3.49	4.20	4.66	4.70	5.26	---
MAX	6.47	5.82	5.40	4.54	4.27	4.55	4.60	4.94	5.25	5.48	5.79	6.15



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255437080103201. Local Number G 852. USGS Observation Well in North Miami Beach, FL.

LOCATION.--Lat 25°54'37", long 80°10'32", in NW ¼ SE ¼ NW ¼ sec.20, T.52 S., R.42 E., Hydrologic Unit 03090202, at corner of NE 12th Avenue and NE 147th Street in North Miami Beach, 1.3 mi west of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 6.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.24 ft above land-surface datum. Prior to October 1, 2000, top of base was considered to be 2.26 ft above land-surface datum. Prior to October 1997, measuring point (top of base) was reported as top of casing. Prior to July 14, 1989, top of base was 2.38 ft above land-surface datum. Prior to November 17, 1988, top of base was 2.42 ft above land-surface datum. Prior to March 8, 1983, measuring point was top of casing 2.50 ft above land-surface datum (Corrected). See REMARKS.

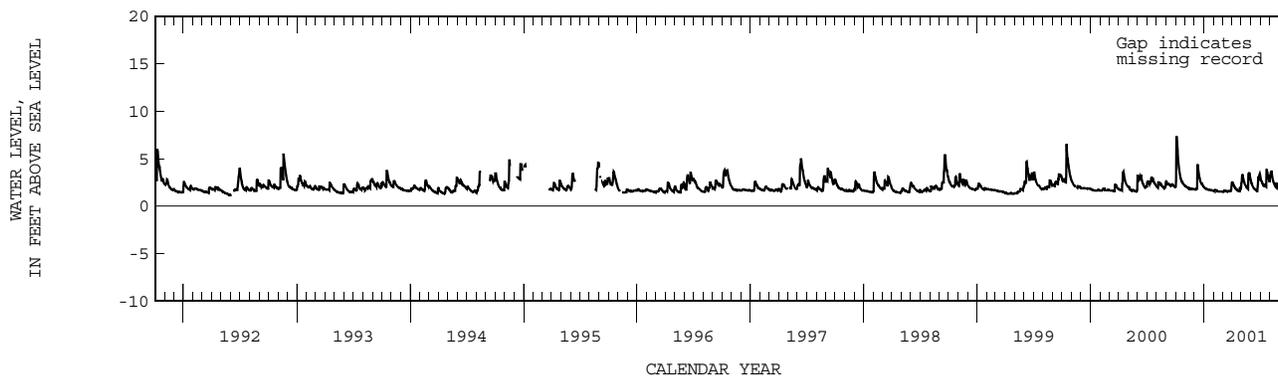
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, from October 1997 to September 2000, are in error. See DATUM.

PERIOD OF RECORD.--January 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.28 ft NGVD, Oct. 3, 4, 2000; lowest, 0.17 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.79	2.03	1.75	1.90	1.72	1.63	2.28	3.29	2.26	2.62	3.67	1.66
10	4.67	1.95	4.32	1.82	1.67	1.63	1.97	2.52	1.93	2.21	2.76	2.23
15	3.37	1.91	3.29	1.76	1.57	1.56	1.78	2.17	1.76	2.27	2.34	2.89
20	2.66	1.85	2.59	1.71	1.56	1.62	1.64	1.88	1.60	2.05	1.99	2.37
25	2.41	1.83	2.35	1.68	1.54	1.60	1.70	3.50	3.11	3.21	2.15	2.04
EOM	2.17	1.80	2.06	1.64	1.54	2.39	1.93	2.67	3.26	2.54	1.81	3.78
MAX	7.28	2.16	4.32	2.01	1.72	2.39	2.53	3.50	3.41	3.84	3.67	3.82



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255526080143001. Local Number S 18. USGS Observation Well near Opa-Locka, FL.

LOCATION.--Lat 25°55'26", long 80°14'30", in NW ¼ NW ¼ sec.15, T.52 S., R.41 E., Hydrologic Unit 03090202, in parking lot of the North Dade Regional Library, 0.2 mi south of the Palmetto Expressway, 0.2 mi east of NW 27th Avenue, and 1.3 mi north of Opa-Locka.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 52 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 9.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.06 ft above land-surface datum.

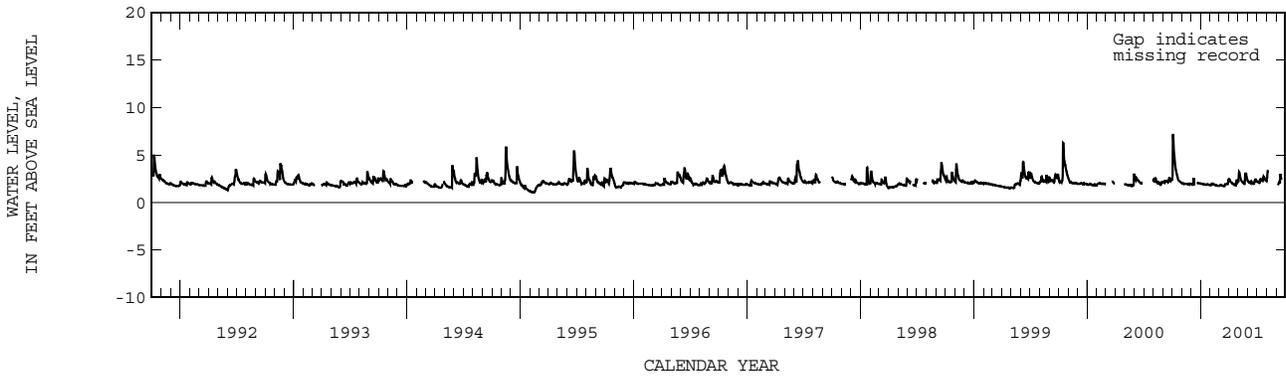
REMARKS.--Records of water levels prior to January 1957 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1939 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.54 ft NGVD, Oct. 12, 1947; lowest, 0.05 ft NGVD, June 3, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.23	2.01	1.91	1.96	2.00	1.86	2.28	3.17	2.14	2.16	3.38	---
10	3.97	1.99	2.59	1.93	1.94	1.79	2.09	2.39	2.04	2.19	---	2.17
15	3.02	1.98	---	1.89	1.87	1.75	1.98	2.15	2.07	2.43	---	2.90
20	2.41	1.95	2.14	1.90	1.81	1.94	1.88	2.00	1.95	2.26	---	---
25	2.21	1.99	2.04	1.89	1.77	1.92	2.22	3.14	2.44	2.50	---	---
EOM	2.05	1.97	1.99	1.84	1.76	2.33	2.15	2.38	2.25	2.26	---	---
MAX	7.14	2.05	2.59	1.99	2.00	2.33	2.48	3.25	2.44	2.77	3.40	2.90



## MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255600080270001. Local Number G 968. USGS Observation Well near Hialeah Gardens, FL.

LOCATION.--Lat 25°56'10", long 80°26'50", in NE ¼ NE ¼ sec.9, T.52 S., R.39 E., Hydrologic Unit 03090202, 150 ft from the northwest side of levee 30, 0.6 mi southwest of Miami Canal, 1.3 mi south of Dade and Broward County Line, and 9 mi north west of Hialeah Gardens.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 16 in., depth 50 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 5.85 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 5.02 ft above land-surface datum.

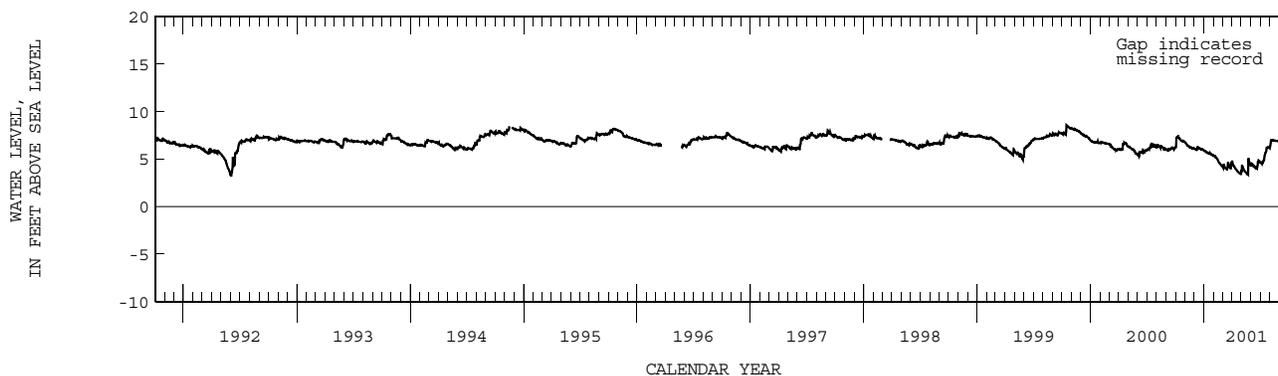
REMARKS.--For an unknown period of time, the transite well casing was cracked allowing the surface water from the conservation area to combine with the water inside the well. Ground water level records may be affected. Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--April 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.57 ft NGVD, Oct. 15, 1999; minimum water level recorded, 1.70 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.33	6.60	6.05	5.85	5.35	4.42	4.33	4.25	4.49	4.58	7.03	6.92
10	7.29	6.39	6.26	5.71	5.16	4.07	4.11	3.85	4.29	4.78	6.97	7.03
15	7.15	6.28	6.16	5.64	4.87	3.95	3.88	3.63	4.16	5.38	6.98	7.51
20	6.94	6.24	6.06	5.65	4.58	4.62	3.66	3.44	4.01	5.79	6.94	7.34
25	6.91	6.19	6.05	5.49	4.37	4.14	3.51	4.67	4.87	6.28	6.94	7.35
EOM	6.80	6.12	5.93	5.39	4.25	4.45	3.46	4.27	4.71	6.16	6.92	7.73
MAX	7.36	6.77	6.26	5.91	5.36	4.63	4.85	5.10	4.87	6.28	7.03	7.74



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255616080180301. Local Number G 3571. USGS Observation Well near Miami Lakes, FL.

LOCATION.--Lat 25°56'16", long 80°18'03", in NW ¼ SW ¼ NE ¼ sec.12, T.52 S., R.40 E., Hydrologic Unit 03090202, in Mediterranean Gardens, between NW 61st Avenue and NW 60th Court, 10 ft north of edge of pavement, 0.13 mi south of Miami Gardens Drive.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5 in., depth 18.5 ft, cased to 13.5 ft, open hole 13.5 to 18.5 ft.

INSTRUMENTATION.--Electronic data logger.

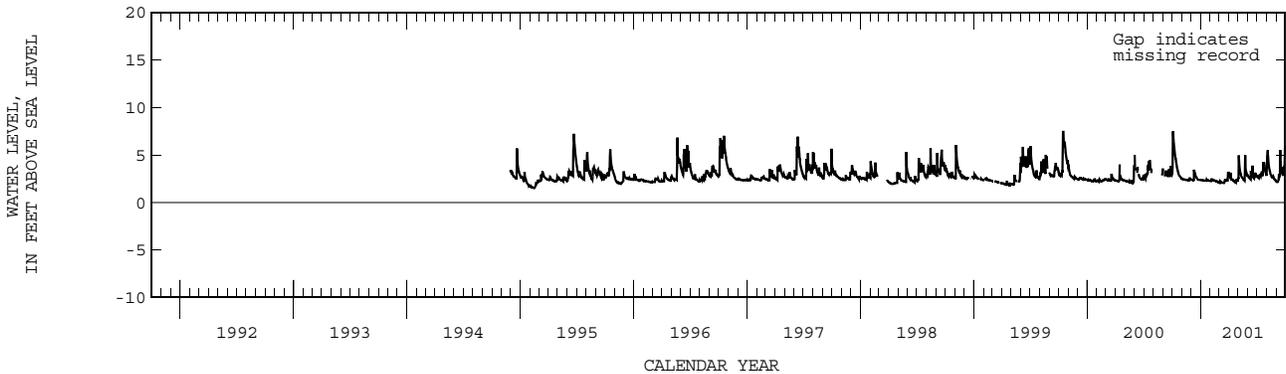
DATUM.--Land-surface datum is 7.32 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.52 ft NGVD, Oct. 15, 1999; lowest, 1.54 ft NGVD, Feb. 14, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.54	2.45	2.38	2.37	2.41	2.24	2.67	3.82	2.67	2.71	4.98	2.18
10	4.91	2.42	3.43	2.33	2.36	2.10	2.49	2.87	2.43	2.72	3.50	2.83
15	3.89	2.39	2.88	2.31	2.31	2.06	2.35	2.60	2.67	3.08	2.91	4.17
20	3.11	2.37	2.56	2.42	2.23	2.37	2.22	2.37	2.56	3.37	2.62	3.12
25	2.78	2.65	2.39	2.33	2.16	2.31	2.30	3.61	3.05	3.62	2.52	3.08
EOM	2.55	2.43	2.38	2.29	2.14	2.62	2.29	2.78	2.79	2.82	2.25	4.94
MAX	7.43	2.65	3.43	2.42	2.55	3.07	3.23	4.98	3.86	4.25	5.53	6.04



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255625080094901. Local Number G 3705. USGS Observation Well near North Miami Beach, FL.

LOCATION.--Lat 25°56'25", long 80°09'49", in NW ¼ NW ¼ sec.9, T.52 S., R.42 E., Hydrologic Unit 03090202, 15 ft north of NE 179th Street and 175 ft west of NE 19th Avenue, 0.90 mi west of US 1.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 135 ft, cased to 125 ft, screened 125 to 135 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 9.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

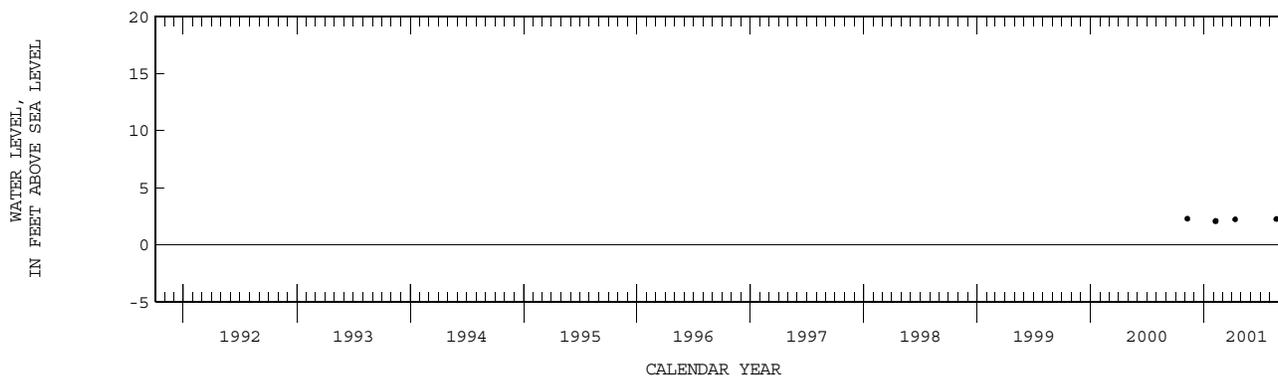
REMARKS.--Well is also logged annually using an induction probe. Induction logs are used to assess the movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Annual induction logs began in April 2000. Water-level measurements began in November 2000.

PERIOD OF RECORD.--April 2000 to current year. See REMARKS.

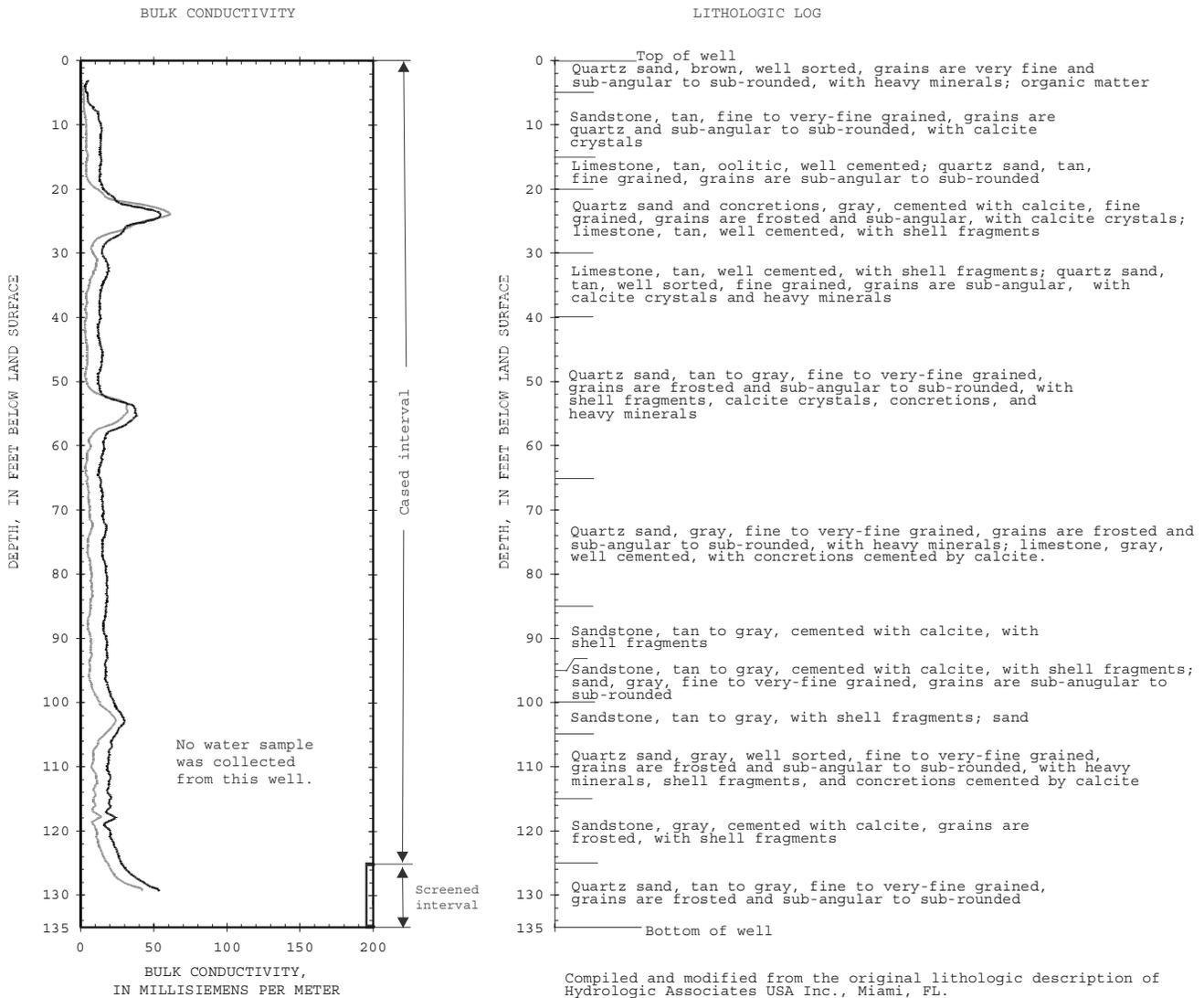
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.27 ft NGVD, Nov. 8, 2000; lowest, 2.07 ft NGVD, Feb. 7, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 08...	1130	2.27	APR 11...	1443	2.22
FEB 07...	1030	2.07	AUG 22...	1015	2.25



WELL NUMBER.--255625080094901. Local Number G 3705. USGS Observation Well near North Miami Beach, FL.



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 11, 2001
- Shaded line represents bulk conductivity in millisiemens per meter April 18, 2000.
- [ Delimits the interval for which the well is open to the aquifer

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255626080093201. Local Number G 3600. USGS Observation Well near North Miami Beach, FL.

LOCATION.--Lat 25°56'26", long 80°09'32", in SW ¼ NE ¼ NW ¼ sec.9, T.52 S., R.42 E., Hydrologic Unit 03090202, 500 ft east of NW 20th Avenue on south side of NW 179th Street, 0.6 mi west of US 1, near a golf course.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 200 ft, cased to 195 ft, screened 195 to 200 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

DATUM.--Land-surface datum is 9.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface.

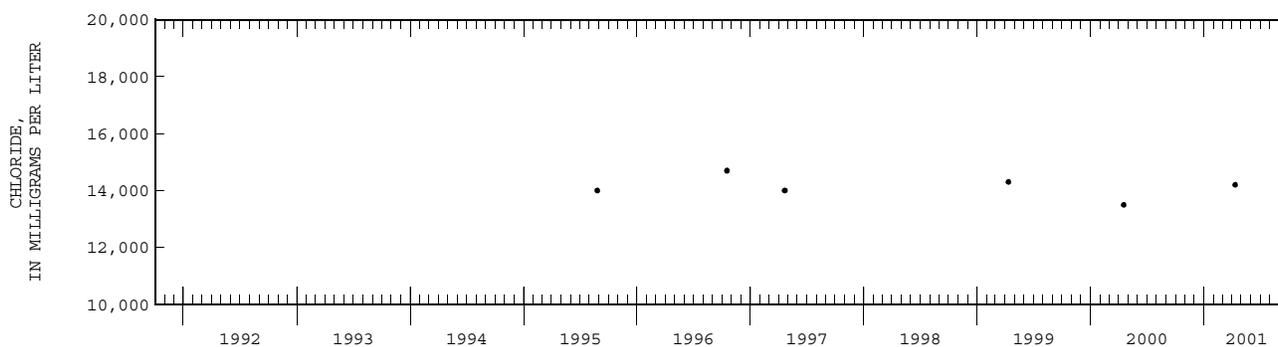
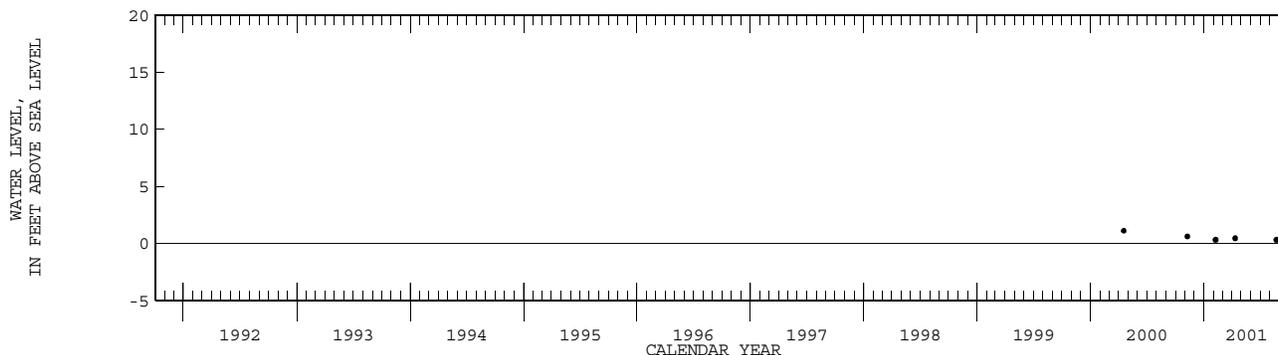
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Salinity monitoring began in April 1995. Water-level measurements began in April 2000.

PERIOD OF RECORD.--August 1995 to current year.

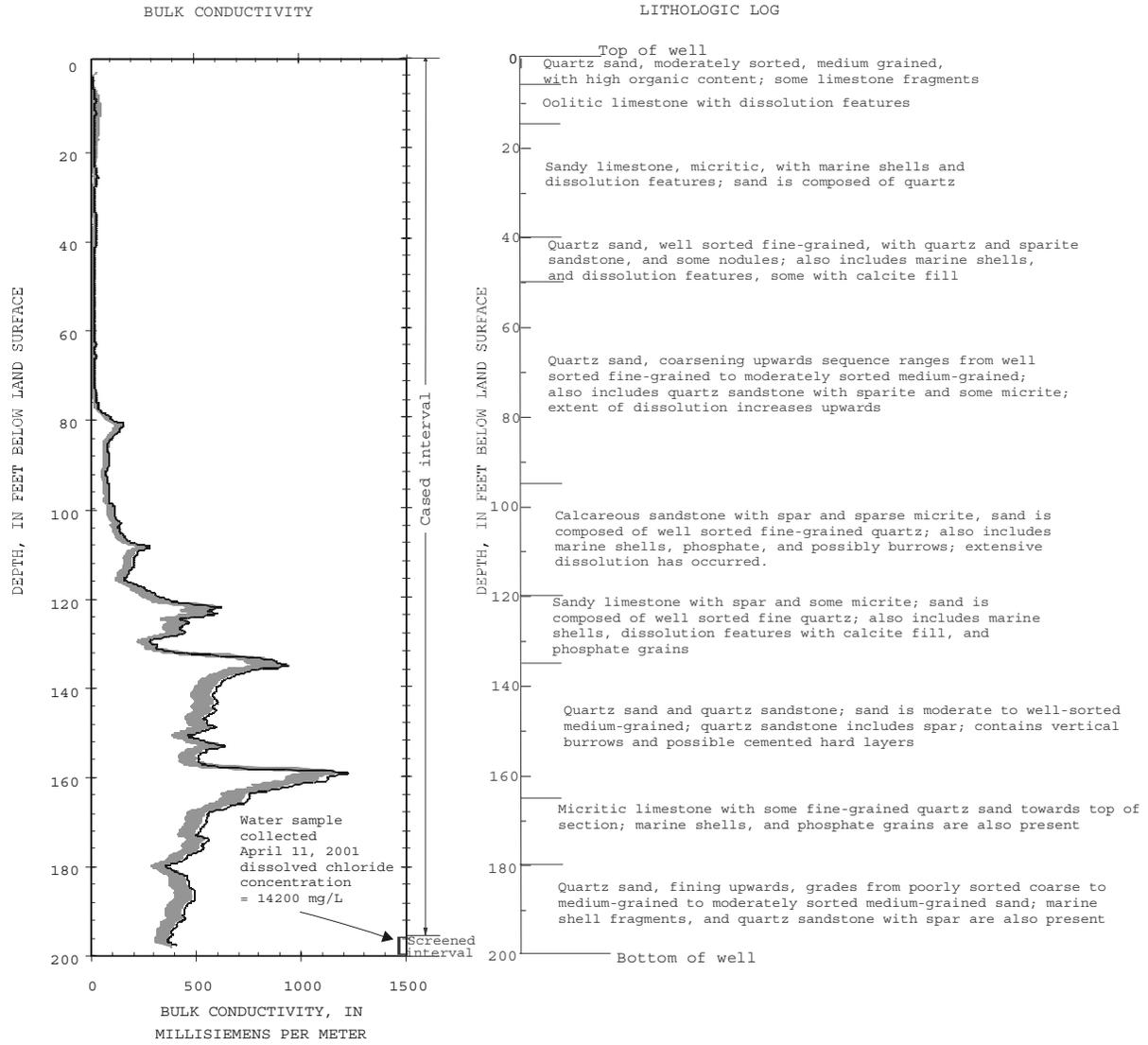
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.11 ft NGVD, Apr. 17, 2000; lowest, 0.31 ft NGVD, Feb. 7 and Aug. 22, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV 08...	1140	--	--	.61	APR 11...	1339	40700	14200	.45
FEB 07...	1038	--	--	.31	AUG 22...	1025	--	--	.31



WELL NUMBER.--255626080093201. Local Number G 3600. USGS Observation Well near North Miami Beach, FL.



EXPLANATION

- Bulk conductivity, in millisiemens per meter, April 11, 2001
- Shaded area represents range in bulk conductivity logs collected annually from January 10, 1996 to April 17, 2000

[ Delimits the interval for which the well is open to the aquifer

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255707080255001. Local Number G 1637. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°57'07", long 80°25'50", in SW ¼ NE ¼ sec.3, T.52 S., R.39 E., Hydrologic Unit 03090202, at entrance of Opa-Locka West Training Airport, 0.2 mi northeast of the intersection of US 27 and SR 997 (Krome Avenue), and 10 mi northwest of Hialeah.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 26 ft, cased to 26 ft.

REVISED RECORDS.--WDR FL-85-2B:1979.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 5.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum.

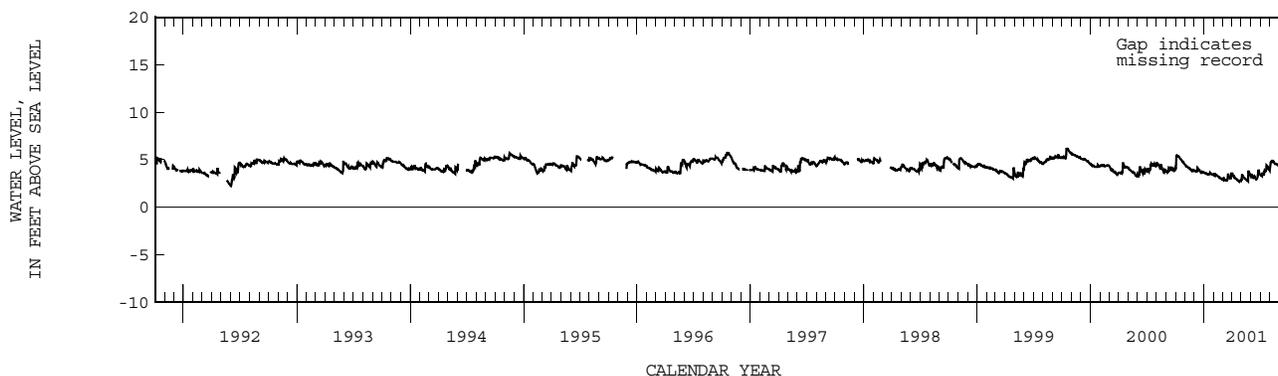
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.21 ft NGVD, Oct. 15, 1999; lowest, 2.19 ft NGVD, Apr. 26, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.40	4.31	3.78	3.59	3.51	3.08	3.25	3.35	3.25	3.30	4.81	4.40
10	5.36	4.19	4.17	3.50	3.34	2.84	3.08	3.08	3.10	3.47	4.82	4.59
15	5.18	4.08	3.92	3.50	3.24	2.80	2.97	2.95	3.07	3.85	4.67	5.15
20	4.95	3.95	3.71	3.64	3.12	3.44	2.81	2.80	2.98	3.85	4.55	5.00
25	4.77	3.95	3.70	3.47	3.01	3.07	2.71	3.63	3.94	4.15	4.49	4.95
EOM	4.48	3.86	3.65	3.42	2.95	3.31	2.78	3.25	3.43	3.89	4.30	5.38
MAX	5.44	4.46	4.17	3.64	3.52	3.55	3.60	3.84	3.94	4.43	4.85	5.44



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255709080223701. Local Number G 970. USGS Observation Well near Miami Lakes, FL.

LOCATION.--Lat 25°57'09", long 80°22'37", in SE ¼ NE ¼ sec.6, T.52 S., R.40 E., Hydrologic Unit 03090202, 0.5 mi south of Snake Creek, 3.5 mi east of US 27, and 4.7 mi west of Miami Lakes.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

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

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 3.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 7.00 ft above land-surface datum.

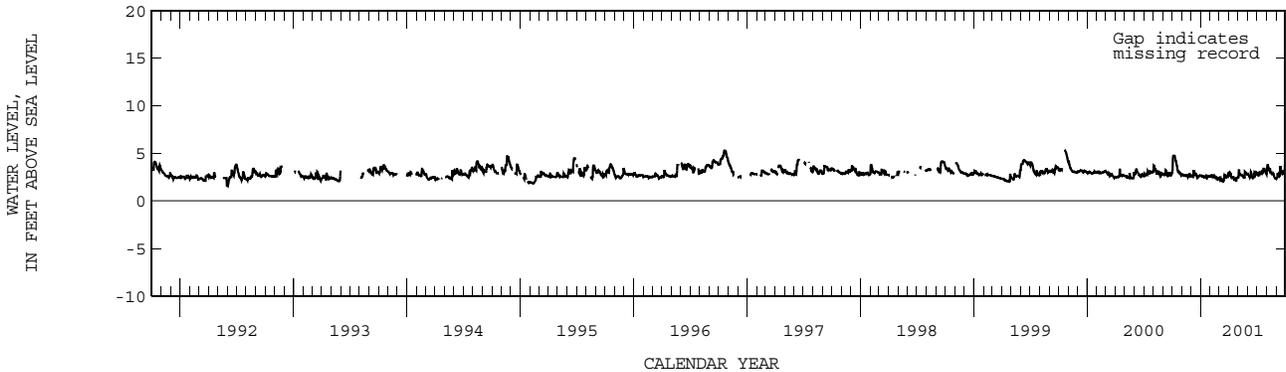
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey.

PERIOD OF RECORD.--January 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.55 ft NGVD, Nov. 22, 1959; minimum water level recorded, 1.35 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.78	2.78	2.58	2.61	2.74	2.50	2.70	2.87	2.63	2.70	3.70	2.91
10	4.46	2.73	3.15	2.49	2.66	2.28	2.47	2.62	2.62	2.87	3.21	2.88
15	3.78	2.64	2.86	2.59	2.45	2.09	2.53	2.70	2.52	3.06	3.01	3.52
20	3.13	2.74	2.48	2.65	2.34	2.72	2.22	2.50	2.49	2.96	2.81	2.92
25	2.89	2.91	2.64	2.58	2.41	2.57	2.17	3.06	3.08	3.26	2.58	3.18
EOM	2.73	2.62	2.67	2.60	2.34	2.68	2.45	2.68	2.95	2.83	2.35	3.94
MAX	4.78	2.91	3.15	2.67	2.74	2.86	3.08	3.24	3.08	3.40	3.76	3.96



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--263630080264801. Local Number G 1362. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°36'37", long 80°26'47", in NW ¼ NW ¼ sec.33, T.55 S., R.39 E., Hydrologic Unit 03090202, 30 ft east of SW 157th Avenue, 1.0 mi north of Eureka Drive, 2.0 mi east of SR 997 (Krome Avenue), and 5 mi west of Perrine.

AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 11 ft.

REVISED RECORDS.--WDR FL-85-2B:1980.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 11.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.21 ft above land-surface datum. Prior to June 6, 1996, measuring point was recorder shelf, 2.73 ft above land-surface datum.

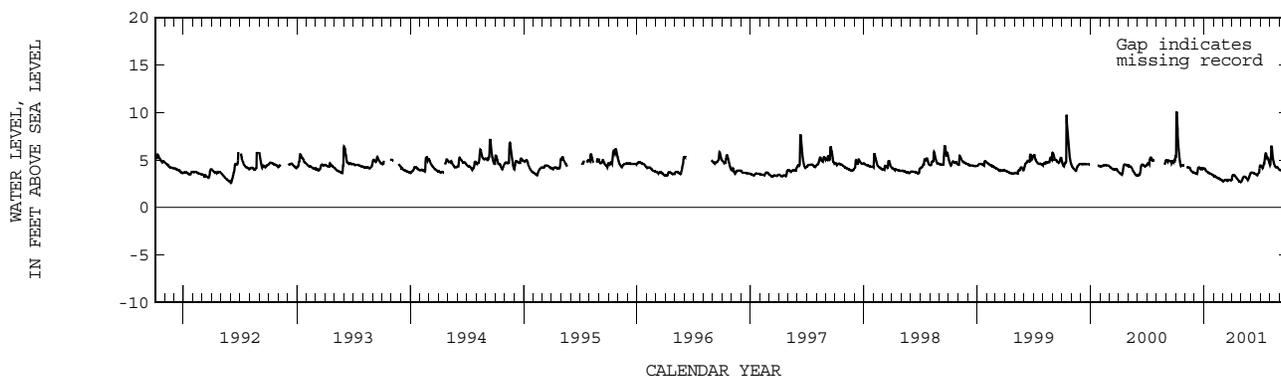
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--November 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.09 ft NGVD, Oct. 4, 2000; lowest, 0.29 ft NGVD, May 15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.30	---	3.62	4.02	3.30	2.84	3.42	3.04	3.68	4.32	6.38	3.95
10	6.61	4.23	3.69	3.80	3.20	2.93	3.35	3.27	3.63	4.37	5.20	4.18
15	4.89	4.19	4.22	3.68	3.11	2.91	3.14	3.20	3.55	4.98	4.54	4.82
20	4.44	3.94	4.08	3.58	3.03	2.91	2.93	3.00	3.42	5.58	4.22	4.85
25	4.46	3.73	4.10	3.50	2.92	2.92	2.73	3.18	3.62	5.26	4.25	4.66
EOM	---	3.67	4.13	3.38	2.85	2.92	2.72	3.66	4.43	4.58	4.02	5.80
MAX	10.09	4.27	4.22	4.13	3.35	2.94	3.42	3.66	4.43	5.70	6.50	5.80



## MISCELLANEOUS WATER LEVEL MEASUREMENTS

## MIAMI-DADE COUNTY

## MULTIPLE STATION ANALYSES

STATION NUMBER	LOCAL IDENTIFIER	LATITUDE	LONGITUDE	DATE	TIME	SPE CIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
253202080232601	G -3162	25 31 32 N	080 23 25 W	11-01-00	1153	2940	920	1.36
		25 31 32 N	080 23 25 W	01-31-01	1140	2900	960	1.72
		25 31 32 N	080 23 25 W	05-09-01	1155	3280	960	2.29
253652080183701	G - 939	25 36 52 N	080 18 37 W	11-03-00	0853	5260	1600	1.94
		25 36 52 N	080 18 37 W	04-05-01	1223	6210	2100	--
253819080183201	G -3610	25 38 19 N	080 18 32 W	11-03-00	0959	531	44.0	2.53
		25 38 19 N	080 18 32 W	04-05-01	1334	558	58.0	2.29
253831080180204	G -3313C	25 38 31 N	080 18 02 W	04-05-01	1512	12100	4300	--
253958080183001	G -3157	25 39 58 N	080 18 30 W	11-03-00	1155	218	9.0	3.69
		25 39 58 N	080 18 30 W	02-02-01	1130	358	24.0	3.32
		25 39 58 N	080 18 30 W	04-06-01	1130	423	32.0	--
254106080174601	G -1009B	25 41 06 N	080 17 46 W	04-05-01	1558	470	30.0	2.89
254156080172101	G -3607	25 41 56 N	080 17 21 W	11-03-00	1150	508	50.0	--
		25 41 56 N	080 17 21 W	02-05-01	0859	502	56.0	2.33
		25 41 56 N	080 17 21 W	04-05-01	1618	594	60.0	2.47
		25 41 56 N	080 17 21 W	08-21-01	1244	613	60.0	2.84
254341080174001	G -3606	25 43 41 N	080 17 40 W	11-03-00	1311	532	34.0	3.10
		25 43 41 N	080 17 40 W	02-05-01	1005	509	40.0	2.33
		25 43 41 N	080 17 40 W	04-06-01	0954	578	42.0	2.43
		25 43 41 N	080 17 40 W	08-21-01	1315	622	38.0	--
254457080160301	G -3229	25 44 57 N	080 16 03 W	10-23-00	1104	2030	540	--
		25 44 57 N	080 16 03 W	11-17-00	1240	2540	720	--
		25 44 57 N	080 16 03 W	12-21-00	0913	1830	495	--
		25 44 57 N	080 16 03 W	01-26-01	1322	2780	760	--
		25 44 57 N	080 16 03 W	02-22-01	1414	2920	780	--
		25 44 57 N	080 16 03 W	03-22-01	1359	3030	800	--
		25 44 57 N	080 16 03 W	04-25-01	0913	2950	800	--
		25 44 57 N	080 16 03 W	05-21-01	1425	3070	820	--
		25 44 57 N	080 16 03 W	06-18-01	1336	2590	820	--
		25 44 57 N	080 16 03 W	07-16-01	1416	3010	860	--
		25 44 57 N	080 16 03 W	08-20-01	1445	3140	820	--
		25 44 57 N	080 16 03 W	09-28-01	1400	1780	450	--
		254828080161501	G - 354	25 48 28 N	080 16 15 W	10-19-00	1323	670
25 48 28 N	080 16 15 W			01-26-01	0816	613	64.0	1.84
25 48 28 N	080 16 15 W			04-24-01	0928	622	78.0	1.67
25 48 28 N	080 16 15 W			07-16-01	0826	648	80.0	2.40
254908080125201	G -3603	25 49 08 N	080 12 52 W	11-08-00	0942	667	48.0	2.36
		25 49 08 N	080 12 52 W	04-11-01	1005	588	54.0	1.75
254923080120201	G -3226	25 49 23 N	080 12 02 W	11-20-00	1353	993	275	--
		25 49 23 N	080 12 02 W	05-30-01	0835	1040	285	--
255222080123001	G -3224	25 52 22 N	080 12 30 W	10-19-00	1200	587	44.0	--
		25 52 22 N	080 12 30 W	04-24-01	1215	596	46.0	--
255315080111501	F - 279	25 53 15 N	080 11 15 W	10-19-00	1040	8780	2750	--
255350080105801	G - 894	25 53 50 N	080 10 58 W	10-19-00	1114	481	28.0	2.55
		25 53 50 N	080 10 58 W	04-24-01	1253	488	30.0	.53

# Palm Beach County

## VOLUME 2B: SOUTH FLORIDA

Key to site locations on figure # 21  
Palm Beach County

Index Number	Site Number	Well Name	Page Number
1	264005080233501	PB 99	573
2	263328080085201	PB 445	567
3	264230080120501	PB 561	576
4	265812080053901	PB 565	586
5	263524080124301	PB 683	569
6	264208080192201	PB 685	575
7	265633080203001	PB 689	585
8	262218080070101	PB 732	554
9	264123080053801	PB 809	574
10	265106080241402	PB 831	581
11	262435080042904	PB 948	557
12	263044080035102	PB 1195	564
13	262317080074601	PB 1491	555
14	263021080070102	PB 1628	563
15	263656080033502	PB 1639	572
16	265233080054001	PB 1642	582
17	262410080090801	PB 1661	556
18	264839080115001	PB 1662	579
19	262209080044702	PB 1669	553
20	262159080054201	PB 1680	552
21	262130080080701	PB 1684	551
22	262033080064001	PB 1686	550
23	262755080040101	PB 1707	560
24	262713080041901	PB 1710	559
25	262803080041101	PB 1714	561
26	263453080031501	PB 1717	568
27	263633080031401	PB 1723	570
28	264643080033401	PB 1726	577
29	264717080033501	PB 1727	578
30	265550080070701	PB 1732	583
31	265611080080201	PB 1733	584
32	264858080044801	PB 1734	580
33	263053080034401	PB 1736	566

VOLUME 2B: SOUTH FLORIDA

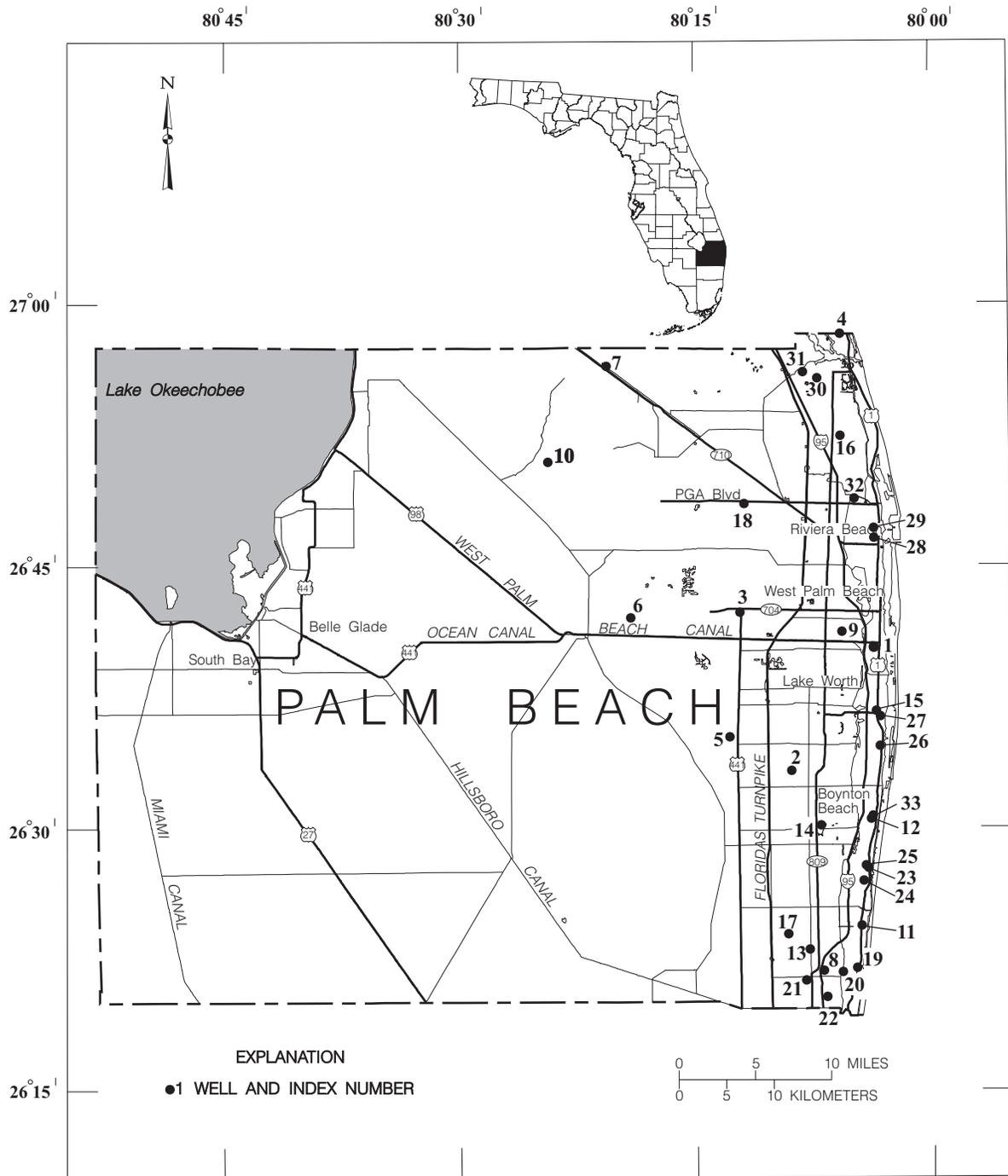


Figure 21: Location of wells in Palm Beach County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY

WELL NUMBER.--262033080064001. Local Number PB 1686. USGS Observation Well near Boca Raton, FL.

LOCATION.--Lat 26°20'34", long 80°06'41", in SW ¼ SW ¼ NE ¼ sec.25, T.47 S., R.42 E., Hydrologic Unit 03090202, 10 ft west of SW 12th Avenue, approximately 100 yards south of West Camino Real Road, 0.30 mi east of I-95 in Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.0 in., depth 131 ft, cased to 126 ft, screened 126 to 131 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum. Prior to October 1994, land-surface datum was considered to be 20.30 ft NGVD. See REMARKS.

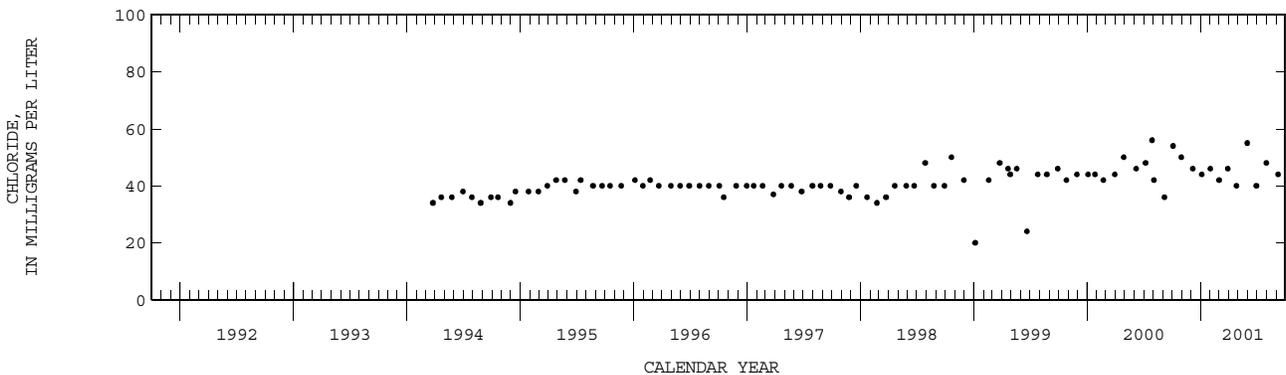
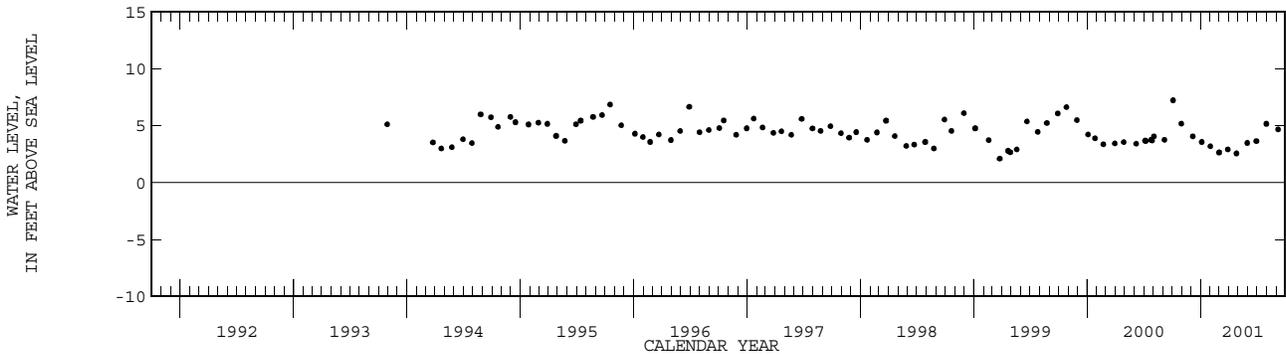
REMARKS.--Well also used for salinity monitoring. The figures of water levels, in feet NGVD, prior to October 1994 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.22 ft NGVD, Oct. 4, 2000; lowest, 2.09 ft NGVD, Mar. 25, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
04...	1127	492	54.0	7.22	26...	1426	528	40.0	2.56
30...	0816	491	50.0	5.16	MAY				
DEC					31...	1333	410	55.0	3.48
06...	1131	519	46.0	4.06	JUN				
JAN					29...	1644	509	40.0	3.64
04...	1206	518	44.0	3.56	JUL				
FEB					31...	1450	586	48.0	5.15
01...	1417	533	46.0	3.18	SEP				
MAR					07...	1123	571	44.0	4.66
01...	1236	531	42.0	2.64					
29...	0840	531	46.0	2.90					



PALM BEACH COUNTY--Continued

WELL NUMBER.--262130080080701. Local Number PB 1684. USGS Observation Well near Boca Raton, FL.

LOCATION.--Lat 26°21'30", long 80°08'07", in SE ¼ SW ¼ NW ¼ sec.23, T.47 S., R.42 E., Hydrologic Unit 03090202, 35 ft south of Verde Trail, 0.10 mi east of St. Andrews Road, 0.5 mi south of Glades Road and 0.6 mi west of Military Trail.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4.0 in., depth 40 ft, cased to 35 ft, screened 35 to 40 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 16.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.50 ft above land-surface datum. Prior to October 1994, land-surface datum was considered to be 17.50 ft NGVD. See REMARKS.

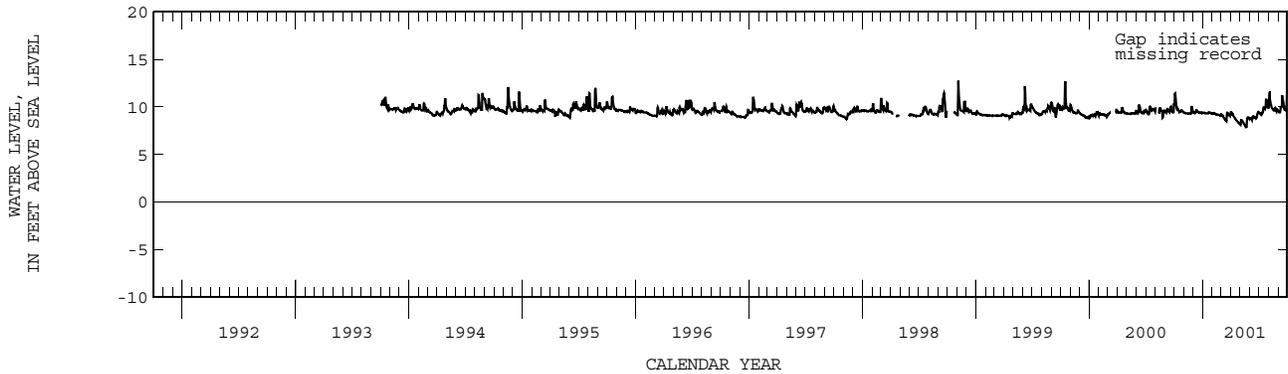
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1994 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.75 ft NGVD, Nov. 5, 1998; lowest, 7.82 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.06	9.38	9.42	9.40	9.35	9.15	9.36	8.64	8.82	9.34	10.91	9.44
10	9.75	9.34	9.37	9.36	9.28	8.87	9.10	8.45	8.93	9.26	10.09	10.01
15	9.63	9.31	9.59	9.35	9.22	8.62	8.85	8.14	8.91	9.96	9.78	10.82
20	9.52	9.32	9.42	9.45	9.19	9.41	8.58	7.91	8.89	9.80	9.63	9.89
25	9.64	10.02	9.44	9.42	9.17	9.22	8.40	8.81	9.23	10.44	9.65	9.67
EOM	9.43	9.50	9.40	9.34	9.16	9.22	8.20	8.81	9.50	9.85	9.66	11.46
MAX	11.44	10.02	9.69	9.45	9.38	9.41	9.48	8.91	9.51	10.80	11.50	11.93



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--262159080054201. Local Number PB 1680. USGS Observation Well near Boca Raton, FL.

LOCATION.--Lat 26°21'59", long 80°05'42", in SW ¼ SW ¼ SE ¼ sec.18, T.47 S., R.43 E., Hydrologic Unit 03090202, 100 yards east of El Rio Canal at NW 17th Street, 0.25 mi north of Glades Road, 1.5 mi east of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4.0 in., depth 40 ft, cased to 35 ft, screened 35 to 40 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 7.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.99 ft above land-surface datum. Prior to October 1994, land-surface datum was considered to be 17.00 ft NGVD. See REMARKS.

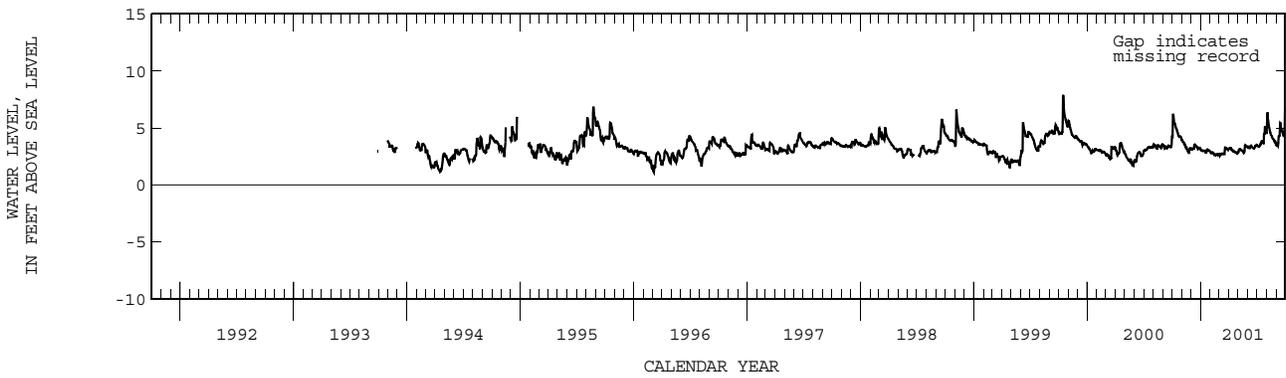
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1994 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.92 ft NGVD, present datum, Oct. 15, 1999; lowest, 1.16 ft NGVD, present datum, Mar. 6, 1996.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.03	3.81	3.15	3.03	2.81	2.63	3.18	3.15	3.32	3.39	5.81	3.52
10	5.28	3.55	3.18	3.01	2.81	2.77	3.17	3.10	3.45	3.45	4.96	4.32
15	4.89	3.32	3.46	2.98	2.69	2.71	2.97	2.99	3.34	3.82	4.46	5.42
20	4.37	2.97	3.30	3.04	2.70	3.29	2.91	2.84	3.24	3.70	4.10	4.71
25	4.27	3.16	3.28	3.06	2.63	3.21	2.88	3.48	3.41	4.49	3.90	4.31
EOM	4.01	3.18	3.12	2.97	2.69	3.17	2.82	3.34	3.50	4.47	3.66	6.48
MAX	6.26	3.97	3.52	3.10	2.92	3.29	3.22	3.49	3.52	5.14	6.36	6.77



PALM BEACH COUNTY--Continued

WELL NUMBER.--262209080044702. Local Number PB 1669. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°22'09", long 80°04'47", in NW ¼ SW ¼ SE ¼ sec.17, T.47 S., R.43 E., Hydrologic Unit 03090202, 20 ft south and 4 ft east of the junction of NE 5th Avenue and NE 4th Way, 0.1 mi north of NE 20th Street and 0.2 mi west of US 1, in downtown Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.0 in., depth 131 ft, cased to 131 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum. Prior to October 1994, land-surface datum was considered to be 20.30 ft NGVD. See REMARKS.

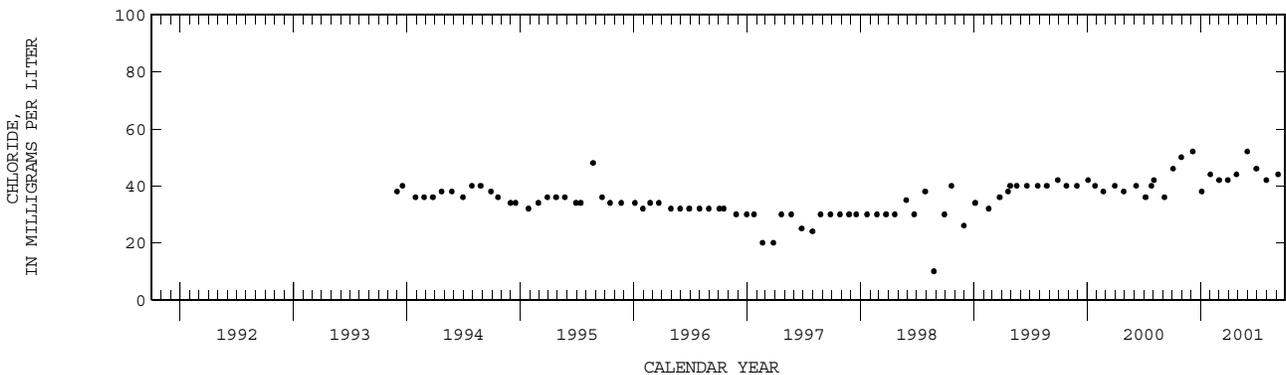
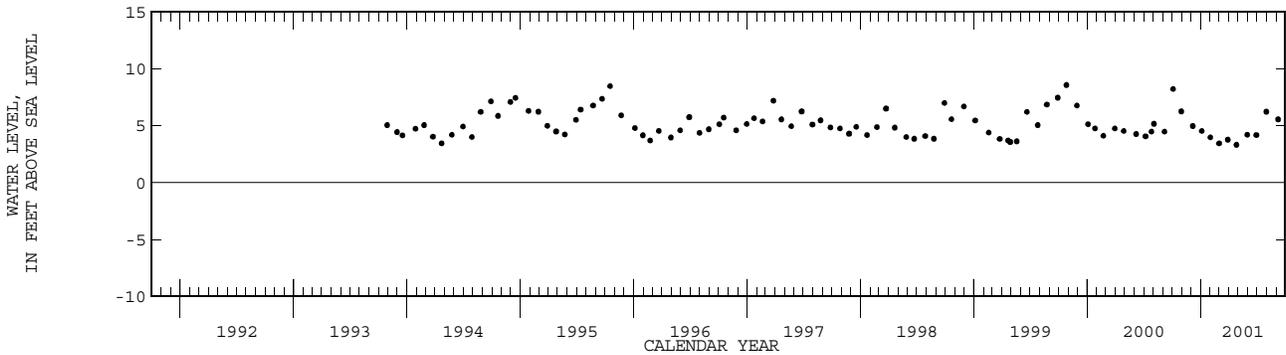
REMARKS.--Well also used for salinity monitoring. The figures of water levels as elevation, in feet NGVD, prior to October 1994 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.56 ft NGVD, Oct. 26, 1999; lowest, 3.31 ft NGVD, Apr. 26, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
04...	1026	484	46.0	8.21	26...	1353	478	44.0	3.31
30...	1711	488	50.0	6.24	MAY				
DEC					31...	1255	378	52.0	4.20
06...	1048	480	52.0	4.96	JUN				
JAN					29...	1602	476	46.0	4.17
04...	1117	487	38.0	4.52	JUL				
FEB					31...	1341	540	42.0	6.21
01...	1342	452	44.0	3.97	SEP				
MAR					07...	1049	526	44.0	5.54
01...	0929	487	42.0	3.43					
29...	0806	476	42.0	3.76					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--262218080070101. Local Number PB 732. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°22'18", long 80°07'01", in NE ¼ SW ¼ sec.13, T.47 S., R.42 E., Hydrologic Unit 03090202, 25 ft east of Airport Road, 0.35 mi north of Glades Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in. to 19 ft, 3 in. from 19 to 100 ft, depth 100 ft, cased to 100 ft, open end.

INSTRUMENTATION.--Electronic data logger.

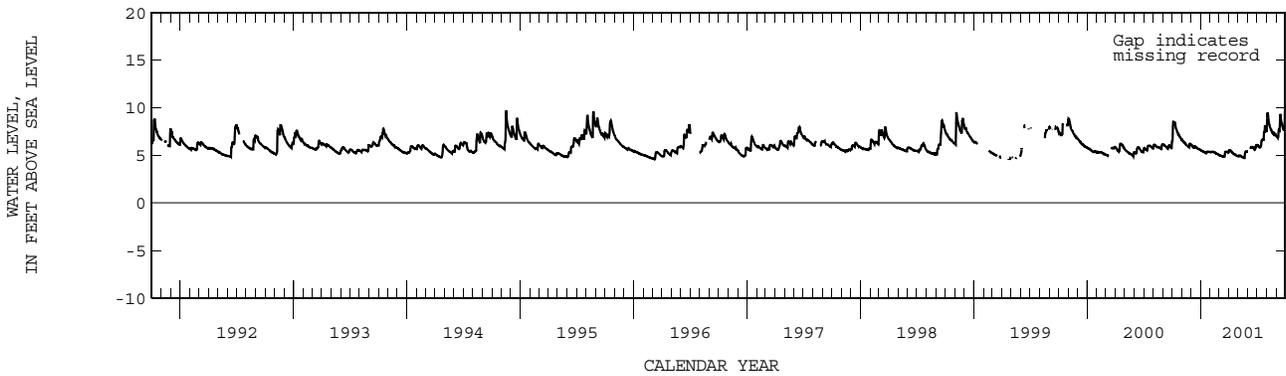
DATUM.--Land-surface datum is 11.93 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.30 ft NGVD, Sept. 29, 2001; lowest, 3.43 ft NGVD, May 6, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.54	6.51	5.96	5.46	5.40	4.97	5.56	5.01	--	5.98	9.18	6.94
10	8.38	6.30	5.77	5.38	5.37	4.97	5.42	4.94	5.78	5.85	8.18	7.69
15	7.64	6.13	5.95	5.31	5.32	4.86	5.25	4.84	5.89	6.51	7.71	9.25
20	7.27	5.96	5.79	5.33	5.18	5.36	5.14	4.78	5.75	6.69	7.35	8.17
25	6.98	6.18	5.70	5.41	5.13	5.39	5.05	5.39	5.81	7.48	7.16	7.71
EOM	6.71	6.16	5.61	5.36	5.10	5.34	4.92	5.44	6.12	7.46	7.11	9.97
MAX	8.54	6.70	6.10	5.53	5.40	5.39	5.56	5.45	6.12	8.10	9.52	10.30



PALM BEACH COUNTY--Continued

WELL NUMBER.--262317080074601. Local Number PB 1491. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°23'17", long 80°07'46", in SE ¼ NE ¼ sec.11, T.47 S., R.42 E., Hydrologic Unit 03090202, on the east bank of E 3 canal approximately 0.5 mi south of NW 51st Street (Yamato Road) at Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 138 ft, cased to 88 ft, screened 88 to 138 ft.

INSTRUMENTATION.--Satellite data collection platform with pressure transducer. Electronic data logger with pressure transducer prior to May 3, 2001.

DATUM.--Land-surface datum is 18.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum. Prior to March 7, 2000, measuring point was top of base, 1.81 ft above land-surface datum.

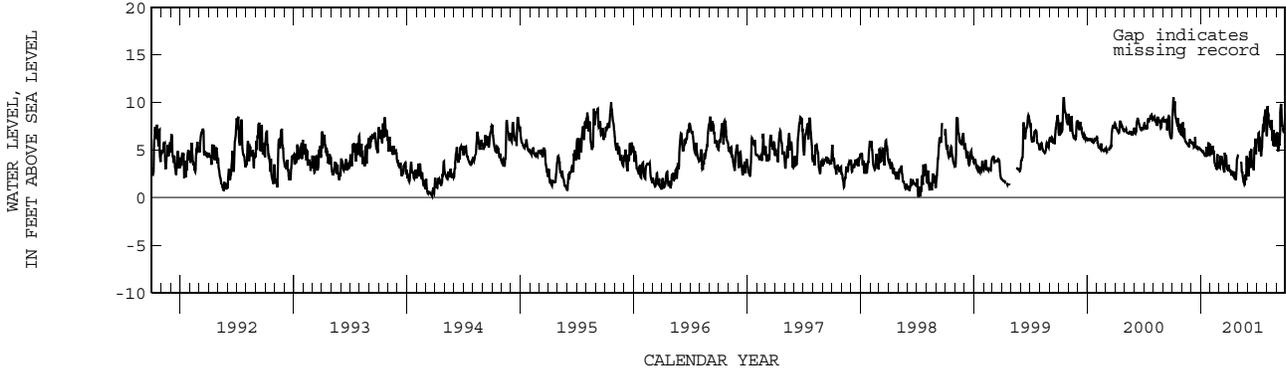
REMARKS.--This well is not at its listed depth. Depth was measured at 84 ft, below land-surface datum on September 18, 2001. The well was purged using an air compressor and checked with a borehole camera on September 18, 2001.

PERIOD OF RECORD.--April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.56 ft NGVD, Oct. 17, 1999; lowest, 3.04 ft below NGVD, Apr. 14, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.55	7.85	5.67	4.92	4.72	4.24	2.86	---	3.44	6.29	8.51	5.72
10	9.00	6.27	5.32	4.72	4.86	4.28	2.33	3.81	3.13	6.42	7.68	5.60
15	7.94	5.82	5.53	4.40	3.55	3.02	2.40	2.32	3.75	4.76	7.11	9.43
20	7.28	5.56	5.26	4.57	3.07	4.52	2.68	1.65	2.90	7.70	6.41	7.79
25	6.88	5.76	5.22	5.70	3.53	3.40	2.52	2.46	5.89	8.52	6.23	6.90
EOM	6.64	5.88	5.10	5.65	3.24	2.79	4.45	2.40	5.63	6.81	6.76	8.79
MAX	10.55	7.85	6.37	5.79	5.43	4.74	4.45	4.55	6.21	9.20	9.61	9.87



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--262410080090801. Local Number PB 1661. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°24'10", long 80°09'08", in SE ¼ SW ¼ NW ¼ sec.3, T.47 S., R.42 E., Hydrologic Unit 03090202, at sewage lift station near junction of NW 31st Way and NW 61st Street within Seasons of Boca Raton development, off Jog Road, 0.10 mi south of Clint Moore Road, in Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 15 ft, screened from 15 to 25 ft.

INSTRUMENTATION.--Electronic data logger.

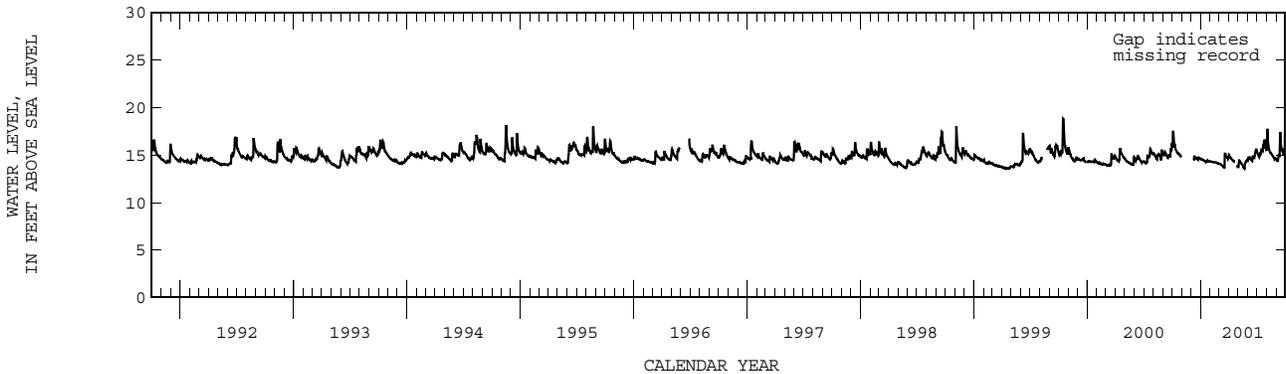
DATUM.--Land-surface datum is 19.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.40 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.83 ft NGVD, Oct. 15, 1999; lowest, 13.57 ft NGVD, Apr 23, 1999.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.15	---	---	14.53	14.30	14.07	14.82	14.43	14.74	15.03	16.59	14.38
10	15.84	---	14.51	14.44	14.28	13.90	14.63	14.20	14.61	14.97	15.49	15.02
15	15.39	---	14.75	14.36	14.25	13.76	14.43	13.95	14.38	15.55	15.18	16.65
20	15.10	---	14.59	14.33	14.19	15.20	14.30	13.64	14.69	15.71	14.92	15.44
25	15.01	---	14.75	14.37	14.11	14.80	---	14.15	15.28	15.95	14.71	15.07
EOM	---	---	14.62	14.34	14.09	14.70	13.75	14.39	15.45	15.43	14.58	16.89
MAX	17.55	---	14.85	14.60	14.32	15.20	15.05	14.44	15.58	16.62	17.77	17.58



PALM BEACH COUNTY--Continued

WELL NUMBER.--262435080042904. Local Number PB 948. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°24'37", long 80°04'28", in SE ¼ SE ¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, about 570 ft east of US-1 and 800 ft north of Coventry Street.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 175 ft, cased to 170 ft, screened to 170 to 175 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.77 ft above land-surface datum.

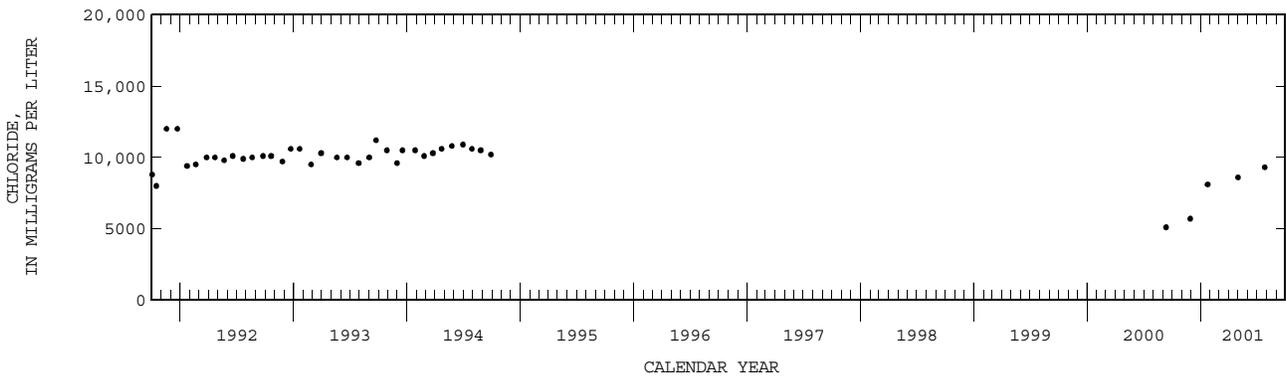
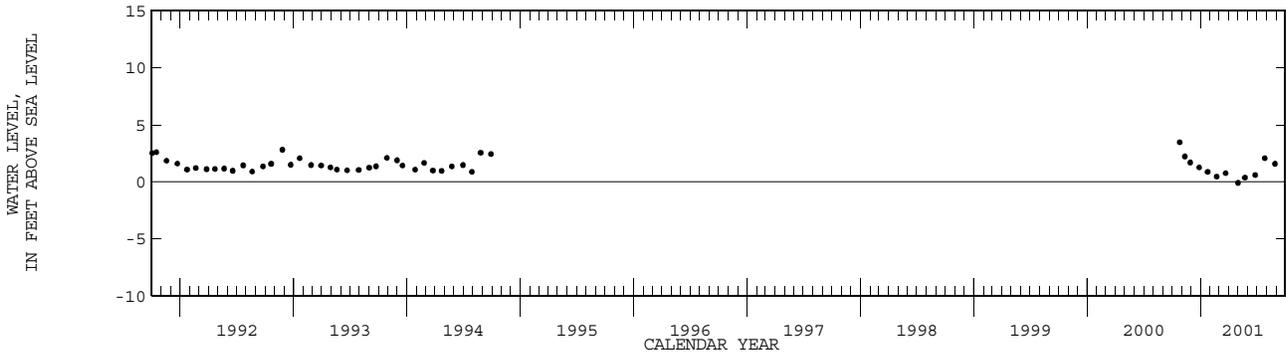
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface on ground water. See EXPLANATION OF RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

PERIOD OF RECORD.--November 1976 to September 1978 (monthly), October 1978 to September 1982 (quarterly), November 1982 to September 1994 (monthly), October 2000 to current year.

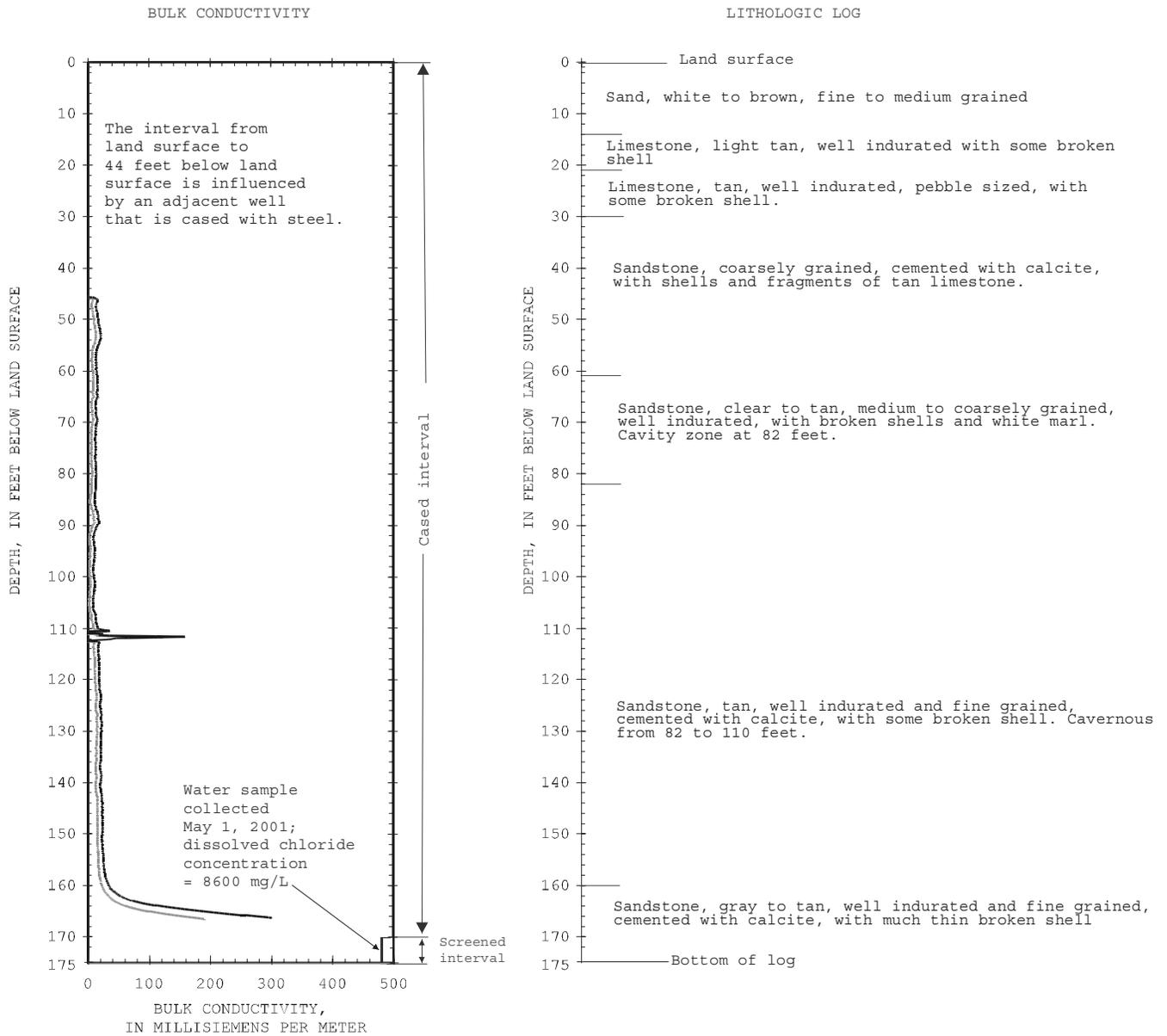
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.02 ft NGVD, Jan. 17, 1977; lowest, 0.10 ft below NGVD, May 1, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 25...	0944	--	--	3.45	MAR 22...	0750	--	--	.75
NOV 11...	1553	--	--	2.21	MAY 01...	0845	24500	8600	-0.10
NOV 28...	0928	16400	5700	1.68	MAY 23...	0813	--	--	.35
DEC 27...	0859	--	--	1.24	JUN 25...	1040	--	--	.59
JAN 23...	1516	22900	8100	.85	JUL 26...	1419	27900	9300	2.05
FEB 21...	0800	--	--	.45	AUG 28...	1053	--	--	1.57



WELL NUMBER.--262435080042904. Local Number PB 948. USGS Observation Well in Boca Raton, FL.--Continued



EXPLANATION

- Bulk conductivity, in millisiemens per meter, May 1, 2001
- Shaded line represents bulk conductivity, in millisiemens per meter, September 11, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--262713080041901. Local Number PB 1710. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°27'13", long 80°04'19", in NW 1/4 NW 1/4 sec.21, T.46 S., R.43 E., Hydrologic Unit 03090202, on north side of SE 5th Street, next to guardrail, between SE 3rd Avenue and railroad tracks, 0.3 mi west of US-1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 222 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

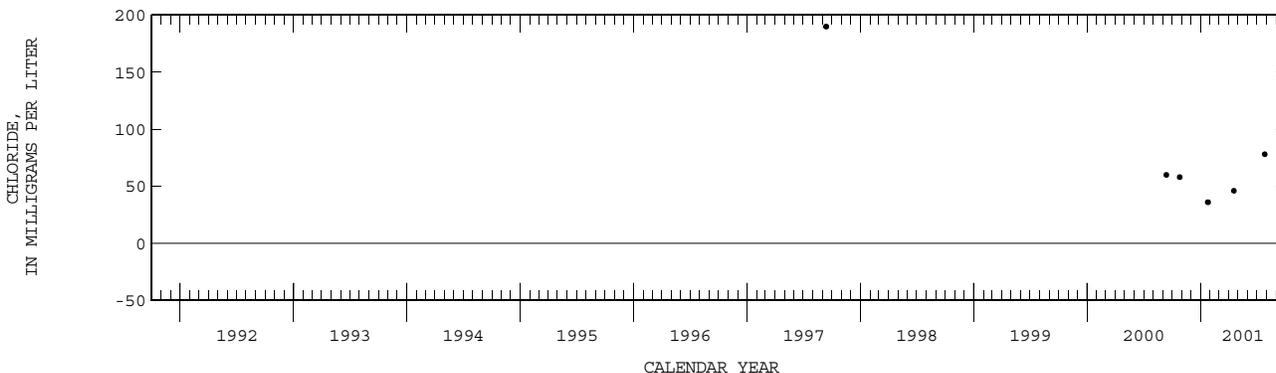
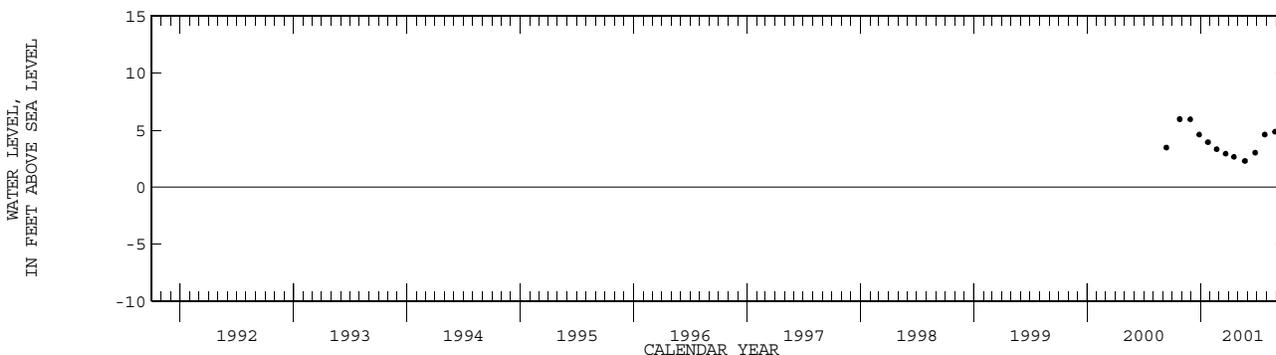
REMARKS.--Well is also used for salinity monitoring. Only salinity was measured prior to October 2000.

PERIOD OF RECORD.--September 1997 to September 2000 (intermittent), October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.95 ft NGVD, Oct. 25, 2000; lowest, 2.28 ft NGVD, May 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 25...	1110	696	58.0	5.95	APR 18...	1548	378	46.0	2.64
NOV 28...	1010	--	--	5.93	MAY 23...	0854	--	--	2.28
DEC 27...	0949	--	--	4.60	JUN 25...	1101	--	--	3.01
JAN 24...	0920	284	36.0	3.92	JUL 26...	1515	760	78.0	4.60
FEB 21...	0900	--	--	3.31	AUG 28...	1107	--	--	4.85
MAR 22...	0832	--	--	2.92					



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--262755080040101. Local Number PB 1707. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°27'55", long 80°04'01", in SE ¼ NW ¼ sec.16, T.46 S., R.43 E., Hydrologic Unit 03090202, on NE 6th Avenue 1 block east of US-1, on south side of NE 2nd Street.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 161 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

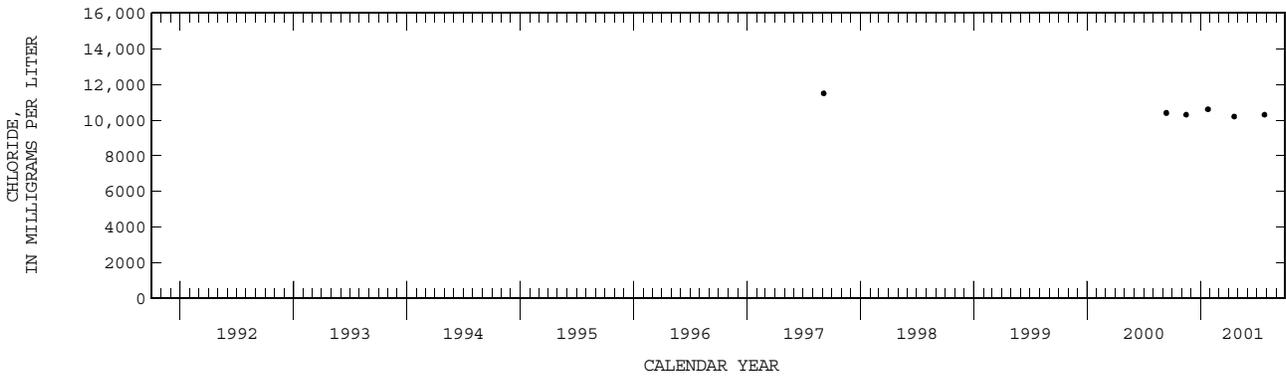
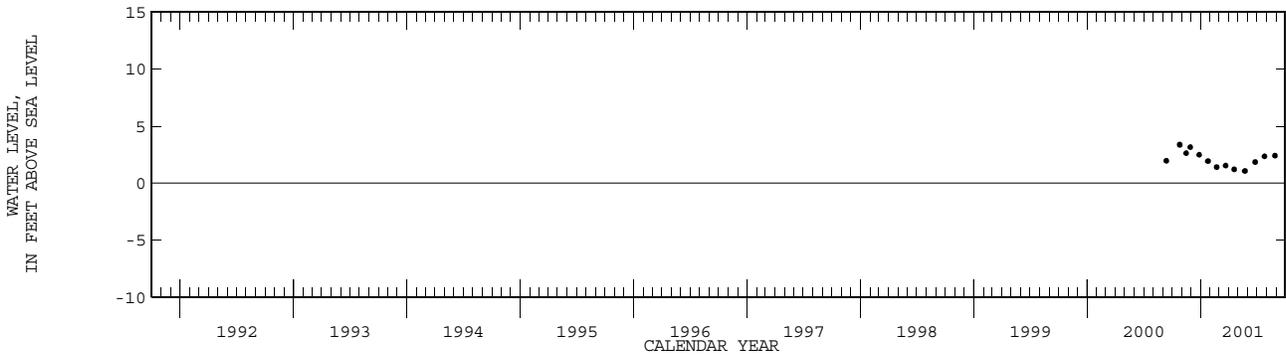
REMARKS.--Well is also used for salinity monitoring. Only salinity was measured prior to September 2000.

PERIOD OF RECORD.--September 1997 to September 2000 (intermittent), October 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.36 ft NGVD, Oct. 25, 2000; lowest, 1.05 ft NGVD, May 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT 25...	1222	--	--	3.36	APR 19...	0845	28800	10200	1.20
NOV 15...	1044	29100	10300	2.62	MAY 23...	0914	--	--	1.05
NOV 28...	1026	--	--	3.15	JUN 25...	1130	--	--	1.84
DEC 27...	1000	--	--	2.47	JUL 25...	1543	30400	10300	2.34
JAN 24...	0951	28800	10600	1.92	AUG 28...	1119	--	--	2.40
FEB 21...	0915	--	--	1.40					
MAR 22...	0846	--	--	1.52					



PALM BEACH COUNTY--Continued

WELL NUMBER.--262803080041101. Local Number PB 1714. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°27'56", long 80°04'12", in NW ¼ NW ¼ sec.16, T.46 S., R.43 E., Hydrologic Unit 03090202, 16 ft east of the Florida East Coast Railroad and 22 ft north of the centerline of NE 2nd Street, 0.10 mi west of US-1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 159 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

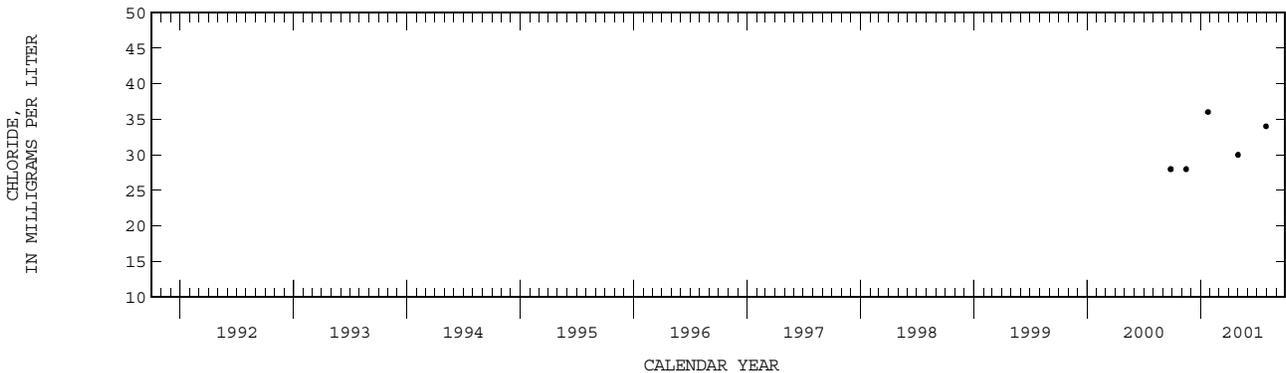
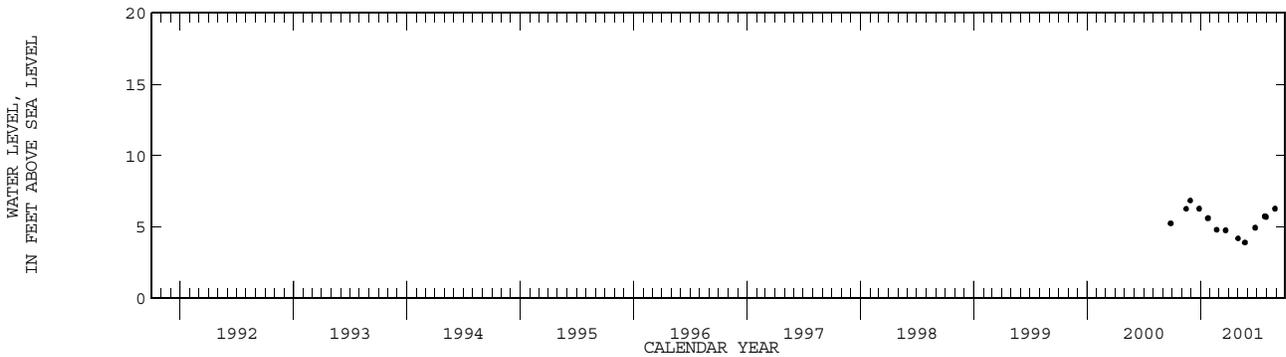
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface on ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. Induction log data contains spikes that occur at 40 ft increments. The spike data could be caused by well centralizers.

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

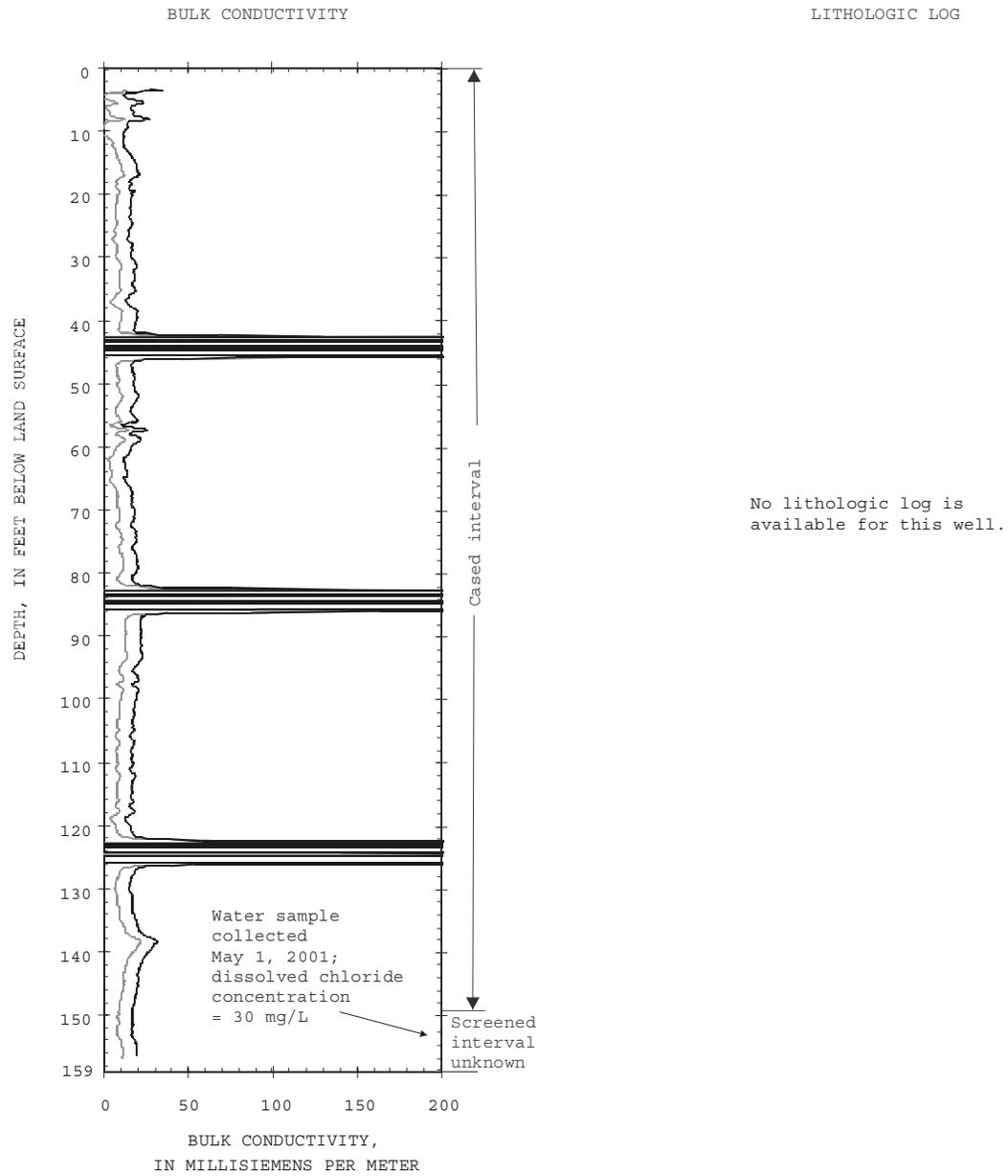
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.85 ft NGVD, Nov. 28, 2000; lowest, 3.90 ft NGVD, May 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV					MAY				
15...	1157	479	28.0	6.27	01...	1021	477	30.0	4.19
28...	1040	--	--	6.85	23...	0923	--	--	3.90
DEC					JUN				
27...	1014	--	--	6.28	25...	1144	--	--	4.94
JAN					JUL				
24...	1023	494	36.0	5.61	26...	1612	--	--	5.74
FEB					27...	0836	--	--	5.73
21...	0926	--	--	4.80	30...	1606	525	34.0	5.70
MAR					AUG				
22...	0858	--	--	4.76	28...	1124	--	--	6.28



WELL NUMBER.--262803080041101. Local Number PB 1714. USGS Observation Well near Delray Beach, FL.--Continued



EXPLANATION

- Bulk conductivity, in millisiemens per meter, May 1, 2001
- ▨ Shaded line represents bulk conductivity, in millisiemens per meter, of log collected September 26, 2000

PALM BEACH COUNTY--Continued

WELL NUMBER.--263021080070102. Local Number PB 1628. USGS Observation Well near Boynton Beach, FL.

LOCATION.--Lat 26°30'21", long 80°07'01", in SE ¼ SE ¼ NW ¼ sec.36, T.45 S., R.42 E., Hydrologic Unit 03090202, 33 ft north of Golf Road, .4 mi east of Military Trail, .38 mi south of Woolbright Road and 3.15 mi west of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 109 ft, cased to 104 ft, screened from 104 to 109 ft.

INSTRUMENTATION.--Electronic data logger with pressure transducer.

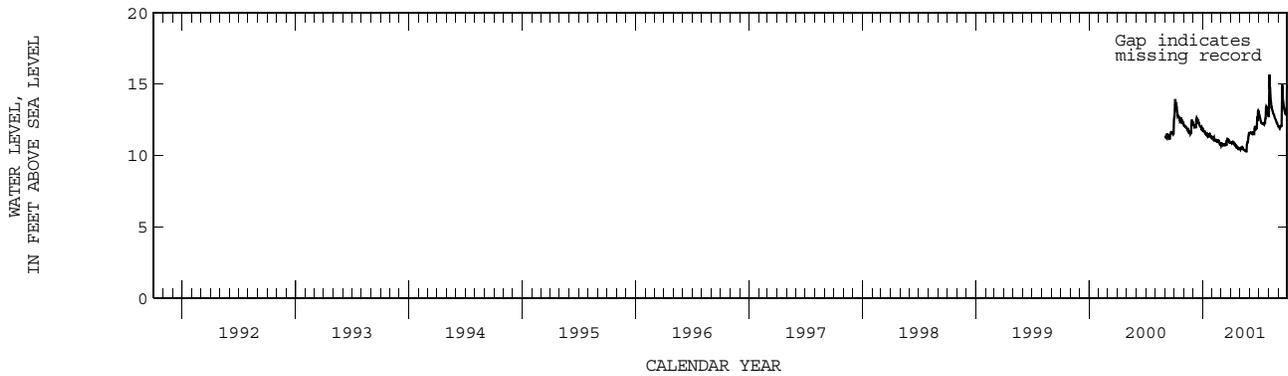
DATUM.--Land-surface datum is 17.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base 4.26 ft above land-surface datum.

PERIOD OF RECORD.--May 1988 to April 1993 (semiannual), November 1993 to July 1995 (quarterly), August 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.68 ft NGVD, Aug. 3, 2001; lowest, 10.29 ft NGVD, May 20-22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.83	12.13	12.04	11.63	11.21	10.73	10.88	10.58	11.59	12.58	14.74	12.00
10	13.11	11.93	11.91	11.49	11.07	10.76	10.94	10.46	11.64	12.27	13.40	12.08
15	12.74	11.80	12.47	11.40	11.01	10.76	10.74	10.39	11.50	12.23	13.02	14.55
20	12.45	11.66	12.20	11.38	10.98	11.11	10.50	10.29	11.90	12.31	12.71	13.31
25	12.47	12.24	12.01	11.33	10.85	10.97	10.53	10.93	12.62	13.41	12.42	12.89
EOM	12.23	12.31	11.75	11.19	10.79	10.93	10.50	11.53	13.12	12.76	12.11	14.70
MAX	13.96	12.46	12.62	11.82	11.25	11.16	10.95	11.55	13.17	13.47	15.68	14.96



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--263044080035102. Local Number PB 1195. USGS Observation Well near Boynton Beach, FL.

LOCATION.--Lat 26°30'50", long 80°03'46", in NW ¼ NW ¼ NE ¼ sec.33, T.45 S., R.43 E., Hydrologic Unit 03090202, about 460 ft south of Woolbright Road, 0.5 mi east of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, diameter 4 in., depth 325 ft, cased to 300 ft, screened 300 to 320 ft.

INSTRUMENTATION.--Quarterly measurement with chalked tape.

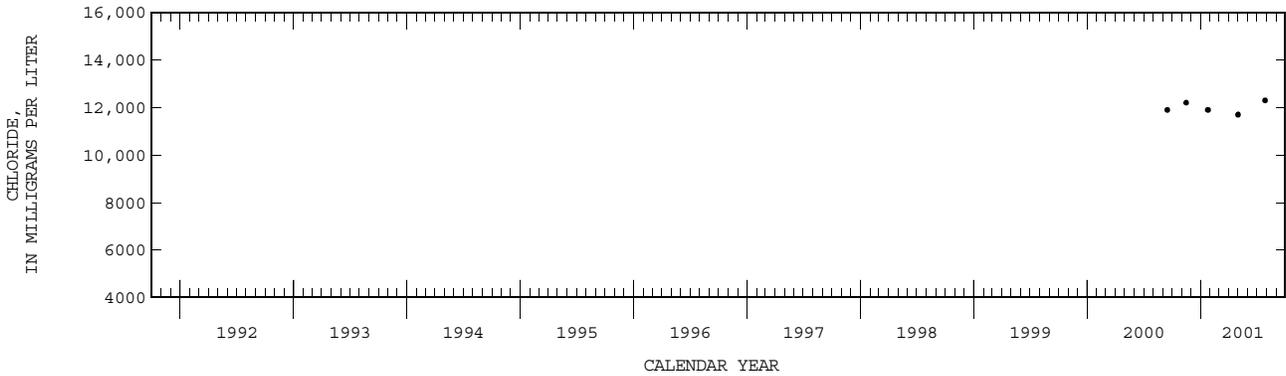
DATUM.--Land-surface datum is 19 ft above National Geodetic Vertical Datum of 1929 from topographic map. A measuring point elevation is not available for this well at this time.

REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface on ground water. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

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

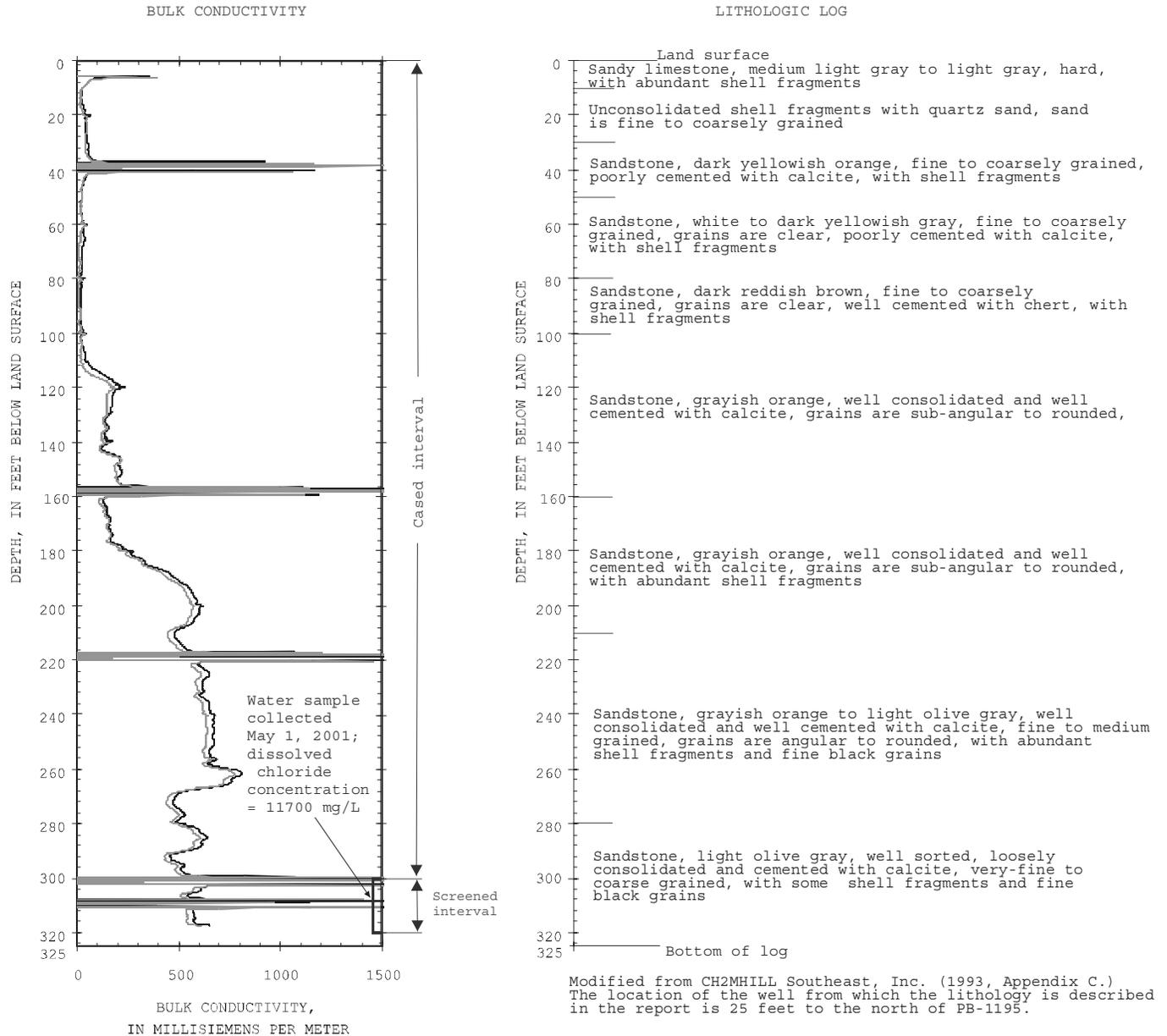
WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL (00940)
NOV 15...	1350	34200	12200	MAY 01...	1148	34100	11700
JAN 24...	1219	34400	11900	JUL 27...	1025	36600	12300



PALM BEACH COUNTY--Continued

WELL NUMBER.--263044080035102. Local Number PB 1195. USGS Observation Well near Boynton Beach, FL.--Continued



EXPLANATION

- Bulk conductivity, in millisiemens per meter, May 1, 2001
- Shaded line represents bulk conductivity in millisiemens per meter collected September 15, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--263053080034401. Local Number PB 1736. USGS Observation Well near Boynton Beach, FL.

LOCATION.--Lat 26°30'53", long 80°03'36", in NW ¼ NE ¼ sec.33, T.45 S., R.43 E., Hydrologic Unit 03090202, on SE 15th Avenue and US-1, on sidewalk at southwest corner, 80 ft east of entrance to mall parking lot.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 178 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

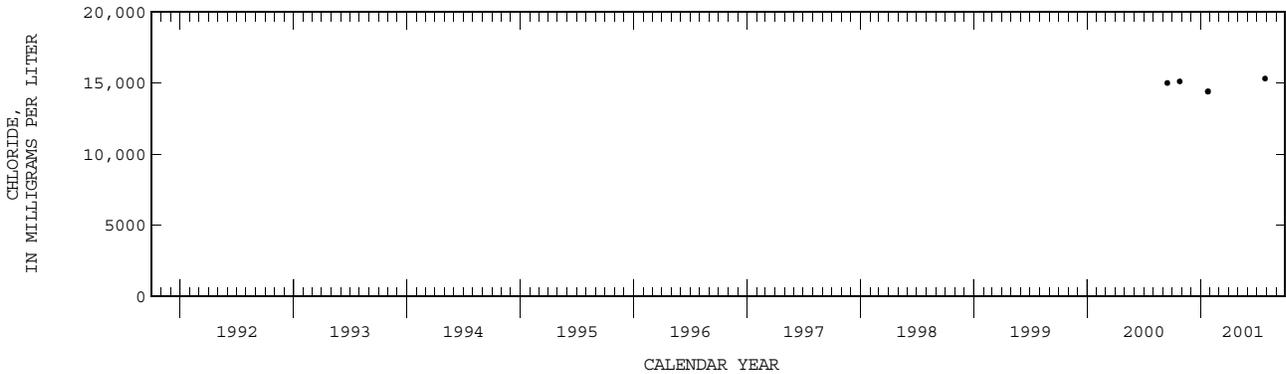
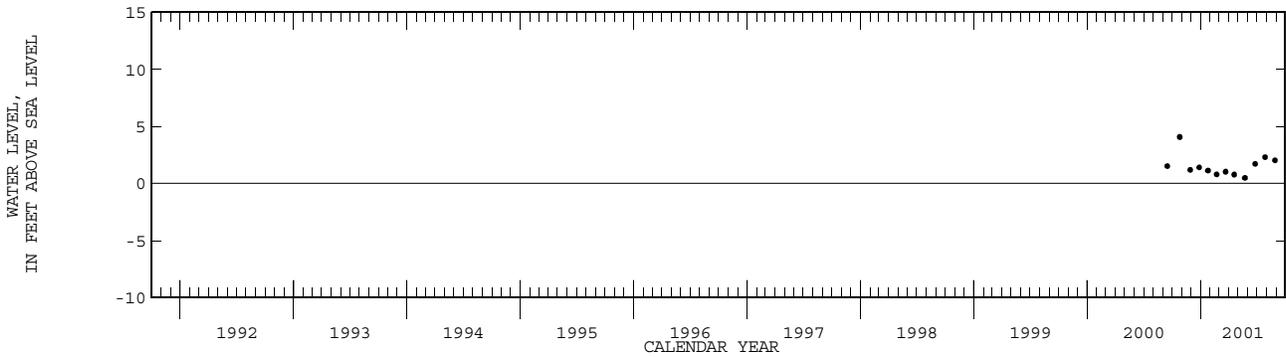
REMARKS.--Well is also used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.07 ft NGVD, Oct. 25, 2000; lowest, 0.48 ft NGVD, May 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
OCT					APR				
25...	1333	42300	15100	4.07	19...	0918	--	--	.78
NOV					MAY				
28...	1102	--	--	1.19	23...	0945	--	--	.48
DEC					JUN				
27...	1056	--	--	1.40	25...	1201	--	--	1.71
JAN					JUL				
24...	1104	41200	14400	1.13	27...	0941	45100	15300	2.31
FEB					AUG				
21...	1014	--	--	.79	28...	1400	--	--	2.03
MAR									
22...	0929	--	--	1.03					



PALM BEACH COUNTY--Continued

WELL NUMBER.--263328080085201. Local Number PB 445. USGS Observation Well near Lantana, FL.

LOCATION.--Lat 26°33'28", long 80°08'52", in SE ¼ NW ¼ sec.10, T.45 S., R.42 E., Hydrologic Unit 03090202, approximately 80 ft off the east side of Jog Road, 1.0 mi south of Hypoluxo Road and 2.2 mi west of Military Trail (SR-809) and 9.5 mi southwest of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 11.4 ft, cased to 11.4 ft, gravel packed from 10 to 12 ft.

REVISED RECORDS.--WDR FL-81-2B:1980.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 18.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base 2.66 ft above land-surface datum. Prior to April 1999, land-surface datum was considered to be 20.20 ft above NGVD. Prior to October 1975, land-surface datum was considered to be 19.00 ft NGVD. See REMARKS.

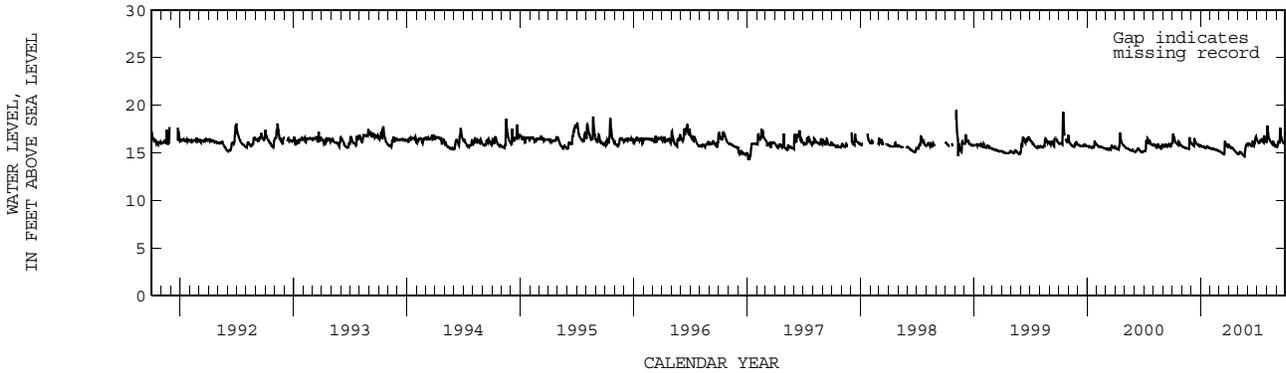
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. Published figures of water levels as elevation, in feet NGVD, prior to October 1998 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--January 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.49 ft NGVD, at present datum, Nov. 5, 1998; lowest, 13.84 ft NGVD, at present datum, Sept. 25, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.84	15.64	15.84	15.65	15.43	15.17	15.58	15.08	16.00	16.15	17.16	15.81
10	16.25	15.56	15.74	15.67	15.41	15.02	15.55	15.02	15.82	16.26	16.42	16.06
15	16.02	15.50	16.15	15.54	15.35	14.87	15.46	14.84	15.61	16.44	16.13	17.15
20	15.80	15.47	15.92	15.61	15.32	16.18	15.25	14.70	15.87	16.22	15.87	16.29
25	15.97	16.64	15.82	15.60	15.25	15.75	15.04	15.50	16.39	16.45	15.88	16.04
EOM	15.73	16.07	15.79	15.50	15.21	15.87	14.89	15.85	16.40	16.21	15.72	16.87
MAX	17.03	16.64	16.56	15.79	15.48	16.18	15.76	15.90	16.70	16.76	17.89	17.60



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--263453080031501. Local Number PB 1717. USGS Observation Well near Lantana, FL.

LOCATION.--Lat 26°34'53", long 80°03'15", in SW ¼ NW ¼ sec.3, T.45 S., R.43 E., Hydrologic Unit 03090202, on Wickline Road west of US-1, in planter in NE corner of apartment building #330 parking lot, well is most eastern well of two wells.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 148 ft, cased to 138 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

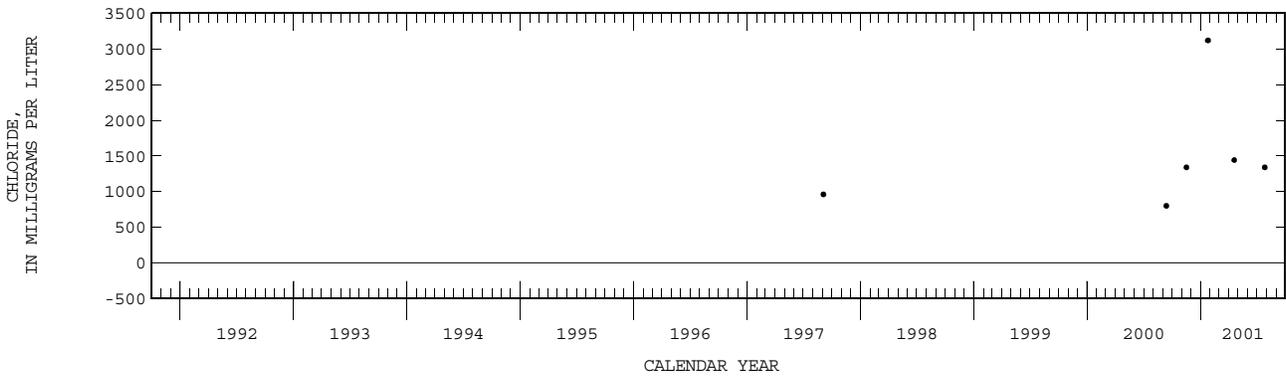
DATUM.--Land-surface datum, elevation is not available. Measuring point: Top of casing at land-surface datum. See REMARKS.

REMARKS.--Well is also used for salinity monitoring. Water levels cannot be published until datum is established.

PERIOD OF RECORD.--September 1997 to September 2000 (intermittent), October 2000 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
NOV 16...	0810	4240	1340	APR 19...	0958	4450	1440
JAN 24...	1333	5800	3120	JUL 26...	1120	4470	1340



PALM BEACH COUNTY--Continued

WELL NUMBER.--263524080124301. Local Number PB 683. USGS Observation Well near West Palm Beach, FL.

LOCATION.--Lat 26°35'24", long 80°12'43", in NW ¼ NW ¼ sec.37, T.44 S., R.41 E., Hydrologic Unit 03090202, 0.3 mi west of US 441 south of Lantana Road near TV tower and 11 mi southwest of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 17 ft, open end.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 17.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.95 ft above land-surface datum. Prior to October 1989, land-surface datum was considered to be 16.00 ft NGVD. See REMARKS.

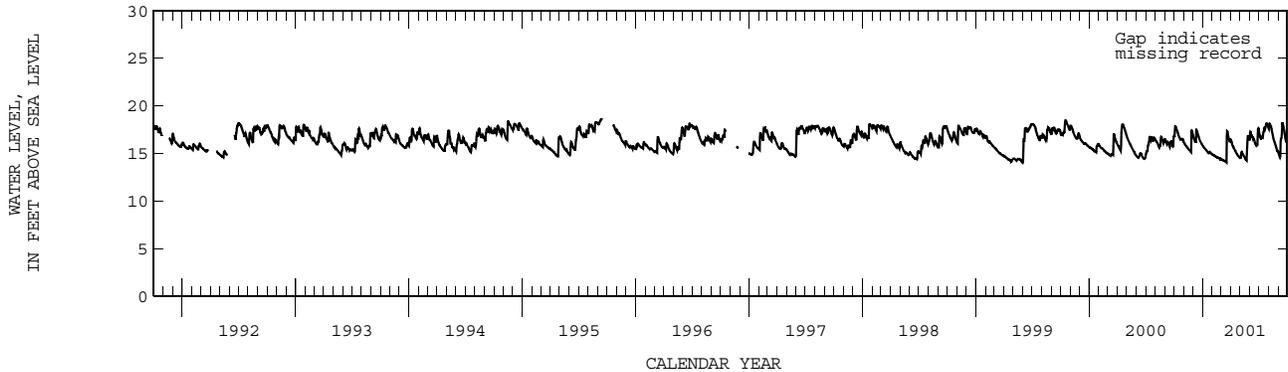
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1989 are in error. See DATUM.

PERIOD OF RECORD.--October 1973 to May 1977, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.62 ft NGVD, Sept. 13, 1995; lowest, 13.61 ft NGVD, present datum, May 5-8, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.85	15.98	16.39	15.62	14.82	14.34	15.98	15.15	17.06	16.75	18.15	14.67
10	17.45	15.75	16.11	15.41	14.71	14.24	15.65	14.92	16.72	16.77	17.61	16.57
15	16.91	15.51	17.15	15.22	14.60	14.16	15.35	14.60	16.40	17.26	16.81	18.13
20	16.51	15.30	16.60	15.02	14.55	17.34	15.01	14.36	15.94	17.61	16.18	17.41
25	16.51	17.34	16.24	15.15	14.43	16.59	14.76	16.45	15.95	18.14	15.65	16.41
EOM	16.24	16.85	15.88	14.92	14.40	16.52	14.55	16.54	17.55	17.69	15.17	17.71
MAX	17.85	17.43	17.53	15.82	14.89	17.34	16.43	16.80	17.65	18.14	18.16	18.13



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--263633080031401. Local Number PB 1723. USGS Observation Well in Lake Worth, FL.

LOCATION.--Lat 26°36'36", long 80°03'13", in SE ¼ SE ¼ NW ¼ sec.27, T.44 S., R.43 E., Hydrologic Unit 03090202, at the northwest corner of the intersection of South M Street and 5th Avenue, 3 ft west of well MW-3, 0.9 mi east of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 318 ft, cased to 310 ft, screened 310 to 315 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

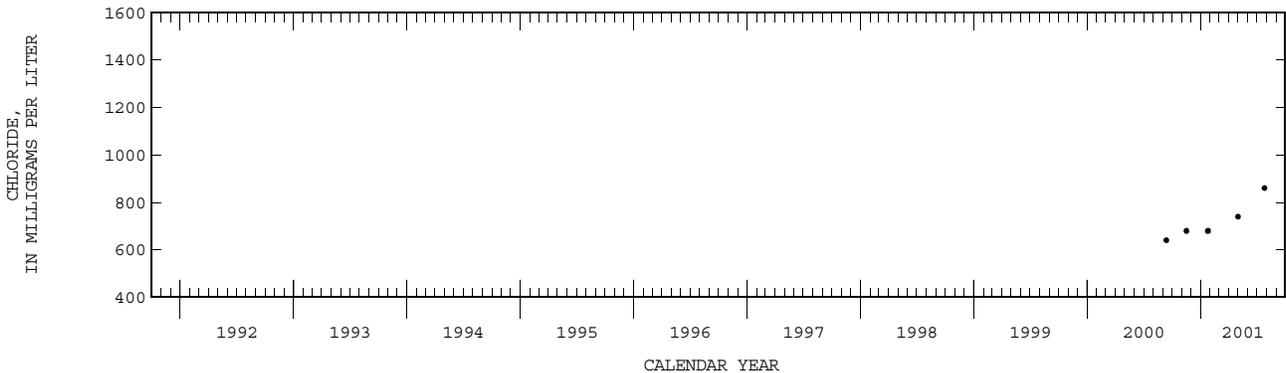
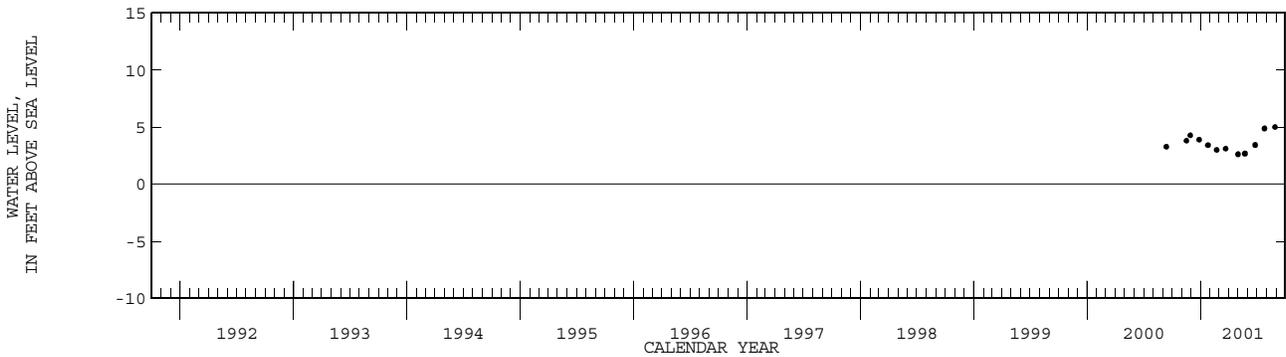
REMARKS.--Well is also used for salinity monitoring, including an annual induction log. Induction logs are used to assess the movement of the fresh-water/salt-water interface on ground water. Instrument calibration procedures, accuracy, and precision of induction logs are explained in detail in the RECORDS OF BULK CONDUCTIVITY section. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.01 ft NGVD, Aug. 28, 2001; lowest, 2.62 ft NGVD, May 1, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	ELEV- ATION ABOVE NGVD (FEET) (72020)
NOV					MAY				
16...	0907	2390	680	3.80	01...	1407	2580	740	2.62
28...	1659	--	--	4.28	23...	1054	--	--	2.68
DEC					JUN				
27...	1245	--	--	3.90	25...	1257	--	--	3.43
JAN					JUL				
24...	1356	2400	680	3.41	25...	1152	3040	860	4.88
FEB					AUG				
21...	1125	--	--	2.99	28...	1243	--	--	5.01
MAR									
22...	1038	--	--	3.11					

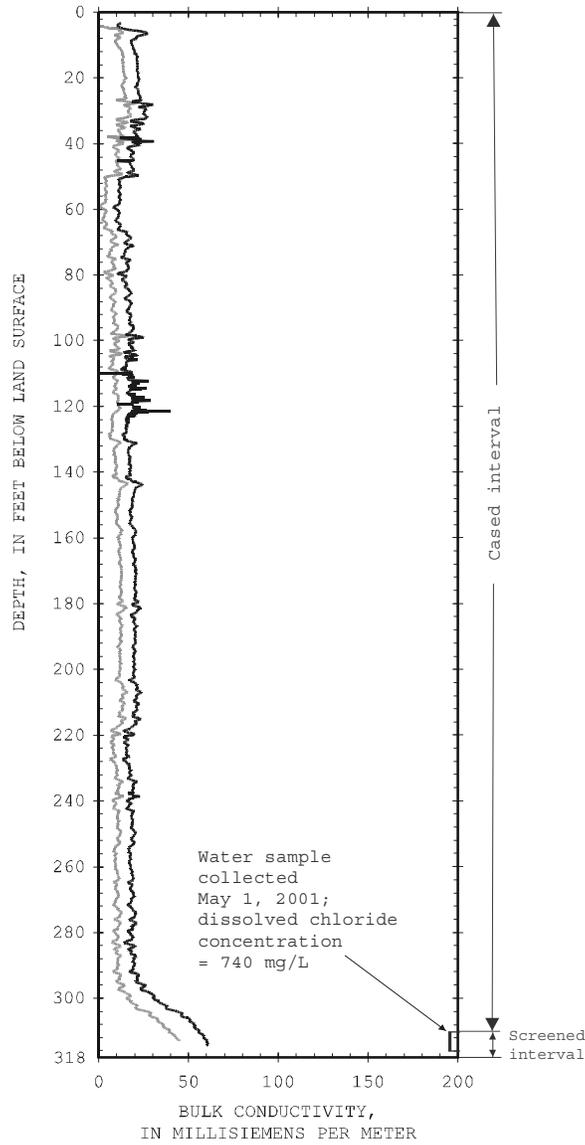


PALM BEACH COUNTY--Continued

WELL NUMBER.--263633080031401. Local Number PB 1723. USGS Observation Well in Lake Worth, FL.--Continued

BULK CONDUCTIVITY

LITHOLOGIC LOG



No lithologic log is available for this well

EXPLANATION

- Bulk conductivity, in millisiemens per meter, May 1, 2001
- Shaded line represents bulk conductivity in millisiemens per meter September 12, 2000
- [ Delimits the interval for which the well is open to the aquifer

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--263656080033502. Local Number PB 1639. USGS Observation Well in Lake Worth, FL.

LOCATION.--Lat 26°36'56", long 80°03'35", in NW ¼ NE ¼ NE ¼ sec.28, T.44 S., R.43 E., Hydrologic Unit 03090202, on east right of way of FEC Railroad and south side of Lake Avenue, near City Hall in Lake Worth.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 20 ft, screened from 20 to 25 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 17.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.28 ft above land-surface datum. Prior to June 5, 1996, the top of base was 1.00 ft above land-surface datum. See REMARKS.

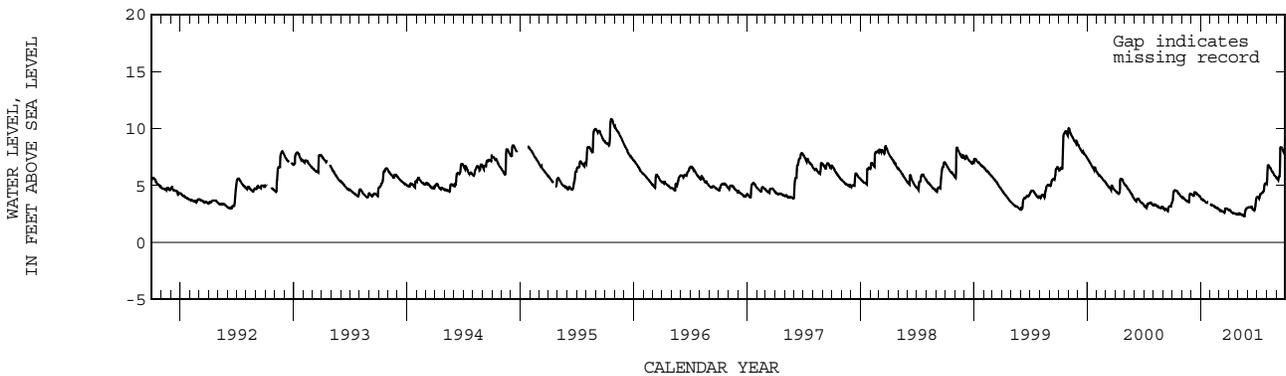
REMARKS.--Revised measuring point June 6, 1996, to account for revised base elevation.

PERIOD OF RECORD.--May 1989 (semiannual), September 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.83 ft NGVD, Oct. 20, 21, 1995; lowest, 2.31 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.39	3.93	4.16	3.80	3.29	2.80	2.85	2.57	3.11	3.97	6.76	5.59
10	4.58	3.80	4.13	3.70	3.24	2.75	2.70	2.49	3.08	4.10	6.70	5.78
15	4.54	3.69	4.38	3.57	3.14	2.70	2.60	2.40	3.06	4.30	6.48	8.35
20	4.34	3.60	4.26	3.48	3.06	2.97	2.56	2.34	2.87	4.44	6.16	8.25
25	4.19	4.08	4.13	---	3.00	2.99	2.51	2.82	3.21	5.06	5.96	7.93
EOM	4.02	4.26	3.96	3.35	2.91	2.89	2.47	3.05	3.94	5.16	5.74	9.06
MAX	4.58	4.27	4.40	3.91	3.34	3.00	2.88	3.05	3.94	5.19	6.79	9.06



PALM BEACH COUNTY--Continued

WELL NUMBER.--264005080233501. Local Number PB 99. USGS Observation Well at West Palm Beach, FL.

LOCATION.--Lat 26°40'14", long 80°03'35", in SW ¼ NE ¼ sec.4, T.44 S., R.43 E., Hydrologic Unit 03090202, at Garden Avenue, 75 ft north of Bradley Street in West Palm Beach and 0.2 mi west of US 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 18 ft, cased to 16 ft, gravel-packed 16 to 18 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 14.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.26 ft above land-surface datum.

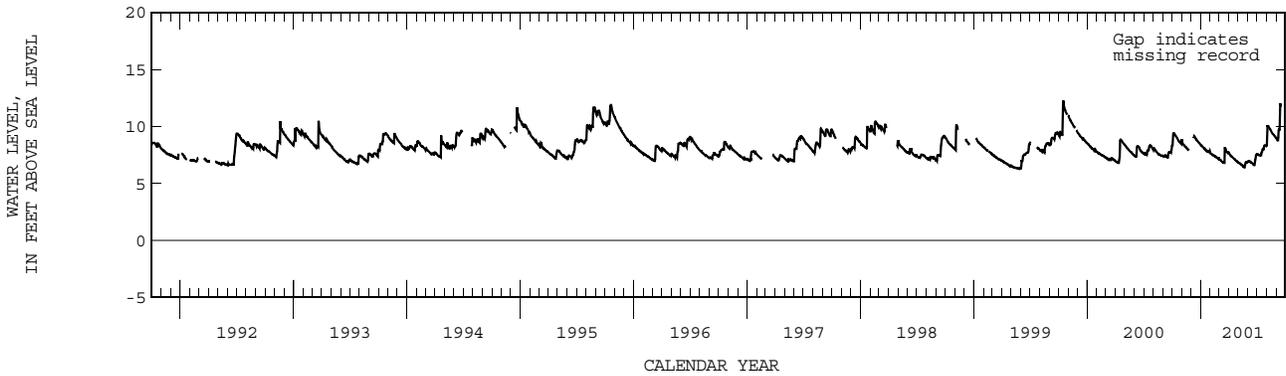
REMARKS.--Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey.

PERIOD OF RECORD.--July 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.06 ft NGVD, Oct. 6, 1948; lowest, 5.01 ft NGVD, Mar. 23, 1972.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.40	8.48	---	8.26	7.57	7.06	7.52	6.80	6.98	7.54	10.05	8.80
10	9.29	8.32	9.02	8.13	7.48	6.93	7.40	6.68	6.87	7.48	9.89	9.70
15	9.04	8.17	8.95	8.00	7.41	6.84	7.25	6.56	6.78	7.69	9.67	11.97
20	8.81	8.03	8.79	7.84	7.29	8.09	7.13	6.46	6.65	8.00	9.39	---
25	8.65	---	8.62	7.81	7.21	7.80	7.00	6.82	7.09	8.36	9.23	---
EOM	8.74	---	8.41	7.70	7.14	7.73	6.88	6.87	7.58	8.29	9.01	---
MAX	9.41	8.74	9.15	8.39	7.67	8.17	7.66	6.90	7.58	8.36	10.05	12.03



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--264123080053801. Local Number PB 809. USGS Observation Well in West Palm Beach, FL.

LOCATION.--Lat 26°41'23", long 80°05'38", in NW ¼ NE ¼ sec.31, T.43 S., R.43 E., Hydrologic Unit 03090202, on 8th Street in West Palm Beach, 1 mi north of SR-98, and 2.5 mi west of US 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 150 ft, cased to 145 ft, screened from 145 to 150 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 14.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.00 ft above land-surface datum.

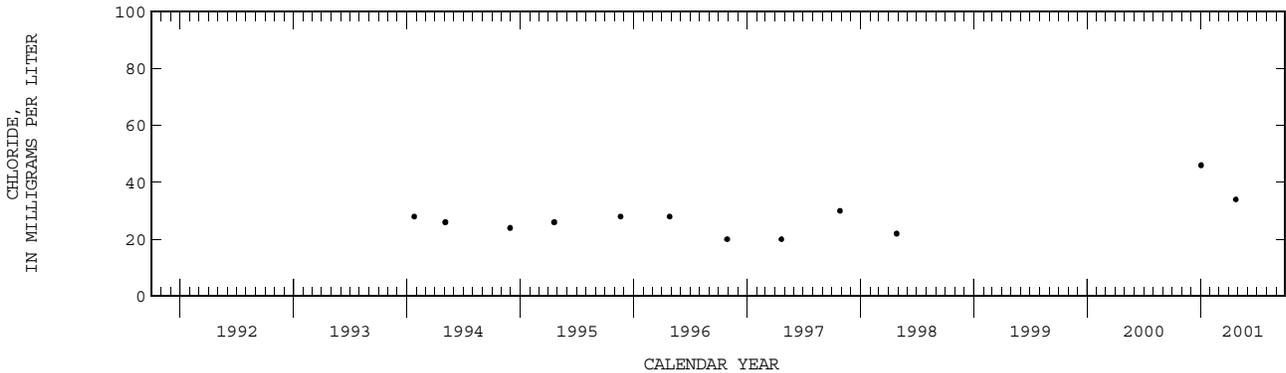
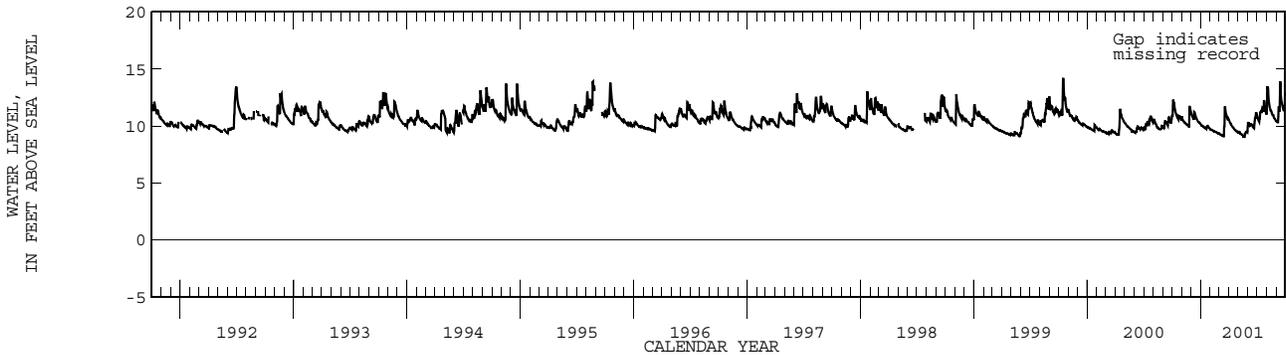
REMARKS.--Well also used for salinity monitoring. The water quality samples were not collected during the 1999 and 2000 water years.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.30 ft NGVD, Nov. 23, 1984; lowest, 4.83 ft NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.03	10.52	10.80	10.03	9.66	9.26	10.32	9.49	10.21	10.57	13.44	10.33
10	11.37	10.33	10.55	9.92	9.58	9.20	10.12	9.31	10.08	10.70	11.85	11.38
15	10.90	10.18	10.89	9.81	9.50	9.12	9.90	9.20	10.08	11.35	11.34	13.29
20	10.63	10.05	10.58	9.92	9.46	11.66	9.71	9.07	9.84	11.35	10.97	11.91
25	10.84	11.77	10.35	9.97	9.37	10.83	9.55	9.39	10.73	11.78	10.74	11.40
EOM	10.79	11.17	10.18	9.74	9.35	10.66	9.46	9.47	11.07	11.02	10.47	12.65
MAX	12.32	11.77	11.23	10.15	9.71	11.66	10.56	9.50	11.16	12.26	13.48	13.91



PALM BEACH COUNTY--Continued

WELL NUMBER.--264208080192201. Local Number PB 685. USGS Observation Well in West Palm Beach, FL.

LOCATION.--Lat 26°42'08", long 80°19'22", in NW ¼ NW ¼ SW ¼ sec.33, T.47 S., R.42 E., Hydrologic Unit 03090202, approximately 25 ft east of Lion Country Safari Road, 1.3 mi north of Southern Boulevard (SR 80), approximately 16 mi west of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 17 ft, open end.

INSTRUMENTATION.--Electronic data logger.

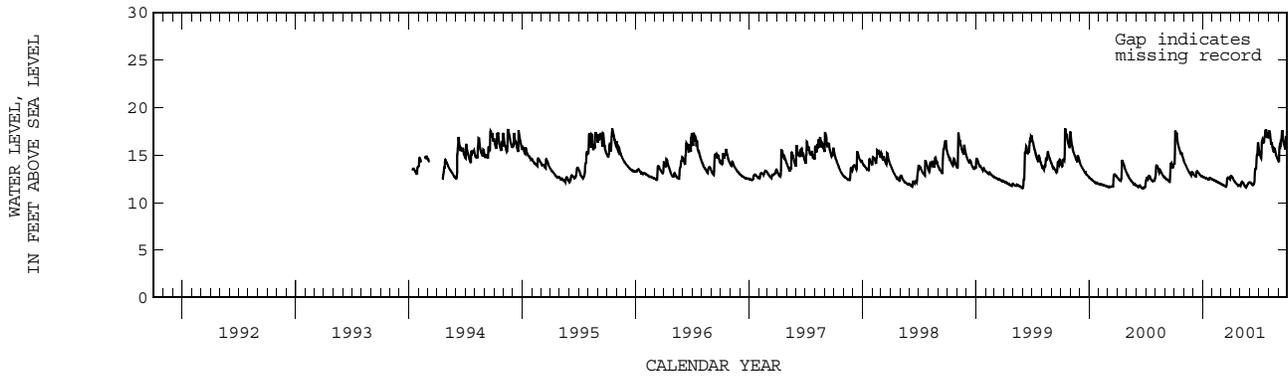
DATUM.--Land-surface datum is 16.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.83 ft above land-surface datum.

PERIOD OF RECORD.--October 1973 to May 1977 (daily), October 1988 to September 1990 (semiannual), October 1990 to December 1993 (monthly), January 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.21 ft NGVD, Oct. 9, 1973; lowest, 11.50 ft NGVD, June 23, 24, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.41	14.12	12.83	12.64	12.38	11.90	12.71	12.12	12.06	14.97	17.40	15.94
10	16.87	13.75	12.74	12.56	12.31	11.79	12.45	12.11	11.90	16.34	16.09	16.57
15	15.86	13.41	13.28	12.51	12.21	11.70	12.17	11.80	12.08	16.45	15.58	17.37
20	15.29	13.10	13.03	12.46	12.12	12.45	11.97	11.60	13.53	17.07	15.70	16.10
25	15.17	13.14	12.85	12.57	12.03	12.56	11.80	11.86	15.09	17.27	14.99	16.01
EOM	14.51	13.09	12.73	12.45	11.98	12.76	11.82	12.14	15.82	16.75	14.47	17.31
MAX	17.55	14.42	13.29	12.71	12.43	12.76	12.80	12.19	16.31	17.68	17.59	17.61



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--264230080120501. Local Number PB 561. USGS Observation Well near West Palm Beach, FL.

LOCATION.--Lat 26°42'30", long 80°12'05", in NW ¼ NW ¼ sec.30, T.43 S., R.42 E., Hydrologic Unit 03090202, near intersection of Okeechobee Road and SR-7, 12.5 mi west of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 11.3 ft, cased to 11.3 ft, open end.

INSTRUMENTATION.--Electronic data logger.

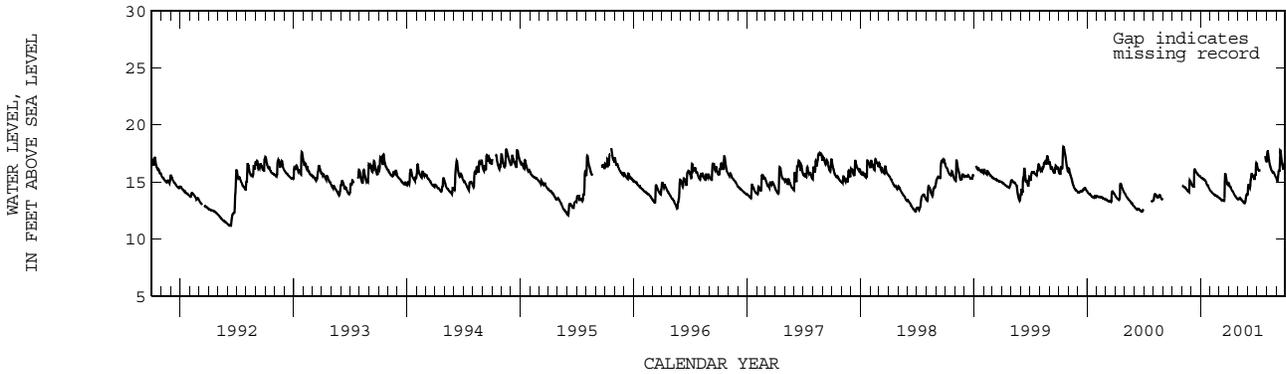
DATUM.--Land-surface datum is 18.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.81 ft above land-surface datum.

PERIOD OF RECORD.--October 1970 to April 1977, May 1979 to current year. Records of water levels prior to October 1973, are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.08 ft NGVD, Oct. 16, 1999; lowest, 10.94 ft NGVD, Mar. 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	14.64	14.65	15.36	14.13	13.53	14.62	13.60	14.70	16.11	17.59	15.13
10	---	14.57	14.50	15.24	13.96	13.41	14.38	13.51	15.15	---	16.72	15.99
15	---	14.40	16.01	15.14	13.85	13.37	14.14	13.34	15.64	---	16.16	17.76
20	---	14.23	15.77	14.85	13.77	15.70	13.88	13.19	15.39	---	15.87	16.59
25	---	14.91	15.61	14.64	13.69	15.07	13.66	13.34	15.60	---	15.77	16.23
EOM	---	14.97	15.45	14.30	13.62	14.90	13.49	13.87	16.65	16.84	15.40	17.25
MAX	---	15.17	16.11	15.41	14.25	15.70	14.88	13.89	16.68	17.29	17.64	17.77



PALM BEACH COUNTY--Continued

WELL NUMBER.--264643080033401 Local Number PB 1726. USGS Observation Well near Riviera Beach, FL.

LOCATION.--Lat 26°46'44", long 80°03'34", in SE ¼ SW ¼ sec.28, T.42 S., R.43 E., Hydrologic Unit 03090202, on north side of W 20th Street between F Avenue and G Avenue, 20 ft east of second well, 0.3 mi west of US-1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 200 ft.

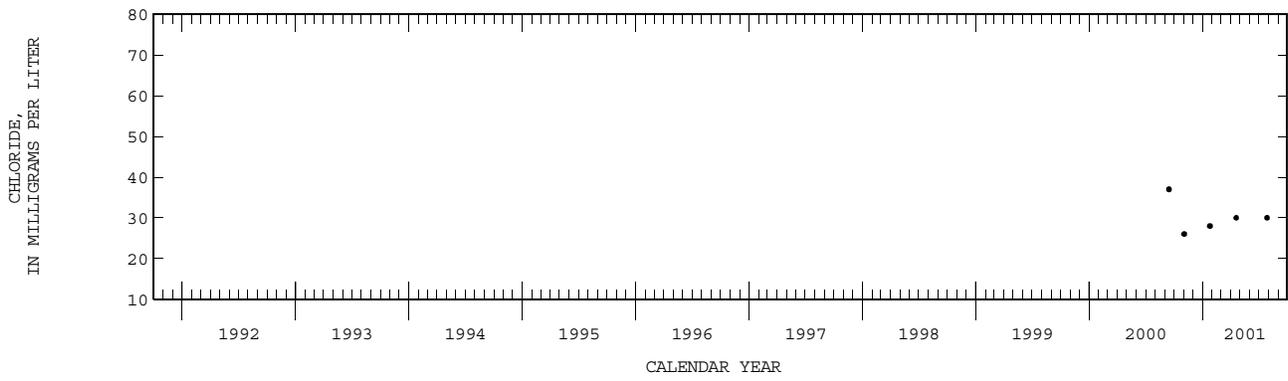
INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum, elevation is not available. Measuring point: Top of casing, at land-surface datum. See REMARKS.

REMARKS.--Well is also used for salinity monitoring. Water levels cannot be published until datum is established.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001							
DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV				APR			
02...	1213	418	26.0	19...	1104	412	30.0
JAN				JUL			
24...	1536	425	28.0	27...	1313	395	30.0



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--264717080033501 Local Number PB 1727. USGS Observation Well near Riviera Beach, FL.

LOCATION.--Lat 26°47'18", long 80°03'35", in SE ¼ SW ¼ sec.28, T.42 S., R.43 E., Hydrologic Unit 03090202, on W 32nd Street between F Avenue and H Avenue, next to wooden fence at the SE corner of park, 0.5 mi east of Old Dixie Highway, 0.3 mi north of SR-708.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, depth 200 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

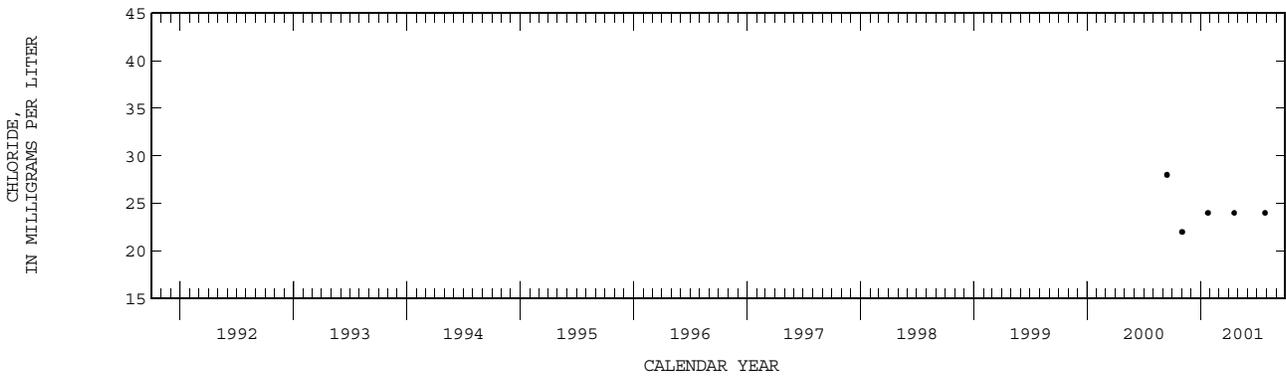
DATUM.--Land-surface datum, elevation is not available. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Well is also used for salinity monitoring. Water levels cannot be published until datum is established.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
NOV 02...	1120	476	22.0	APR 19...	1131	487	24.0
JAN 24...	1558	485	24.0	JUL 27...	1337	514	24.0



PALM BEACH COUNTY--Continued

WELL NUMBER.--264839080115001. Local Number PB 1662. USGS Observation Well near West Palm Beach, FL.

LOCATION.--Lat 26°48'39", long 80°11'50", in NE ¼ NE ¼ sec.24, T.42 S., R.41 E., Hydrologic Unit 03090202, on Northlake Boulevard at old construction entrance to Ibis Development, 2.7 mi west of SR-710.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 23 ft, screened from 23 to 25 ft.

INSTRUMENTATION.--Electronic data logger.

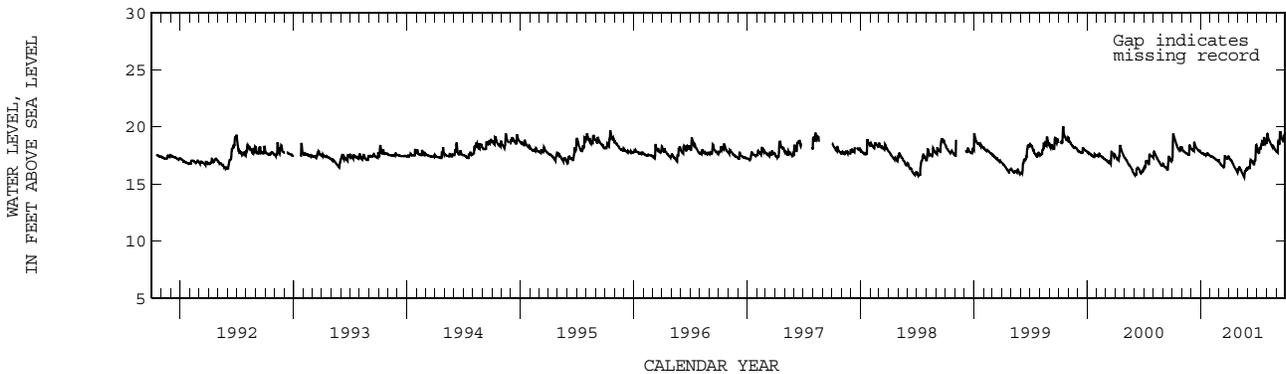
DATUM.--Land-surface datum is 20.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 4.06 ft above land-surface datum.

PERIOD OF RECORD.--October 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.98 ft NGVD, Oct. 15, 1999; lowest, 15.60 ft NGVD, May 21, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.37	17.93	17.97	17.71	17.42	16.81	17.17	16.48	16.42	17.82	19.28	17.76
10	18.81	17.80	17.88	17.60	17.34	16.63	17.05	16.23	17.10	18.17	18.77	18.46
15	18.44	17.71	18.31	17.57	17.24	16.50	16.77	15.92	16.96	18.48	18.50	19.43
20	18.10	17.62	18.09	17.56	17.11	17.46	16.48	15.66	16.73	18.48	18.24	18.93
25	18.03	18.45	17.95	17.63	17.09	17.29	16.26	16.16	17.08	18.76	18.18	19.24
EOM	18.28	18.15	17.78	17.49	17.01	17.42	16.26	16.30	18.20	18.53	17.90	19.32
MAX	19.42	18.45	18.71	17.75	17.45	17.46	17.38	16.48	18.42	19.13	19.40	19.63



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--264858080044801 Local Number PB 1734. USGS Observation Well near North Palm Beach, FL.

LOCATION.--Lat 26°48'58", long 80°04'49", in NE ¼ NE ¼ sec.33, T.44 S., R.43 E., Hydrologic Unit 03090202, on Alt-A1A (SR-811) just north of Hinda Road, 20 ft north from end of eastern side road parallel to Alt-A1A, 1.2 mi east of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 110 ft, cased to 84 ft, screened 84 to 110 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

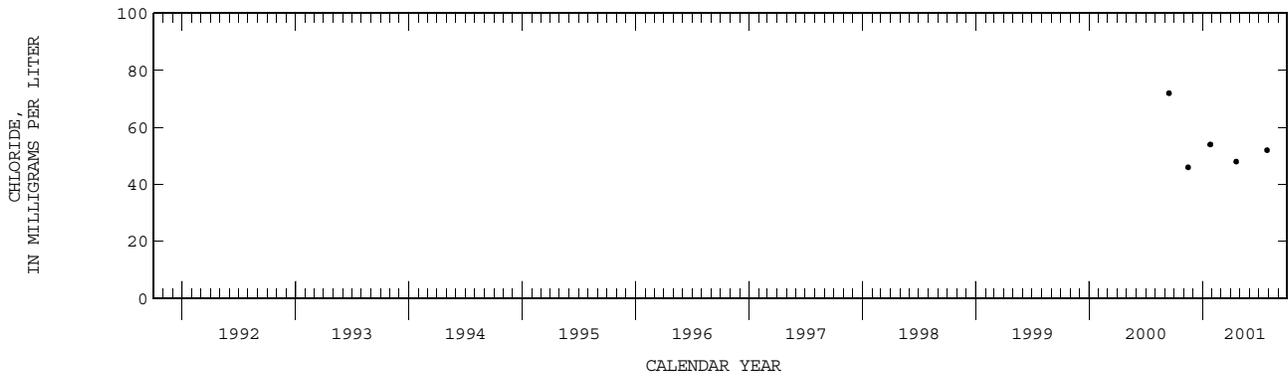
DATUM.--Land-surface datum, elevation is not available. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Well is also used for salinity monitoring. Water levels cannot be published until datum is established.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
NOV 15...	1421	476	46.0	APR 19...	1243	487	48.0
JAN 25...	0904	491	54.0	JUL 27...	1415	531	52.0



PALM BEACH COUNTY--Continued

WELL NUMBER.--265106080241402. Local Number PB 831. USGS Observation Well near Palm Beach Gardens, FL.

LOCATION.--Lat 26°51'06", long 80°24'14", in SE ¼ NW ¼ sec.2, T.42 S., R.39 E., Hydrologic Unit 03090202, 30 ft west of principal dirt road within J.W. Corbett Wildlife Management Area, 8.7 mi from north entrance at junction of SR-706 and SR-710, approximately 15 mi west of Palm Beach Gardens.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 21 ft, screened from 21 to 25 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 23.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum. Prior to October 1988, land-surface datum was considered to be 22.00 ft NGVD. See REMARKS.

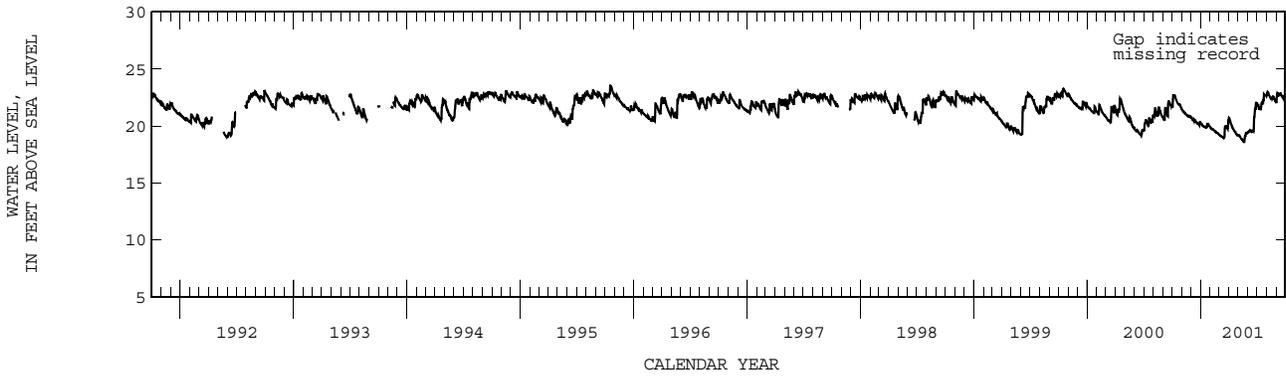
REMARKS.--The figures of water levels as elevations in feet NGVD, prior to October 1988 are in error. See DATUM.

PERIOD OF RECORD.--November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.56 ft NGVD, Oct. 17, 18, 1995; lowest, 18.53 ft NGVD, present datum, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.70	21.33	20.58	20.11	19.76	19.16	20.43	19.16	19.52	21.88	23.00	22.87
10	22.60	21.19	20.46	19.98	19.69	19.09	20.08	18.95	19.56	21.66	22.68	22.71
15	22.22	21.01	20.46	19.91	19.57	18.97	19.78	18.79	19.57	21.93	22.40	22.87
20	21.94	20.92	20.28	19.97	19.46	19.98	19.56	18.62	19.76	21.99	22.44	22.61
25	21.90	20.89	20.16	20.20	19.36	19.91	19.32	19.15	21.55	22.73	22.39	22.37
EOM	21.54	20.76	20.33	19.93	19.28	20.47	19.22	19.39	22.04	22.65	22.08	22.90
MAX	22.72	21.52	20.72	20.29	19.89	20.47	20.73	19.42	22.05	22.82	23.00	22.92



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--265233080054001. Local Number PB 1642. USGS Observation Well near Juno Beach, Fl.

LOCATION.--Lat 26°52'33", long 80°05'40", in SW ¼ SW ¼ NW ¼ sec.30, T.41 S., R.43 E., Hydrologic Unit 03090202, approximately 250 ft east of SR-811 (Alternate A1A), 0.5 mi south of Donald Ross Road, adjacent to the maintenance yard office in the Frenchman's Creek housing development.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4.0 in., depth 21 ft, cased to 20 ft, screened from 20 to 21 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 12.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.70 ft above land-surface datum.

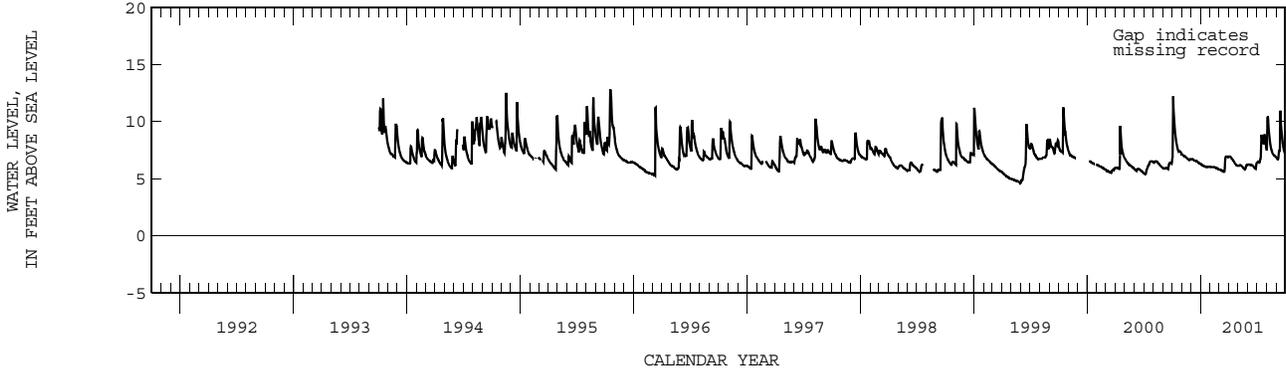
REMARKS.--Well affected by irrigation pumping.

PERIOD OF RECORD.--October 1988 to November 1992 (intermittent), April 1993 to September 1993 (monthly), October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.82 ft NGVD, Oct. 18, 1995; lowest measured, 3.66 ft NGVD, May 9, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.07	7.06	6.70	6.18	6.02	5.79	6.94	6.16	6.25	6.49	10.12	6.68
10	9.04	6.96	6.61	6.11	6.01	5.70	6.80	6.16	6.21	6.55	8.69	7.44
15	8.00	6.86	6.58	6.05	6.00	5.62	6.64	6.02	6.18	8.85	7.70	10.72
20	7.44	6.74	6.52	6.02	5.94	6.57	6.42	5.89	6.05	8.27	7.24	8.60
25	7.41	6.64	6.40	6.04	5.87	6.95	6.22	5.85	5.92	8.80	7.04	7.57
EOM	7.18	6.72	6.30	6.04	5.81	6.94	6.14	6.23	6.37	7.60	6.89	9.17
MAX	12.21	7.16	6.72	6.29	6.02	6.95	6.95	6.23	6.37	8.85	10.35	10.97



PALM BEACH COUNTY--Continued

WELL NUMBER.--265550080070701. Local Number PB 1732. USGS Observation Well near Jupiter, Fl.

LOCATION.--Lat 26°55'50", long 80°07'08", in SE ¼ SW ¼ sec.2, T.41 S., R.42 E., Hydrologic Unit 03090202, on Commerce Lane, one block east of Commerce Way, .3 mi south of SR-706, 3.3 mi east of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 241 ft, cased to 232 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

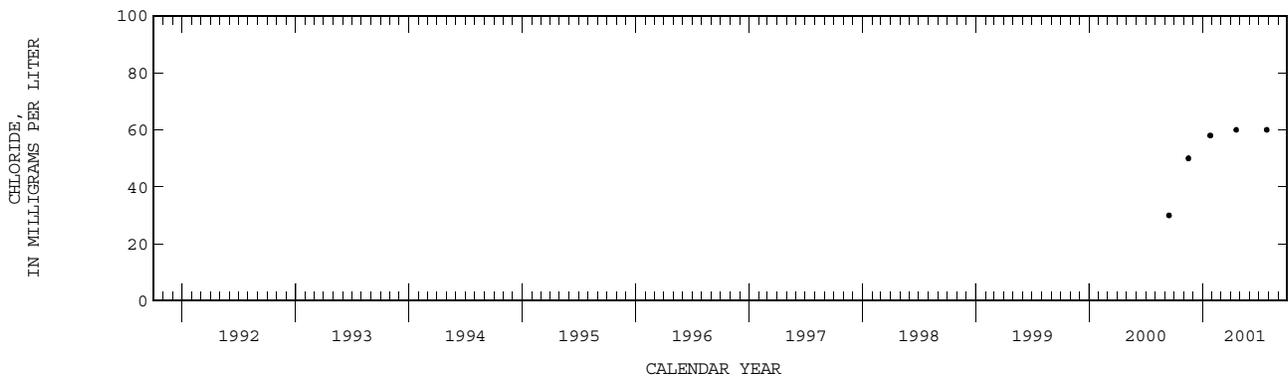
DATUM.--Land-surface datum, elevation is not available. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Well is also used for salinity monitoring. Water levels cannot be published until datum is established.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)
NOV 16...	1141	632	50.0	APR 19...	1329	676	60.0
JAN 25...	1001	658	58.0	JUL 26...	1459	748	60.0



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--265611080080201. Local Number PB 1733. USGS Observation Well near Jupiter, FL.

LOCATION.--Lat 26°56'16", long 80°08'01", in SW ¼ NE ¼ sec.3, T.41 S., R.42 E., Hydrologic Unit 03090202, on southeast corner of North Central Boulevard and Riverwalk Road, 0.2 mi north of SR-706, 1.1 mi east of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 210 ft, cased to 189 ft, screened 189 to 210 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

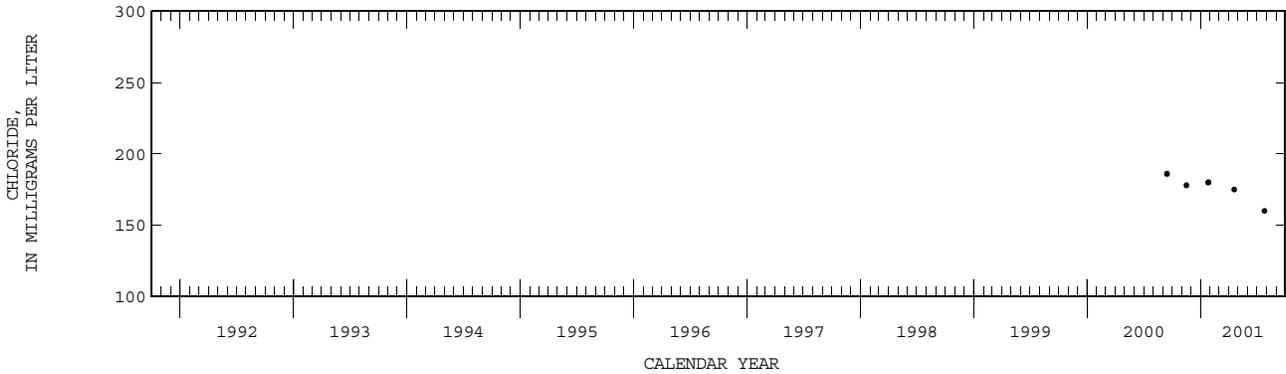
DATUM.--Land-surface datum, elevation is not available. Measuring point: Top of casing, 1 ft above land-surface datum.

REMARKS.--Well is also used for salinity monitoring. Water levels cannot be published until datum is established.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)
NOV 16...	1230	642	178	APR 19...	1401	831	175
JAN 25...	1032	869	180	JUL 25...	1531	898	160



PALM BEACH COUNTY--Continued

WELL NUMBER.--265633080203001. Local Number PB 689. USGS Observation Well near Jupiter, FL.

LOCATION.--Lat 26°56'33", long 80°20'30", in NE ¼ NW ¼ NE ¼ sec.4, T.41 S., R.40 E., Hydrologic Unit 03090202, on south side of SR-706, 3.45 mi west of SR-711 and 0.6 mi east of SR-710, 12 mi west of Jupiter.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 17 ft, open end.

INSTRUMENTATION.--Satellite data collection platform. Prior to May 22, 2001, electronic data logger.

DATUM.--Land-surface datum is 24.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.94 ft above land-surface datum. Prior to January 1993, land-surface datum was considered to be 24.0 ft NGVD. See REMARKS.

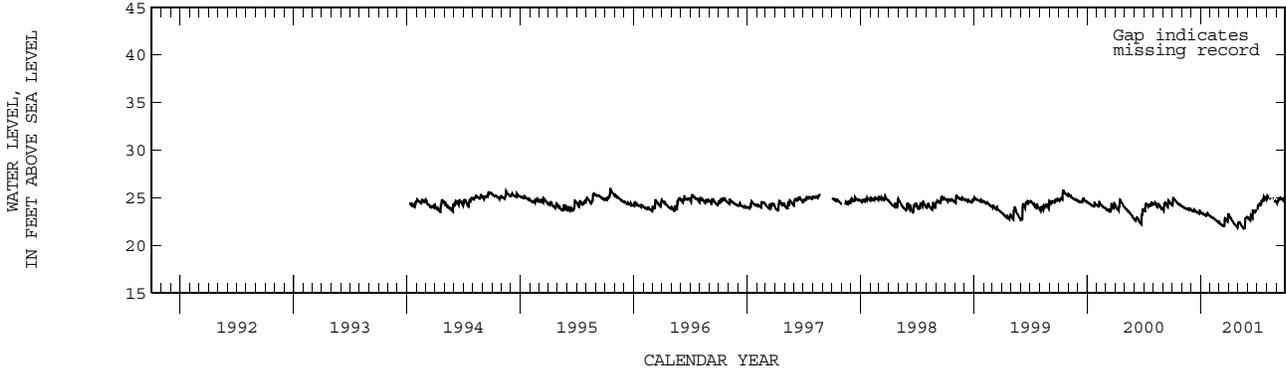
REMARKS.--The measuring point elevation was incorrectly reported as the November 17, 1987 measured water level and the period of record highest water level measured prior to 1999. The 1993 water year water levels as elevation, in feet NGVD, are in error. See DATUM.

PERIOD OF RECORD.--October 1973 to May 1977 (daily), May 1983 to November 1992 (semiannual), January 1993 to December 1993 (monthly), January 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.92 ft NGVD, Oct. 17, 18, 1995; lowest, 21.65 ft NGVD, May 23, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.97	24.04	23.60	23.34	22.95	22.26	22.94	22.44	22.74	24.20	25.17	24.67
10	24.76	23.93	23.53	23.27	22.85	22.12	22.72	22.18	23.02	24.32	---	24.80
15	24.54	23.85	23.61	23.18	22.72	22.02	22.46	21.91	22.83	24.65	24.86	24.99
20	24.35	23.84	23.47	23.19	22.57	22.83	22.21	21.74	23.48	24.68	---	24.80
25	24.30	23.84	23.38	23.25	22.45	22.60	22.02	22.98	23.61	24.95	---	24.63
EOM	24.15	23.75	23.51	23.07	22.38	23.28	22.05	22.88	---	24.79	24.60	25.07
MAX	24.98	24.12	23.73	23.46	23.04	23.28	23.25	23.07	23.65	25.10	25.17	25.12



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY--Continued

WELL NUMBER.--265812080053901. Local Number PB 565. USGS Observation Well in Tequesta, FL.

LOCATION.--Lat 26°58'12", long 80°05'39", in NE ¼ NE ¼ sec.25, T.40 S., R.42 E., Hydrologic Unit 03090202, near intersection of Old Dixie Highway and County Line Road in Tequesta, and 0.1 mi west of US 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 21.9 ft, cased to 21.9 ft, open end.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 14.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.26 ft above land-surface datum. Prior to July 2, 1999, the top of base was 3.24 ft above land-surface datum. See REMARKS.

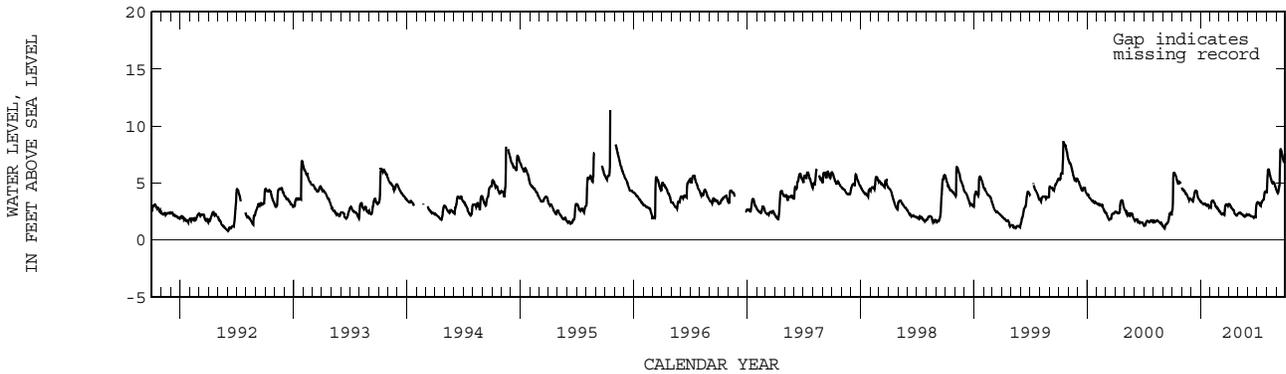
REMARKS.--Revised measuring point because of repairs to instrumentation shelter and base after site was hit by a car. New measuring point as of July 8, 1999. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. See DATUM.

PERIOD OF RECORD.--October 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.39 ft NGVD, Oct. 17, 1995; lowest, 0.23 ft NGVD, Feb. 22, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.80	4.41	3.43	3.25	3.38	2.43	3.07	2.40	2.25	3.31	6.06	4.17
10	5.83	4.32	3.74	3.14	3.47	2.29	2.83	2.35	2.11	3.12	5.95	4.74
15	5.31	4.06	4.33	3.16	3.21	2.33	2.68	2.23	2.07	3.31	5.38	7.97
20	4.87	3.80	4.14	3.05	2.93	2.90	2.35	2.13	2.02	3.51	4.98	7.50
25	5.04	3.59	3.64	3.04	2.71	3.14	2.21	2.09	2.07	4.16	5.00	6.89
EOM	--	3.59	3.41	2.91	2.62	3.16	2.28	2.19	3.19	4.17	4.51	7.57
MAX	5.91	4.63	4.34	3.37	3.47	3.16	3.17	2.40	3.19	4.27	6.22	7.97



# St. Lucie County

## VOLUME 2B: SOUTH FLORIDA

Key to site locations on figure # 22

## St. Lucie County

Index Number	Site Number	Well Name	Page Number
1	271538080371401	STL 41	591
2	272655080401601	STL 42	599
3	272524080242801	STL 125	598
4	272315080183401	STL 172	596
5	271755080153001	STL 175	593
6	271755080153002	STL 176	594
7	271413080311201	STL 185	590
8	272427080240201	STL 213	597
9	271618080245801	STL 214	592
10	273109080270301	STL 264	600
11	272138080374103	STL 313	595

VOLUME 2B: SOUTH FLORIDA

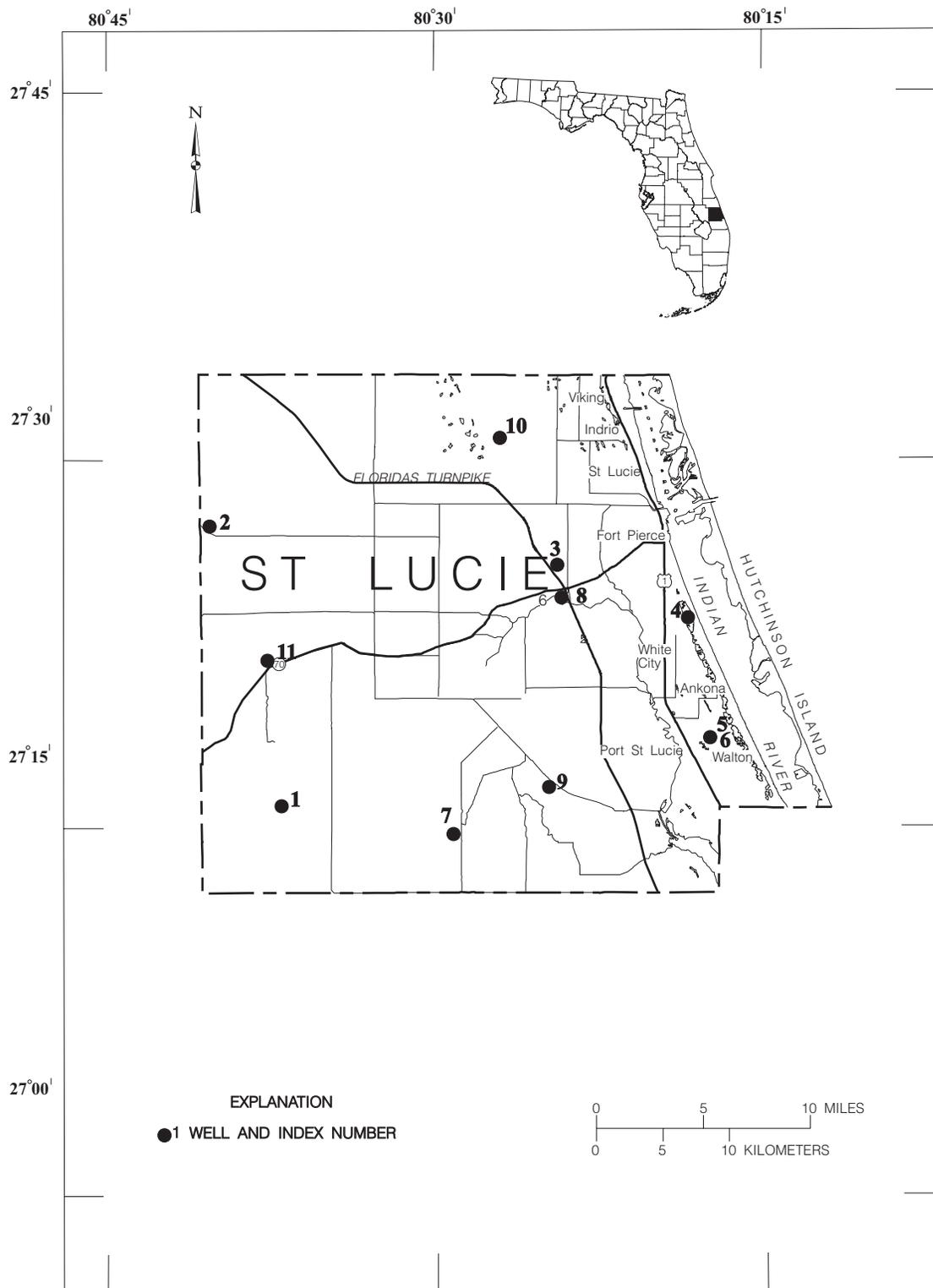


Figure 22. Location of wells in St. Lucie County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

ST. LUCIE COUNTY

WELL NUMBER.--271413080311201. Local Number STL 185. USGS Observation Well near Port St. Lucie, FL.

LOCATION.--Lat 27°14'40", long 80°29'55", in SE ¼ SE ¼ NE ¼ sec.23, T.37 S., R.38 E., Hydrologic Unit 03090202, 1 mi west of Route 609 and 3 mi south of Route 709 in pasture of McCarty Ranch. Ranch entrance is on Route 709, recorder is 4 gates and 5 pastures to the south, 20 ft west of southern gate.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 115 ft, cased to 113 ft.

INSTRUMENTATION.--Electronic data logger.

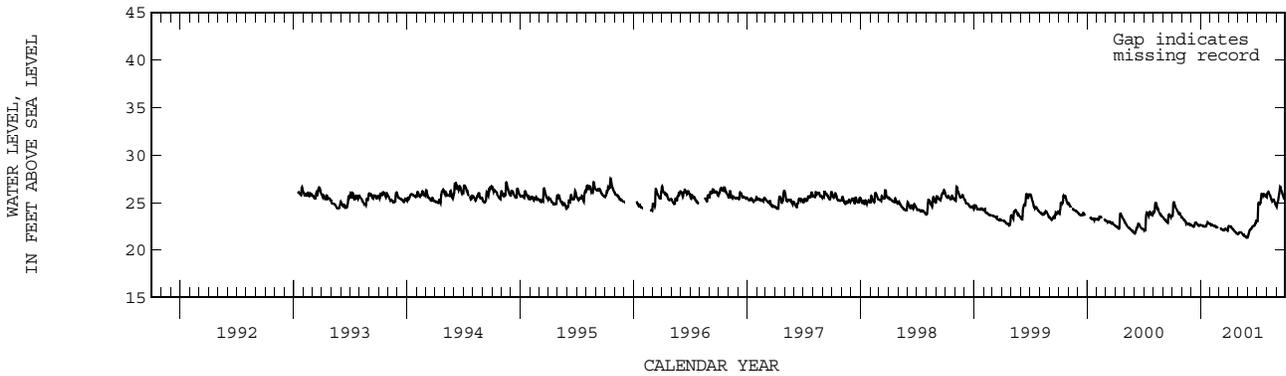
DATUM.--Land-surface datum is 27.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.46 ft above land-surface datum.

PERIOD OF RECORD.--September 1976 to April 1977 (intermittent), May 1988 to October 1988 (semiannual), October 1989 to November 1992 (annual), January 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 27.52 ft NGVD, Oct. 18, 1995; lowest, 21.29 ft NGVD, May 31, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.98	23.33	22.51	22.58	22.63	22.29	22.52	21.88	21.81	24.87	25.93	25.06
10	24.68	23.14	22.45	22.48	22.59	22.19	22.43	21.88	22.20	24.84	25.92	25.95
15	24.30	22.76	22.90	22.49	22.55	22.12	22.20	21.68	22.45	25.88	25.47	26.62
20	23.94	22.78	22.77	22.65	22.42	22.22	21.97	21.51	22.53	25.70	25.18	26.04
25	23.88	22.69	22.61	22.84	22.30	22.14	21.82	21.43	22.80	25.82	25.20	25.49
EOM	23.50	22.64	22.62	22.74	---	22.49	21.69	21.29	23.13	25.61	24.69	25.98
MAX	25.01	23.47	22.92	22.90	22.71	22.49	22.52	21.89	23.13	25.90	26.12	26.67



ST. LUCIE COUNTY--Continued

WELL NUMBER.--271538080371401. Local Number STL 41. USGS Observation Well near Okeechobee, FL.

LOCATION.--Lat 27°15'38", long 80°37'06", in NW ¼ NE ¼ sec.15, T.37 S., R.37 E., Hydrologic Unit 03090202, 0.2 mi east of Blue Field Road, 4.4 mi south of SR-70, and approximately 25 mi west of U.S. 1 in Ft. Pierce.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 6 in., depth 17 ft, cased to 13 ft, gravel-packed 12 to 14 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 28.95 ft above National Geodetic Vertical Datum of 1929. Prior to October 1991, land-surface datum was considered to be 28.71 ft NGVD. Measuring point: Top of base, 2.32 ft above land-surface datum. See REMARKS.

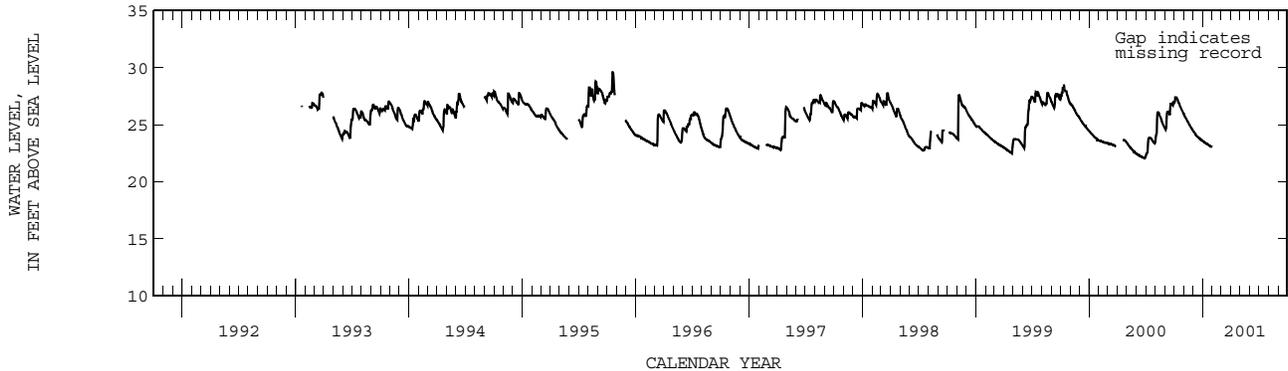
REMARKS.--Station discontinued on September 9, 2001, because jetting of the well damaged recharge capability on February 1, 2001. Daily values from February 1 to September 9, will not be published. Records of water levels prior to October 1950 are available in files of the Geological Survey. The figures of water levels, as elevation in feet NGVD, prior to October 1991 are in error. Corrected records are in files of the Geological Survey. See DATUM.

PERIOD OF RECORD.--January 1950 to April 1979 (daily), May 1979 to December 1993 (monthly), January 1993 to September 9, 2001. Discontinued. See REMARKS.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.97 ft NGVD, present datum, Oct. 22, 1990; lowest, 21.89 ft NGVD, May 29, 1992.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.41	25.72	24.30	23.49	---	---	---	---	---	---	---	---
10	27.31	25.47	24.12	23.38	---	---	---	---	---	---	---	---
15	26.94	25.22	23.96	23.30	---	---	---	---	---	---	---	---
20	26.62	24.97	23.86	23.23	---	---	---	---	---	---	---	---
25	26.32	24.72	23.73	23.13	---	---	---	---	---	---	---	---
EOM	25.99	24.50	23.60	23.06	---	---	---	---	---	---	---	---
MAX	27.41	25.94	24.45	23.57	---	---	---	---	---	---	---	---



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

ST. LUCIE COUNTY--Continued

WELL NUMBER.--271618080245801. Local Number STL 214. USGS Observation Well near Port St. Lucie, FL.

LOCATION.--Lat 27°16'18", long 80°24'58", in SW ¼ SW ¼ NW ¼ sec.11, T.37 S., R.39 E., Hydrologic Unit 03090202, approximately 20 ft south of centerline of Savage Road and 153 ft east of centerline of Brescia Road, approximately 2.5 mi west of Port St. Lucie Boulevard.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 134 ft, cased to 70 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 27.32 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.08 ft above land-surface datum.

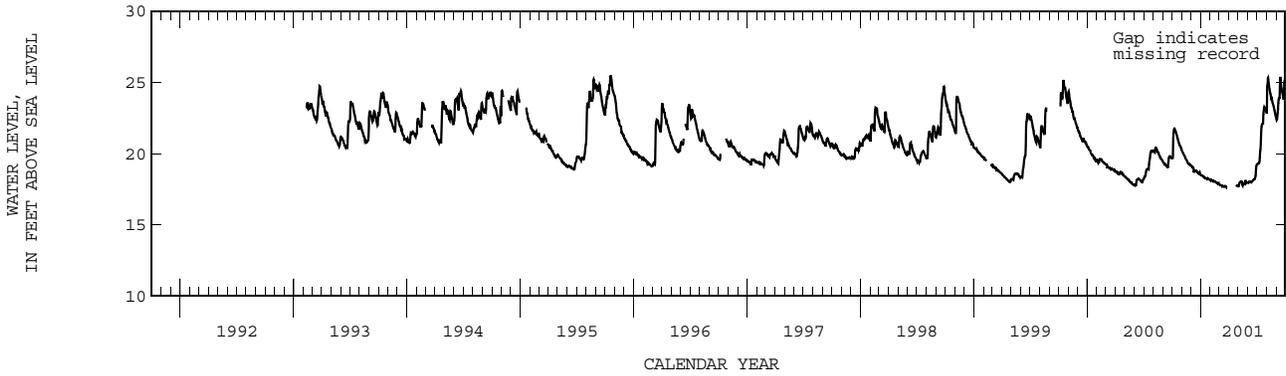
REMARKS.--This well is not at its original depth. Depth was measured at 58.3 ft below land-surface datum on December 27, 1999. The difference between the original and measured depth is likely caused by the sand formation being forced up the well under hydrostatic pressure.

PERIOD OF RECORD.--May 1988 to October 1989 (semiannual), September 1990 to January 1993 (monthly), February 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.46 ft NGVD, Oct. 19, 1995; lowest, 17.64 ft NGVD, Mar. 25, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.47	20.07	19.04	18.50	18.14	17.81	---	17.95	18.01	19.32	25.28	22.87
10	21.71	19.85	18.68	18.36	18.11	17.77	---	18.04	18.03	19.76	24.54	23.90
15	21.32	19.59	18.83	18.29	18.06	17.72	---	17.77	18.06	21.84	23.99	25.27
20	20.88	19.38	18.72	18.24	17.98	17.74	---	17.89	18.19	22.11	23.56	24.32
25	20.62	19.26	18.62	18.25	17.88	17.64	17.80	18.16	18.34	23.24	23.15	23.78
EOM	20.29	19.18	18.52	18.18	17.89	---	17.74	17.97	19.21	22.90	22.54	24.99
MAX	21.78	20.26	19.15	18.50	18.17	17.87	17.82	18.16	19.21	23.28	25.33	25.40



ST. LUCIE COUNTY--Continued

WELL NUMBER.--271755080153001. Local Number STL 175. USGS Observation Well near Port St. Lucie, FL.

LOCATION.--Lat 27°17'55", long 80°15'30", in NW ¼ NW ¼ SE ¼ sec.32, T.36 S., R.41 E., Hydrologic Unit 03090202, 4 ft from north edge of Walton Road, 0.5 mi west of Indian River Drive SR 707, approximately 15 ft east of STL-176.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 200 ft, cased to 68 ft.

INSTRUMENTATION.--Electronic data logger. Satellite data collection platform prior to April 23, 2001.

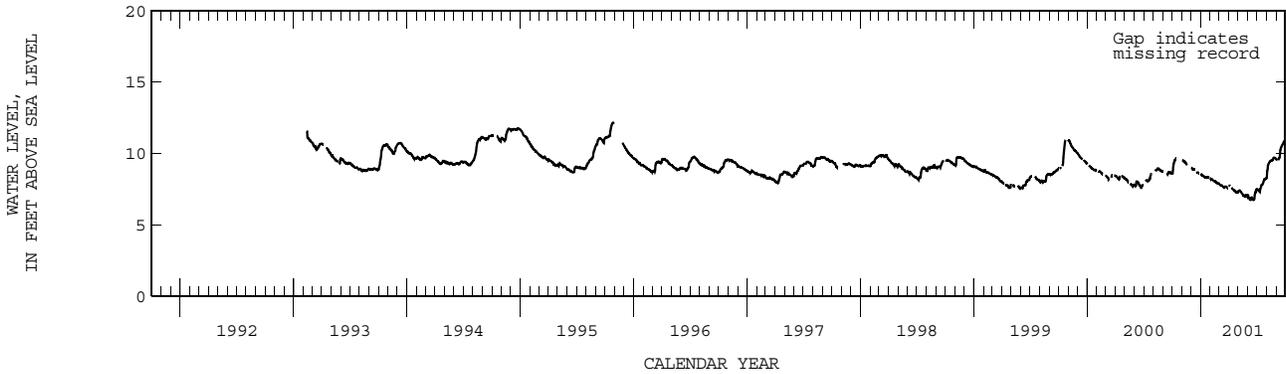
DATUM.--Land-surface datum is 18.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1975 to January 1979 (daily), May 1988 to January 1993 (intermittent), February 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.17 ft NGVD, Oct. 26, 1995; lowest, 6.01 ft NGVD, July 28, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.21	9.49	8.88	8.48	8.19	7.78	7.72	7.42	6.91	7.42	9.10	---
10	9.54	9.42	8.85	8.39	8.10	7.75	7.62	7.31	6.75	7.31	9.38	9.69
15	---	9.26	---	8.36	8.05	7.64	7.47	7.14	6.89	7.78	9.50	10.27
20	---	---	8.67	8.30	7.97	7.69	7.40	7.04	6.75	7.89	9.53	10.57
25	---	---	8.63	8.32	7.91	7.65	7.27	7.07	7.27	8.20	9.71	10.80
EOM	---	---	---	8.25	7.91	7.75	7.25	6.99	7.51	8.27	9.62	10.95
MAX	9.63	9.53	9.00	8.55	8.25	7.87	7.75	7.42	7.51	8.27	9.71	10.95



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

ST. LUCIE COUNTY--Continued

WELL NUMBER.--271755080153002. Local Number STL 176. USGS Observation Well near Port St. Lucie, FL.

LOCATION.--Lat 27°17'55", long 80°15'30", in NW ¼ NW ¼ SE ¼ sec.32, T.36 S., R.41 E., Hydrologic Unit 03090202, 4 ft from north edge of Walton Road, 0.5 mi west of Indian River Drive SR 707, approximately 15 ft west of STL-175.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 30 ft, cased to 26 ft.

INSTRUMENTATION.--Electronic data logger.

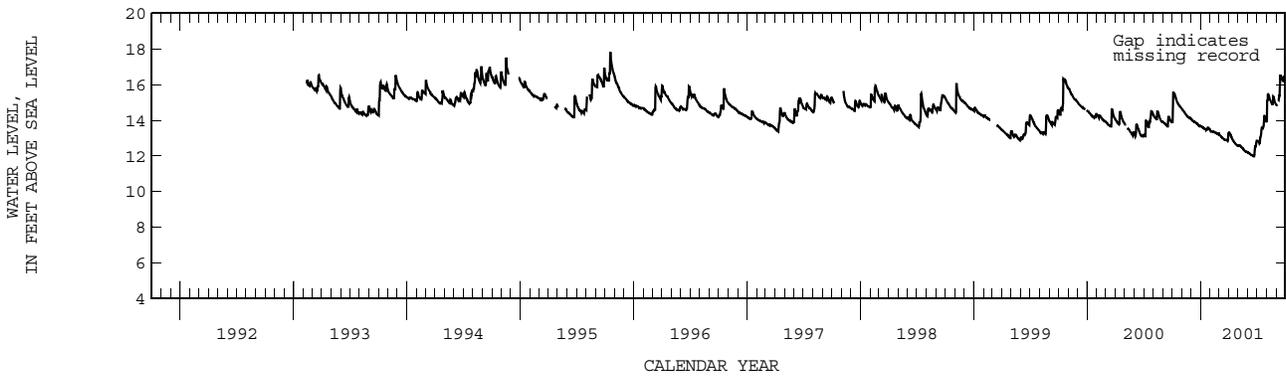
DATUM.--Land-surface datum is 18.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--February 1974 to January 1979 (daily), May 1988 to November 1992 (semiannual), February 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.79 ft NGVD, Oct. 17, 18, 1995; lowest, 10.58 ft NGVD, Sept. 1, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.55	14.55	13.97	13.63	13.38	13.14	13.24	12.60	12.16	12.82	15.45	---
10	15.37	14.44	13.93	13.55	13.36	13.04	13.06	12.52	12.08	12.72	15.27	15.38
15	15.11	14.31	13.88	13.51	13.32	12.96	12.89	12.43	12.04	13.44	15.05	16.50
20	14.90	14.19	13.81	13.47	13.28	12.91	12.75	12.34	11.98	13.57	14.86	16.34
25	14.80	14.13	13.73	13.59	13.23	12.88	12.64	12.25	12.51	14.25	15.15	16.45
EOM	14.67	14.08	13.68	13.43	13.20	13.30	12.57	12.21	12.85	13.92	14.89	16.22
MAX	15.55	14.66	14.05	13.67	13.41	13.30	13.32	12.60	12.85	14.25	15.46	16.50



ST. LUCIE COUNTY--Continued

WELL NUMBER.--272138080374103. Local Number STL 313. USGS Observation Well near Okeechobee, FL.

LOCATION.--Lat 27°21'38", long 80°37'41", in SE ¼ NW ¼ NE ¼ sec.10, T.36 S., R.37 E., Hydrologic Unit 03090202, approximately 400 ft north of SR-70 and 150 ft west of Old Bessimer Road near V-2 Ranch, 14 mi northeast of Okeechobee, northwest of microwave tower.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 122 ft, cased to 40 ft.

INSTRUMENTATION.--Electronic data logger.

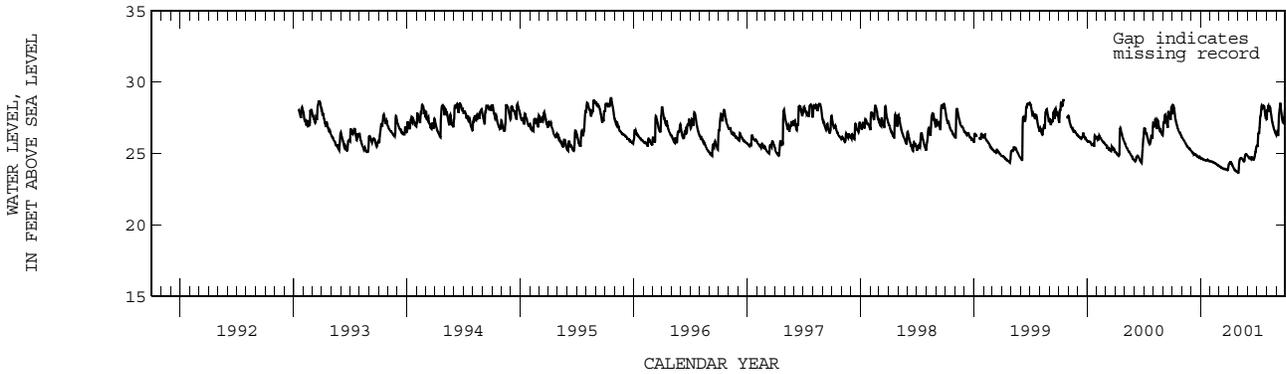
DATUM.--Land-surface datum is 29.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.55 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 28.89 ft NGVD, Oct. 20, 1995; lowest, 23.66 ft NGVD, May 2, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	28.36	26.03	25.08	24.64	24.44	24.07	24.36	24.49	24.70	26.38	28.05	26.31
10	27.55	25.85	24.96	24.56	24.38	24.00	24.30	24.68	24.63	27.08	28.00	27.84
15	27.04	25.64	24.93	24.53	24.33	23.94	24.09	24.59	24.72	28.26	27.79	28.44
20	26.65	25.47	24.79	24.51	24.25	23.94	23.85	24.45	24.55	28.21	27.12	27.42
25	26.47	25.35	24.73	24.51	24.17	23.87	23.77	24.94	25.09	28.11	26.69	27.34
EOM	26.18	25.20	24.67	24.46	24.14	24.19	23.68	24.85	25.52	27.42	26.34	28.22
MAX	28.37	26.17	25.17	24.66	24.45	24.19	24.36	24.95	25.52	28.37	28.35	28.55



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

ST. LUCIE COUNTY--Continued

WELL NUMBER.--272313080182701. Local Number STL 172. USGS Observation Well near Port St. Lucie, FL.

LOCATION.--Lat 27°23'15", long 80°18'34", in NW ¼ NW ¼ SE ¼ sec.35, T.35 S., R.40 E., Hydrologic Unit 03090202, in Savannah Recreation Area, approximately 200 ft east of entrance booth and 15 ft east of STL 298, approximately 0.5 mi north of Midway Road (SR 712) on Gun Club Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 30 ft, cased to 26 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 16.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.90 ft above land-surface datum.

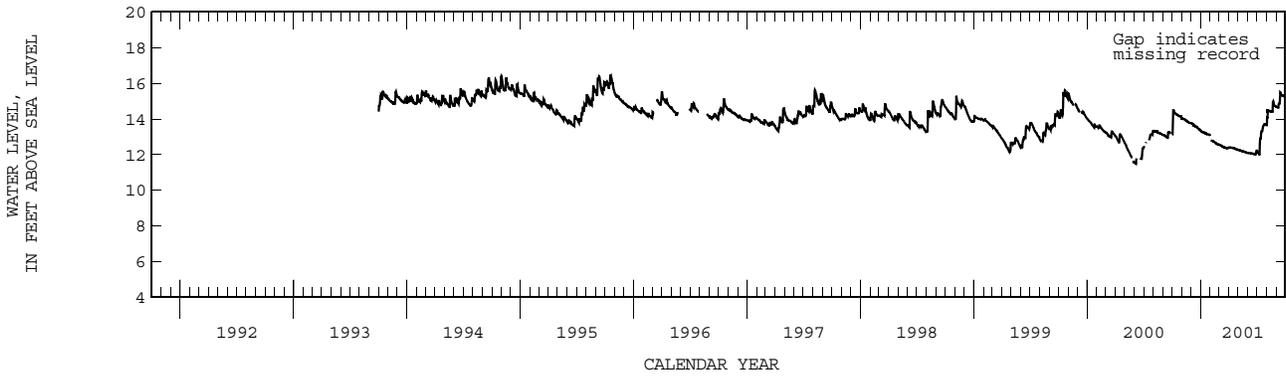
REMARKS.--Station number published incorrectly as 272315080182701 in WDR FL-97-2B 1997.

PERIOD OF RECORD.--May 1988 to October 1989 (semiannual), September 1990 to September 1993 (monthly), October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.44 ft NGVD, Oct. 19, 1995; lowest water level measured, 10.74 ft NGVD, May 2, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.49	14.01	13.73	13.27	12.78	12.53	12.40	12.24	12.08	12.10	14.49	14.65
10	14.33	13.99	13.63	13.25	12.74	12.47	12.39	12.22	12.08	12.61	14.45	14.87
15	14.26	13.91	13.58	13.20	12.69	12.43	12.37	12.19	12.06	13.31	14.42	15.48
20	14.20	13.85	13.51	13.14	12.62	12.39	12.35	12.17	12.04	13.59	14.40	15.33
25	14.15	13.78	13.45	13.13	12.57	12.37	12.30	12.14	12.02	13.71	14.77	15.29
EOM	14.04	13.76	13.36	13.05	12.56	12.40	12.27	12.10	12.22	13.66	14.69	15.26
MAX	14.49	14.04	13.76	13.35	12.79	12.56	12.40	12.27	12.22	13.71	14.98	15.49



ST. LUCIE COUNTY--Continued

WELL NUMBER.--272427080240201. Local Number STL 213. USGS Observation Well near Fort Pierce, FL.

LOCATION.--Lat 27°24'27", long 80°24'02", in SE ¼ NE ¼ NE ¼ sec.26, T.35 S., R.39 E., Hydrologic Unit 03090202, 15 ft east of Gordy Road, 1 mi south of SR 70. The intersection of Gordy Road and SR 70 is one block west of the Florida Turnpike.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 126 ft, cased to 115 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 17.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.45 ft above land-surface datum. Prior to June 22, 1998, land-surface datum was considered to be 17.79 ft NGVD and the top of base was 2.57 ft above land-surface datum. See REMARKS.

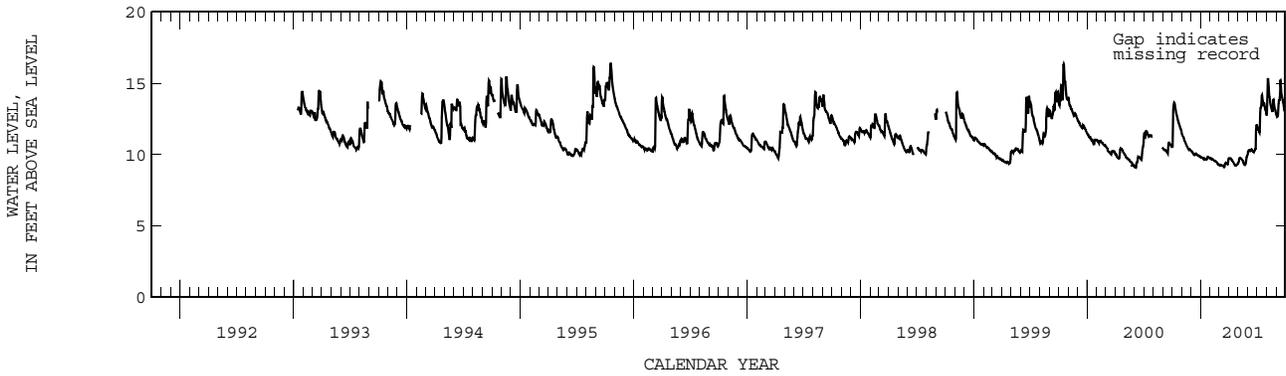
REMARKS.--Revised measuring point because of station reconstruction, and survey of July 2, 1998.

PERIOD OF RECORD.--May 1988 to October 1989 (semiannual), September 1990 to December 1992 (monthly), January 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.39 ft NGVD, Oct. 18-19, 1995; lowest water level measured, 8.91 ft NGVD, Oct. 27, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.41	11.29	10.16	9.78	9.72	9.27	9.75	9.75	10.29	11.80	15.36	12.69
10	13.36	10.97	10.00	9.69	9.64	9.23	9.67	9.73	10.29	11.84	14.05	13.83
15	12.76	10.72	10.03	9.69	9.57	9.19	9.51	9.59	10.30	13.57	13.38	15.21
20	12.31	10.49	9.99	9.66	9.49	9.34	9.29	9.36	10.17	13.42	12.98	14.00
25	11.97	10.40	9.90	9.81	9.35	9.38	9.24	9.34	10.41	13.39	13.46	13.41
EOM	11.55	10.27	9.82	9.76	9.31	9.73	9.35	9.92	12.06	12.81	12.86	13.41
MAX	13.66	11.48	10.25	9.82	9.73	9.73	9.75	9.92	12.06	14.16	15.36	15.21



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

ST. LUCIE COUNTY--Continued

WELL NUMBER.--272524080242801. Local Number STL 125. USGS Observation Well near Fort Pierce, FL.

LOCATION.--Lat 27°25'24", long 80°24'28", in NW ¼ NE ¼ sec.23, T.35 S., R.39 E., Hydrologic Unit 03090202, on Rock Road, 0.14 mi south of White Road, 0.53 mi west of Kings Highway, and 5.0 mi south of Fort Pierce.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 11.77 ft, cased to 11.77 ft.

INSTRUMENTATION.--Satellite data collection platform.

DATUM.--Land-surface datum is 20.24 ft above National Geodetic Vertical Datum of 1929. Prior to October 1991, land-surface datum was considered to be 19.60 ft NGVD. Measuring point: Top of flange, 2.91 ft above land-surface datum; prior to January 31, 2001, top of base, 2.98 ft above land-surface datum; prior to April 25, 2000, top of casing, 2.92 ft above land-surface datum. See REMARKS.

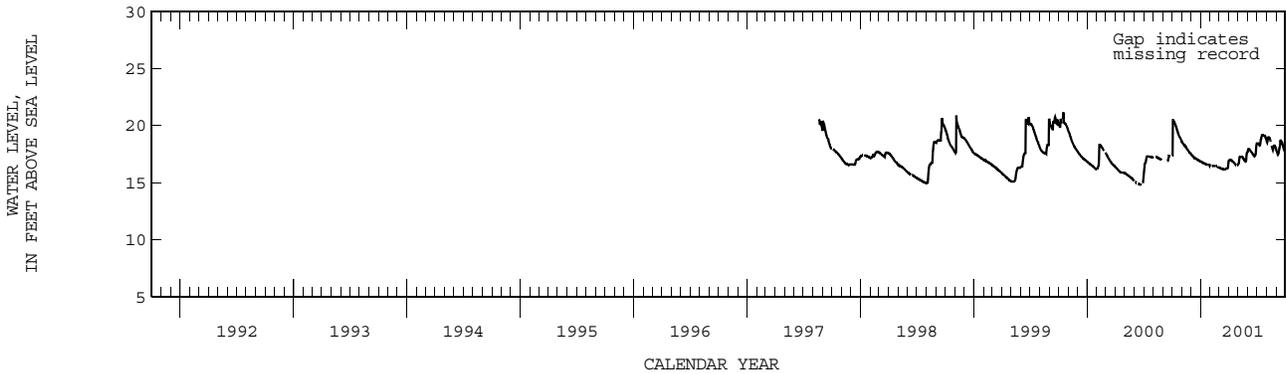
REMARKS.--Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water levels, as elevation in feet NGVD, prior to October 1991 are in error. See DATUM.

PERIOD OF RECORD.--January 1967 to September 1994 (monthly), August 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.87 ft NGVD, present datum, Nov. 5, 1998; lowest water level measured, 14.19 ft NGVD, June 24, 1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.47	18.43	17.36	16.78	---	16.29	16.99	17.17	17.95	18.41	18.94	17.51
10	20.16	18.27	17.23	16.71	16.47	16.23	16.96	17.29	17.79	18.26	18.94	17.96
15	19.72	18.09	17.13	16.66	16.47	16.17	16.83	17.25	17.60	18.95	---	18.69
20	19.31	17.88	17.04	16.58	16.47	16.17	16.70	17.05	17.38	19.16	17.95	18.47
25	18.99	17.68	16.96	16.58	16.37	16.24	---	16.89	17.45	19.11	18.25	17.97
EOM	18.66	17.52	16.86	16.52	16.34	16.89	16.55	17.66	18.41	18.70	17.93	17.97
MAX	20.48	18.60	17.50	16.85	16.47	16.89	16.99	17.66	18.41	19.19	18.99	18.69



ST. LUCIE COUNTY--Continued

WELL NUMBER.--272655080401601. Local Number STL 42. USGS Observation Well near Fort Pierce, FL.

LOCATION.--Lat 27°26'55", long 80°40'16", in SE ¼ NW ¼ sec.7, T.35 S., R.37 E., Hydrologic Unit 03090202, 85 ft north of SR 68, 9.8 mi east of US 441 and 20 mi west of Fort Pierce.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 6 in., depth 18 ft, cased to 13 ft, gravel-packed 12 to 18 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 28.01 ft above National Geodetic Vertical Datum of 1929. Prior to October 1991, land-surface datum was considered to be 27.79 ft NGVD. Measuring point: Top of base, 2.70 ft above land-surface datum. See REMARKS.

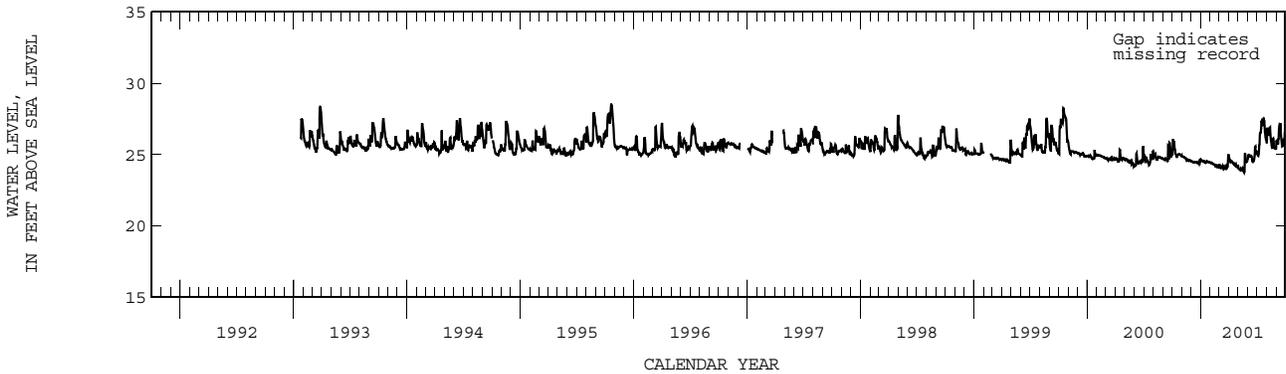
REMARKS.--Records of water levels prior to October 1950 are available in files of the Geological Survey. The figures of water levels as elevation in feet NGVD, prior to October 1991 are in error. See DATUM.

PERIOD OF RECORD.--January 1950 to April 1979, May 1979 to December 1993 (monthly), January 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.31 ft NGVD, present datum, Oct. 16, 1956; lowest, 22.70 ft NGVD, present datum, May 22, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.92	24.86	24.50	24.57	24.42	24.14	24.52	23.99	24.89	24.93	26.48	25.92
10	25.28	24.79	24.45	24.57	24.35	24.10	24.52	24.04	24.88	26.35	26.57	26.98
15	24.83	24.66	24.48	24.45	24.27	24.17	24.43	24.03	24.57	27.32	25.95	26.87
20	25.02	24.62	24.49	24.52	24.25	24.16	24.41	23.79	24.54	27.45	25.40	25.60
25	25.02	24.59	24.41	24.48	24.15	24.04	24.21	24.81	25.58	26.96	25.58	26.04
EOM	24.95	24.55	24.69	24.44	24.19	24.93	24.14	24.62	25.18	25.99	25.35	26.21
MAX	26.08	24.87	24.69	24.65	24.43	25.02	24.83	25.05	25.58	27.47	26.91	27.20



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

ST. LUCIE COUNTY--Continued

WELL NUMBER.--273109080270301. Local Number STL 264. USGS Observation Well near Fort Pierce, FL.

LOCATION.--Lat 27°31'09", long 80°27'03", in SW ¼ NE ¼ SE ¼ sec.17, T.34 S., R.39 E., Hydrologic Unit 03090202, west side of ditch and culvert 0.4 mi inside east gate to orange grove. Orange grove located in southwest quadrant of Interstate 95 and Indrio Road, on Indrio Road approximately 0.5 mi west of Interstate 95, approximately 6 mi west of US 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 124 ft, cased to 90 ft.

INSTRUMENTATION.--Electronic data logger.

DATUM.--Land-surface datum is 21.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.07 ft above land-surface datum. Prior to June 8, 2001, top of base was 2.03 ft above land-surface datum. See REMARKS.

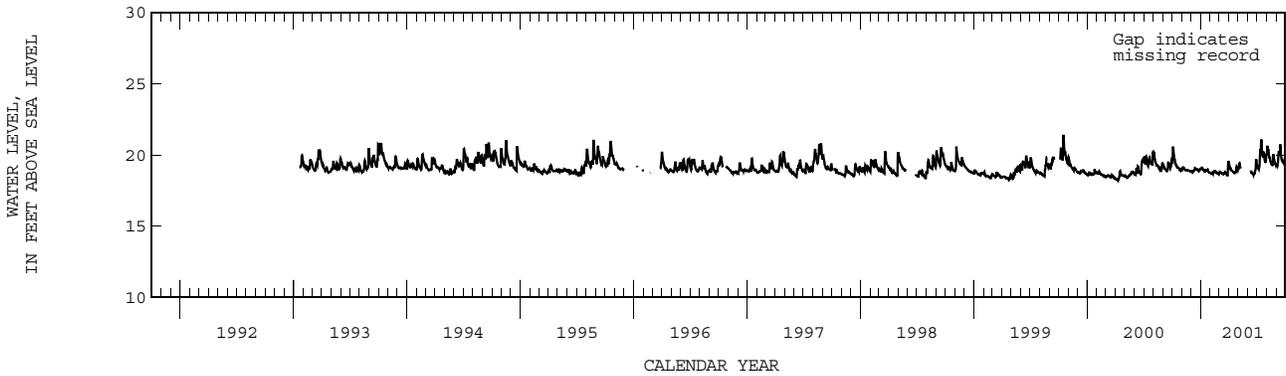
REMARKS.--Revised measuring point because of station reconstruction, and survey of June 8, 2001.

PERIOD OF RECORD.--May 1988 to November 1992 (semiannual), January 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.42 ft NGVD, Oct. 16, 1999; lowest, 18.23 ft NGVD, Apr. 9, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.29	19.14	18.84	19.09	18.70	18.79	19.07	19.42	---	19.10	20.49	19.41
10	19.51	18.98	18.90	18.95	18.82	18.74	18.97	---	18.80	19.87	19.82	20.10
15	19.21	18.93	19.03	18.87	18.87	18.69	18.82	---	18.74	21.03	19.44	20.53
20	19.12	18.91	18.96	18.97	18.75	18.81	18.75	---	18.70	19.90	19.30	19.61
25	19.00	18.90	18.92	18.86	18.70	18.64	19.10	---	18.94	19.67	19.65	19.45
EOM	18.90	18.88	19.06	18.75	18.69	19.50	18.94	---	19.46	20.07	19.38	19.55
MAX	20.59	19.14	19.08	19.09	18.87	19.59	19.44	19.42	19.66	21.03	20.60	20.74



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