USGS
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Water Resources Data
Florida
Water Year 2002

Volume 2B. South Florida Ground Water

Water-Data Report FL-02-2B

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

CALENDAR FOR WATER YEAR 2002

2001

OCTOBER

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2002

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

Water Resources Data Florida Water Year 2002

Volume 2B. South Florida Ground Water

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

Water-Data Report FL-02-2B

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

U.S. DEPARTMENT OF THE INTERIOR

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under cooperation

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2003

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

ACKNOWLEDGEMENT

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. Carolyn Price, 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 listed under COOPERATION on page 2.

Hydrologic data for south Florida are contained in two volumes

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

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13. ABSTRACT *(Maximum 200 words)*

Water resources data for 2002 water year in Florida consists of continuous or daily discharge for 392 streams, periodic discharge for 15 streams, continuous or daily stage for 191 streams, periodic stage for 13 stream, peak discharge for 33 streams, and peak stage for 33 streams, continuous or daily elevations for 14 lakes, periodic elevations for 49 lakes, continuous ground-water levels for 418 wells, periodic ground-water levels for 1287 wells, quality of water data for 116 surface-water sites, and 291 wells.

The data for South Florida included continuous or daily discharge for 71 streams, continuous or daily stage for 49 streams, no peak stage discharge for streams, 1 continuous elevation for lake, continuous ground-water levels for 238 wells, periodic ground-water levels for 260 wells, water quality for 24 surface-water sites, and 159 wells.

These data represent the National Water Data System records collected by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Florida.

14. SUBJECT TERMS

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

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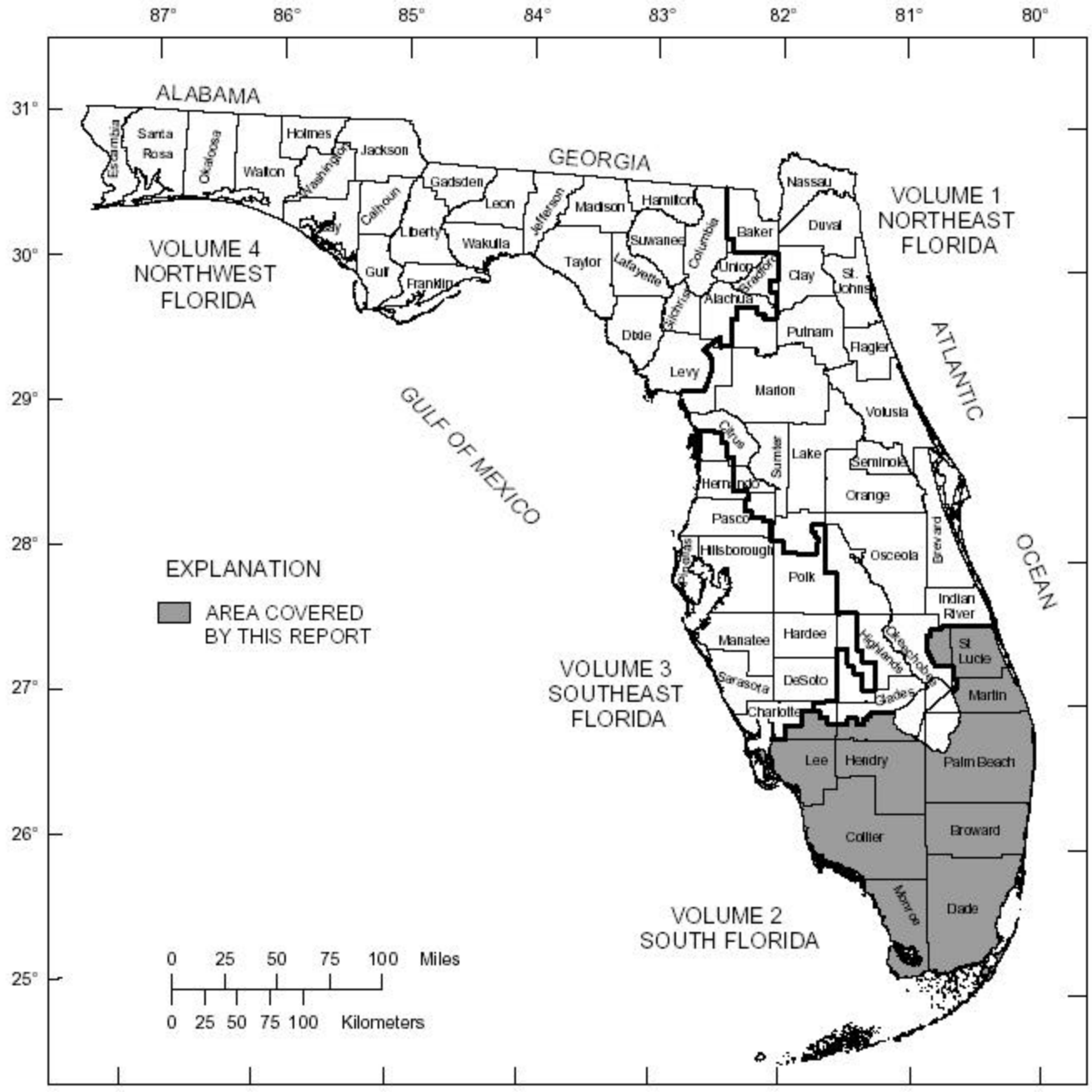

Figure 1. Geographic area covered by report.

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VOLUME 2B: SOUTH FLORIDA

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WATER RESOURCES DATA - FLORIDA, 2002

VOLUME 2B: SOUTH FLORIDA

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 71 streams, continuous or daily stage for 49 streams, continuous elevations for 1 lake, continuous ground-water levels for 238 wells, periodic ground-water levels for 260 wells, and quality-of-water data for 24 surface-water sites and 159 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.

VOLUME 2B: SOUTH FLORIDA

COOPERATION

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

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

Organizations that provided data are acknowledged in station manuscripts.

SUMMARY OF HYDROLOGIC CONDITIONS

This section summarizes important hydrologic events that occurred during the 2002 water year (October 1, 2001 to September 30, 2002) as well as significant natural and antropogenic water-management responses to these events. Figure 2 provides a frame of reference for some of the major land areas of hydrologic significance.

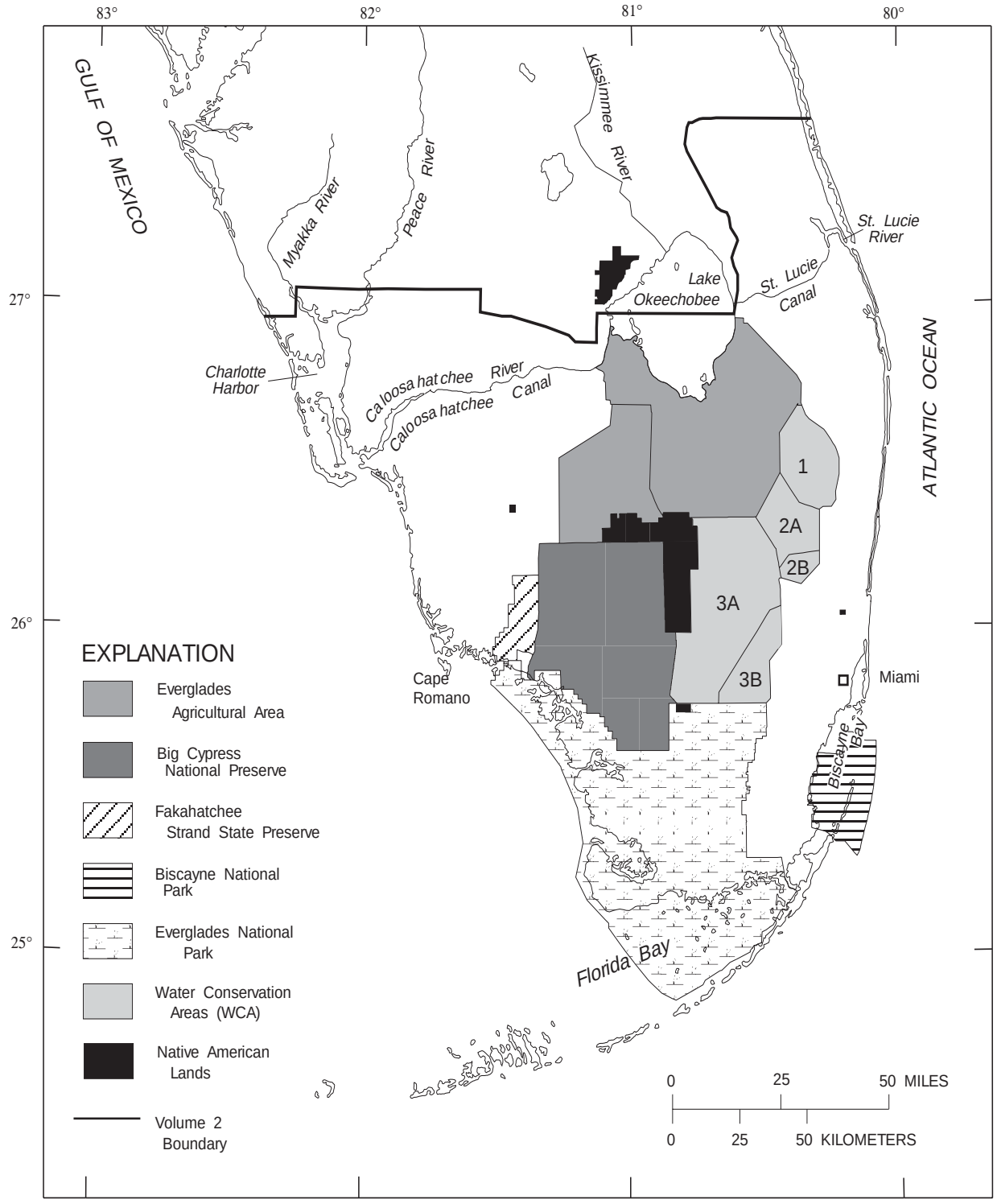


Figure 2. South Florida areas of hydrologic significance.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

Ground-Water Monitoring Network

During the 2002 water year (October 1, 2001 to September 30, 2002), the USGS Miami Subdistrict monitored 512 wells in southern Florida to assess regional ground-water conditions. In southeastern Florida, the principal aquifers monitored are the: Biscayne aquifer in Miami-Dade and Broward Counties (230 wells), and surfical aquifer system in Palm Beach, St. Lucie, and Martin Counties (52 wells). In southwestern Florida, the principal aquifers are the: water-table aquifer (77 wells), lower Tamiami aquifer (43 wells), sandstone aquifer (42 wells), mid-Hawthorn aquifer (36 wells), lower Hawthorn aquifer (or lower Hawthorn producing zone) (25 wells), and Floridan aquifer system (7 wells). The stratigraphic units included in these aquifers are shown in figure 3.

DATA FROM SELECTED WELLS

The most extensive data are provided by 238 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 2002 water year.

Two plots are shown for each of the seven selected stations (figs. 4-10). The first plot compares the maximum daily water levels for the 2002 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 long-term trend in water levels, the plot provides a means of comparing water levels in the 2002 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 (ft/yr). 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 is L-2434 (fig. 10), which 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 has decreased because the mechanical systems in these wells have been replaced with pressure transducers. For example, L-2434 has a much more complete record since the installation of a pressure transducer in February 1997.

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 remain below the long-term mean of the historical data from this well.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

<table>
<tr><th rowspan="2">Southeastern Geological Society in Florida Bureau of Geology Special Publication 28</th><th colspan="4">This report</th></tr>
<tr><th colspan="2">Southwestern Florida (Lee, Collier, and Hendry Counties)</th><th colspan="2">Southeastern Florida (Miami-Dade and Broward Counties)</th><th>Southeastern Florida (Martin, Palm Beach, and St. Lucie Counties)</th></tr>
<tr><td rowspan="3">Surficial aquifer system</td><td rowspan="3">Surficial aquifer system</td><td>Water-table aquifer</td><td rowspan="4">Surficial aquifer system</td><td>Biscayne aquifer</td><td rowspan="3">Surficial aquifer system</td></tr>
<tr><td rowspan="2">Confining beds</td><td>Semiconfining unit</td></tr>
<tr><td>Gray limestone aquifer</td></tr>
<tr><td>Lower Tamiami aquifer</td><td>Semiconfining unit</td></tr>
<tr><td rowspan="5">Intermediate aquifer system</td><td rowspan="5">Intermediate aquifer system</td><td>Confining unit</td><td rowspan="5">Intermediate confining unit</td><td rowspan="5">Intermediate confining unit</td></tr>
<tr><td>Sandstone aquifer</td></tr>
<tr><td>Confining unit</td></tr>
<tr><td>Mid-Hawthorn aquifer</td></tr>
<tr><td>Confining unit</td></tr>
<tr><td rowspan="2">Floridan aquifer system</td><td rowspan="2">Floridan aquifer system</td><td>Lower Hawthorn producing zone</td><td rowspan="2">Floridan aquifer system</td><td rowspan="2">Floridan aquifer system</td></tr>
<tr><td>Remaining portion of the Floridan aquifer system</td></tr>
</table>

Figure 3. Generalized geology and hydrogeology of southern Florida (Prinos and others, 2002)

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 southern Florida.

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. 4-10) show that all of the selected wells have statistically significant (p-value less than 0.05) long-term trends in water level.

The wells selected from the Biscayne aquifer in the lower east coast area (fig. 4, S-196A), surficial aquifer system in the upper east coast area (fig. 5, PB-561), and water-table aquifer in southwestern Florida (fig. 6, C-496) showed slight (about 0.02 to 0.04 ft/yr) trends toward increased water levels since water year 1978.

The wells selected from the lower Tamiami aquifer (fig. 7, L-2194), sandstone aquifer (fig. 8, L-729), mid-Hawthorn aquifer (fig. 9; L-1993), and lower Hawthorn aquifer in southwest Florida (fig. 10, L-2434) showed strong trends toward decreased water levels during the 1978-2002 water years. Well L-2194 showed a 0.11 ft/yr downward trend that represents an approximate 3-ft decrease in average water levels for this period (fig. 7). Well L-729 showed a 0.27 ft/yr downward trend that represents an approximate 7-ft decrease in average water levels (fig. 8). Well L-1993 showed a 0.67 ft/yr downward trend that represents an approximate 17-ft decrease in average water levels (fig. 9). Well L-2434 showed an overall downward trend of 1.35 ft/yr per year, representing an approximate 30-ft decrease in water levels from the 1981 to 2002 water year (fig. 10).

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-2434 during the 2002 dry season. The downward trends at wells L-729, L-1993, L-2194, and L-2434 are also responsible for recent water levels that are, on average below the historical monthly means (figs. 7-10). These means are based on data that include time periods when water levels were much higher. This effect of the downward trend is most obvious in the plot of the 2002 water year data for L-1993 (fig. 9). Therefore, comparison of recent and historical water-level fluctuations must be made with a full understanding of long-term water-level trends.

GROUND-WATER CONDITIONS DURING THE 2002 WATER YEAR

Water levels in the aquifers of southern Florida respond to changes in precipitation. Rainfall data collected by the South Florida Water Management District (2003) provide a framework for understanding the changes in water levels that occur during the year. The rainfall data provided by South Florida Water Management District (SFWMD) are subdivided into 16 geographic areas. Totals of monthly rainfall from individual stations within these areas are averaged, and the resulting value is compared to the historical average total monthly rainfall for that area. Daily rainfall averages for each area are also provided (SFWMD, 2003).

At the beginning of the water year, water levels in wells C-496, PB-561, S-196A, L-729, and L-2194 in the shallow aquifers of southern Florida were all approximately equivalent to or greater than one standard deviation above the normal monthly mean water level for these stations. These levels were caused by a combination of rainfall from Hurricane Gabrielle on September 14 and another rainfall event that contributed 4 to 6 in. of rainfall between September 26 and 29.

In October, water levels in wells C-496, L-729, PB-561, and S-196A rose again in response to the rainfall produced by Hurricane Michelle. However, Hurricane Mitchelle generally did not produce as much rainfall in southern Florida as occurred during the two major storms in September. Of the seven wells examined, only well S-196A in the Biscayne aquifer in Miami-Dade County indicated levels above those that occurred at the end of September. For October, rainfall in southern Florida was generally about normal, except for eastern Miami-Dade County where rainfall for the month totaled 174 percent of normal and several areas in Hendry, Martin, Palm Beach, and St. Lucie Counties where rainfall was slightly less than normal (74 to 88 percent of normal).

Rainfall in November was generally much lower than normal throughout most of southern Florida. Monthly total rainfall ranged from 23 to 74 percent of normal, except in the Florida Keys and Martin and St. Lucie Counties where rainfall was normal. Water levels in wells L-729, L-2194, and L-2434 in Lee

County (where rainfall was 23 percent of normal) declined rapidly during the month. By the end of November water levels in well L-729 were one standard deviation below the monthly mean. A period-of-record lowest daily maximum water level was recorded in well L-2434 on December 2, 2001.

In December, rainfall was about normal throughout Collier, Lee, and Palm Beach Counties (98 to 146 percent of normal). It was higher than normal in the Everglades (229 percent of normal) and lower than normal (36 to 79 percent of normal) in eastern Broward and Miami-Dade Counties, Martin and St. Lucie Counties, and north of Lake Okeechobee. Water levels in most of the selected wells declined at about the normal rate for this time of the year. Water levels in well PB-561 declined at somewhat greater than the normal rate. Water levels in well L-729 were frequently lower than one standard deviation below the mean.

January rainfall was again lower than normal throughout southern Florida. Rainfall in Broward County, eastern Miami-Dade County, and the Florida Keys was only 16 to 28 percent of normal for this month. Yet water levels in well S-196A remained at or above the mean throughout the month. Water levels in wells C-496, L-1993, L-2194, and L-2434 generally followed the normal recessional trend for this time of year, but the rates of decline in wells PB-561 and S-196A were greater than normal. Water levels in well L-729 were frequently lower than one standard deviation below the mean.

In February, rainfall was normal or above normal in southern Florida, except in Lee County and eastern Collier and Hendry Counties where rainfall during the month totaled only 57 to 60 percent of normal. Water levels increased in wells PB-561, and S-196A relative the levels at the end of January. By the end of February, water levels in well S-196A were greater than one standard deviation above the mean. Water levels in wells L-729, L-1993, and L-2194 declined more rapidly than the normal recessional trend for this time of year. By the end of the month, water levels in wells L-2194 and L-729, respectively, were near or lower than one standard deviation below the mean.

Water levels in most of the selected wells declined sharply in March as a result of subnormal rainfall. Rainfall ranged from 14 to 65 percent of normal. Water levels in wells C-496, L-729, L-1993, L-2194, and PB-561 declined more rapidly than the normal recessional trend for this time of year. By the end of the month, water levels in several of these wells were considerably lower than one standard below the mean for this month.

In April, rainfall continued to be below normal for most of southern Florida (27 to 85 percent of normal). Only Collier, Lee, Martin, and St. Lucie Counties experienced near normal rainfall amounts (95 to 97 percent of normal). By late April and early May, water levels in wells L-729, L-1993, L-2194, L-2434 were not only much lower than one standard deviation below the mean, but were also in each case near the period of record minimum levels previously recorded in these wells.

By late May and early June, water levels in all of the selected wells had reached their lowest point for the water year. Rainfall for May was generally about normal or slightly less then normal. However, rainfall for the hydroperiod from November 2 2001 to June 1, 2002, had been significantly below normal (50 to 85 percent of normal) throughout southern Florida. As a result of lower than normal rainfall for the hydroperiod, almost every well selected had recorded water levels that were one standard deviation below normal or lower. Many of these wells had indicated water levels that were near period of record minimum levels.

Rainfall in June and July was normal to above normal throughout southern Florida. Rainfall totals for the 16 geographic areas ranged from 98 to 208 percent of normal. Water levels in all of the selected wells rebounded at rates that exceeded the normal rate for this period. Water levels in wells C-496, PB-561, and S-196A rose from about one standard deviation below normal in late May or early June to about one standard deviation above the mean in late June or early into July. For much of July, water levels in wells PB-561 and S-196A were greater than one standard deviation above the mean. The levels recorded in well PB-561 were about 1 ft lower than the period of record maximum daily water level for that well.

In August and September, rainfall was generally about normal (92 to 123 percent of normal) in southwestern Florida and somewhat less than normal (50 to 89 percent of normal) in southeastern Florida. Water levels in wells PB-561 and S-196A in southeastern Florida declined. By the end of September, water levels in well PB-561 had declined to slightly lower than normal; whereas water levels in well S-196A were lower than one standard below the mean for this month. Water levels in wells L-729 and L-2194 in southwestern Florida were about normal.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

EXPLANATION FOR PLOTS (FIGURES 4 TO 10) OF SUMMARY STATISTICS AND 2002 WATER YEAR DAILY MAXIMUM WATER LEVELS

Daily maximum water level, recorded during 2002 water year

Monthly mean curve of daily maximum water levels collected, during the month displayed, for the October 1977 to September 2002 period.

One standard deviation (above or below) the monthly mean of daily maximum water levels collected, during the month displayed, for the October 1977 to September 2002 period.

EXPLANATION FOR PLOTS (FIGURES 4 TO 10) 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 October 1977 to September 2002 period, wherein no one 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 October 1977 to September 2002 period, wherein one or more months is missing 15 or more days of water level record.

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

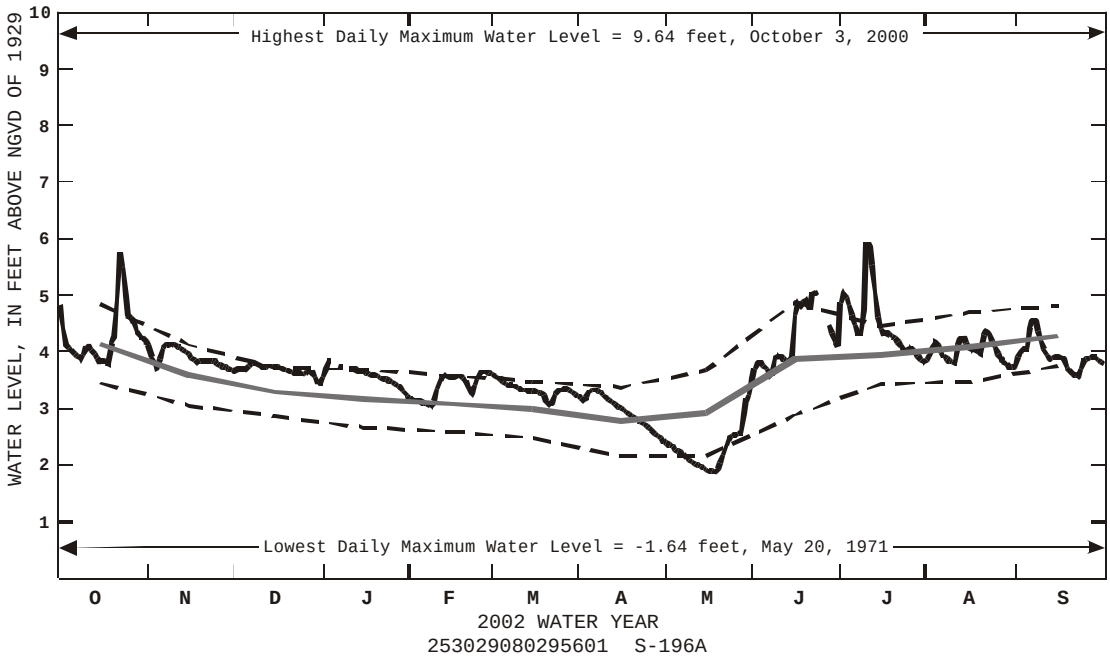
SKSE — The Seasonal Kendall Slope Estimator (SKSE) represents the median slope of the set of slopes obtained by computing the slope, in feet per year, of all unique pairs of monthly mean daily maximum water levels computed for the site shown.

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.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER EAST COAST - BISCAYNE AQUIFER

Historical water-level summary and observed daily maximum water levels, 2002 water year



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

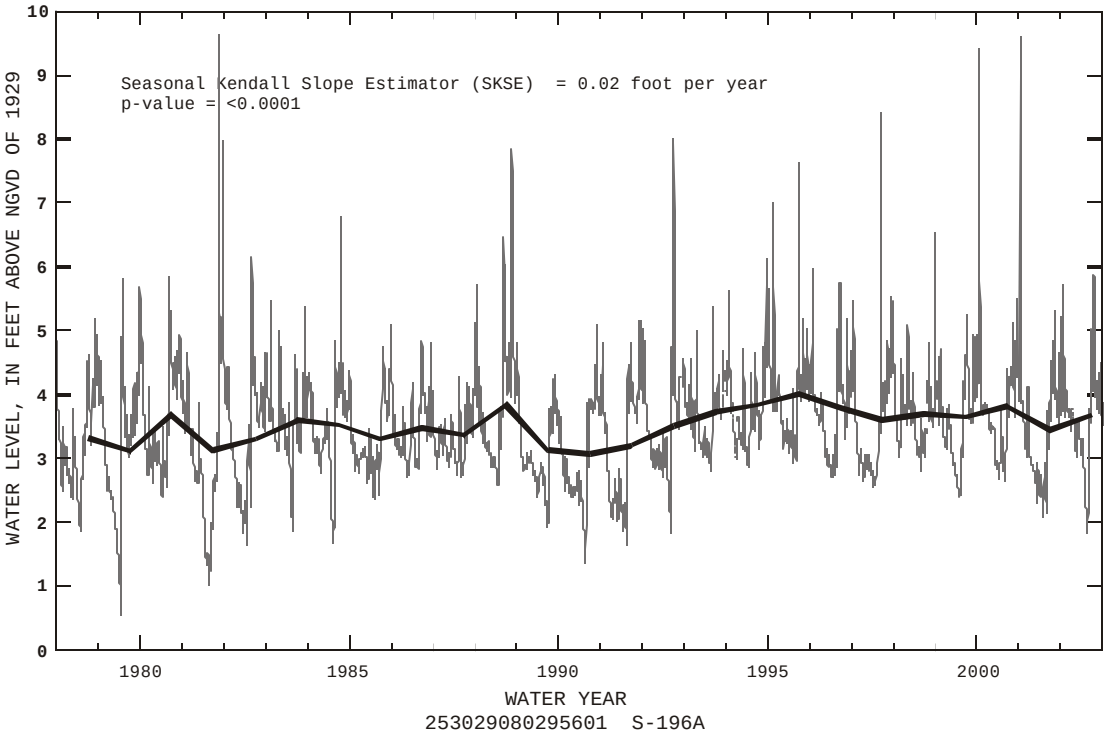
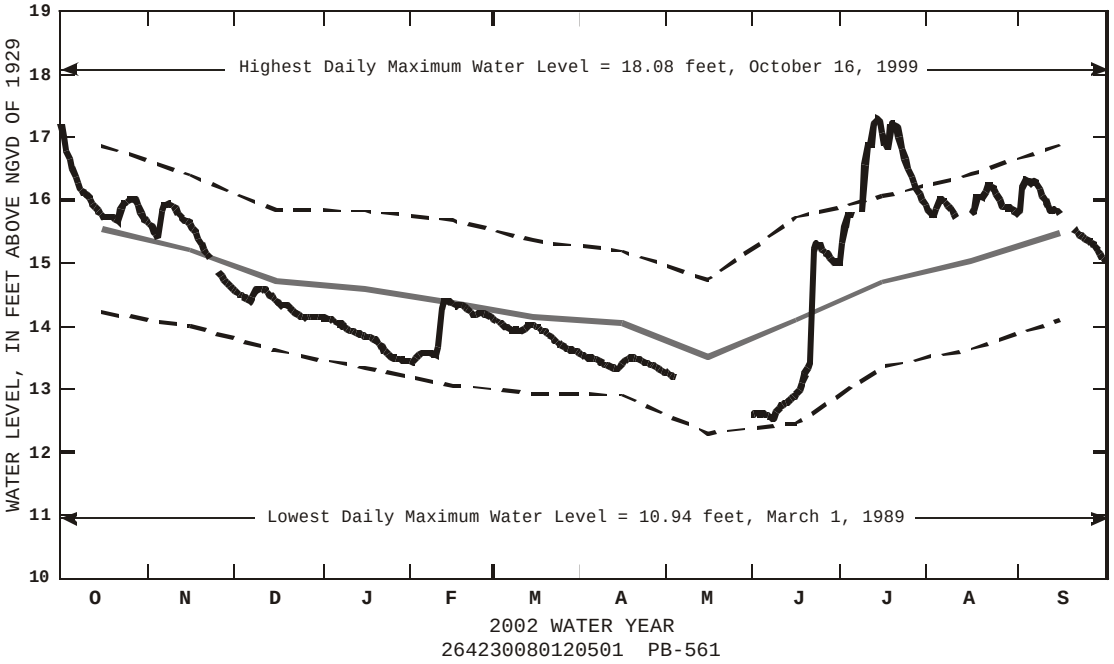


Figure 4. Historical water-level summary curves and annual mean of maximum daily water levels at well S-196A penetrating the Biscayne aquifer in Miami-Dade County. Explanation of symbols and lines precedes figure 4.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

UPPER EAST COAST - SURFICIAL AQUIFER SYSTEM

Historical water-level summary and observed daily maximum water levels, 2002 water year



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

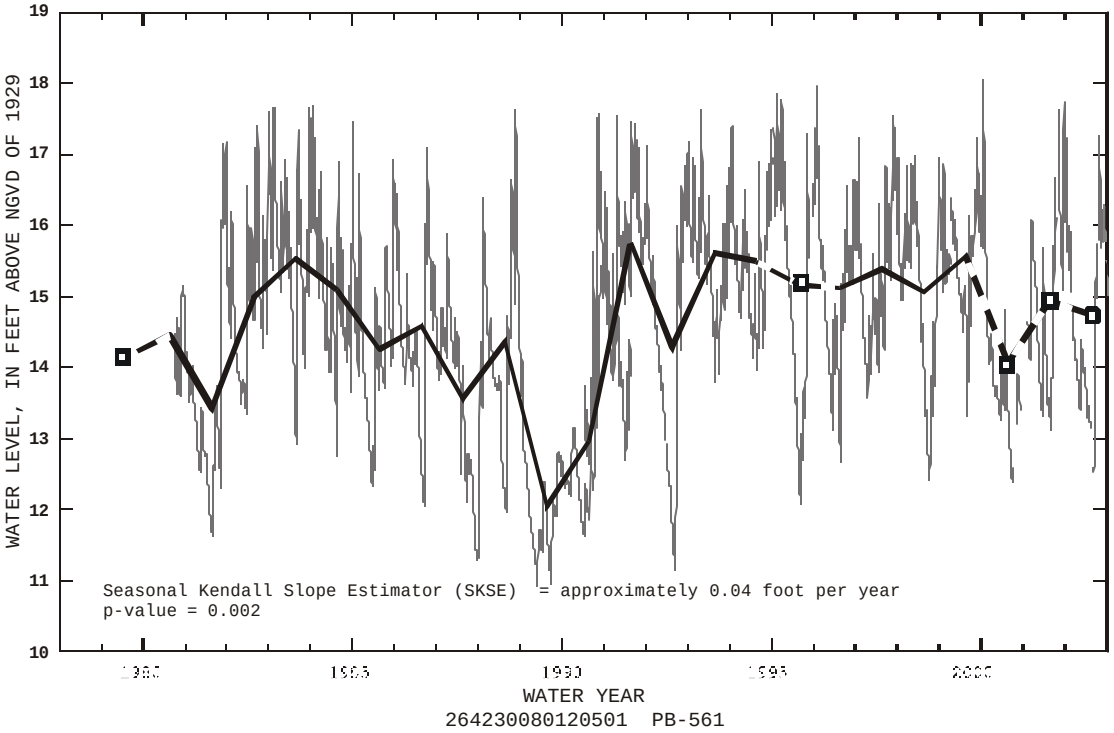
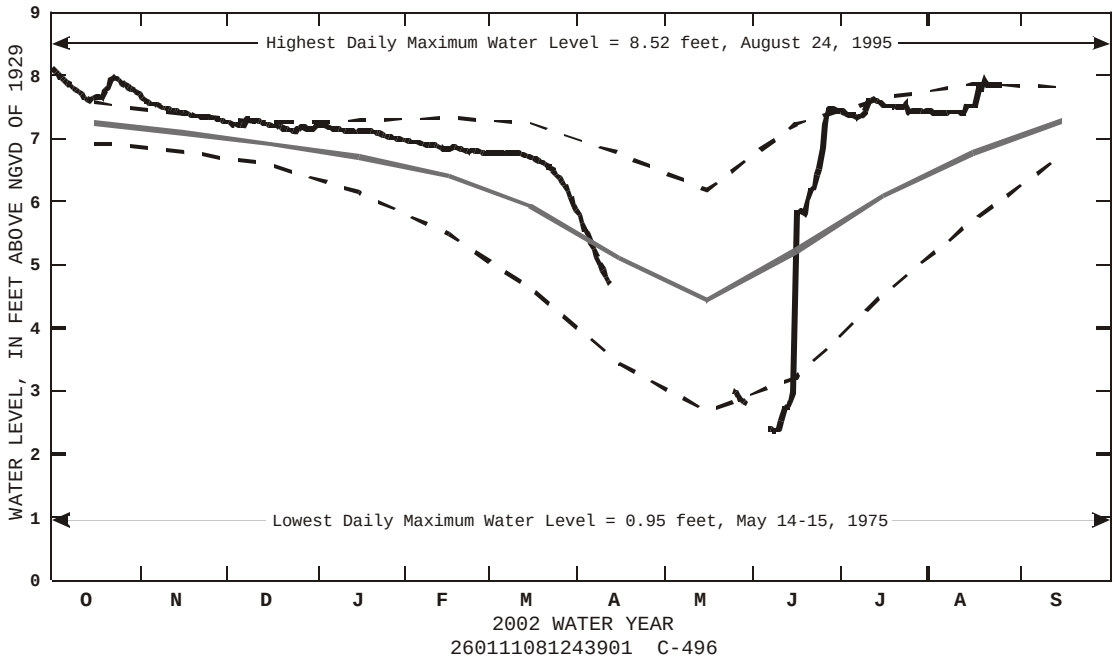


Figure 5. Historical water-level summary curves and annual mean of maximum daily water levels at well PB-561 penetrating the surficial aquifer system in Palm Beach County. Explanation of symbols and lines precedes figure 4.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER WEST COAST - SURFICIAL AQUIFER

Historical water-level summary and observed daily maximum water levels, 2002 water year



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

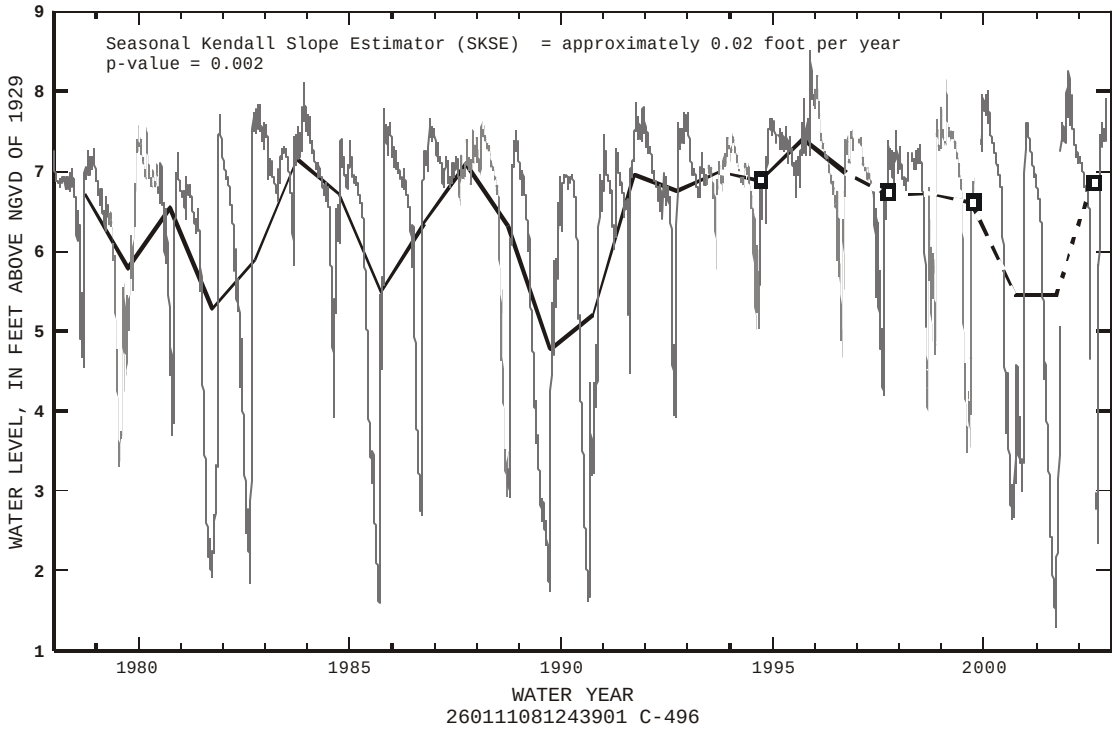
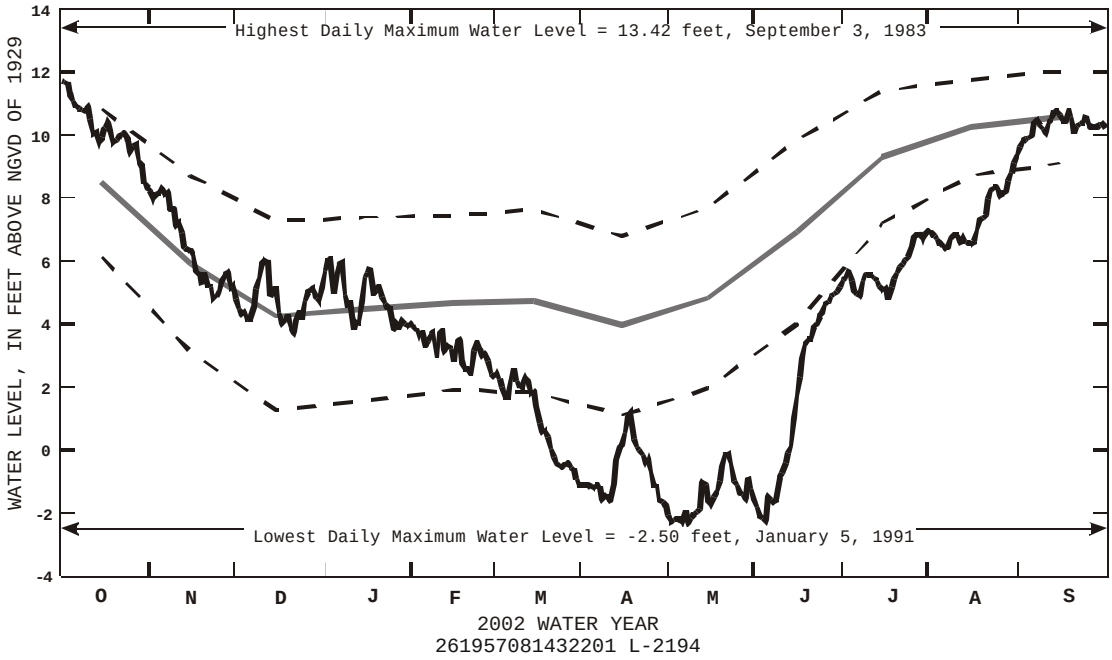


Figure 6. Historical water-level summary curves and annual mean of maximum daily water levels at well C-496 penetrating the surficial aquifer system (water-table aquifer) in Collier County. Explanation of symbols and lines precedes figure 4.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER WEST COAST - LOWER TAMIAMI AQUIFER

Historical water-level summary and observed daily maximum water levels, 2002 water year



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

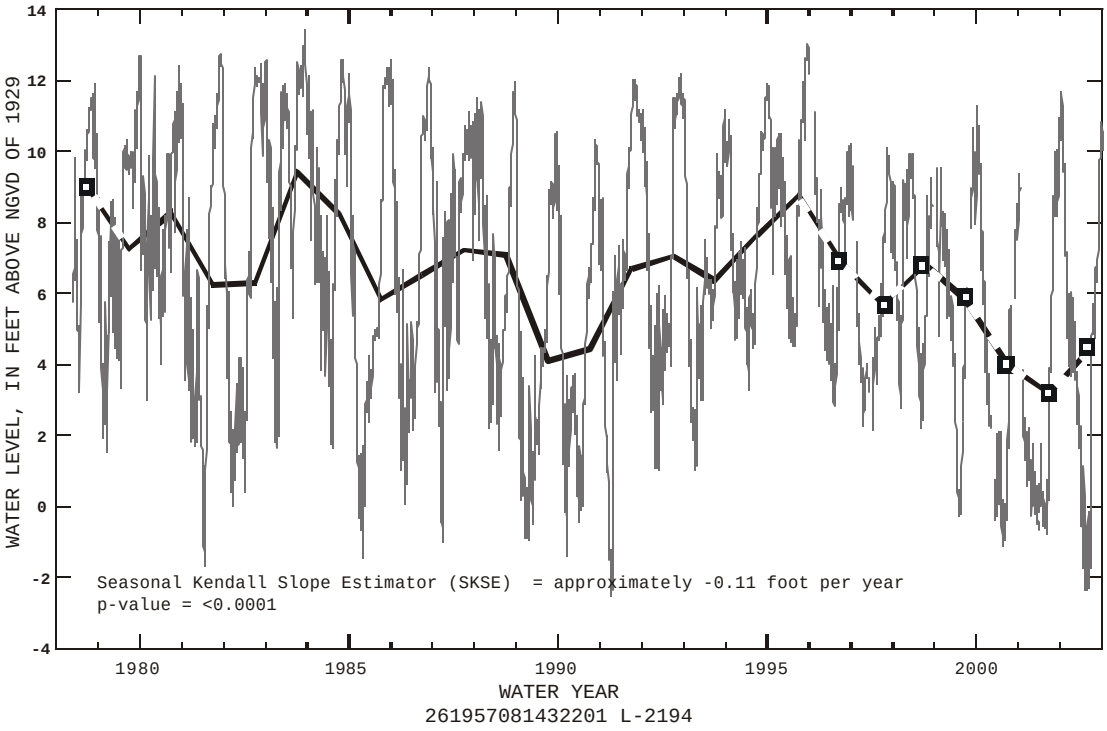
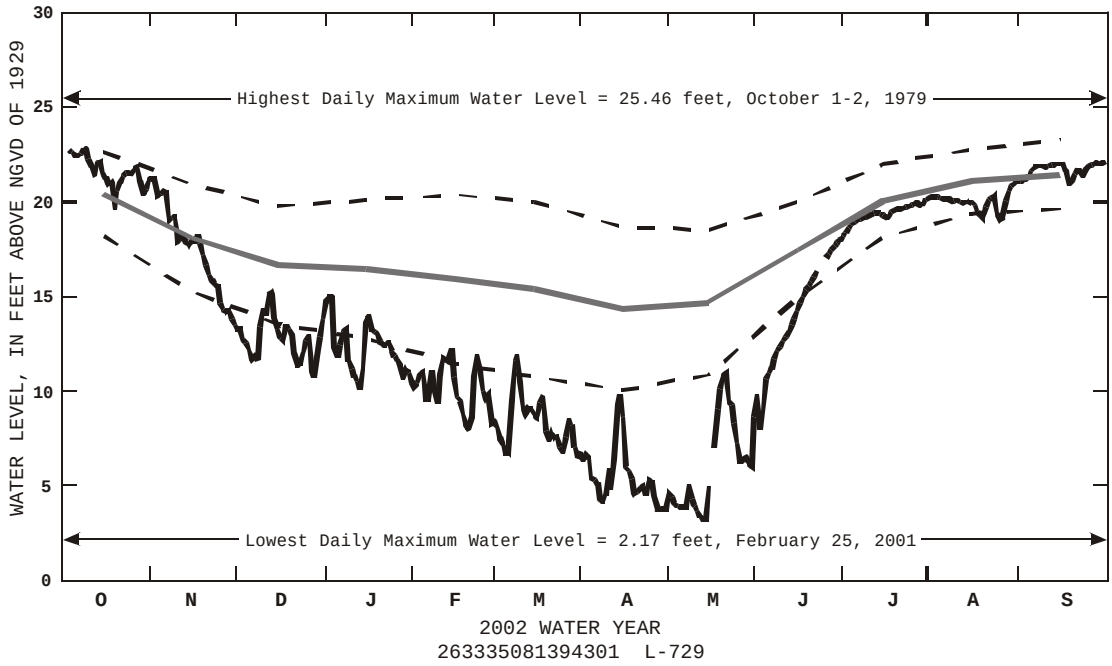


Figure 7. Historical water-level summary curves and annual mean of maximum daily water levels at well L-2194 penetrating the lower Tamiami aquifer in Collier County. Explanation of symbols and lines precedes figure 4.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER WEST COAST - SANDSTONE AQUIFER

Historical water-level summary and observed daily maximum water levels, 2002 water year



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

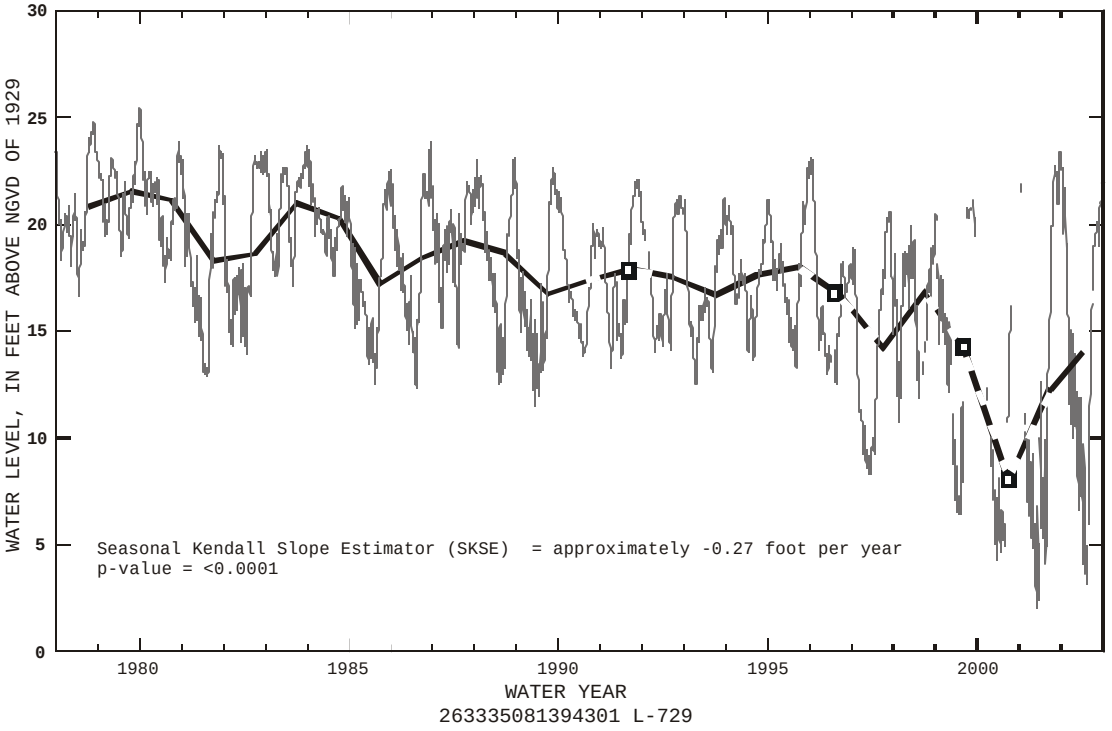
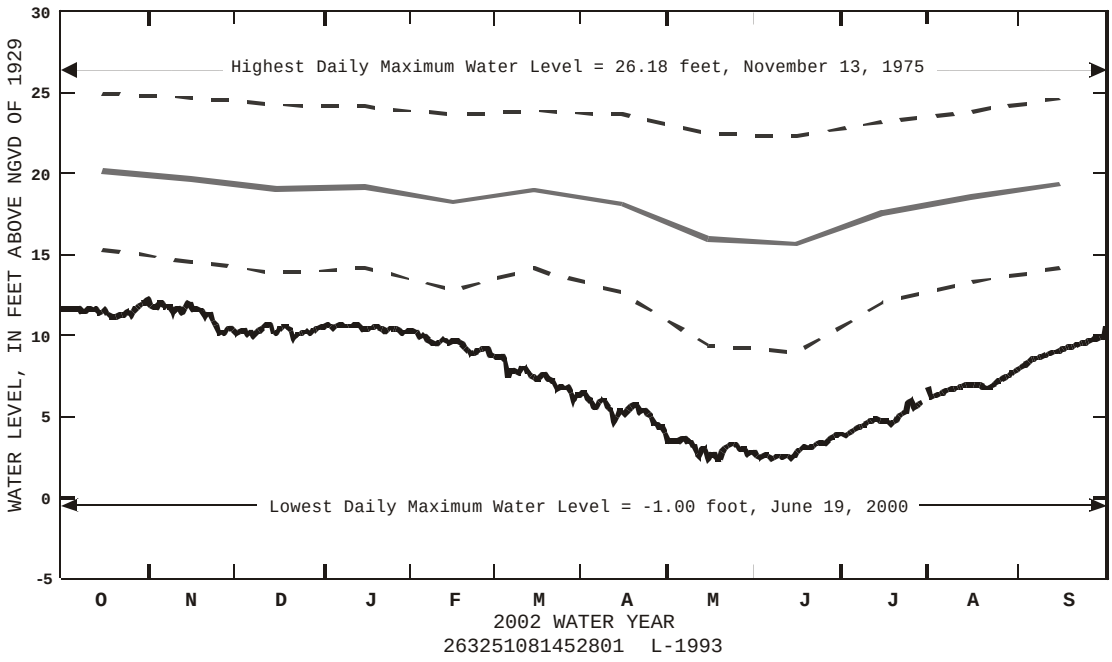


Figure 8. Historical water-level summary curves and annual mean of maximum daily water levels at well L-729 penetrating the sandstone aquifer in Lee County. Explanation of symbols and lines precedes figure 4.

SUMMARY OF HYDROLOGIC CONDITIONS (continued)

LOWER WEST COAST - MID-HAWTHORN AQUIFER

Historical water-level summary and observed daily maximum water levels, 2002 water year



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

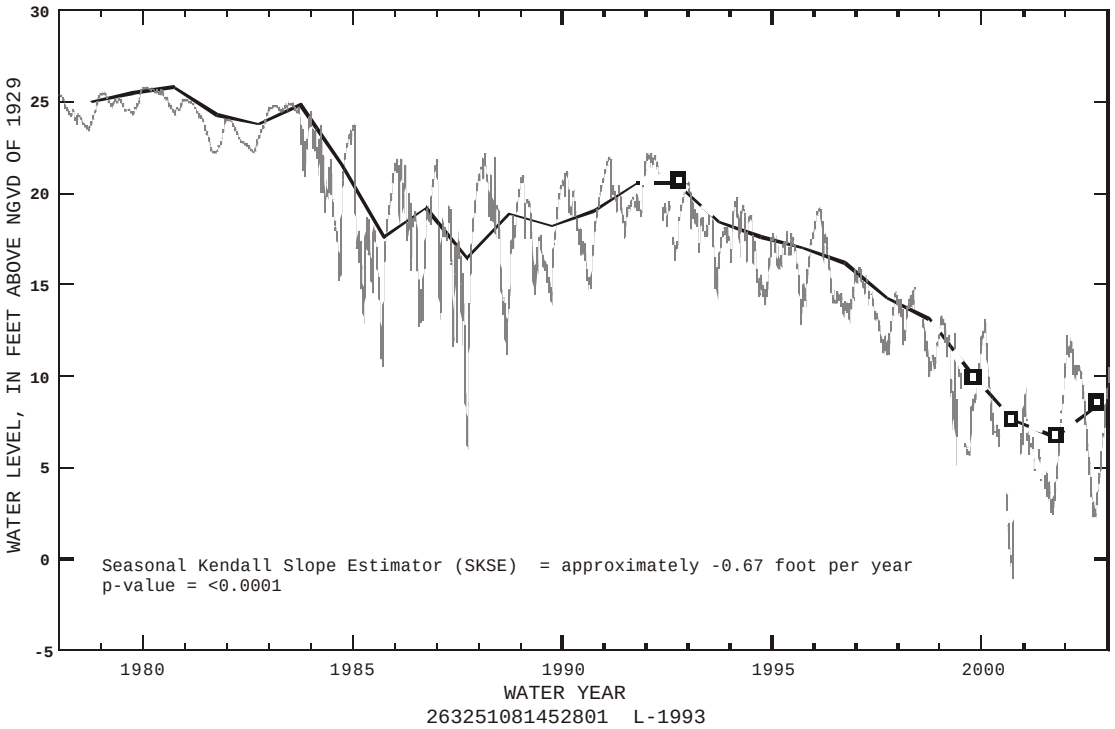
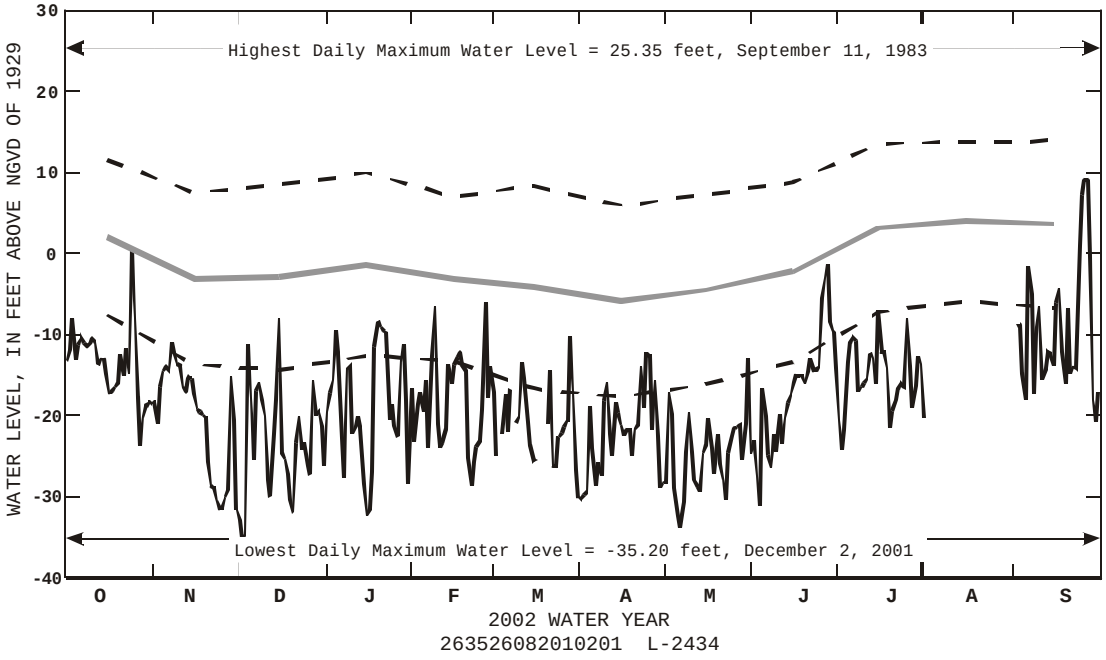


Figure 9. Historical water-level summary curves and annual mean of maximum daily water levels at well L-1993 penetrating the mid-Hawthorn aquifer in Lee County. Explanation of symbols and lines precedes figure 4.

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, 2002 water year



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

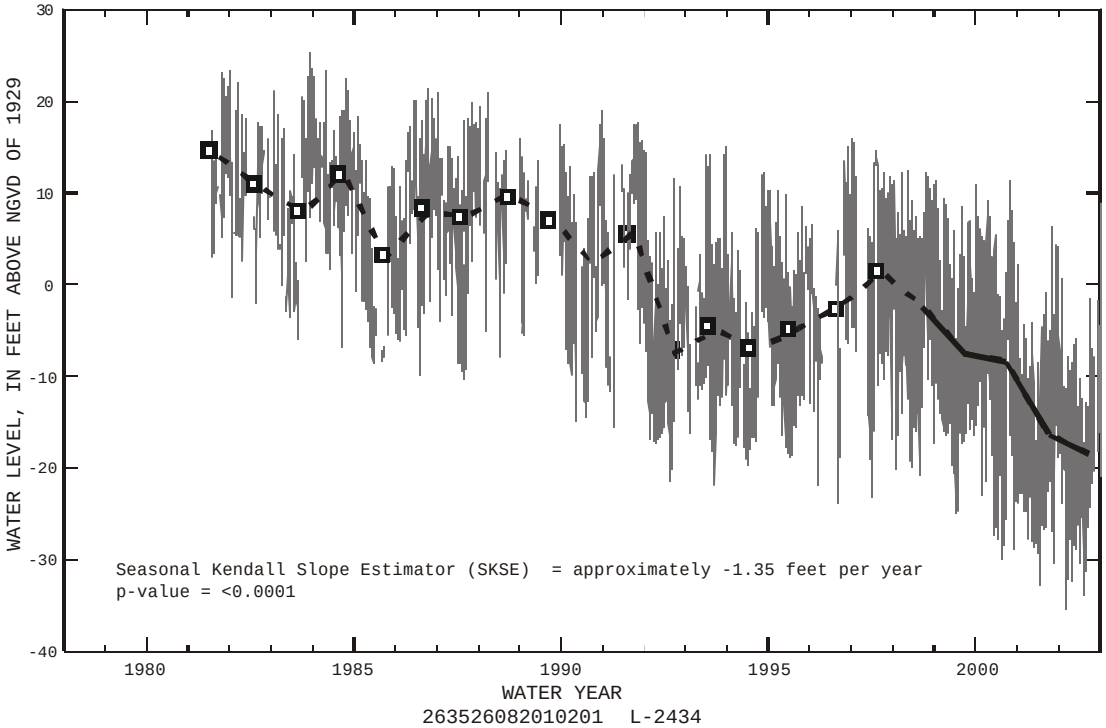


Figure 10. Historical water-level summary curves and annual mean of daily maximum water levels at well L-2434 penetrating the lower Hawthorn producing zone in Lee County. Explanation of symbols and lines precedes figure 4.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the streamflow representative of undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities. At 10 of these sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the effects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at http://water.usgs.gov/hbn/.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations was operated in the Mississippi, Columbia, Colorado, and Rio Grande basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia so that a network of 5 stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program can be found at http://water.usgs.gov/nasqan/.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 225 precipitation chemistry monitoring sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as all data from the individual sites, can be found at http://bqs.usgs.gov/acidrain/.

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 59 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program can be found at http://water.usgs.gov/nawqa/

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 indention in the “List of Stations” in the front of this report. Each indention represents one rank. This downstream order and system of indention 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 Miscellaneos 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 occassionally 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 11.)

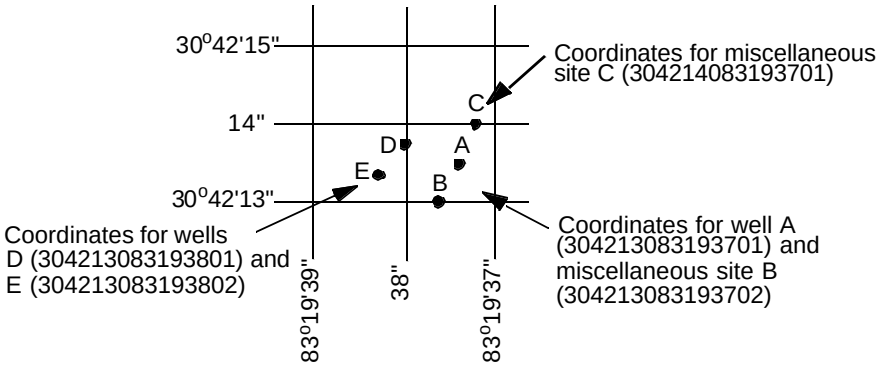


Figure 11. System for numbering wells and miscellaneous sites(latitude and longitude)

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.

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.

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 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 consists 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.

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).

MAXIMUM PEAK FLOW.-- The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.-- The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, 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.

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^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for more than 1,000 ft^3/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.

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.

VOLUME 2B: SOUTH FLORIDA

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 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.

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-QUALITY RECORDS

Remark Codes

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

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

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.

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.

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-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.

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.

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 ± 0.05 ft and uncertainty for those verified using pressure gage readings is generally considered to be about ± 0.1 ft.

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

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.

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 concentration of the pore water, and the lithology and porosity of the rock. Polyvinyl chloride (PVC) casings do not interfere with these measurements; however, for those wells where a steel or galvanized iron casing extends part way down the well, the probe cannot sense the materials outside of the casing. As the probe is lowered down the well and out of the influence of a metallic casing, a spike is usually created in the data. As the probe passes through different layers of rock, the different physical properties will cause variation in the recorded conductivity values. A clean sand or sandstone will generally 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 pore water may change due to saltwater intrusion. Conductivity values from freshwater-saturated rocks typically are 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 generally are 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 to be 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 bulk conductivity is a function of fluid conductivity, lithology, and porosity, the relationship between the induction logs and the chloride samples may not be as obvious as is the general relationship between fluid conductivity and chloride concentrations. 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. Nonetheless, 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, the chloride concentration is shown on the plot of bulk conductivity if water samples have been collected.

The instrument used to collect data for this report is calibrated prior to each field session. The calibration procedure establishes a mathematical constant (calibration factor) that is used to convert raw instrument readings in counts per second (cps) into values of bulk conductivity in millisiemens per meter (mS/m). 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 some of the observed offsets and amplitude differentials were caused by differing calibration factors between years. Most calibration factors differed because of temperature and humidity differences during calibration. The calibration procedures adapted during the 2000 water year were designed to minimize the influence of variable temperature and humidity. Before calibrating, the induction probe was lowered 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. One such example occurred with data collected for the 2000 water year. Prior to logging for the 2000 water year, the instrument firmware and software was updated. After logging, it was found that the data had been truncated at the decimal point. Errors in calibration have also been identified and corrected (see Accuracy of Bulk Conductivity).

Accuracy of Bulk Electrical 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. Vertical accuracy, which affects the determined interface position, is the most critical factor in this monitoring effort. A quality control program sets the velocity of the probe at 12 ft/min (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. Where possible, the data recorded as the probe was moved up the well were used to produce the plots for this report. Depth values from successive water years were adjusted, if needed, to coincide at one or more specific conductivity peak recorded from an upper part of the well. Depth values were 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. For the logs collected, the induction probe was set 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 generally within this range.

In the 1998 and 2002 water years, the induction probe was calibrated using standards of 0 and 345 mS/m. There are a number of monitoring wells where the measured bulk conductivity exceeds 345 mS/m. For these wells, a calibration standard of 345 mS/m was still used. This is because the probe would have to be set to a full scale of 10,000 mS/m in order to be calibrated using the next available standard (1,301 mS/m). This value would greatly exceed the normal range in bulk conductivity expected. The 345 mS/m calibration constant was also considered to be acceptable because within the range 0 to 1,000 mS/m, the response of the probe is considered to be linear; therefore calibrating the probe to this standard should not significantly reduce accuracy.

In the water years prior to 2002 (excluding 1998), the induction probe generally was calibrated using a 1,301 mS/m standard even though the full scale of the probe was 1,000 mS/m. This caused a calibration error in the data collected. To correct this error, a multiplier of 0.7686 was applied to all of the affected data.

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 relative 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 offset data from the 2000 water year are often 5 mS/m lower than the data from other years, truncation of the raw data probably is 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.

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).

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Definitions of common terms such as algae, water level, and precipitation are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting inch/pound 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. (See also "Biomass" and "Dry weight")

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 through 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 poly-chlorinated 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 substitution 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 percentage weight 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 collected. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) 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" and "Dry mass")

Aspect is the direction toward which a slope faces with respect to the compass.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, whereas 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.

Bankfull stage, as used in this report, is the stage at which a stream first overflows its natural banks formed by floods with 1- to 3-year recurrence intervals.

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 peak flows per year will be published. (See also "Peak flow")

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 foot) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler also may contain a component of the suspended load.

Bedload discharge (tons per day) is the 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-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," "Dry weight," "Sediment," and "Suspended-sediment discharge")

Bed material is the sediment mixture of which a stream-bed, 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 that 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 electrical conductivity is the combined electrical conductivity of all material within a doughnut-shaped volume surrounding an induction probe. 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 (μm^3) is determined by obtaining critical cell measurements or 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 geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

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

pi (π) is the ratio of the circumference to the diameter of a circle; pi = 3.14159….

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

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

Channel bars, as used in this report, are the lowest prominent geomorphic features higher than the channel bed.

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 warmblooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination

and presence of microorganisms that are resistant to disifection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of water 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 bound-aries. 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 that physically affects 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 regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (CFS, ft^3/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-foot" sometimes is used synonymously with "cubic foot per second" but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [$(ft^3/s)/d$]) is the volume of water represented by a flow of 1cubic foot per second for 24 hours. It is equivalent to 86,400cubic 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, $(ft^3/s)/mi^2$] 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 "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 sediment 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 chemicals, 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 $CaCO_3$) 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.

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")

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles. (See also "Substrate embeddedness class")

Enterococcus bacteria are commonly found in the feces of humans and other warmblooded 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 (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis, Streptococcus feacium, 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 warmblooded 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 (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Estimated (E) concentration value 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 semivolatile and extractable by ethyl acetate from air-dried streambed sediment. 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 sediment.

Fecal coliform bacteria are present in the intestines or feces of warmblooded animals. They often are 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 intestines of warmblooded 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 greater 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 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 often is 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.

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.

Geomorphic channel units, as used in this report, are fluvial geomorphic descriptors of channel shape and stream velocity. Pools, riffles, and runs are types of geomorphic channel units considered for National Water-Quality Assessment (NAWQA) Program habitat sampling.

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, as used in this report, includes all nonliving (physical) aspects of the aquatic ecosystem, although living components like aquatic macrophytes and riparian vegetation also are usually included. Measurements of habitat are typically made over a wider geographic scale than are measurements of species distribution.

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 commonly is 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 ($CaCO_3$).

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 that uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

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

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 index stations referred to in this report are 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")

Island, as used in this report, is a mid-channel bar that has permanent woody vegetation, is flooded once a year on average, and remains stable except during large flood events.

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 nondetection 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 (NWQL) 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 on the basis of the most current quality-control data and, therefore, may change. [Note: In several previous NWQL documents (NWQL Technical Memorandum 98.07, 1998), the LRL was called the nondetection 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.

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that converts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

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

$$I = I_o e^{-l L} ,$$

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

$$l = -\frac{1}{L}\log_e \frac{I}{I_o} .$$

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 usually are 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 intermediates. 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, µg/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, µg/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, µg/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 1milligram per liter. One microgram per liter is equivalent to 1 part per billion.

Microsiemens per centimeter (US/CM, µS/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, 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 milligrams per liter 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.

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, 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 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 1milligram 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 United States. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and United States 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 sediment. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or **volatile mass** of a 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^2), 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
Cobble	>64 - 256	Manual measurement
Boulder	>256	Manual measurement

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. For the sedimentation method, 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 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 of 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 a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

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. Although 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 7.0 standard units are termed "acidic," and solutions with a pH greater than 7.0 are termed "basic." Solutions with a pH of 7.0 are neutral. The presence and concentration of many dissolved chemical constituents found in water are affected, in part, by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms also are affected, 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 commonly are known as algae. (See also "Plankton")

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{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.

Pool, as used in this report, is a small part of a stream reach with little velocity, commonly with water deeper than surrounding areas.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photo-synthetic 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 [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/time)] for phytoplankton. The 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 with unenriched water samples. 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 [mgO/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(m^3/time)] for phytoplankton. The 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 elements 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 cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Reach, as used in this report, is a length of stream that is chosen to represent a uniform set of physical, chemical, and biological conditions within a segment. It is the principal sampling unit for collecting physical, chemical, and biological data.

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 nonexceedance 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 10years, on average); almost two-thirds of the nonexceedances of the $7Q_{10}$ occur less than 10 years after the previous nonexceedance, half occur less than 7years after, and about one-eighth occur more than 20 years after the previous nonexceedance. 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")

Riffle, as used in this report, is a shallow part of the stream where water flows swiftly over completely or partially submerged obstructions to produce surface agitation.

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 is used to denote location along a river.

Run, as used in this report, is a relatively shallow part of a stream with moderate velocity and little or no surface turbulence.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin during 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.

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 affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Sensible heat flux (often used interchangeably with latent sensible heat-flux density) is the amount of heat energy that moves by turbulent transport through the air across a specified cross-sectional area per unit time and goes to heating (cooling) the air. Usually expressed in watts per square meter.

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-term 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 "Annual 7-day minimum" and "Recurrence interval")

Shelves, as used in this report, are streambank features extending nearly horizontally from the flood plain to the lower limit of persistent woody vegetation.

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.

Soil heat flux (often used interchangeably with soil heat-flux density) is the amount of heat energy that moves by conduction across a specified cross-sectional area of soil per unit time and goes to heating (or cooling) the soil. Usually expressed in watts per square meter.

Soil-water content is the water lost from the soil upon drying to constant mass at 105°C; expressed either as mass of water per unit mass of dry soil or as the volume of water per unit bulk volume of soil.

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 75percent 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) 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 water, to evaluate mixing of different water, 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 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 the percentage covered by fine sediment:

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

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 foot) of the bed material that 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 defined operationally 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 95percent) 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 mate-rial collected on the filter or, more commonly, by difference, on the basis of 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 foot 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/d) 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^3/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, on the basis of 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 hydro-logic 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 (Species) richness is the number of species (taxa) present in a defined area or sampling unit.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial 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:	*Hexagenia*
Species:	*Hexagenia limbata*

Thalweg is the line formed by connecting points of minimum streambed elevation (deepest part of the channel).

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 bedload 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 methodology 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 warmblooded 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 48hours 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 milliliters 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 may produce different analytical results.

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 "Bedload," "Bedload discharge," "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

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")

Transect, as used in this report, is a line across a stream perpendicular to the flow and along which measurements are taken, so that morphological and flow characteristics along the line are described from bank to bank. Unlike a cross section, no attempt is made to determine known elevation points along the line.

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

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 U.S. 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.

Ultraviolet (UV) absorbance (absorption) at 254 or 280nanometers 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.

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmospheric pressure. (See "Water-table aquifer")

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.

Water table is that surface in a ground-water body at which the water pressure is equal to the atmospheric pressure.

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

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12months. Thus, the year ending September 30, 2002, is called the "2002 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 often are 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")

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

The USGS publishes a series of manuals titled the "Techniques of Water-Resources Investigations" that describe procedures for planning and conducting specialized work in water-resources investigations. The material in these manuals 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. Each chapter then is limited to a narrow field of the section subject matter. This publication format permits flexibility when revision or printing is required.

Manuals in the Techniques of Water-Resources Investigations series, which are listed below, are available online at http://water.usgs.gov/pubs/twri/. Printed copies are available for sale from the USGS, Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (an authorized agent of the Superintendent of Documents, Government Printing Office). Please telephone "1-888-ASK-USGS" for current prices, and refer to the title, book number, section number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations." Other products can be viewed online at http://www.usgs.gov/sales.html, or ordered by telephone or by FAX to (303)236-4693. Order forms for FAX requests are available online at http://mac.usgs.gov/isb/pubs/forms/. Prepayment by major credit card or by a check or money order payable to the "U.S. Geological Survey" is required.

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

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. 65p.

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.

3–A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS–TWRI book 3, chap. A5. 1967. 29 p.

3–A6. *General procedure for gaging streams,* by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 p.

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.: USGS–TWRI book 3, chap. A9. 1989. 27 p.

3–Al0. *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.

3–A19. *Levels at streamflow gaging stations,* by E.J. Kennedy: USGS–TWRI book 3, chap. A19. 1990. 31 p.

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.

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.

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

4–A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS–TWRI book 4, chap. A1. 1968. 39p.

4–A2. *Frequency curves,* by H.C. Riggs: USGS–TWRI book 4, chap. A2. 1968. 15 p.

4–A3. *Statistical methods in water resources*, by D.R. Helsel and R.M. Hirsch: USGS–TWRI book 4, chap. A3. 1991. Available only online at http://water.usgs.gov/pubs/twri/twri4a3/. (Accessed August 30, 2002.)

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 book4, 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. Greeson, 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. 95p.

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. 181p.

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.

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.

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6–A7. *User's guide to SEAWAT: A computer program for simulation of three-dimensional variable-density ground-water flow*, by Weixing Guo and Christian D. Langevin: USGS–TWRI book 6, chap. A7. 2002. 77 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.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

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.

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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.

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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.

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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.

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Broward County

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Broward County

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63	261831080151301	G 2739	148
64	261643080055901	G 2752	143
65	260241080112701	G 2785	83
66	260012080100001	G 2807	70
67	261938080101001	G 2852	151
68	261641080064801	G 2866	142
69	261740080054101	G 2893	147
70	261858080054101	G 2894	149
71	261304080072501	G 2896	134
72	261030080083301	G 2897	121
73	260920080092201	G 2898	116
74	260804080092701	G 2899	113
75	260325080113901	G 2900	86
76	260737080103301	G 2901	109
77	260638080104801	G 2902	104
78	255843080090901	G 2903	59
79	260534080110801	G 2904	97
80	260101080091501	G 2906	77
81	260326080120301	G 2921	89
82	260657080122301	S 329	107

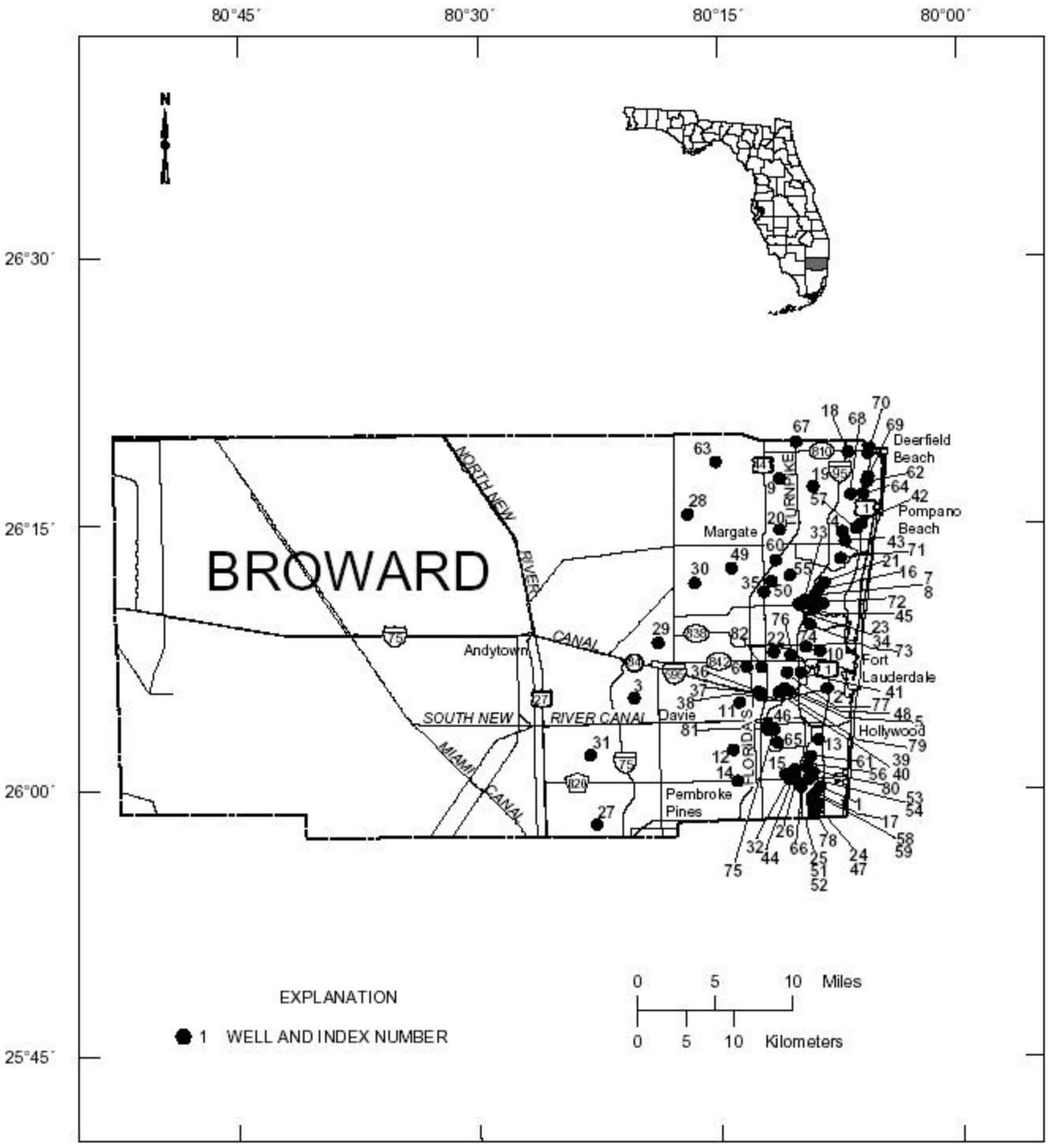


Figure 12: Location of wells on Broward County

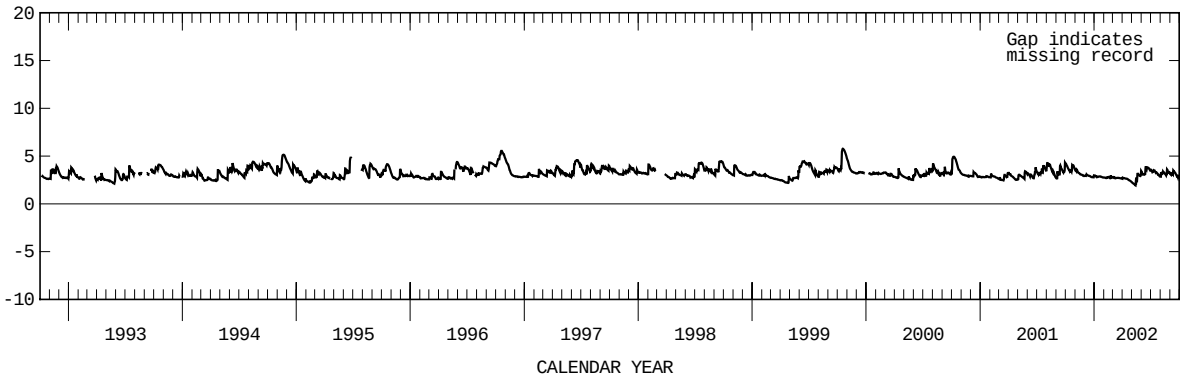
BROWARD COUNTY

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

LOCATION.--Lat 25°58'07", long 80°22'43", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.31, T.51 S., R.40 E., Hydrologic Unit 03090202, at radio towers west of SW 172nd Avenue, 3 mi south of State Road 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.99	3.61	2.92	2.92	2.73	2.79	2.71	2.16	3.12	3.39	3.10	3.18
10	3.66	3.28	3.00	2.84	2.77	2.68	2.66	2.04	3.10	3.53	3.34	3.07
15	3.50	3.17	2.93	2.86	2.80	2.72	2.64	2.28	3.93	3.36	3.18	3.34
20	3.37	3.07	2.86	2.87	2.69	2.71	2.53	3.23	3.82	3.27	3.11	3.05
25	4.05	3.01	2.81	2.81	2.78	2.68	2.43	2.98	3.70	3.05	3.34	2.88
EOM	3.58	2.92	2.98	2.75	2.75	2.63	2.30	3.45	3.41	2.85	3.22	2.74
MAX	4.24	3.61	3.09	2.97	2.99	2.81	2.74	3.45	3.93	3.65	3.61	3.50



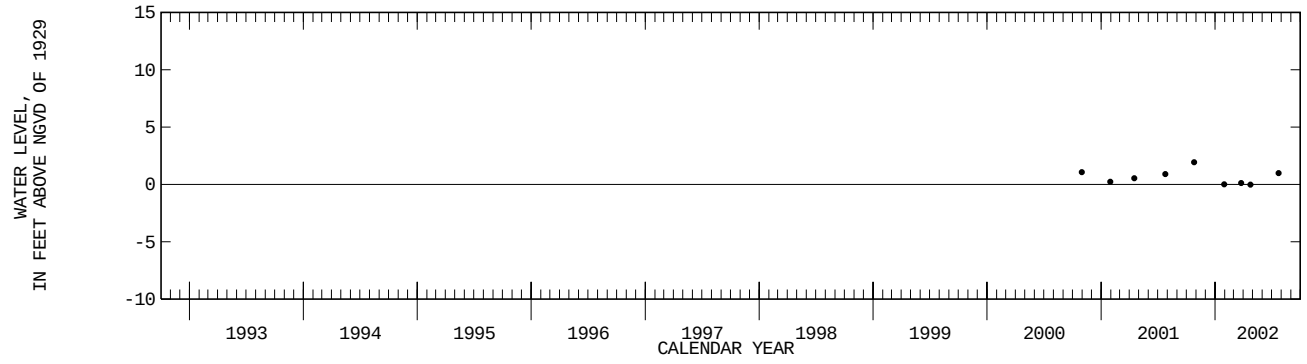
BROWARD COUNTY--Continued

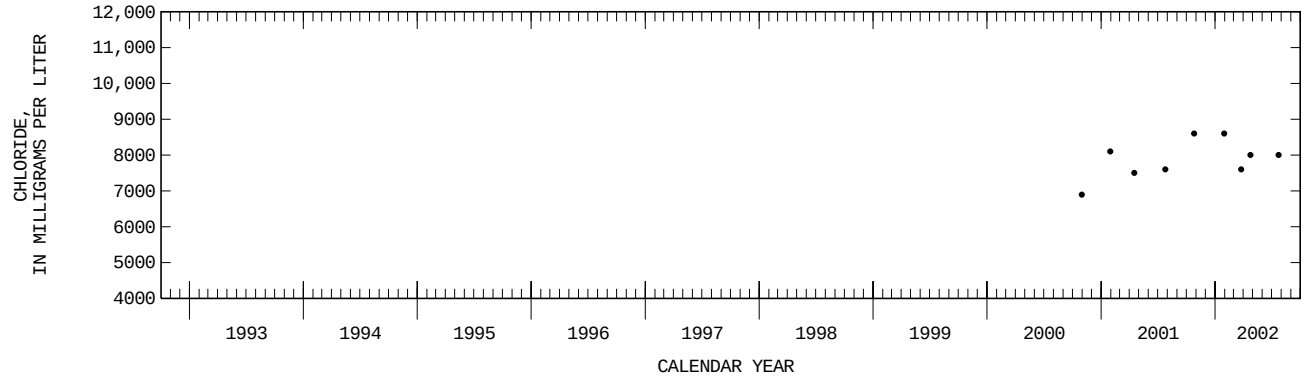
WELL NUMBER.--255843080090901. Local Number G 2903. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°58'44", long 80°09'09", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 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. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 1.93 ft NGVD, Oct. 25, 2001; lowest, 0.03 ft below NGVD, Apr. 24, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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...	1108	21600	8600	1.93	24...	0810	22400	8000	-.03
JAN					JUL				
29...	1000	22400	8600	.02	23...	0824	23100	8000	.98
MAR									
25...	0940	21000	7600	.11					

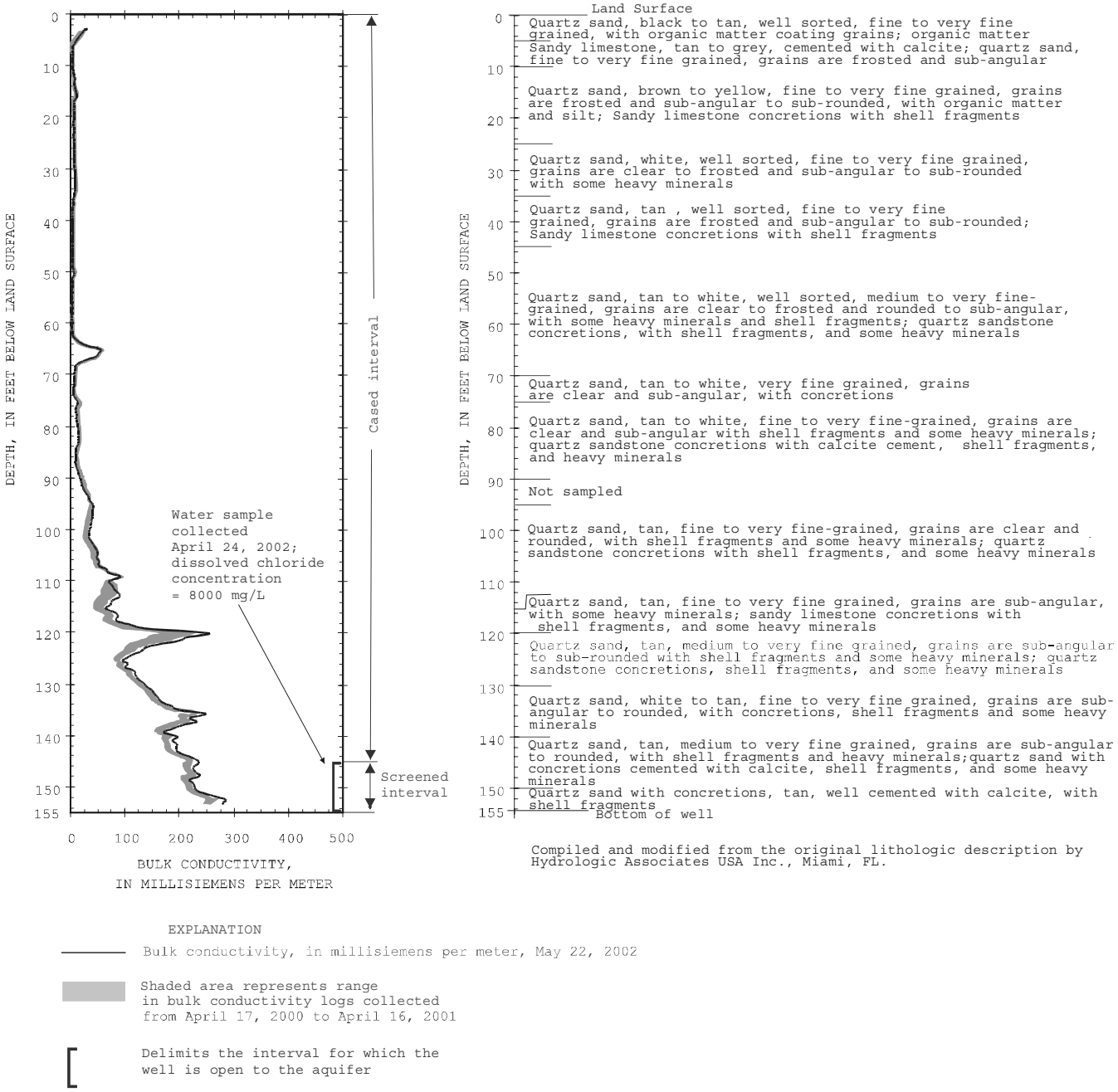




BROWARD COUNTY--Continued

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

255843080090901 G-2903



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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 22, 2002

Shaded area represents range in bulk conductivity logs collected from April 17, 2000 to April 16, 2001

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

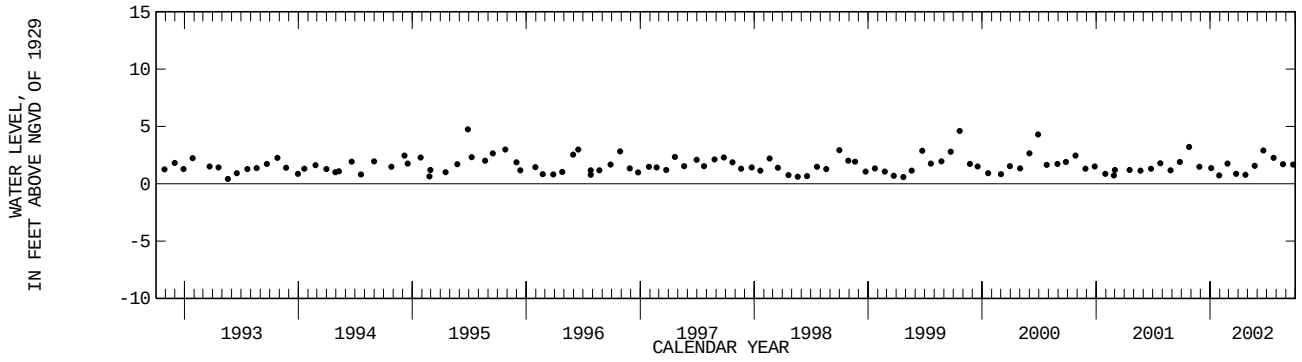
BROWARD COUNTY--Continued

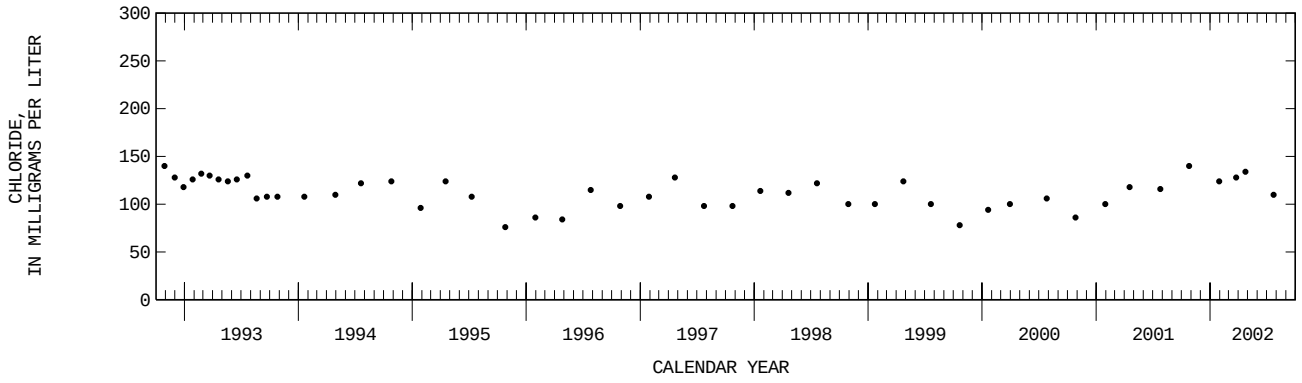
WELL NUMBER.--255910080085802. Local Number G 2294. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'11", long 80°08'59", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
25...	1227	705	140	3.20
NOV				
27...	1006	--	--	1.48
JAN				
04...	1204	--	--	1.36
29...	1117	727	124	.72
FEB				
25...	1110	--	--	1.75
MAR				
25...	1150	650	128	.88
APR				
24...	1106	760	134	.77
MAY				
23...	0935	--	--	1.56
JUN				
20...	0913	--	--	2.91
JUL				
23...	1004	703	110	2.26
AUG				
22...	0934	--	--	1.71
SEP				
23...	0853	--	--	1.68





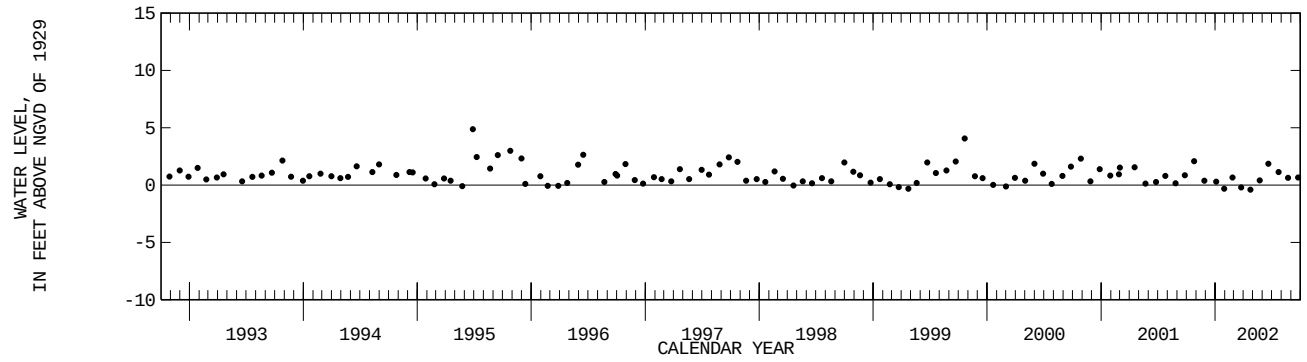
BROWARD COUNTY--Continued

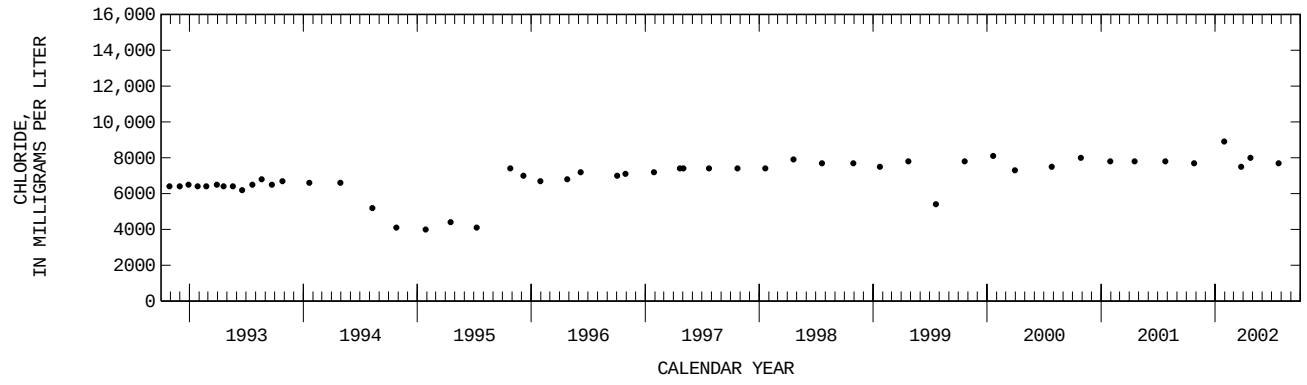
WELL NUMBER.--255916080090401. Local Number G 1435. USGS Observation Well near Hallandale, FL.

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 since 1969 for salinity monitoring. 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 U.S. 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, 0.40 ft below NGVD, Apr. 24, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
25...	1209	22100	7700	2.09
NOV				
27...	1003	--	--	.37
JAN				
04...	1148	--	--	.29
29...	1053	22200	8900	-.32
FEB				
25...	1057	--	--	.65
MAR				
25...	1130	20600	7500	-.19
APR				
24...	1043	22100	8000	-.40
MAY				
23...	0912	--	--	.41
JUN				
20...	0900	--	--	1.86
JUL				
23...	0945	22300	7700	1.14
AUG				
22...	0925	--	--	.64
SEP				
23...	0841	--	--	.66





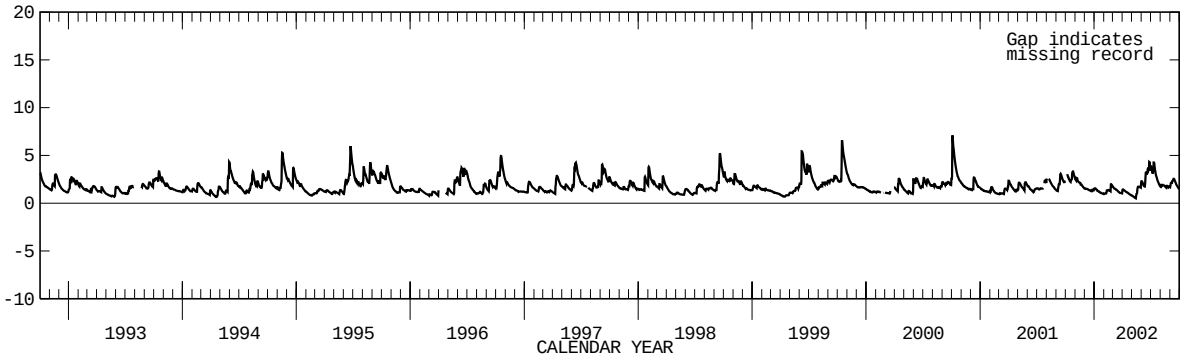
BROWARD COUNTY--Continued

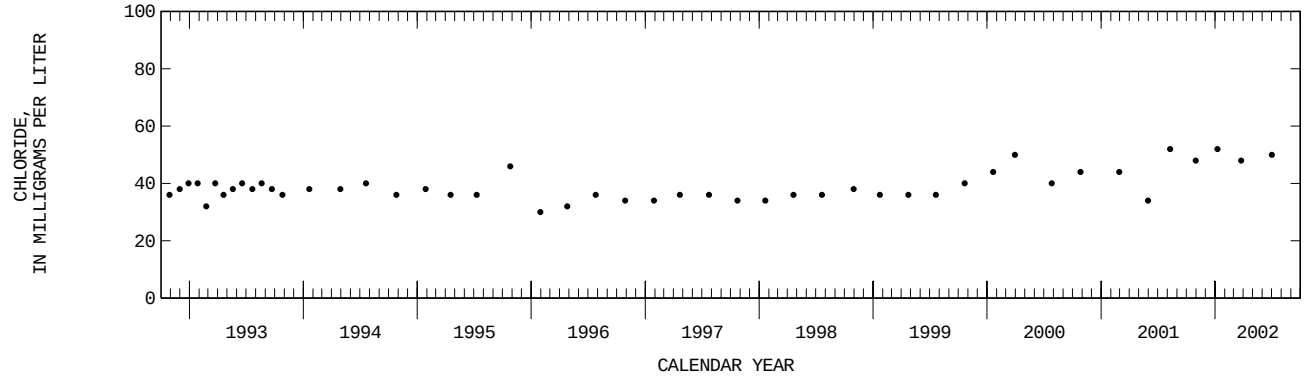
WELL NUMBER.--255918080091801. Local Number G 1473. USGS Observation Well in Hallandale, FL.

LOCATION.--Lat 25°59'18", long 80°09'18", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Geological Survey. Records of water levels prior to October 1973 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.65	1.49	1.51	1.01	1.58	1.40	0.72	2.12	3.40	1.83	2.15
10	2.71	2.29	1.47	1.37	1.34	1.47	1.26	0.59	1.78	4.26	1.86	2.37
15	2.30	2.15	1.37	1.23	1.34	1.35	1.14	0.75	3.21	3.41	1.79	2.45
20	2.46	1.93	1.31	1.12	1.30	1.18	1.04	1.65	3.19	2.69	1.75	2.01
25	3.32	1.75	1.29	1.04	1.95	1.07	0.92	1.70	3.59	2.19	1.69	1.72
EOM	2.61	1.55	1.52	0.96	1.81	1.03	0.82	2.19	3.43	1.77	1.72	1.49
MAX	---	2.65	1.55	1.55	1.99	1.73	1.43	2.19	4.32	4.26	1.92	2.55





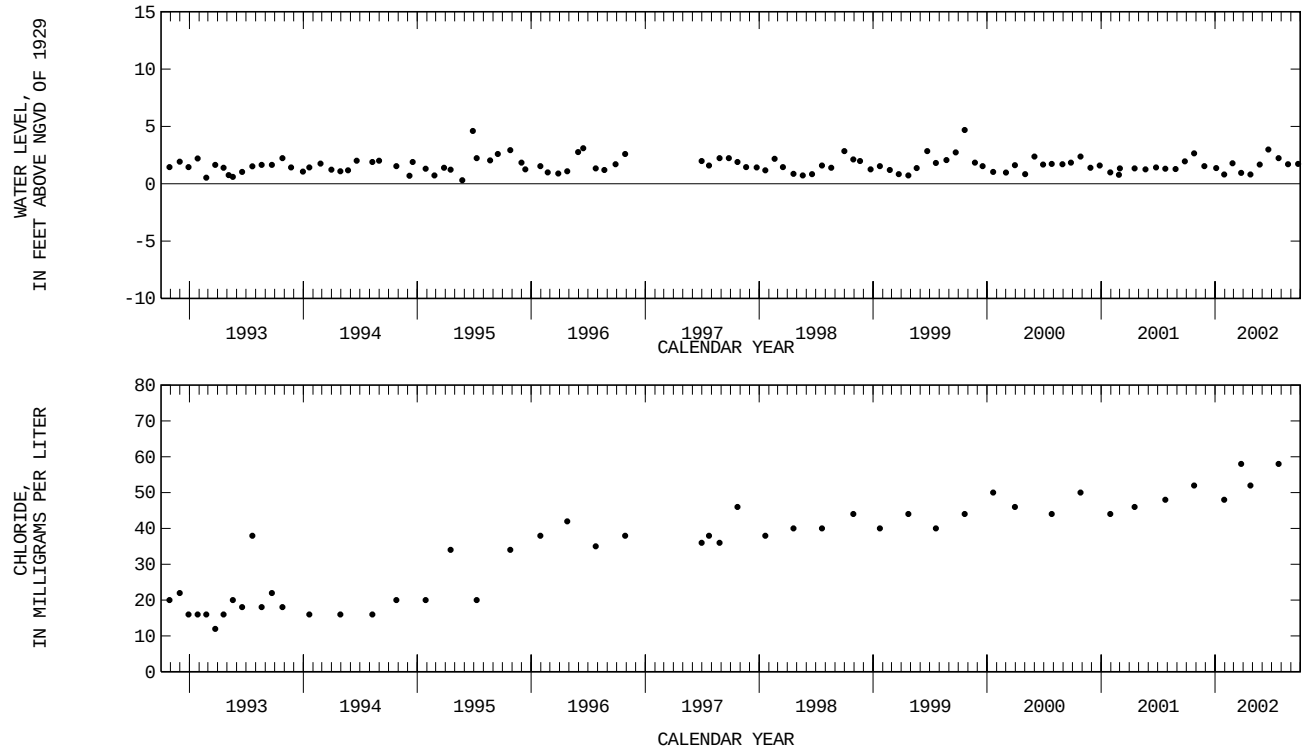
BROWARD COUNTY--Continued

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

LOCATION.--Lat 25°59'19", long 80°09'12", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
25...	1128	544	52.0	2.65
NOV				
27...	0936	--	--	1.53
JAN				
04...	1139	--	--	1.38
29...	1038	568	48.0	.80
FEB				
25...	1032	--	--	1.79
MAR				
25...	1105	537	58.0	.96
APR				
24...	0950	568	52.0	.82
MAY				
23...	0818	--	--	1.67
JUN				
20...	0831	--	--	3.00
JUL				
23...	0916	580	58.0	2.22
AUG				
22...	0847	--	--	1.71
SEP				
23...	0816	--	--	1.72



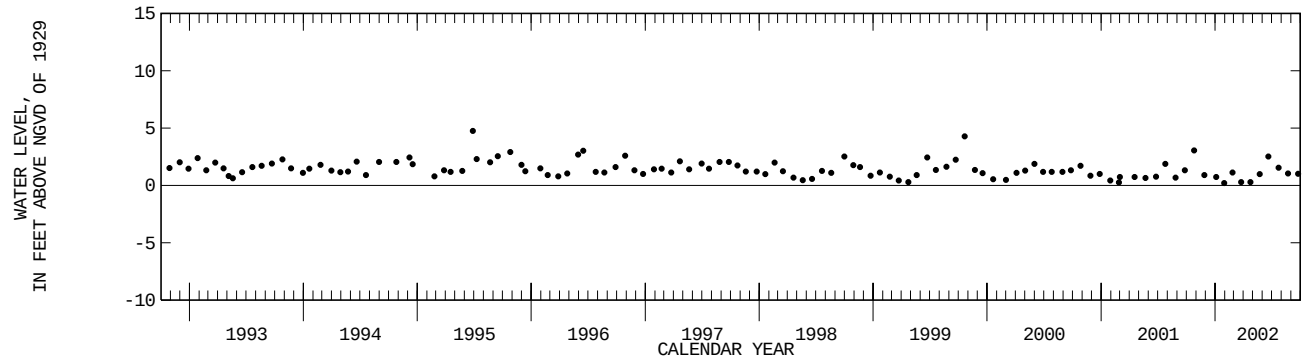
BROWARD COUNTY--Continued

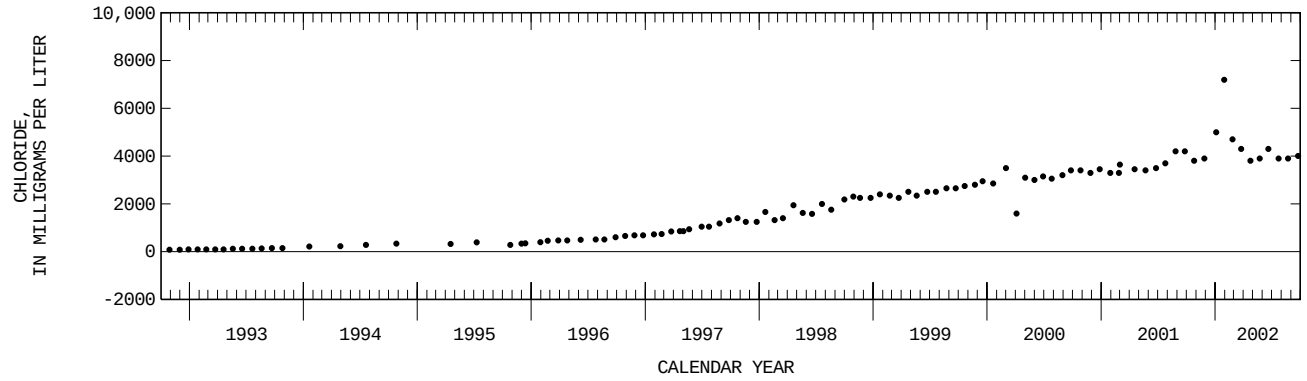
WELL NUMBER.--255919080091203. Local Number G 2410. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'19", long 80°09'13", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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, 0.21 ft NGVD, Jan. 29, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
25...	1129	9940	3800	3.04
NOV				
27...	0938	10900	3900	.90
JAN				
04...	1142	10000	5000	.75
29...	1028	10400	7200	.21
FEB				
25...	1029	11500	4700	1.14
MAR				
25...	1115	11200	4300	.29
APR				
24...	0953	10500	3800	.30
MAY				
23...	0825	10100	3900	.99
JUN				
20...	0833	10400	4300	2.51
JUL				
23...	0916	11100	3900	1.54
AUG				
22...	0855	11200	3900	1.03
SEP				
23...	0818	11200	4000	1.02





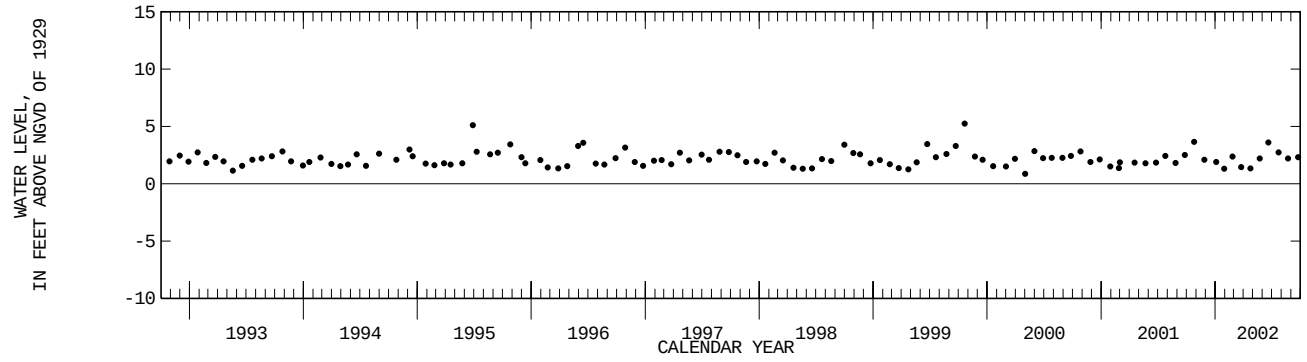
BROWARD COUNTY--Continued

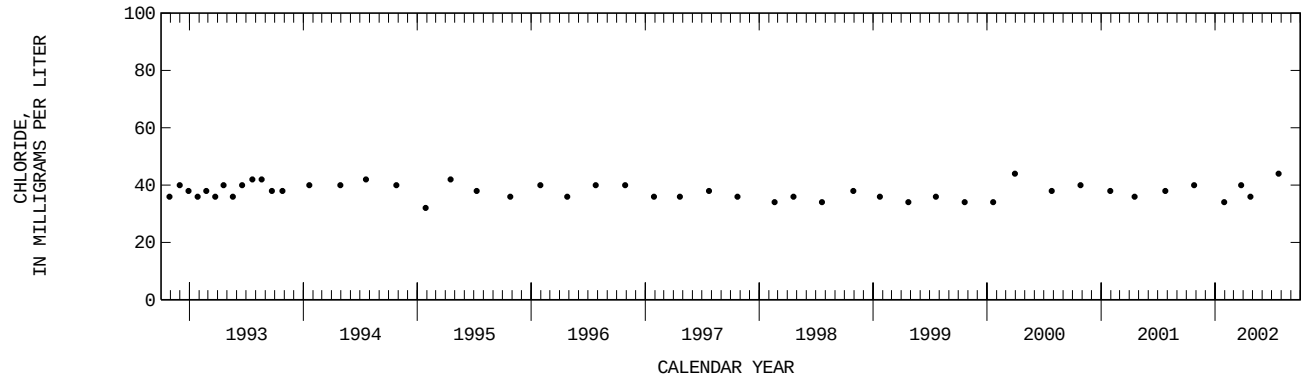
WELL NUMBER.--255936080091701. Local Number G 2477. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'36", long 80°09'19", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
25...	1253	503	40.0	3.67
NOV				
27...	1013	--	--	2.09
JAN				
04...	1211	--	--	1.90
29...	1135	518	34.0	1.30
FEB				
25...	1118	--	--	2.37
MAR				
25...	1209	486	40.0	1.45
APR				
24...	1126	516	36.0	1.33
MAY				
23...	0944	--	--	2.20
JUN				
20...	0933	--	--	3.61
JUL				
23...	1044	536	44.0	2.74
AUG				
22...	0947	--	--	2.20
SEP				
23...	0903	--	--	2.31





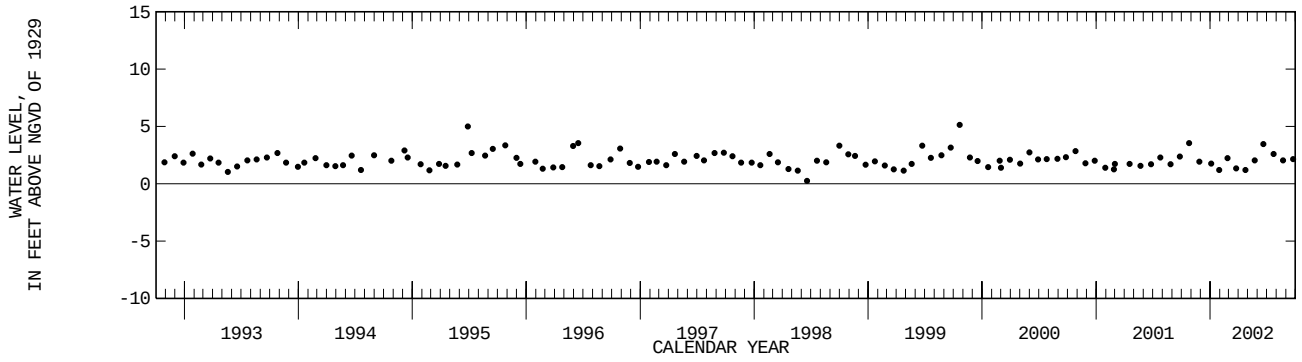
BROWARD COUNTY--Continued

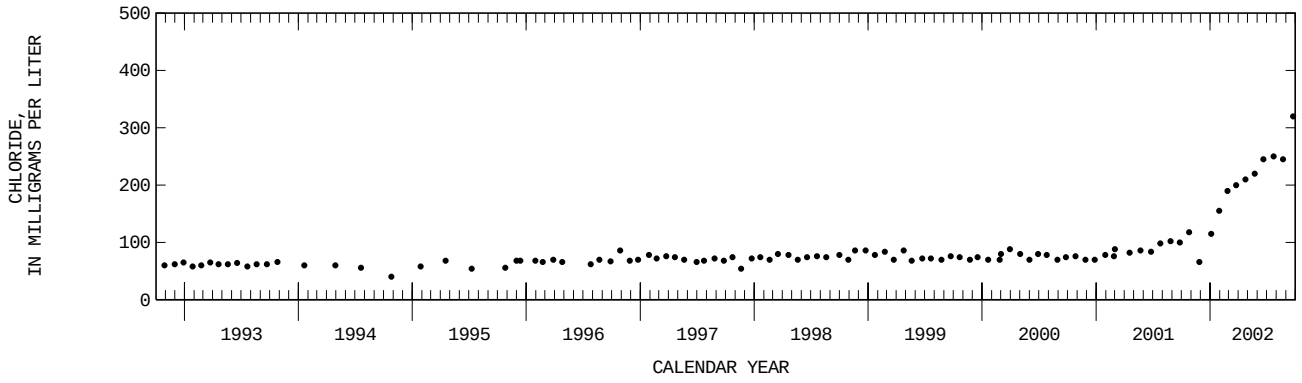
WELL NUMBER.--255936080091702. Local Number G 2478. USGS Observation Well near Hallandale, FL.

LOCATION.--Lat 25°59'36", long 80°09'19", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
25...	1301	793	118	3.54
NOV				
27...	1016	766	66.0	1.94
JAN				
04...	1215	873	115	1.75
29...	1140	912	155	1.20
FEB				
25...	1122	1040	190	2.22
MAR				
25...	1224	929	200	1.35
APR				
24...	1141	1030	210	1.19
MAY				
23...	0948	984	220	2.05
JUN				
20...	0944	996	245	3.46
JUL				
23...	1045	1100	250	2.60
AUG				
22...	0956	1190	245	2.04
SEP				
23...	0908	1350	320	2.14





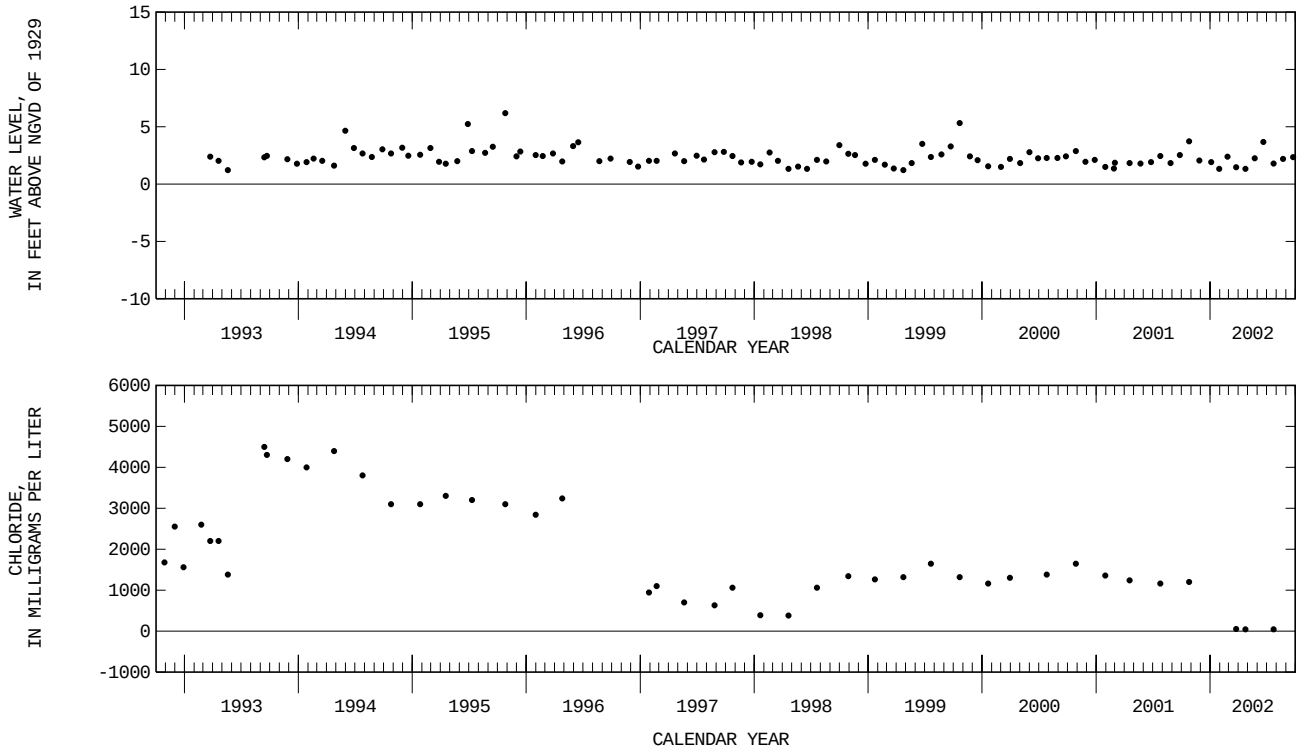
BROWARD COUNTY--Continued

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

LOCATION.--Lat 25°59'48", long 80°09'08", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
25...	1321	3500	1200	3.72
NOV				
27...	1039	--	--	2.07
JAN				
04...	1228	--	--	1.92
29...	1209	--	--	1.34
FEB				
25...	1142	--	--	2.39
MAR				
25...	0857	522	56.0	1.48
APR				
24...	1208	551	44.0	1.34
MAY				
23...	1020	--	--	2.26
JUN				
20...	1022	--	--	3.68
JUL				
23...	1132	554	48.0	1.79
AUG				
22...	1017	--	--	2.20
SEP				
23...	0935	--	--	2.35



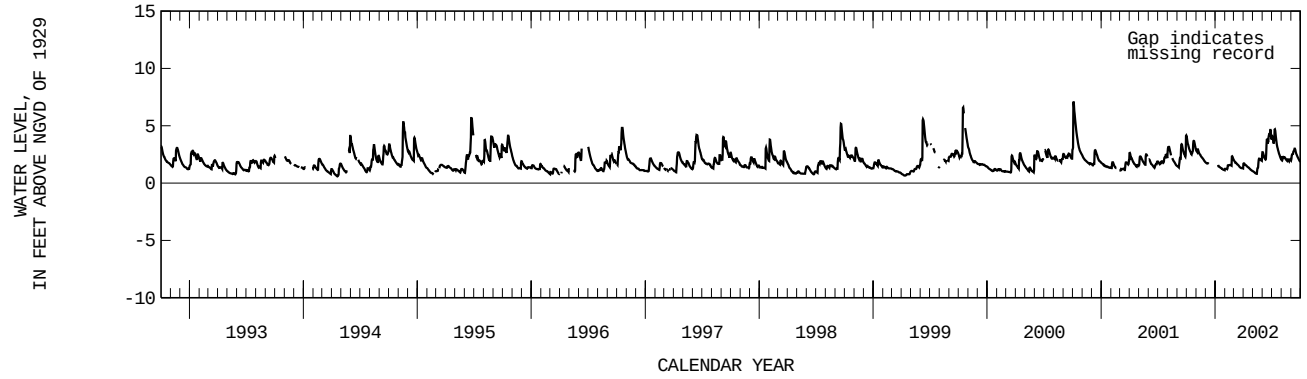
BROWARD COUNTY--Continued

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

LOCATION.--Lat 26°00'10", long 80°08'50", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.22, T.51 S., R.42 E., Hydrologic Unit 03090202, at South 20th Avenue and Dewey Street, 1.1 mi west of U.S. Highway 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.40	2.93	1.72	---	1.24	1.84	1.65	0.97	2.43	3.79	2.14	2.53
10	2.94	2.62	1.70	1.59	1.54	1.70	1.54	0.85	2.07	4.67	2.19	2.82
15	2.59	2.39	---	1.40	1.56	1.58	1.40	1.08	3.79	3.81	2.09	2.81
20	2.76	2.20	---	1.30	1.56	1.41	1.29	2.02	3.68	3.01	2.02	2.39
25	3.66	2.02	---	1.20	2.30	1.32	1.16	2.04	4.14	2.51	1.94	2.10
EOM	2.90	1.82	---	1.12	2.08	1.28	1.05	2.45	3.81	2.06	2.07	1.85
MAX	4.10	2.94	---	---	2.34	2.00	1.72	2.45	4.63	4.69	2.27	3.00



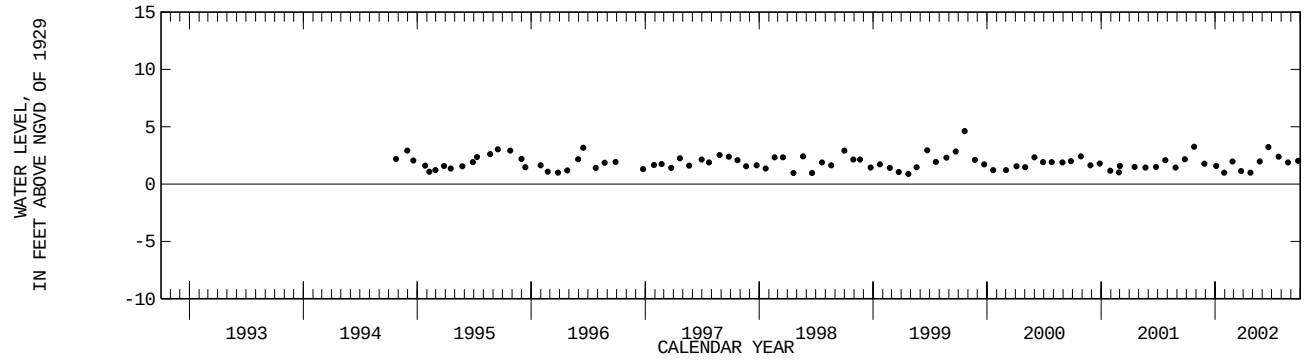
BROWARD COUNTY--Continued

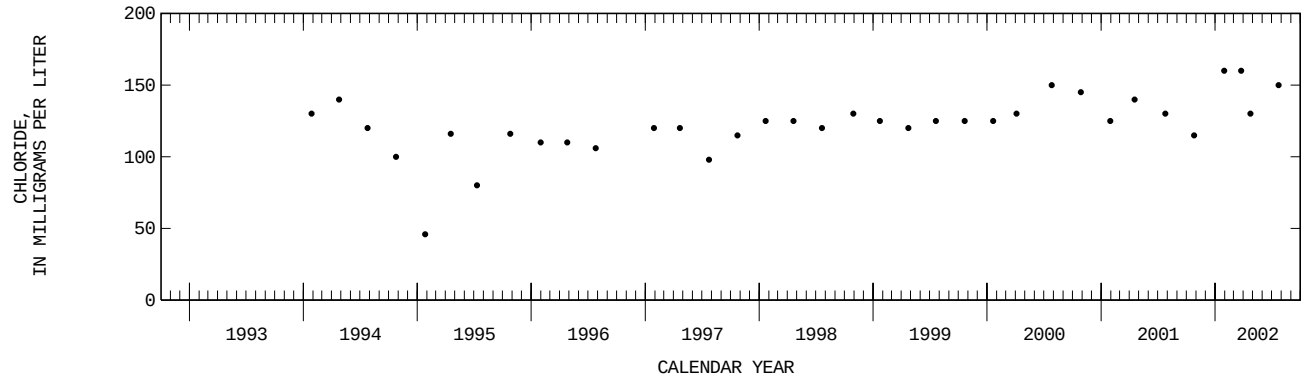
WELL NUMBER.--260012080100001. Local Number G 2807. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°00'12", long 80°10'00" in SW $^1/_4$ SW $^1/_4$ SW $^1/_4$ 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 2001 TO SEPTEMBER 2002

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					MAY				
25...	1346	871	115	3.25	23...	1032	--	--	1.98
NOV					JUN				
27...	1102	--	--	1.77	20...	1036	--	--	3.24
JAN					JUL				
04...	1236	--	--	1.57	23...	1200	881	150	2.39
29...	1233	845	160	1.00	AUG				
FEB					22...	1030	--	--	1.88
25...	1151	--	--	1.98	SEP				
MAR					23...	0949	--	--	2.03
25...	1302	816	160	1.15					
APR									
24...	1241	865	130	1.00					





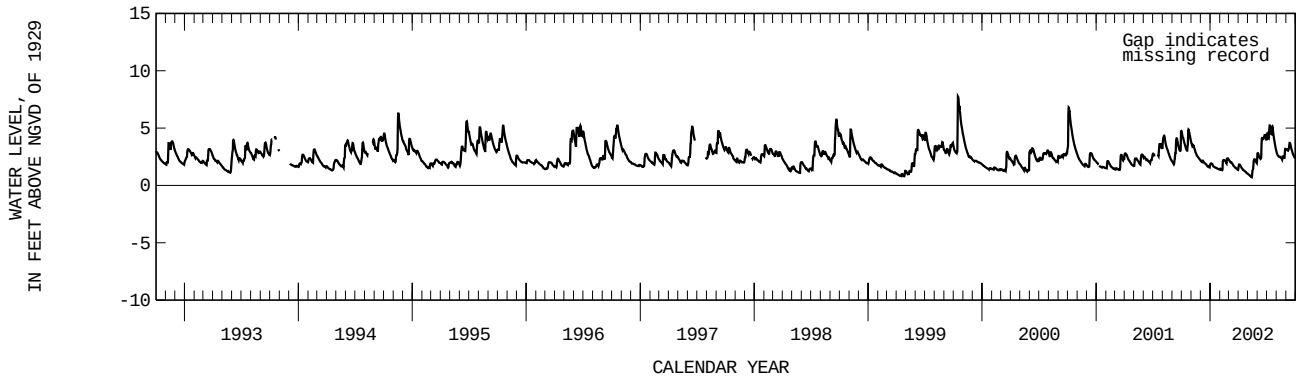
BROWARD COUNTY--Continued

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

LOCATION.--Lat 26°00'32", long 80°13'57", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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. Prior to October 1993, top of base was 3.67 ft above land-surface datum. Prior to January 1, 1982, land-surface datum was 8.03 ft above NGVD. Prior to May 28, 1981, measuring point was 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 U.S. Geological Survey. In 1983, G-1225 was re-drilled in a location close to the original site. The current well has the same station identifiers as the original and all data are stored as one set of elevations.
PERIOD OF RECORD.--January 1962 to December 1981, (original well), June 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.19	3.54	2.04	1.91	1.38	2.08	1.82	0.93	2.63	4.22	2.62	3.12
10	3.70	3.32	2.06	1.69	2.08	1.99	1.60	0.79	2.37	5.23	2.48	3.27
15	3.20	2.86	1.92	1.58	2.20	1.77	1.40	0.94	4.06	4.53	2.42	3.55
20	3.40	2.56	1.77	1.53	2.03	1.61	1.28	2.13	4.08	5.04	2.44	3.00
25	4.67	2.38	1.62	1.45	2.36	1.49	1.17	2.21	4.39	3.93	2.40	2.61
EOM	3.86	2.20	1.74	1.38	2.28	1.35	1.03	2.27	3.93	3.05	3.15	2.37
MAX	4.88	3.72	2.18	1.92	2.36	2.23	1.82	2.28	4.39	5.23	3.19	3.71



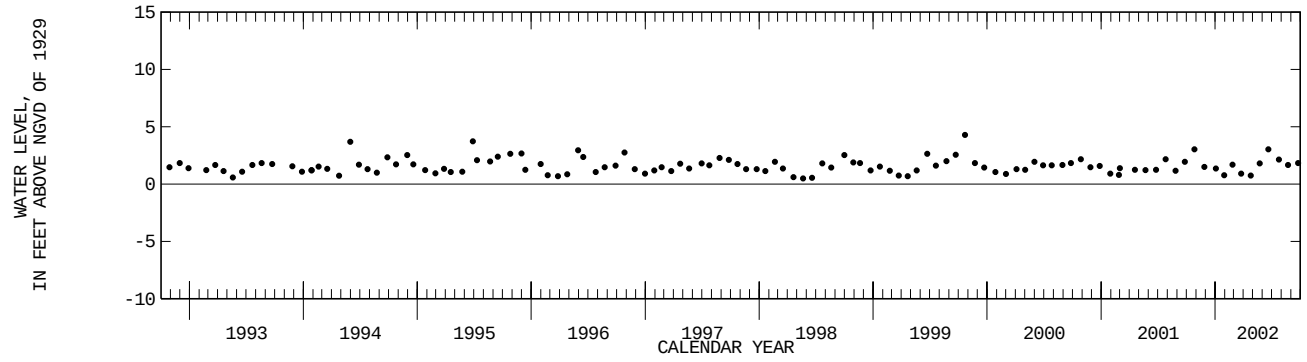
BROWARD COUNTY--Continued

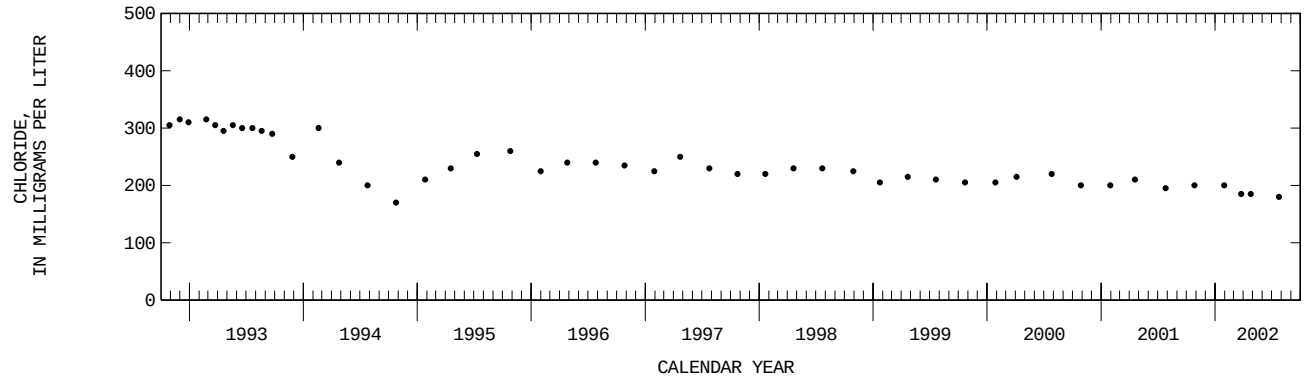
WELL NUMBER.--260035080101501. Local Number G 1597. USGS Observation Well near Hollywood, FL

LOCATION.--Lat 26°00'35", long 80°10'17", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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.
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
26...	0916	992	200	3.04
NOV				
27...	1124	--	--	1.51
JAN				
03...	1332	--	--	1.36
29...	1352	1010	200	.77
FEB				
25...	1241	--	--	1.69
MAR				
25...	1439	902	185	.90
APR				
25...	0809	1000	185	.74
MAY				
23...	1112	--	--	1.80
JUN				
20...	1114	--	--	3.04
JUL				
24...	0905	962	180	2.14
AUG				
22...	1119	--	--	1.67
SEP				
23...	1030	--	--	1.84





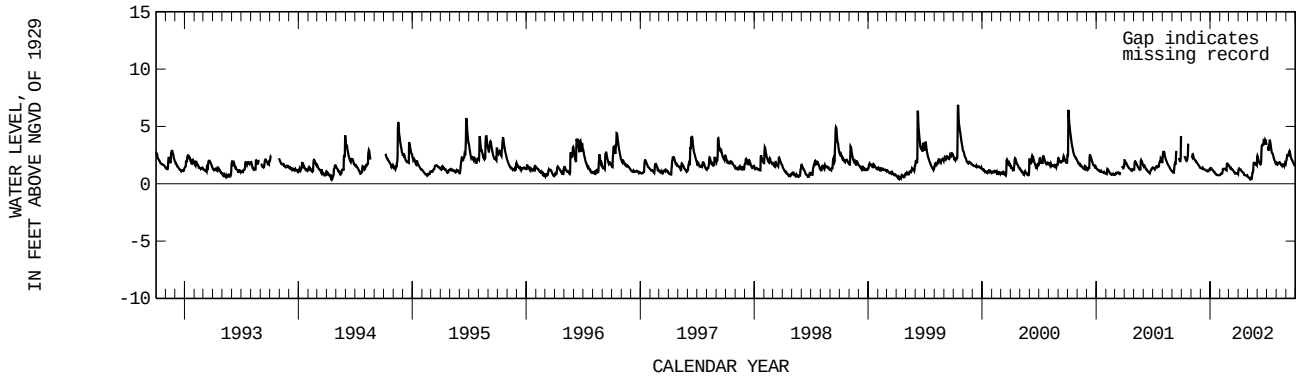
BROWARD COUNTY--Continued

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

LOCATION.--Lat 26°00'40", long 80°10'44", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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 U.S. Interstate 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, 2.86 ft above land-surface datum. Prior to April 10, 2002, the top of base was 3.08 ft above land-surface datum. Prior to October 1998, top of base was considered to be 3.10 ft above land-surface datum. See REMARKS.
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. Unpublished records of water levels for September 1999 are available in files of the U.S. Geological Survey. Station rebuilt April 10, 2002.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.56	1.32	1.29	0.89	1.41	1.26	0.51	1.98	3.13	1.72	2.45
10	2.42	2.20	1.28	1.13	1.27	1.28	1.14	0.45	1.72	3.77	1.79	2.70
15	2.08	1.95	1.24	0.97	1.29	1.15	1.00	0.74	3.33	3.07	1.69	2.44
20	2.37	1.80	1.12	0.84	1.21	0.95	0.77	1.82	3.38	2.61	1.60	2.06
25	---	1.60	1.14	0.74	1.76	0.91	0.73	1.74	3.61	2.10	1.57	1.76
EOM	---	1.38	1.33	0.76	1.62	0.85	0.70	2.33	3.38	1.69	1.79	1.50
MAX	---	---	1.43	1.38	1.76	1.62	1.33	2.33	3.84	---	1.88	2.85



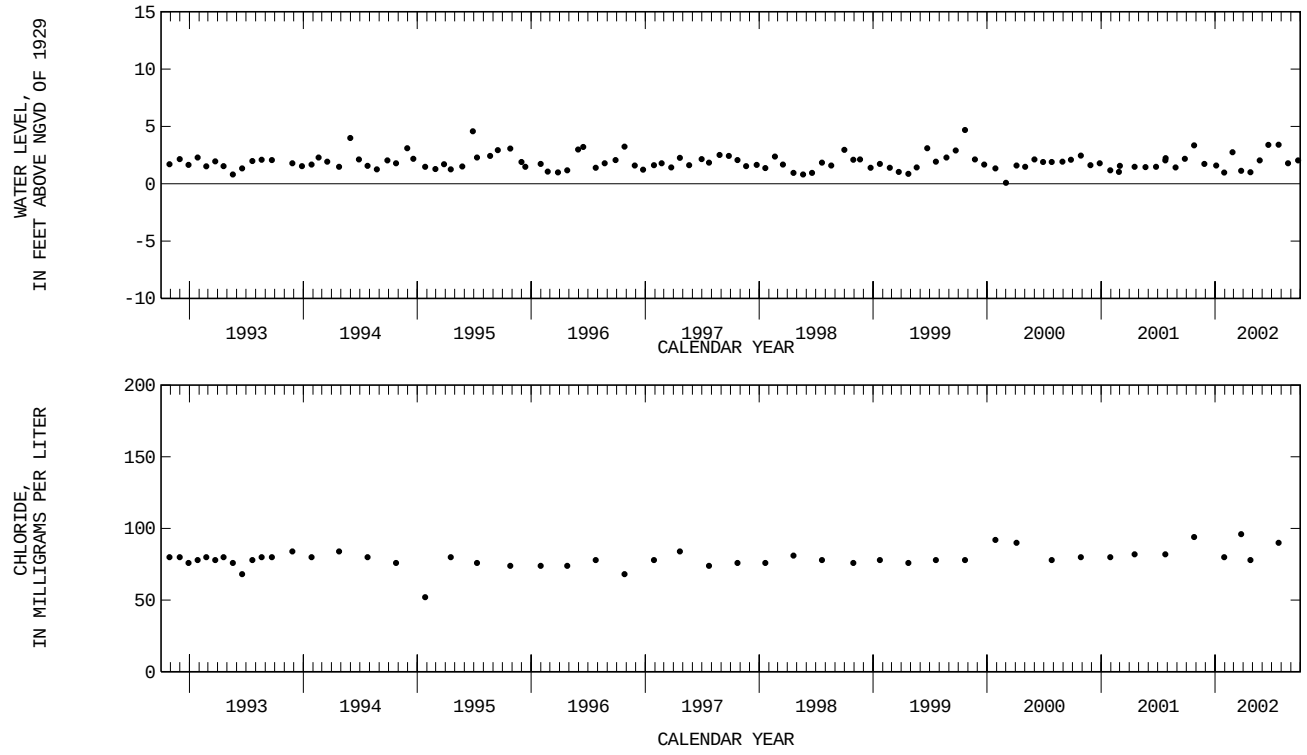
BROWARD COUNTY--Continued

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

LOCATION.--Lat 26°00'40", long 80°09'32", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
25...	1410	700	94.0	3.36
NOV				
27...	1109	--	--	1.73
JAN				
04...	1244	--	--	1.58
29...	1249	710	80.0	.97
FEB				
25...	1200	--	--	2.75
MAR				
25...	1325	656	96.0	1.13
APR				
24...	1310	705	78.0	1.00
MAY				
23...	1048	--	--	2.03
JUN				
20...	1050	--	--	3.39
JUL				
23...	1219	715	90.0	3.40
AUG				
22...	1051	--	--	1.78
SEP				
23...	1007	--	--	2.04



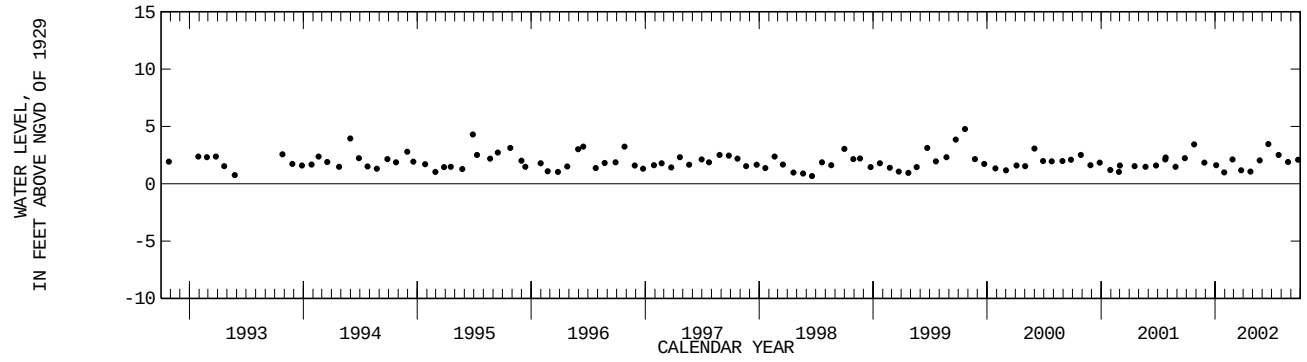
BROWARD COUNTY--Continued

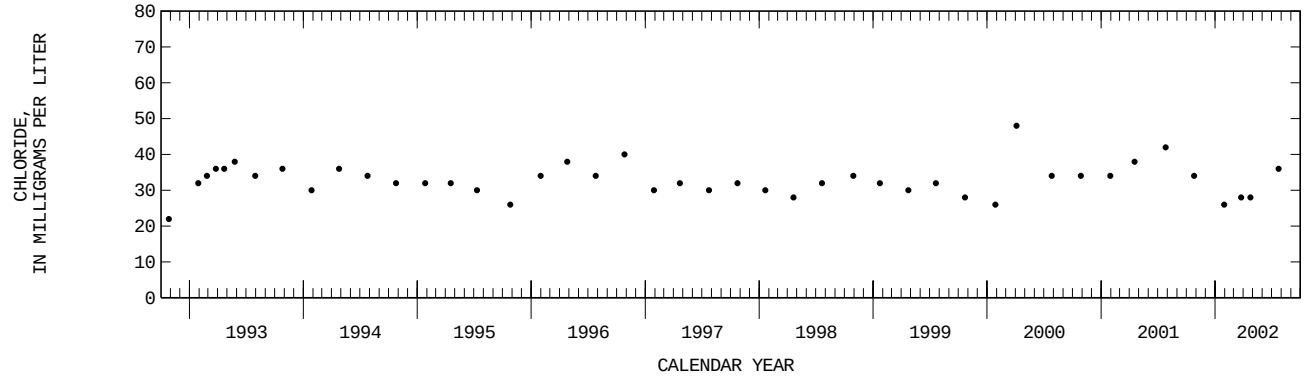
WELL NUMBER.--260041080093102. Local Number G 2426. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°00'40", long 80°09'32", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
25...	1414	477	34.0	3.44
NOV				
27...	1111	--	--	1.84
JAN				
04...	1247	--	--	1.63
29...	1300	494	26.0	.99
FEB				
25...	1203	--	--	2.11
MAR				
25...	1345	460	28.0	1.18
APR				
24...	1310	490	28.0	1.06
MAY				
23...	1045	--	--	2.04
JUN				
20...	1057	--	--	3.46
JUL				
23...	1223	476	36.0	2.50
AUG				
22...	1056	--	--	1.91
SEP				
23...	1012	--	--	2.09





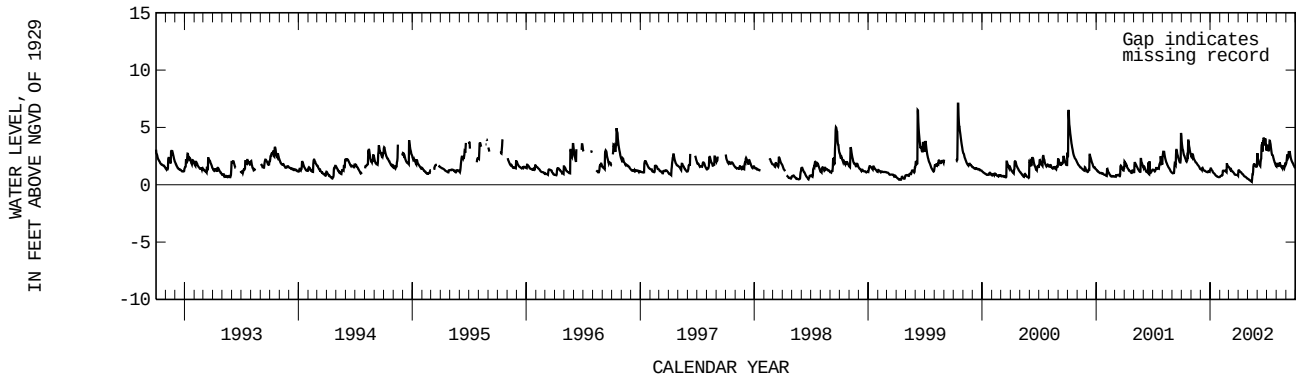
BROWARD COUNTY--Continued

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

LOCATION.--Lat 26°00'53", long 80°10'57", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. Highway 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.
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. 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, 0.28 ft NGVD, May 14, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.06	2.64	1.29	1.31	0.79	1.35	1.16	0.44	1.94	3.18	1.68	2.54
10	2.52	2.22	1.30	1.07	1.20	1.22	1.08	0.33	1.63	3.85	1.68	2.75
15	2.13	1.95	1.22	0.94	1.20	1.10	0.91	0.52	3.52	3.09	1.64	2.46
20	2.55	1.80	1.12	0.77	1.17	0.90	0.74	1.76	3.41	2.57	1.43	2.01
25	3.36	1.61	1.11	0.69	1.71	0.86	0.66	1.68	3.74	2.07	1.49	1.71
EOM	2.57	1.37	1.30	0.67	1.56	0.80	0.55	2.34	2.99	1.62	1.78	1.45
MAX	3.86	2.64	1.48	1.42	1.88	1.55	1.26	2.34	4.11	3.85	1.95	2.93



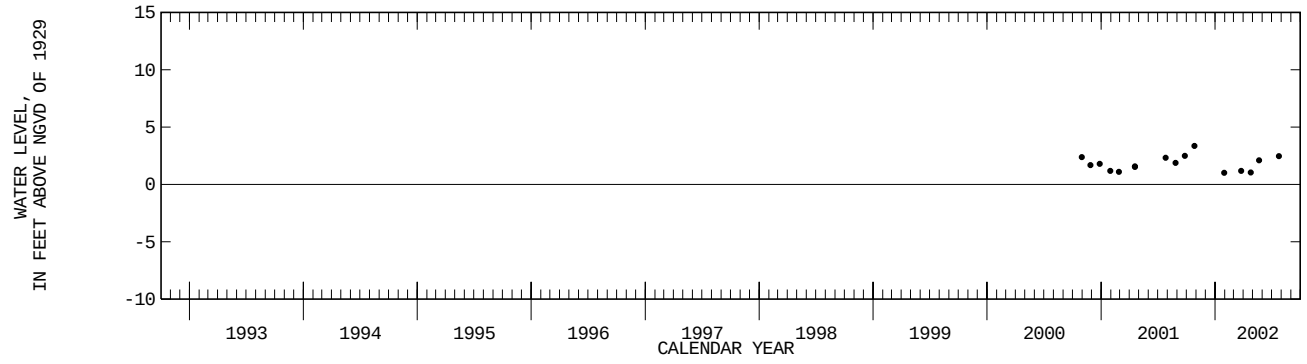
BROWARD COUNTY--Continued

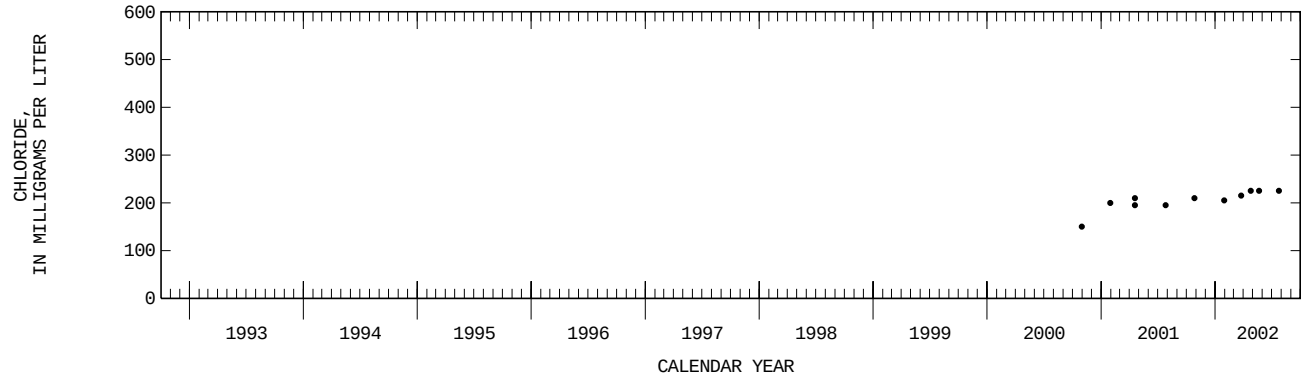
WELL NUMBER.--260101080091501. Local Number G 2906. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°01'01", long 80°09'15", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.16, 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. (Corrected).
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. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier.
PERIOD OF RECORD.--October 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.37 ft NGVD, Oct. 26, 2001; lowest, 1.02 ft NGVD, Jan. 29, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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...	1040	1010	210	3.37	25...	0908	1040	225	1.04
JAN					MAY				
29...	1449	1040	205	1.02	21...	1455	1090	225	2.11
MAR					JUL				
25...	1530	951	215	1.18	24...	1001	1050	225	2.47



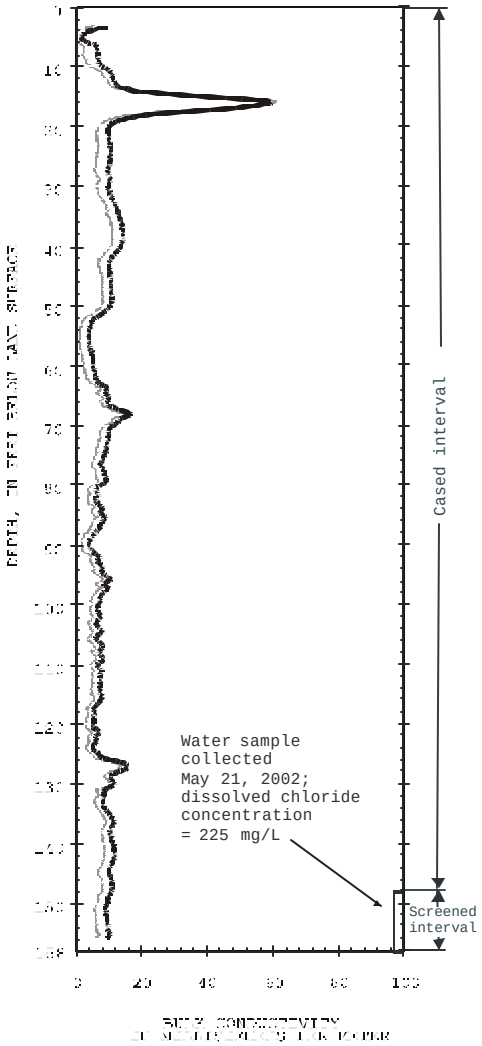


BROWARD COUNTY--Continued

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

260101080091501 G-2906

BULK CONDUCTIVITY



LITHOLOGIC LOG

Land Surface

Quartz sand, tan, medium to very fine grained, grains are sub-angular to rounded with heavy minerals; sandy limestone

Sandy limestone, white to yellow, calcite cement with shell fragments, sand is quartz, fine to very fine, rounded

Sandy limestone concretions, white, well cemented with calcite cement and shell fragments, sand is fine, well sorted, sub-rounded quartz

Quartz sand, white, very fine grained, grains are sub-rounded, with silt-sized carbonate grains and mollusk shell fragments

Quartz sand, tan, fine to very fine grained, grains are angular to sub-angular, with heavy minerals and shell fragments

Quartz sand, tan, very fine grained, grains are sub-angular to sub-rounded, with heavy minerals

Quartz sand, tan, very fine grained, grains are clear and sub-angular to sub-rounded

Quartz sand, tan, well sorted, very fine grained, grains are clear and sub-angular to sub-rounded, with traces of heavy minerals

Quartz sand, white, well sorted, fine to very fine grained, grains are frosted and sub-rounded, with traces of heavy minerals; limestone

Sandy limestone, white to grey, very well cemented with calcite cement, with shell fragments and heavy minerals

Limestone concretions, white to tan, cemented with calcite; sandstone with shell fragments; quartz sand with heavy minerals

Quartz sandstone concretions, tan, cemented with calcite cement, grains are frosted to clear, with, heavy minerals, and shell fragments; quartz sand with shell fragments and heavy minerals

Quartz sand, tan, medium to very fine grained, grains are rounded to sub-rounded, with heavy minerals; quartz sandstone concretions, heavy minerals, and shell fragments

Sandy limestone concretions, cemented with calcite, with heavy minerals

Sandy limestone concretions, cemented with calcite, with heavy minerals; sand with shell fragments and heavy minerals

Sandstone concretions, tan, cemented with calcite, fine grained, grains are clear and sub-angular to sub-rounded, with heavy minerals

Quartz sand, tan to white, fine to very fine grained, grains are clear and sub-angular to rounded, with heavy minerals and shell fragments; sandy limestone concretions with heavy minerals, and shell fragments

Quartz sand, tan to white, fine to very fine grained, grains are sub-angular to rounded with heavy minerals and shell fragments; quartz sand concretion and heavy minerals

Quartz sand, tan, well sorted, very fine grained, grains are clear and sub-angular, with heavy minerals; fossiliferous limestone

Fossiliferous limestone, white, cemented with calcite, with concretion structures; sand, tan, with heavy minerals

Sandy limestone concretions, white to tan, cemented with calcite, with heavy minerals

Sandy limestone, white to tan, calcite cement, with heavy minerals and shell fragments; sand with heavy minerals and shell fragments

Quartz sand, tan, medium to very fine grained, sand grains are clear and sub-angular to rounded, with heavy minerals and shell fragments

Sandy limestone, white to tan, calcite cement, with heavy minerals

Bottom of well

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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 21, 2002

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

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

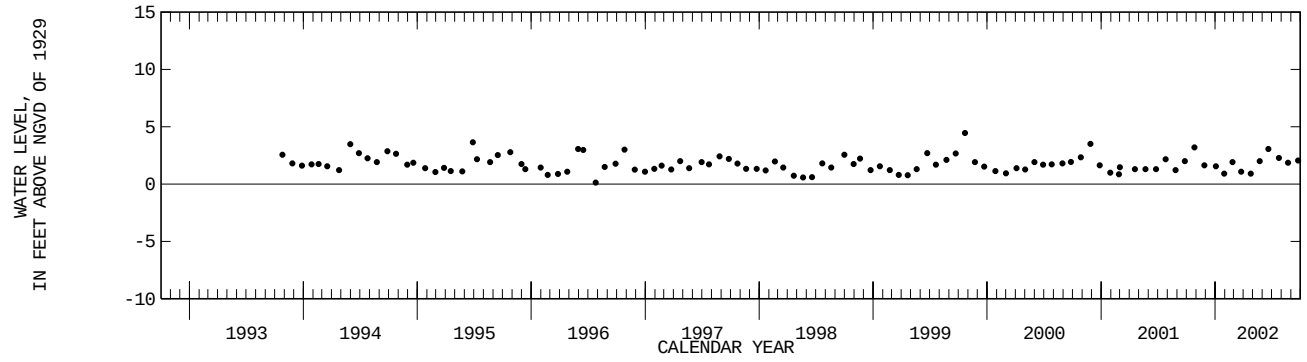
BROWARD COUNTY--Continued

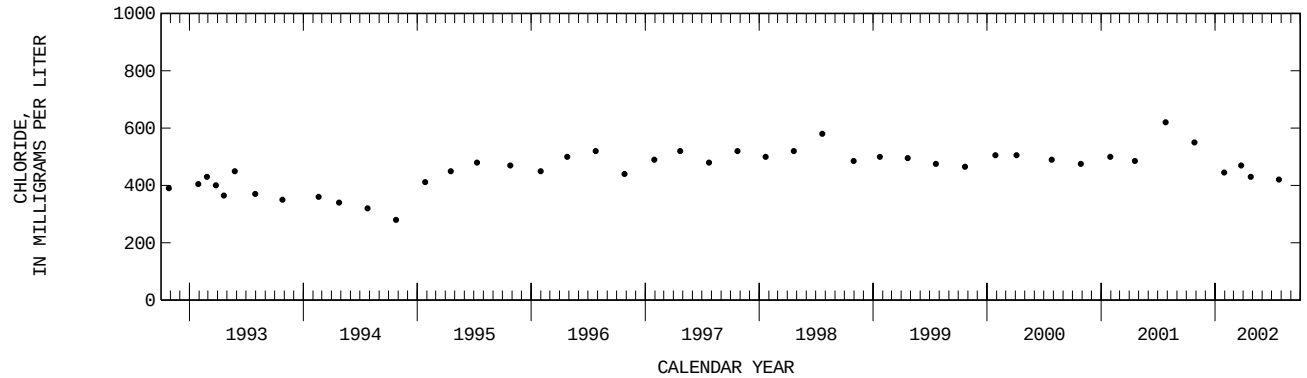
WELL NUMBER.--260111080101402. Local Number G 2176. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°01'11", long 80°10'20", in NE $^1/_4$ SE $^1/_4$ SE $^1/_4$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
26...	1006	1910	550	3.21	23...	1125	--	--	1.99
NOV					JUN				
27...	1131	--	--	1.65	20...	1152	--	--	3.06
JAN					JUL				
03...	1342	--	--	1.55	24...	0927	1640	420	2.27
29...	1414	1850	445	.91	AUG				
FEB					22...	1146	--	--	1.86
25...	1250	--	--	1.91	SEP				
MAR					23...	1038	--	--	2.05
25...	1502	1630	470	1.08					
APR									
25...	0831	1670	430	.91					





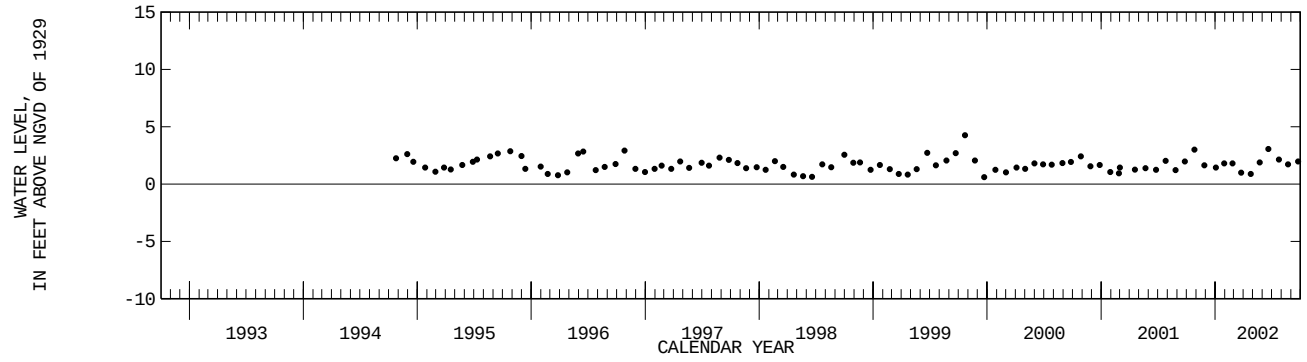
BROWARD COUNTY--Continued

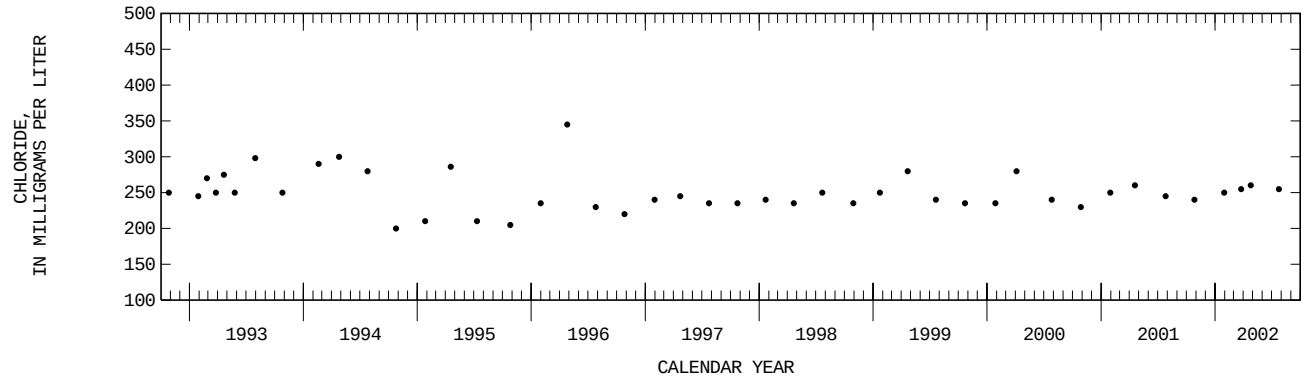
WELL NUMBER.--260120080093401. Local Number G 2441. USGS Observation Well near Hollywood, FL.

LOCATION.--Lat 26°01'19", long 80°09'35" in SE $^1/_4$ SE $^1/_4$ NW $^1/_4$ 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 2001 TO SEPTEMBER 2002

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					MAY				
26...	1108	1150	240	3.00	23...	1200	--	--	1.89
NOV					JUN				
27...	1143	--	--	1.64	20...	1220	--	--	3.06
JAN					JUL				
03...	1400	--	--	1.45	24...	1055	1180	255	2.14
29...	1509	1210	250	1.81	AUG				
FEB					22...	1202	--	--	1.73
25...	1259	--	--	1.81	SEP				
MAR					23...	1049	--	--	1.96
25...	0856	1120	255	.99					
APR									
25...	0928	1210	260	.89					





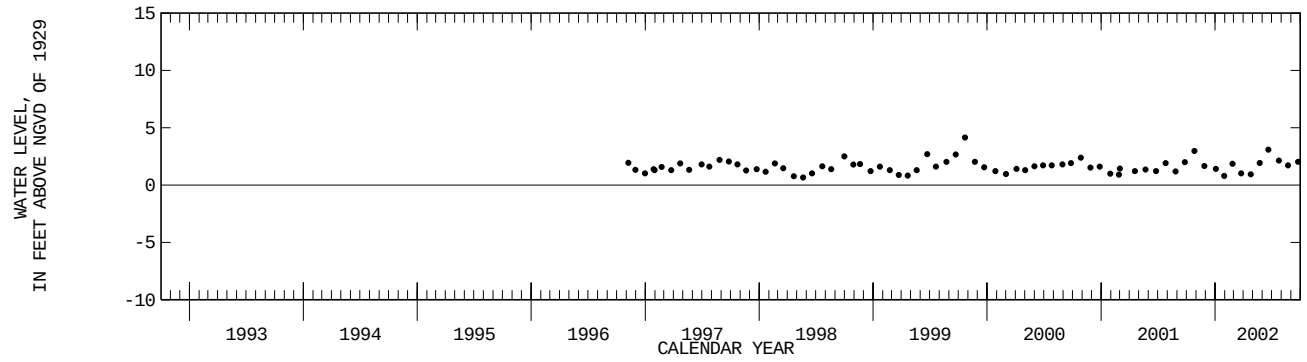
BROWARD COUNTY--Continued

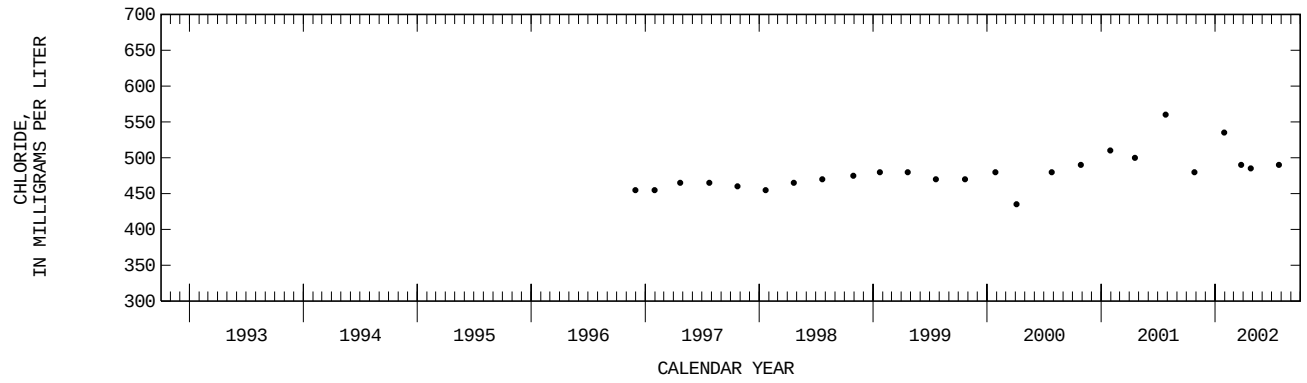
WELL NUMBER.--260155080092002. Local Number G 2612. USGS Observation Well in Hollywood, FL.

LOCATION.--Lat 26°01'54", long 80°09'21" in SE $^1/_4$ SE $^1/_4$ NW $^1/_4$ 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 a 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
26...	1140	1870	480	2.98
NOV				
27...	1151	--	--	1.66
JAN				
03...	1415	--	--	1.42
29...	1535	1940	535	.79
FEB				
25...	1305	--	--	1.85
MAR				
25...	1629	1800	490	1.02
APR				
25...	1000	1930	485	.95
MAY				
23...	1207	--	--	1.93
JUN				
20...	1240	--	--	3.08
JUL				
24...	1241	1910	490	2.15
AUG				
22...	1218	--	--	1.72
SEP				
23...	1100	--	--	2.02





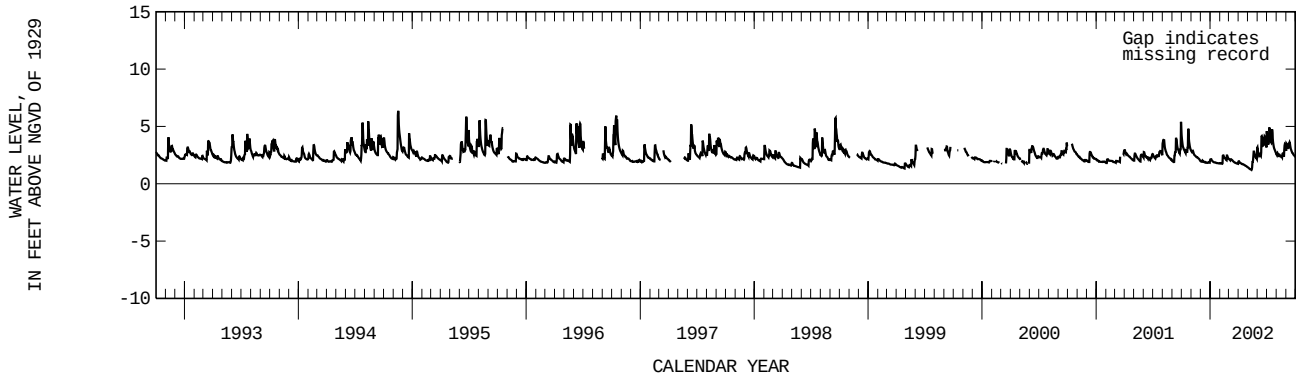
BROWARD COUNTY--Continued

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

LOCATION.--Lat 26°02'19", long 80°14'11", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 result 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 U.S. Geological Survey. Records of water levels prior to October 1973 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.25	2.87	1.94	2.08	1.77	2.07	1.86	1.35	2.51	3.54	2.62	3.15
10	2.91	2.55	1.96	1.92	2.44	2.09	1.76	1.26	2.56	4.68	2.55	3.31
15	2.93	2.41	1.86	1.86	2.29	1.97	1.70	1.44	4.16	3.62	2.38	3.16
20	3.15	2.32	1.83	1.82	2.11	1.86	1.64	2.80	3.35	3.95	2.59	2.73
25	3.67	2.19	1.84	1.80	2.38	1.79	1.55	2.40	4.10	3.05	2.36	2.52
EOM	2.92	1.99	2.03	1.77	2.20	1.74	1.45	3.13	3.17	2.64	3.00	2.37
MAX	4.80	2.88	2.03	2.14	2.47	2.17	1.96	3.13	4.16	4.91	3.47	3.62



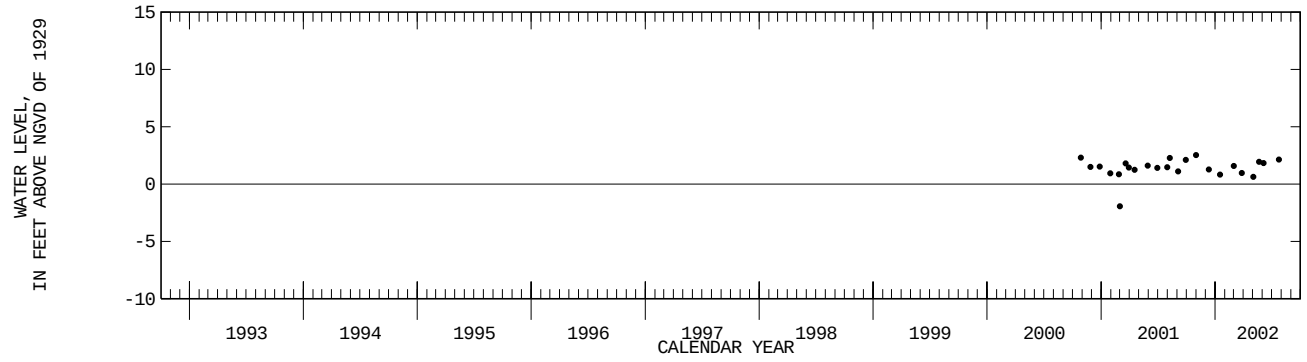
BROWARD COUNTY--Continued

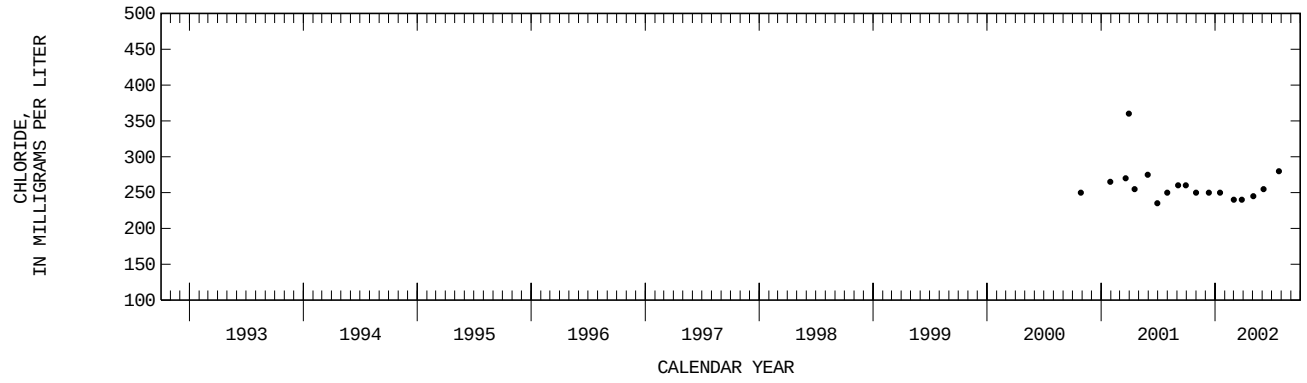
WELL NUMBER.--260241080112701 Local Number G 2785. USGS Observation Well near Dania, FL.

LOCATION.--Lat 26°02'41", long 80°11'27", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.6, T.51 S., R.42 E., Hydrologic Unit 03090202, 33 ft east of BellSouth 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 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 casing at land-surface datum. Between March 2, 2001 and June 5, 2002, measuring point was top of base, 3.71 ft above land-surface datum. See REMARKS.
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. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Quarterly water-level measurements began in October, 2000. Between March 2, 2001 and June 5, 2002 the station was temporarily reconstructed for continuous water-level and conductivity data collection. These data are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--April 2000 to February 2001 (monthly), March 2001 to June 2002 (daily), June 2002 to current year. See REMARKS.
EXTREMES FOR THE PERIOD OF RECORD.--Highest daily maximum water level, 3.97 ft NGVD, Sept. 29, 2001; lowest water level measured, 1.92 ft below NGVD, Mar. 1, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
31...	1358	1330	250	2.54	03...	0925	1220	245	.64
DEC					21...	1139	--	--	1.94
11...	1356	1310	250	1.28	JUN				
JAN					05...	0812	1190	255	1.84
16...	0800	1360	250	.82	JUL				
MAR					24...	1447	1330	280	2.13
01...	1100	1240	240	1.58					
27...	1232	1240	240	.96					

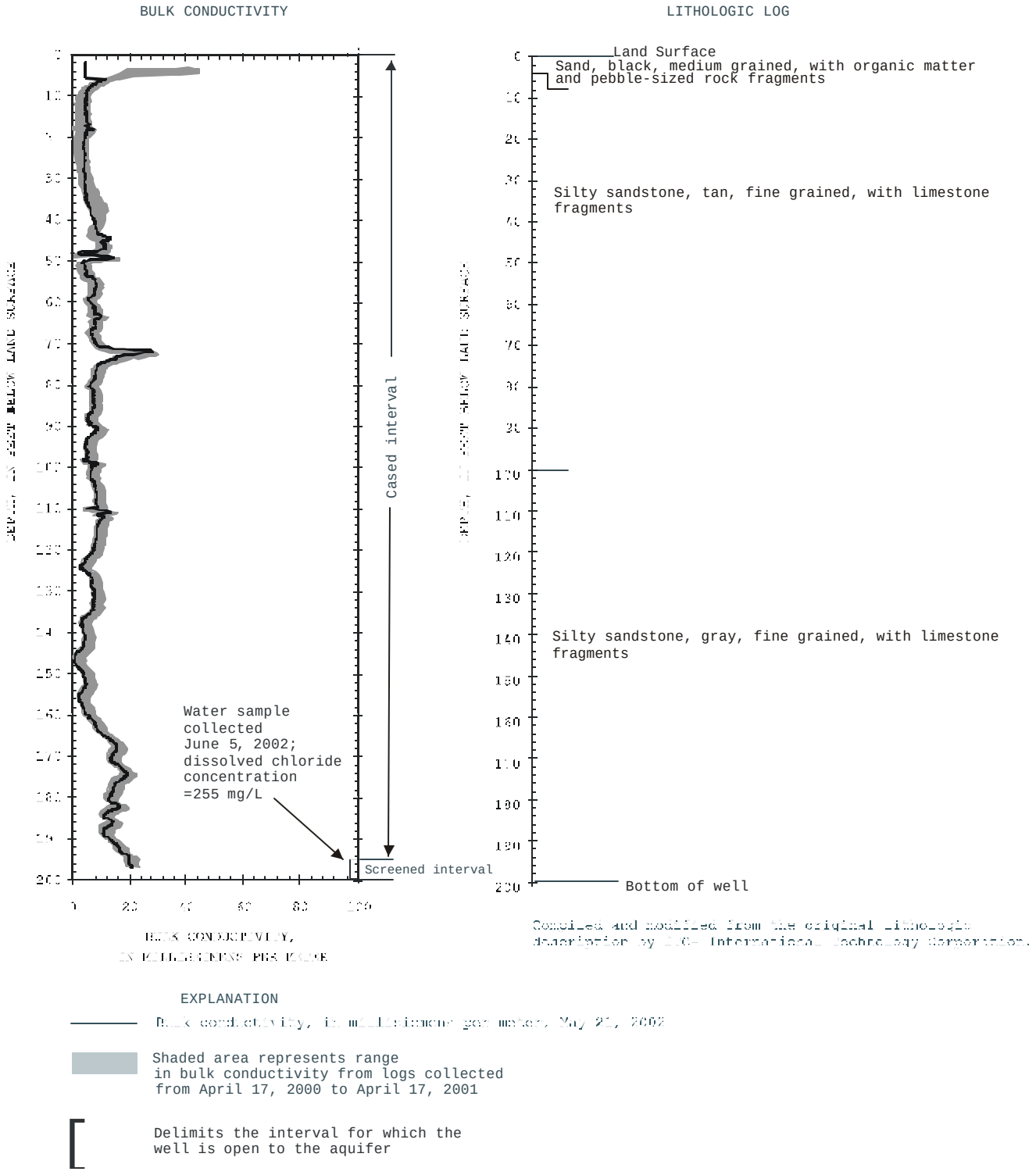




BROWARD COUNTY--Continued

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

260241080112701 G-2785



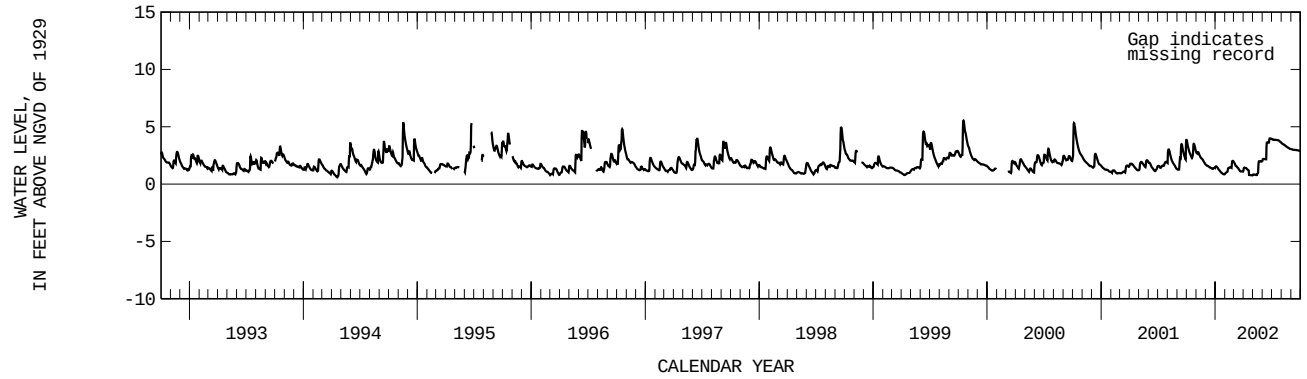
BROWARD COUNTY--Continued

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

LOCATION.--Lat 26°02'52", long 80°08'53", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.3, T.51 S., R.42 E., Hydrologic Unit 03090202, on SW 2nd Terrace east of Phippen Road, 100 ft west of Florida East Coast 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 from October 1973 to September 1980, are in the files of the U.S. Geological Survey. See DATUM. Records of water levels prior to October, 1973 are available in files of the U.S. Geological Survey. However, it is uncertain whether these records have been corrected.
PERIOD OF RECORD.--January 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.67 ft NGVD (current datum), Nov. 2, 1965; lowest, 0.12 ft below NGVD, Aug. 19, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.29	2.72	1.62	1.53	1.01	1.74	1.43	0.83	2.19	3.88	3.50	3.02
10	2.78	2.61	1.55	1.34	1.24	1.56	1.39	0.81	2.17	3.86	3.43	2.99
15	2.45	2.32	1.46	1.18	1.42	1.40	1.25	0.84	3.62	3.85	3.32	2.98
20	2.44	2.19	1.38	1.01	1.45	1.18	0.80	1.93	3.63	3.83	3.21	2.96
25	3.49	1.96	1.34	0.89	2.02	1.11	0.78	1.98	3.98	3.76	3.13	2.93
EOM	2.84	1.74	1.40	0.86	1.98	1.10	0.76	1.99	3.95	3.62	3.06	2.90
MAX	3.85	2.78	1.71	1.55	2.02	1.93	1.44	1.99	3.98	3.94	3.59	3.05



BROWARD COUNTY--Continued

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

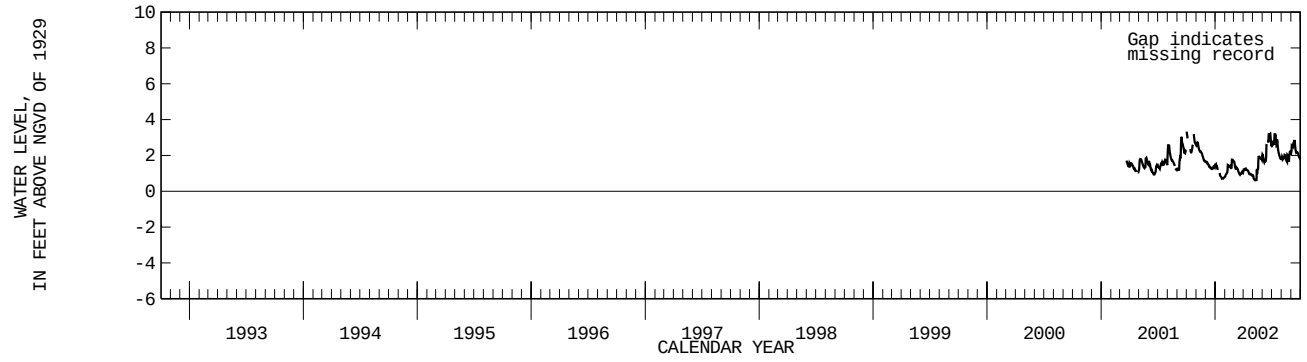
LOCATION.--Lat 26°03'25", long 80°11'39", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.31, T.50 S., R.42 E., Hydrologic Unit 03090202, 29 ft south of a storm drain on the east side of SW 35th Terrace, 0.45 mi south of Griffin Road.
AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 115 ft, cased to 105 ft, screened 105 to 115 ft.
INSTRUMENTATION.--Satellite data collection platform with pressure transducer and conductivity probe.
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. Prior to March 2001, measuring point was top of casing at land-surface datum. See REMARKS.
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. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Station was reconstructed in March 2001, for the collection of continuous water-level, temperature and conductivity data.
PERIOD OF RECORD.--October 2000 to March 2001 (quarterly), March 2001 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.33 ft NGVD, Oct. 1, 2001; lowest, 0.62 ft NGVD, May 8, 10, 11, 2002.

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	---	---	---	---	---	---	1.44	1.80	1.53	1.29	2.53	---
10	---	---	---	---	---	---	1.45	1.68	1.16	1.45	1.98	1.88
15	---	---	---	---	---	---	1.25	1.42	1.03	1.60	1.72	2.96
20	---	---	---	---	---	---	1.18	1.32	0.95	1.49	1.60	2.49
25	---	---	---	---	---	1.57	---	1.86	1.32	1.71	---	2.13
EOM	---	---	---	---	---	1.46	1.11	1.49	1.48	1.46	1.25	---
MAX	---	---	---	---	---	---	---	1.86	1.69	1.74	---	---

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.72	1.57	1.36	0.96	1.37	1.20	0.67	1.78	2.68	1.77	2.55
10	---	2.32	1.48	---	1.47	1.25	1.22	0.62	1.65	3.18	1.92	2.53
15	2.17	2.19	1.36	1.02	1.41	1.15	1.16	0.95	---	2.72	1.81	2.32
20	2.55	2.04	1.24	0.79	1.34	0.94	0.96	1.97	2.73	2.49	2.04	2.16
25	3.00	1.74	1.33	0.72	1.71	1.01	0.96	1.85	3.25	2.01	1.65	1.98
EOM	2.61	1.64	1.47	0.80	1.69	1.04	0.90	1.95	2.51	1.80	2.04	1.88
MAX	---	2.72	1.65	---	1.74	1.67	1.27	1.97	---	3.18	2.22	2.86



BROWARD COUNTY--Continued

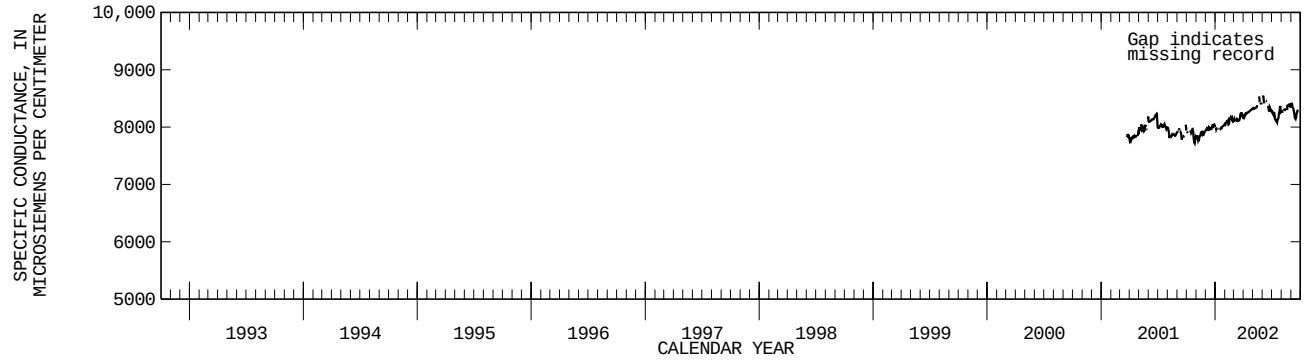
WELL NUMBER.--260325080113901. Local Number G 2900. USGS Observation Well near Fort Lauderdale, FL.

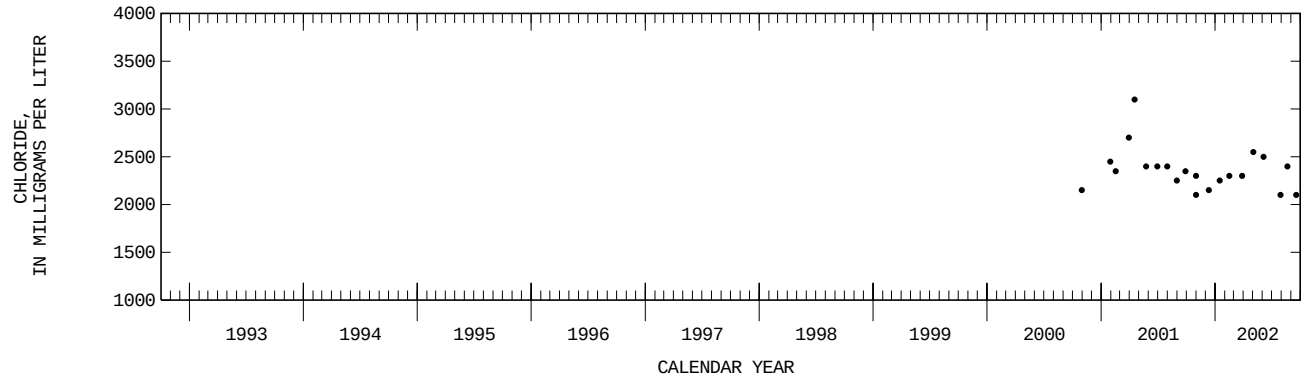
SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	7799	7938	8098	7989	7917	---
10	---	---	---	---	---	---	7818	7959	8120	8031	7833	---
15	---	---	---	---	---	---	7842	7953	8139	8023	7858	7795
20	---	---	---	---	---	---	7841	8002	8162	8035	7869	7832
25	---	---	---	---	---	7852	---	7961	8211	8010	7847	---
EOM	---	---	---	---	---	7814	7928	8183	8000	7987	7901	7939
MAX	---	---	---	---	---	---	---	---	8220	8053	7993	---

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	7852	7966	7973	8084	---	8184	8318	8479	8223	8270	8358
10	---	7791	7979	---	8114	8114	8228	8335	8431	8211	8302	8270
15	7898	7878	7968	7952	8105	8110	8256	8383	---	8103	8296	8142
20	7966	7879	7978	7994	8168	8140	8273	---	8333	8131	8362	8258
25	7757	7879	8038	8016	8106	8241	8296	8426	8343	8265	8385	---
EOM	7815	7933	8015	8050	8113	8182	8319	---	8270	8271	8365	---
MAX	---	7933	8040	---	8177	---	8319	---	---	8369	---	---

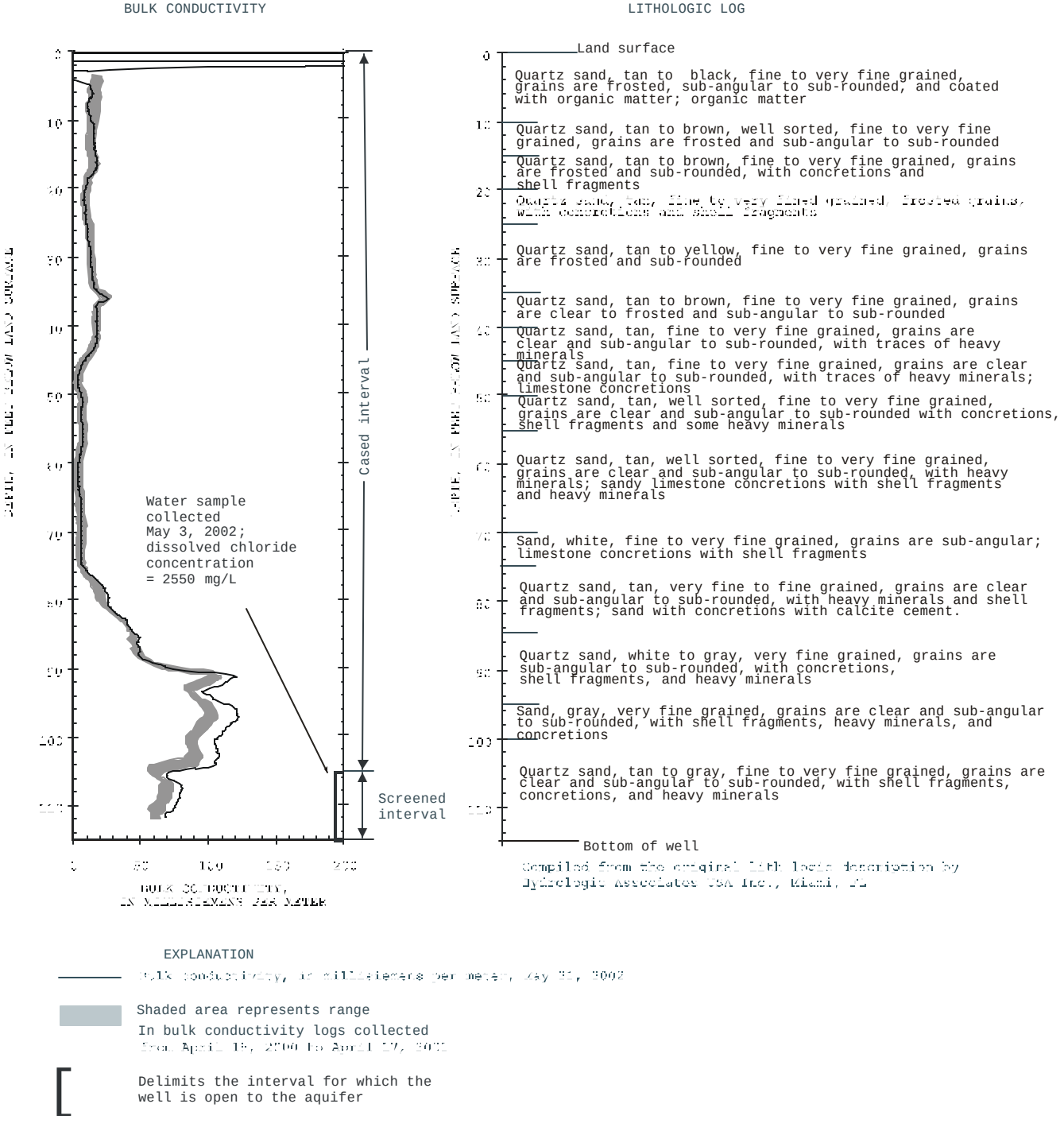




BROWARD COUNTY--Continued

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

260325080113901 G-2900



EXPLANATION

Bulk conductivity, in millisiemens per meter, May 03, 2002

Shaded area represents range in bulk conductivity logs collected from April 19, 2000 to April 17, 2002

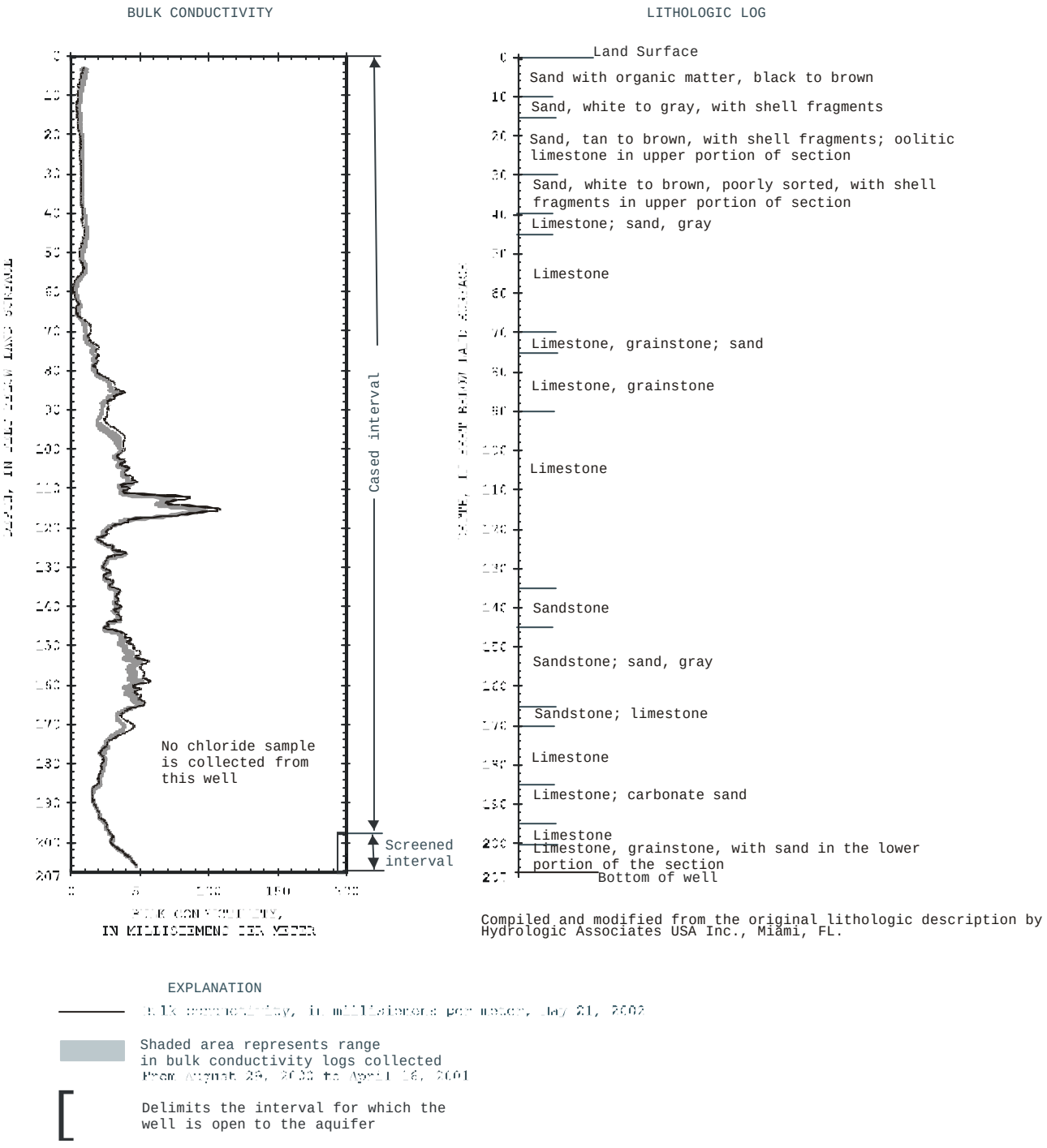
Delimits the interval for which the well is open to the aquifer

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 $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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, 0.40 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.
REMARKS.--A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier.
PERIOD OF RECORD.--August 2000 to current year.

260326080120301 G-2921



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

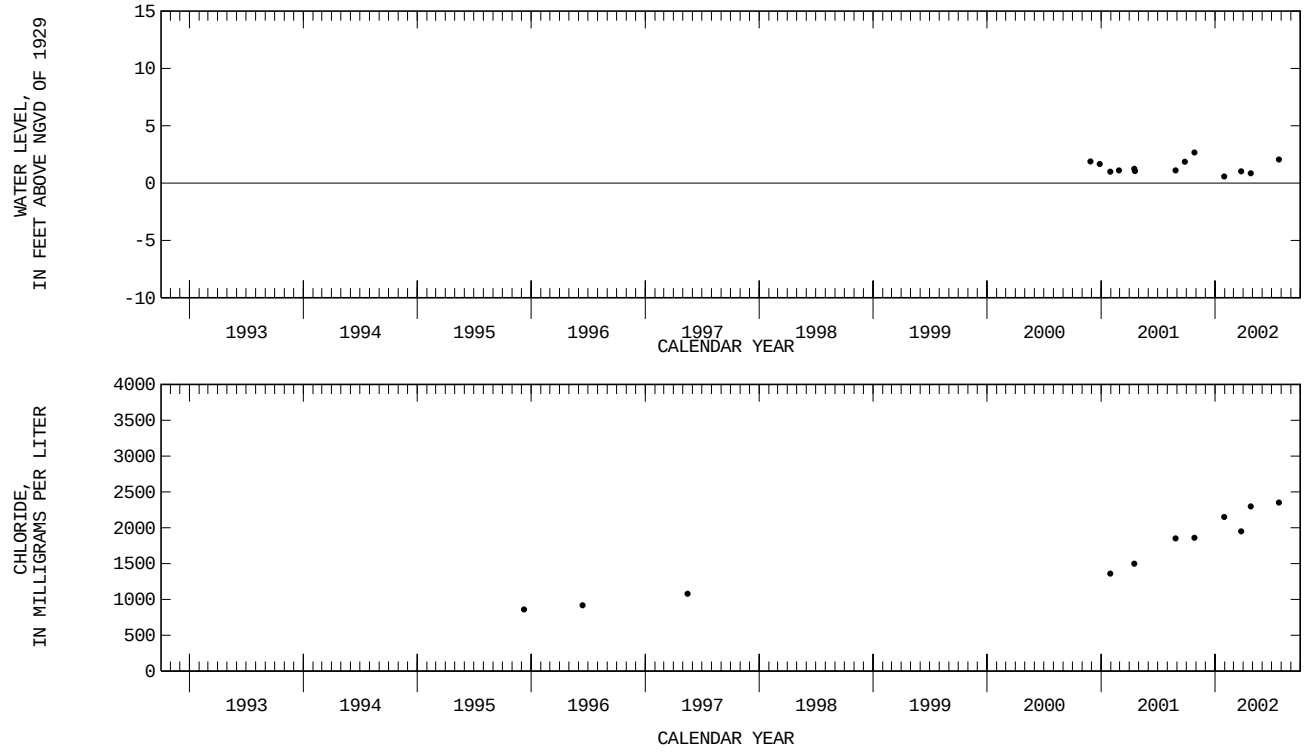
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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, 2.66 ft NGVD, Oct. 26, 2001; lowest, 0.57 ft NGVD, Jan. 29, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
26...	1311	5780	1860	2.66	25...	1203	6370	2300	.87
JAN					JUL				
29...	1627	6140	2150	.57	24...	1417	6550	2350	2.06
MAR									
25...	1000	6720	1950	1.02					



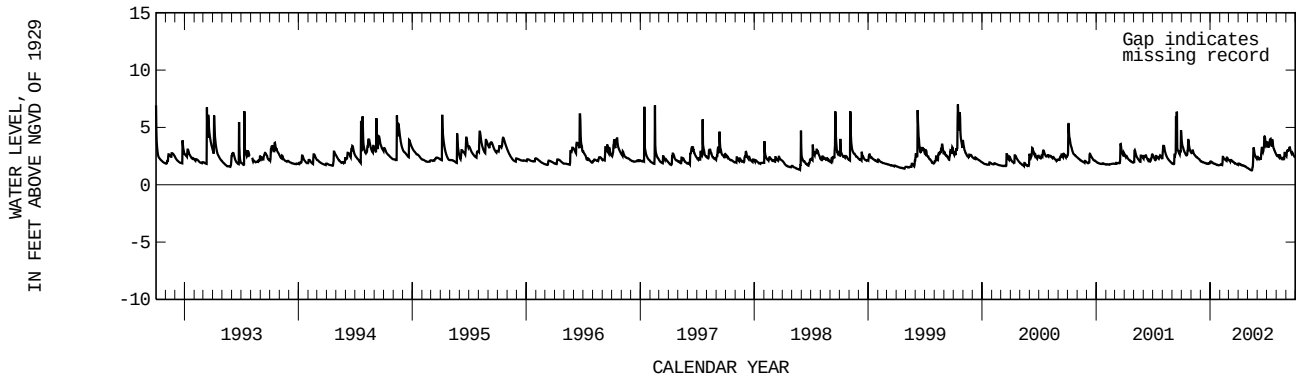
BROWARD COUNTY--Continued

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

LOCATION.--Lat 26°04'58", long 80°13'48", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 State Road 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.30	2.99	2.00	1.98	1.77	2.07	1.80	1.38	2.25	3.41	2.58	2.97
10	2.88	2.67	1.95	1.87	2.43	2.14	1.72	1.29	2.30	3.78	2.36	2.95
15	2.59	2.49	1.91	1.84	2.23	2.00	1.69	1.28	3.22	3.52	2.35	3.00
20	2.98	2.39	1.86	1.76	2.12	1.88	1.64	3.25	2.96	3.66	2.26	2.74
25	3.38	2.26	1.85	1.72	2.33	1.82	1.57	2.52	4.18	3.02	2.24	2.57
EOM	2.80	2.09	1.98	1.71	2.20	1.74	1.46	2.37	3.40	2.65	2.60	2.36
MAX	3.96	2.99	2.08	2.03	2.43	2.16	1.85	3.25	4.22	4.00	2.78	3.26



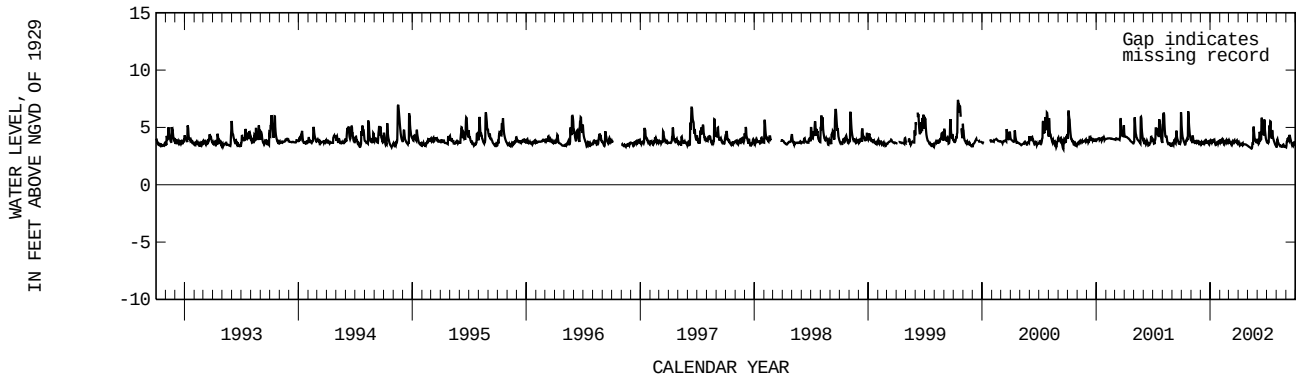
BROWARD COUNTY--Continued

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

LOCATION.--Lat 26°05'15", long 80°20'21", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.07	4.23	3.66	3.67	3.91	3.66	3.57	3.31	3.57	3.72	3.82	3.97
10	3.65	3.71	3.63	3.87	3.99	3.62	3.53	3.21	4.24	5.12	3.50	3.85
15	3.83	3.74	3.74	3.75	3.57	3.72	3.63	3.29	5.85	4.37	3.39	3.98
20	3.89	3.72	3.70	3.56	3.86	3.69	3.53	5.07	4.41	4.29	3.35	3.45
25	5.10	3.63	3.67	3.71	3.69	3.82	3.51	3.83	4.78	3.73	3.32	3.55
EOM	3.88	3.65	3.76	3.67	3.84	3.62	3.42	3.86	3.83	3.38	3.28	3.78
MAX	6.40	4.23	3.86	3.92	3.99	3.89	3.74	5.07	5.85	5.54	3.98	4.35



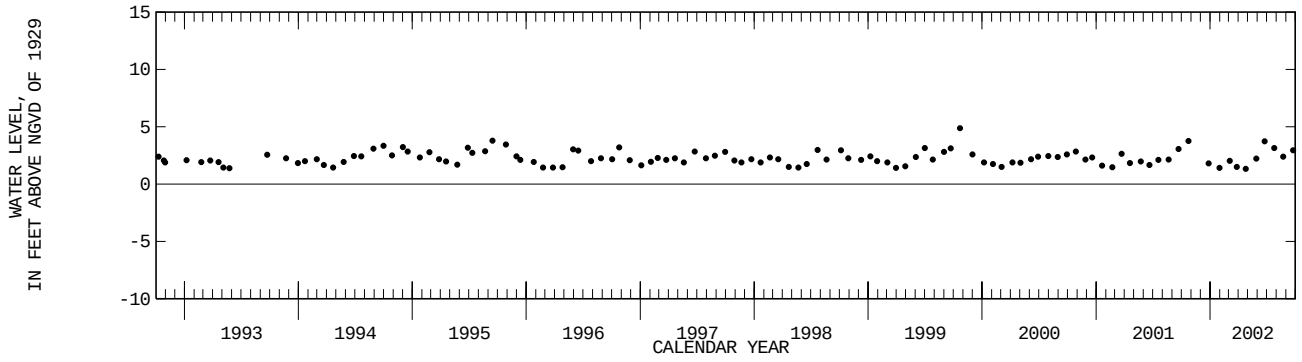
BROWARD COUNTY--Continued

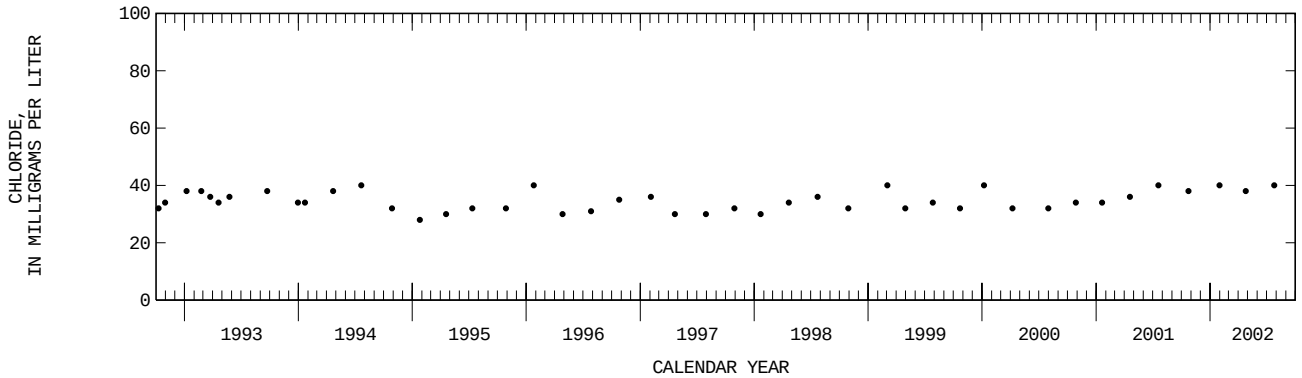
WELL NUMBER.--260521080122401. Local Number G 2125. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'21", long 80°12'25", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
23...	1500	593	38.0	3.75	28...	0850	--	--	2.22
DEC					JUN				
27...	1350	--	--	1.80	24...	1426	--	--	3.73
JAN					JUL				
30...	--	531	40.0	1.41	25...	1357	573	40.0	3.14
MAR					AUG				
04...	--	--	--	2.02	23...	1358	--	--	2.40
27...	1600	--	--	1.49	SEP				
APR					23...	1413	--	--	2.96
25...	1415	521	38.0	1.34					





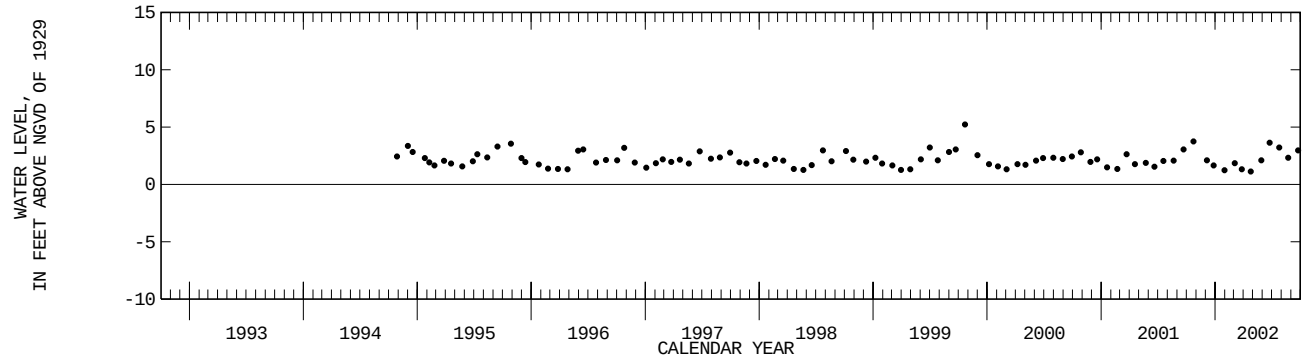
BROWARD COUNTY--Continued

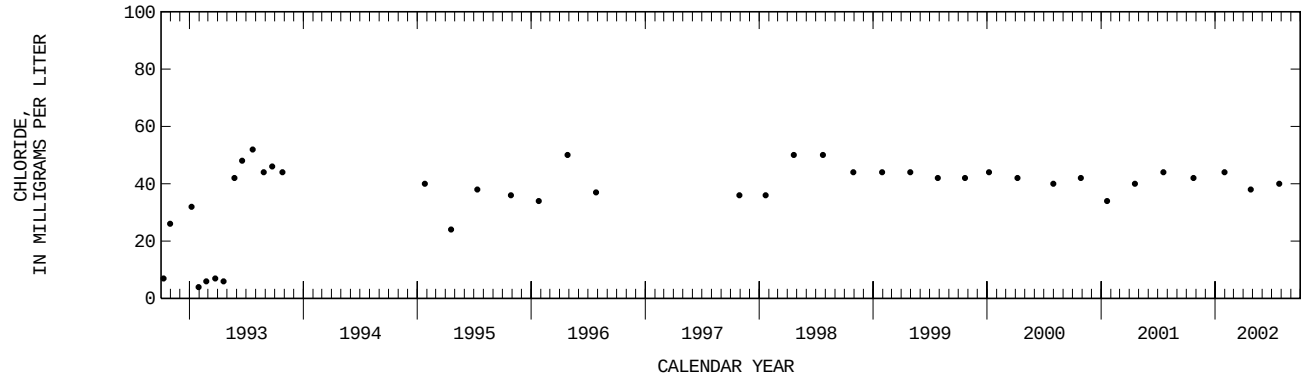
WELL NUMBER.--260528080122301. Local Number G 2123. USGS Observation Well near Fort Lauderdale, FL

LOCATION.--Lat 26°05'27", long 80°12'23" in NW $^1/_4$ SW $^1/_4$ SE $^1/_4$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
23...	1449	556	42.0	3.76	28...	0840	--	--	2.10
DEC					JUN				
05...	1110	--	--	2.11	24...	1405	--	--	3.64
27...	1345	--	--	1.66	JUL				
JAN					25...	1327	527	40.0	3.22
30...	--	489	44.0	1.24	AUG				
MAR					23...	1340	--	--	2.34
04...	--	--	--	1.86	SEP				
27...	1553	--	--	1.31	23...	1355	--	--	2.96
APR									
25...	1347	484	38.0	1.14					





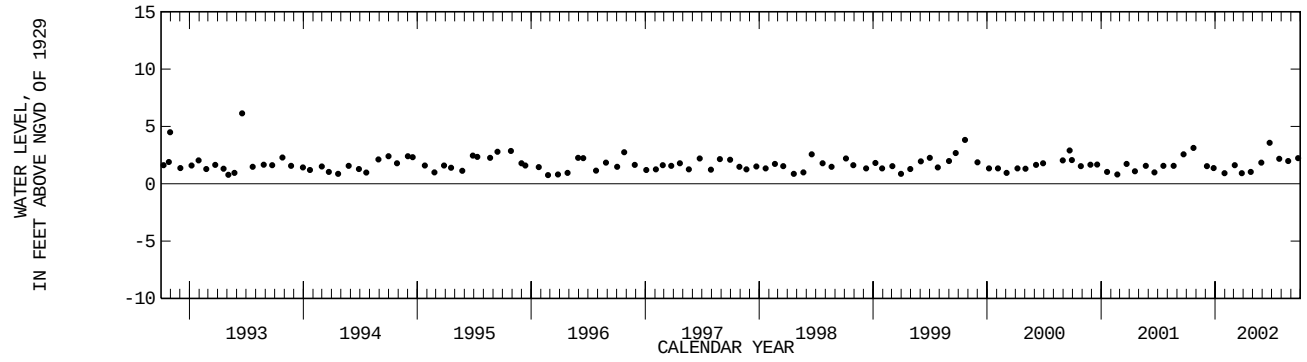
BROWARD COUNTY--Continued

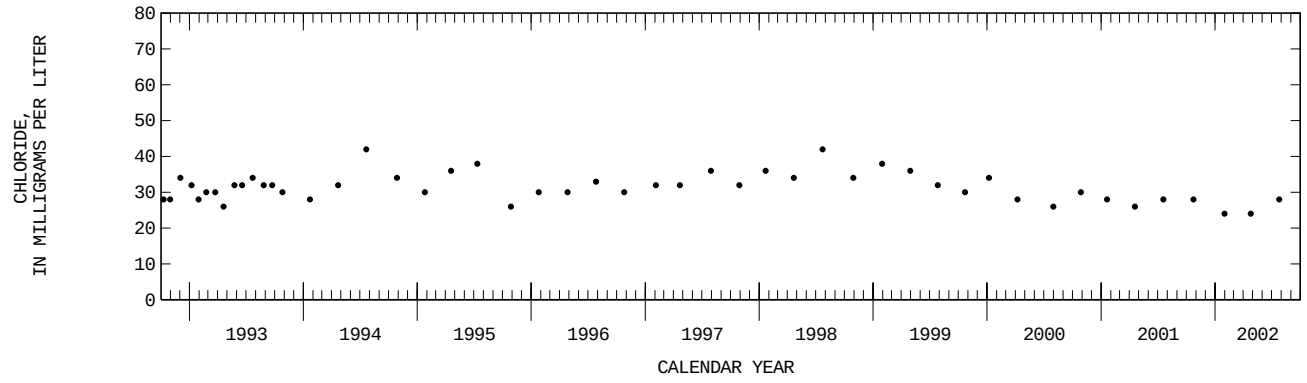
WELL NUMBER.--260530080112101. Local Number G 2130. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'30", long 80°11'22", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
23...	1410	483	28.0	3.12	28...	0910	--	--	1.83
DEC					JUN				
05...	1050	--	--	1.54	24...	1320	--	--	3.56
27...	1329	--	--	1.36	JUL				
JAN					25...	1240	466	28.0	2.17
30...	--	423	24.0	.92	AUG				
MAR					23...	1235	--	--	1.99
04...	--	--	--	1.62	SEP				
27...	1522	--	--	.93	23...	1302	--	--	2.22
APR									
25...	1300	434	24.0	1.02					





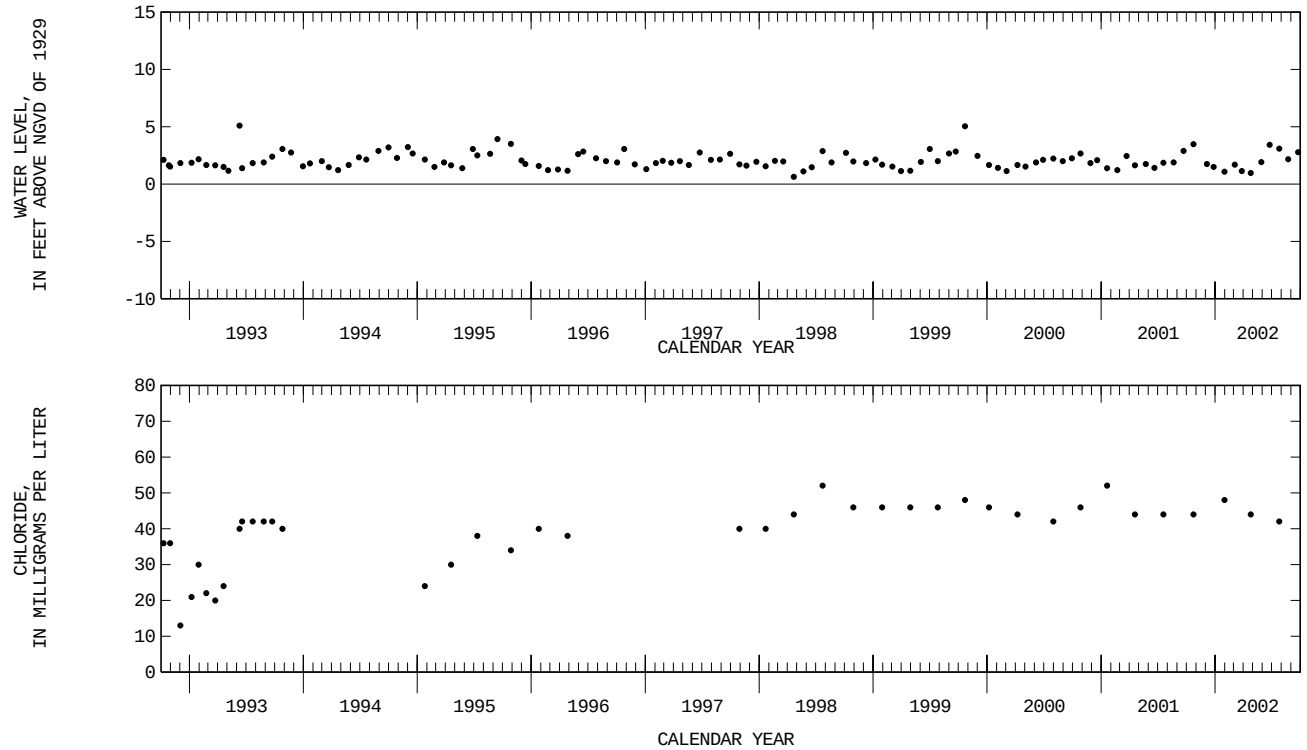
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
23...	1429	605	44.0	3.48
DEC				
05...	1102	--	--	1.75
27...	1340	--	--	1.49
JAN				
30...	--	536	48.0	1.09
MAR				
04...	--	--	--	1.69
27...	1540	--	--	1.15
APR				
25...	1325	545	44.0	.97
MAY				
28...	0830	--	--	1.91
JUN				
24...	1345	--	--	3.42
JUL				
25...	1305	579	42.0	3.10
AUG				
23...	1315	--	--	2.16
SEP				
23...	1340	--	--	2.78



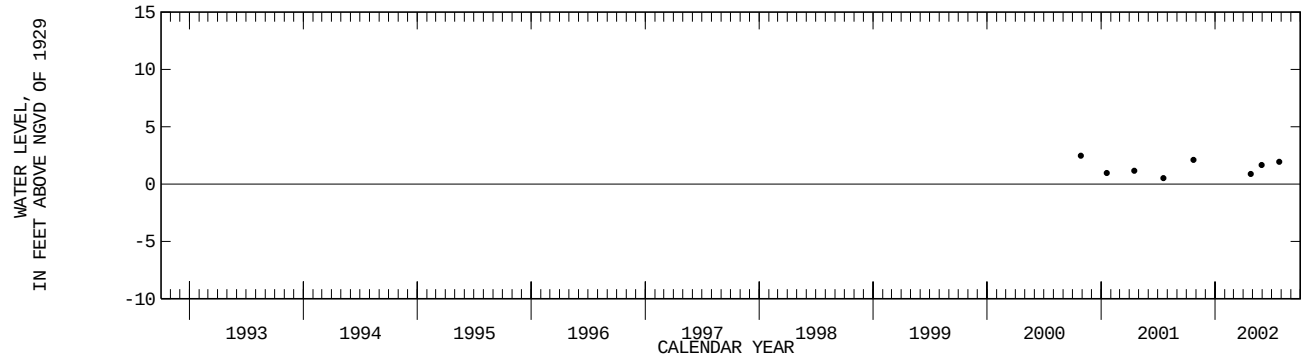
BROWARD COUNTY--Continued

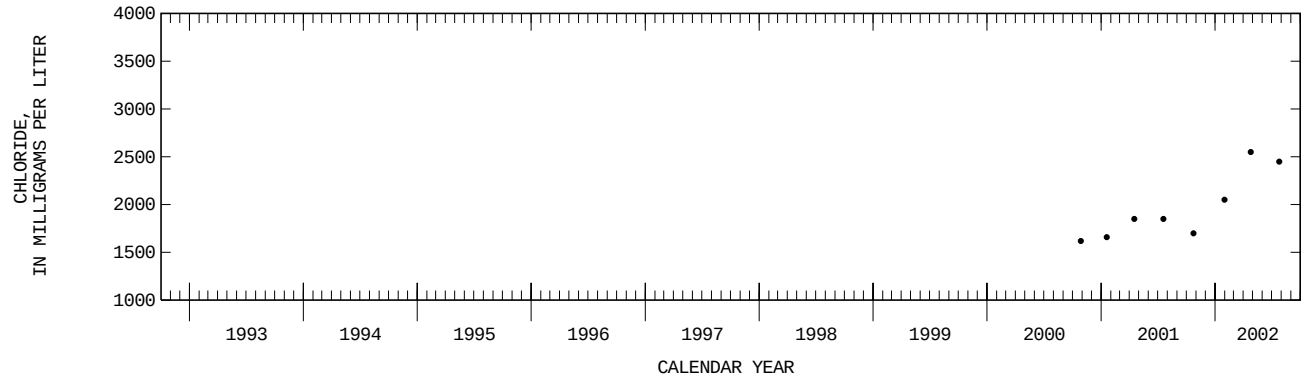
WELL NUMBER.--260534080110801. Local Number G 2904. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'34", long 80°11'07", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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. (Corrected).
AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.
WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 126 ft, cased to 116 ft, screened 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. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
23...	1254	5850	1700	2.12
JAN				
30...	--	6270	2050	--
APR				
25...	1130	7620	2550	.89
MAY				
29...	1530	--	--	1.67
JUL				
25...	1105	7710	2450	1.94

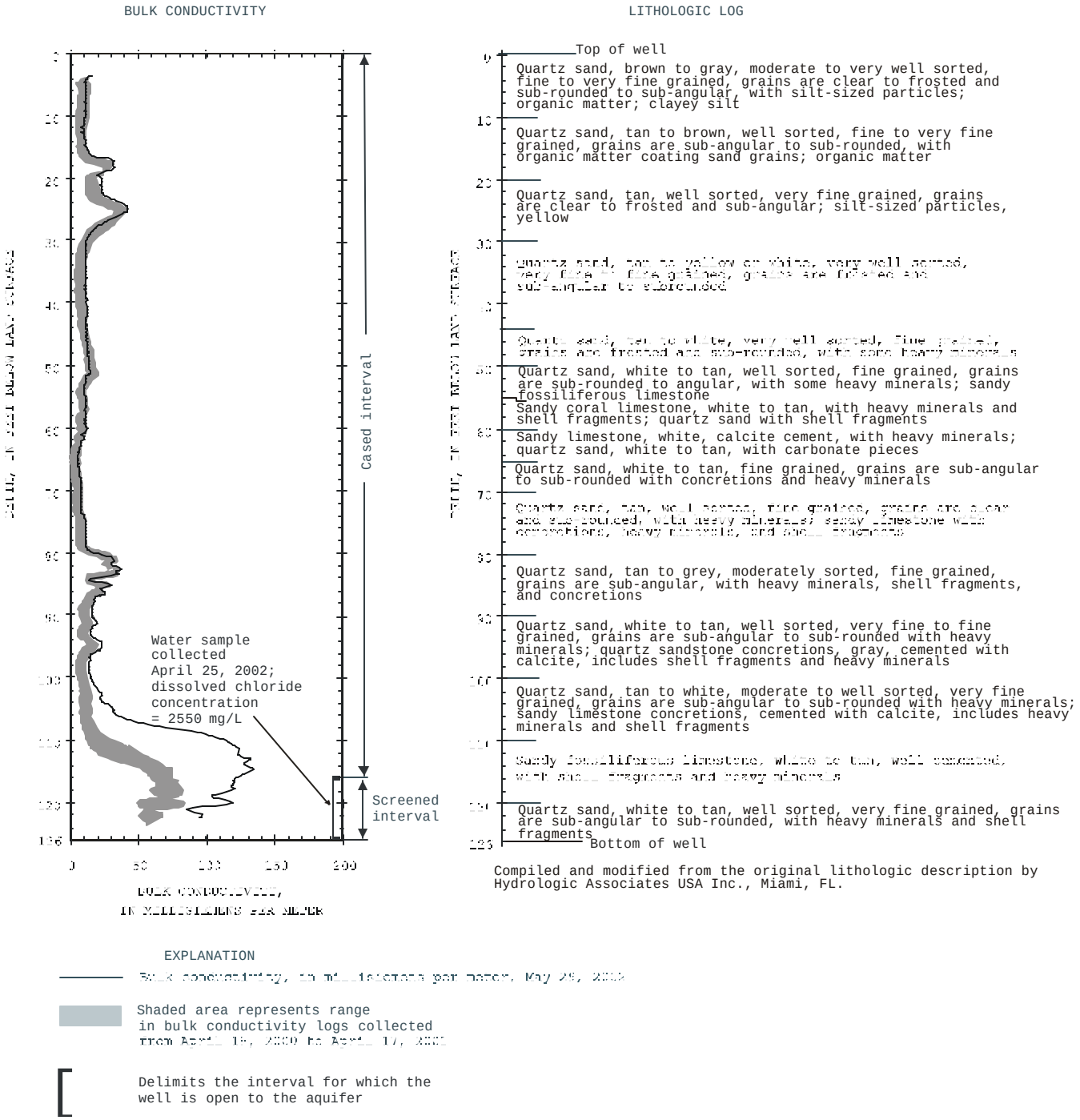




BROWARD COUNTY--Continued

WELL NUMBER.--260534080110801. Local Number G 2904. USGS Observation Well near Fort Lauderdale, FL.

260534080110801 G-2904



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

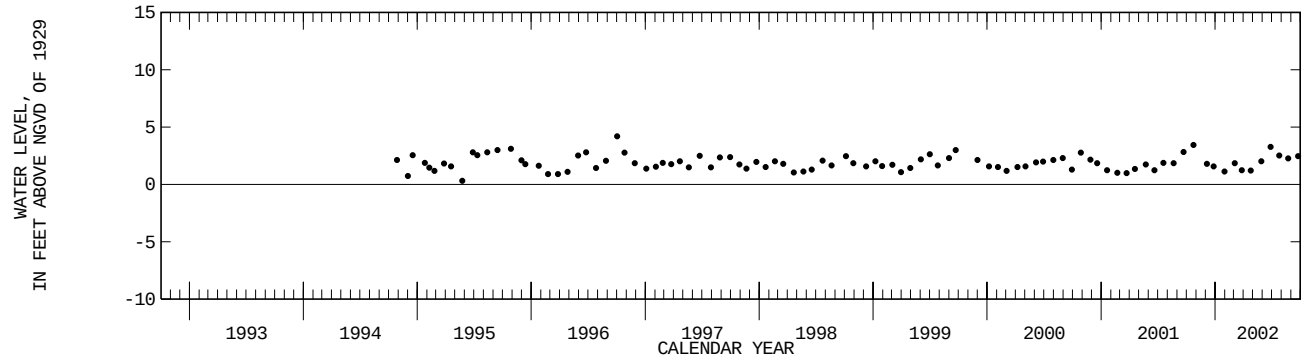
BROWARD COUNTY--Continued

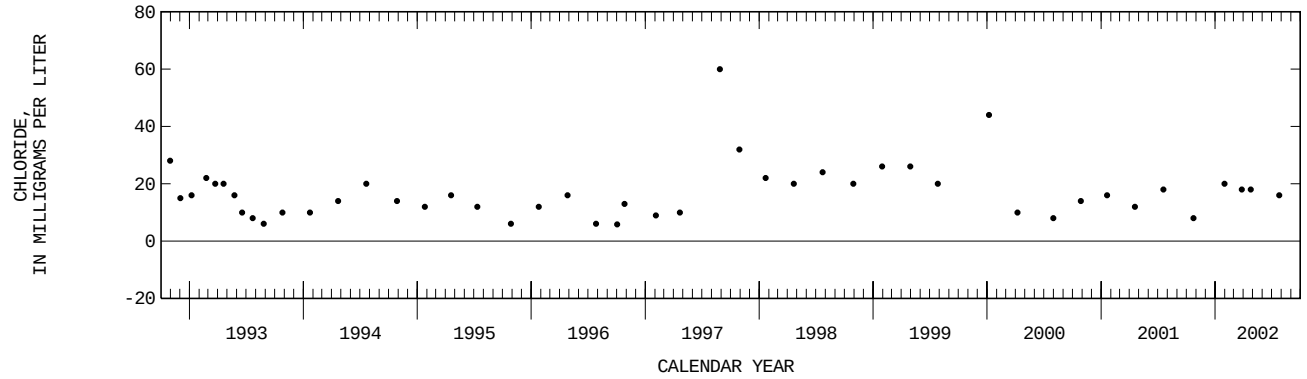
WELL NUMBER.--260534080112101. Local Number G 2129. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'33", long 80°11'22" in SW $^1/_4$ SW $^1/_4$ SE $^1/_4$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
23...	1355	129	8.0	3.44	28...	0905	--	--	2.01
DEC					JUN				
05...	1046	--	--	1.79	27...	1030	--	--	3.28
27...	1325	--	--	1.56	JUL				
JAN					25...	1205	310	16.0	2.51
30...	--	265	20.0	1.12	AUG				
MAR					23...	--	--	--	2.27
04...	--	--	--	1.84	SEP				
27...	1345	317	18.0	1.23	23...	1257	--	--	2.48
APR									
25...	1220	325	18.0	1.20					





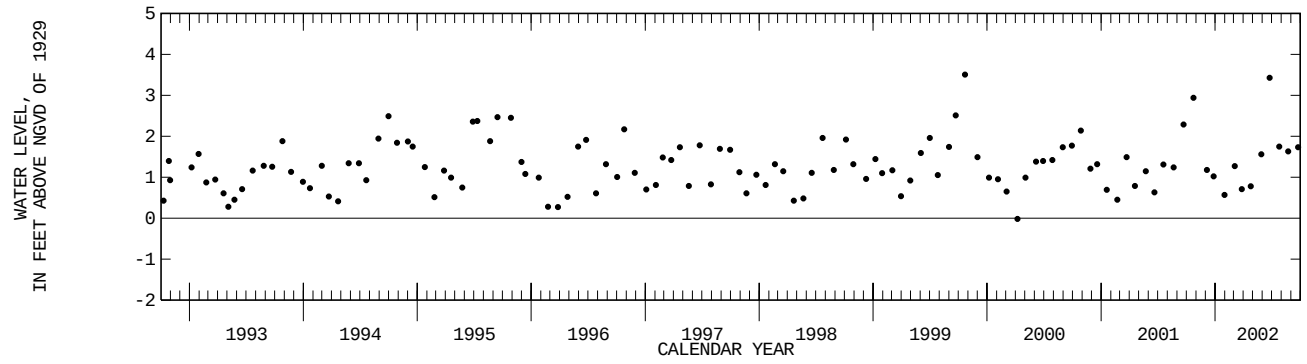
BROWARD COUNTY--Continued

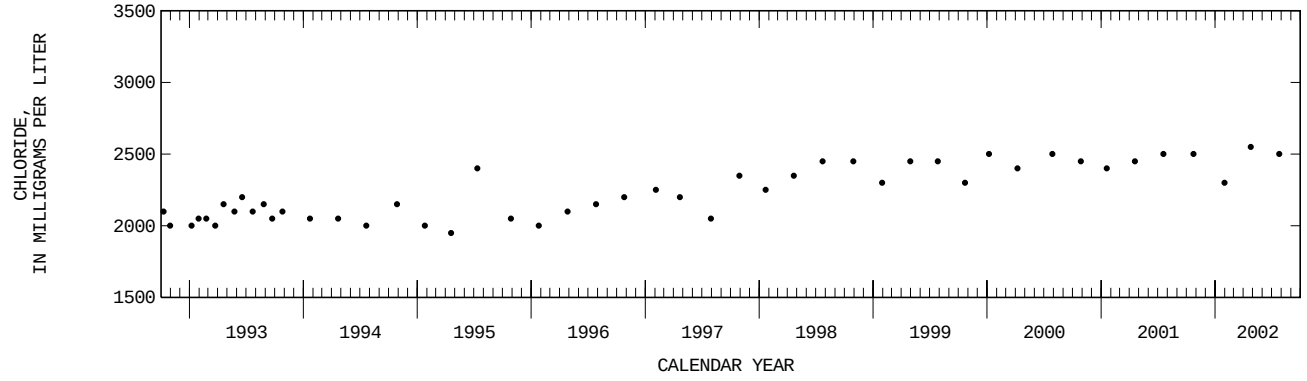
WELL NUMBER.--260535080104301. Local Number G 854. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'35", long 80°10'42", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
23...	1215	8500	2500	2.94
DEC				
05...	1027	--	--	1.18
27...	1314	--	--	1.02
JAN				
30...	--	7500	2300	.57
MAR				
04...	--	--	--	1.27
27...	1320	--	--	.71
APR				
25...	1054	7850	2550	.78
MAY				
28...	0930	--	--	1.56
JUN				
24...	1245	--	--	3.43
JUL				
25...	1005	8110	2500	1.75
AUG				
23...	1114	--	--	1.63
SEP				
23...	1217	--	--	1.73





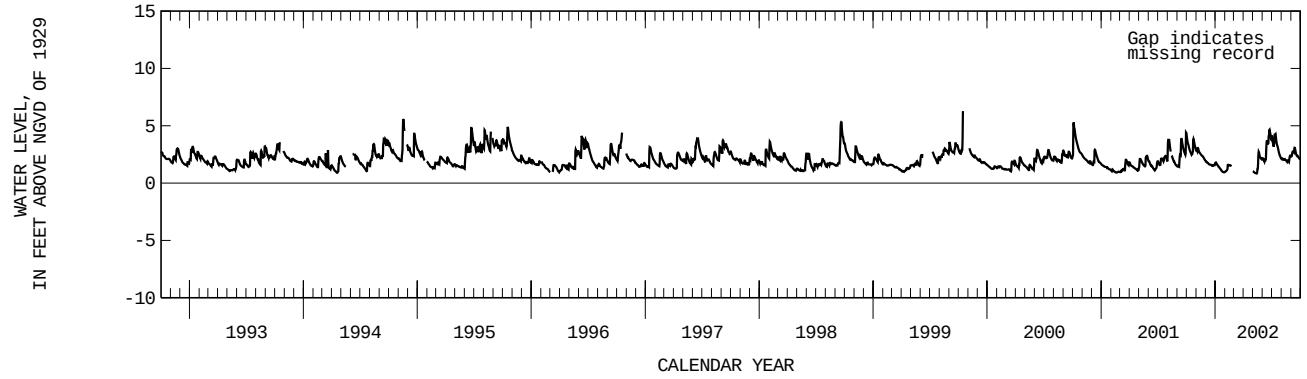
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Highway 1, and 0.3 mi north of State Road 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.46	3.05	1.81	1.67	1.06	---	---	0.96	2.00	3.43	2.09	2.69
10	2.96	2.74	1.69	1.49	1.58	---	---	0.87	2.04	4.21	2.05	2.73
15	2.60	2.52	1.62	1.31	1.54	---	---	0.91	3.66	3.79	2.00	2.78
20	2.68	2.38	1.56	1.14	1.51	---	---	2.73	3.51	3.13	1.92	2.36
25	3.60	2.19	1.54	0.98	---	---	---	2.25	4.47	2.55	1.85	2.23
EOM	2.88	1.96	1.72	0.95	---	---	---	2.08	3.76	2.15	2.35	2.05
MAX	4.14	3.06	1.92	1.80	---	---	---	2.73	4.66	4.28	2.40	3.08



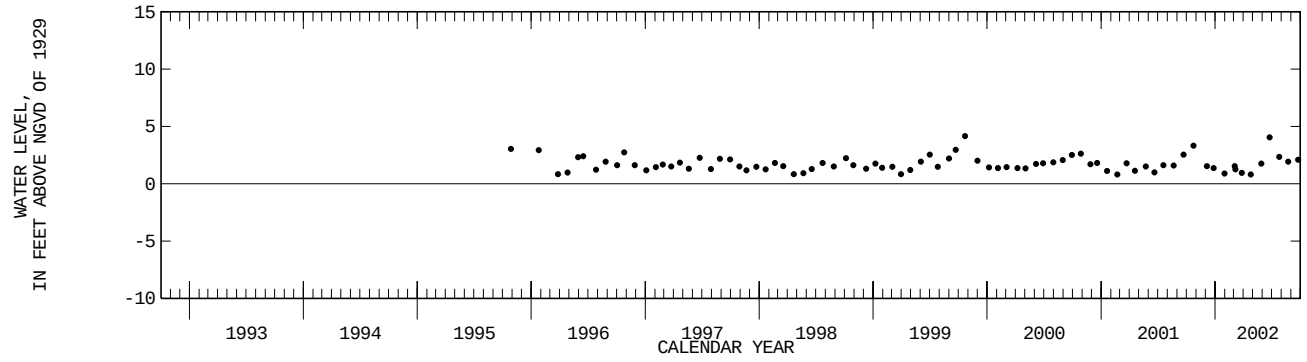
BROWARD COUNTY--Continued

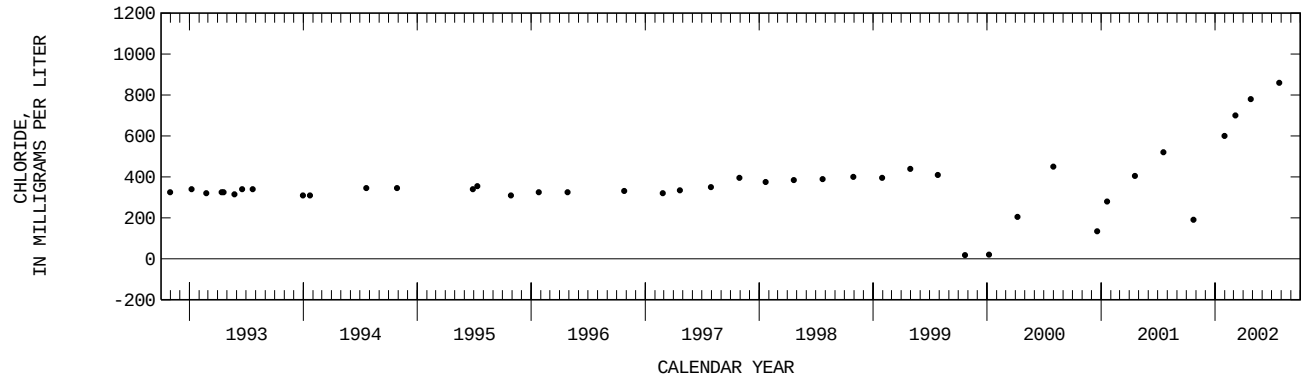
WELL NUMBER.--260547080105801. Local Number G 2352. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°05'46", long 80°10'58" in SE $^1/_4$ NW $^1/_4$ SW $^1/_4$ 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 and Apr. 25, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
23...	1321	896	190	3.33
DEC				
05...	1036	--	--	1.54
27...	1320	--	--	1.37
JAN				
30...	--	2130	600	.90
MAR				
04...	--	--	--	1.53
06...	1036	2300	700	1.26
27...	1330	--	--	.94
APR				
25...	1145	2690	780	.81
MAY				
28...	0920	--	--	1.76
JUN				
24...	1258	--	--	4.05
JUL				
25...	1443	3110	860	2.35
AUG				
23...	1127	--	--	1.94
SEP				
23...	1245	--	--	2.09





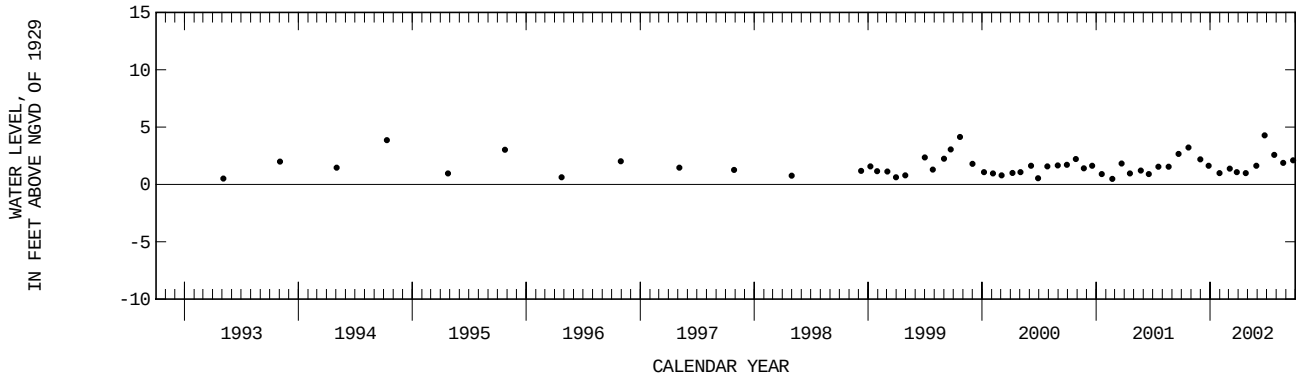
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ SW $^{1}/_{4}$ 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. (Corrected).
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
23...	1203	3.23	28...	0950	1.64
NOV			JUN		
30...	1455	2.20	24...	1147	4.28
DEC			JUL		
27...	1300	1.63	25...	0942	2.58
JAN			AUG		
30...	--	.99	23...	1055	1.89
MAR			SEP		
04...	--	1.37	23...	1203	2.10
27...	1255	1.07			
APR					
25...	1043	.98			



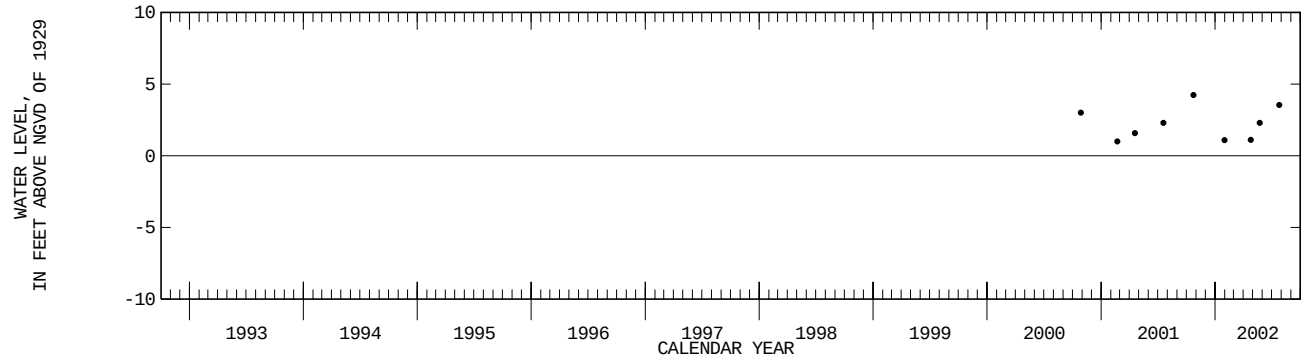
BROWARD COUNTY--Continued

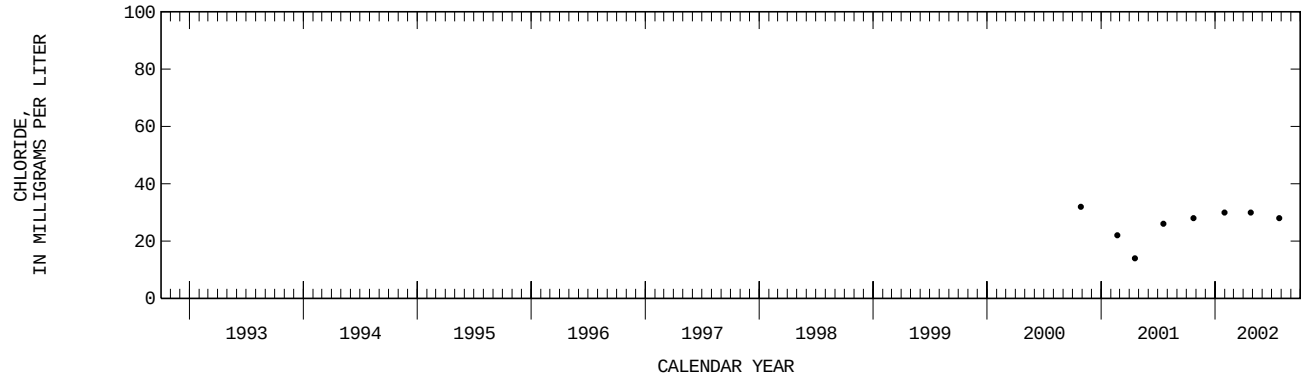
WELL NUMBER.--260638080104801. Local Number G 2902. USGS Observation Well near Melrose Park, FL.

LOCATION.--Lat 26°06'38", long 80°10'48", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 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. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier.
PERIOD OF RECORD.--October 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.23 ft NGVD, Oct. 23, 2001; lowest, 1.01 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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					MAY				
23...	1236	547	28.0	4.23	23...	0955	--	--	2.29
JAN					JUL				
30...	--	494	30.0	1.09	25...	0830	525	28.0	3.55
APR									
25...	1005	496	30.0	1.11					





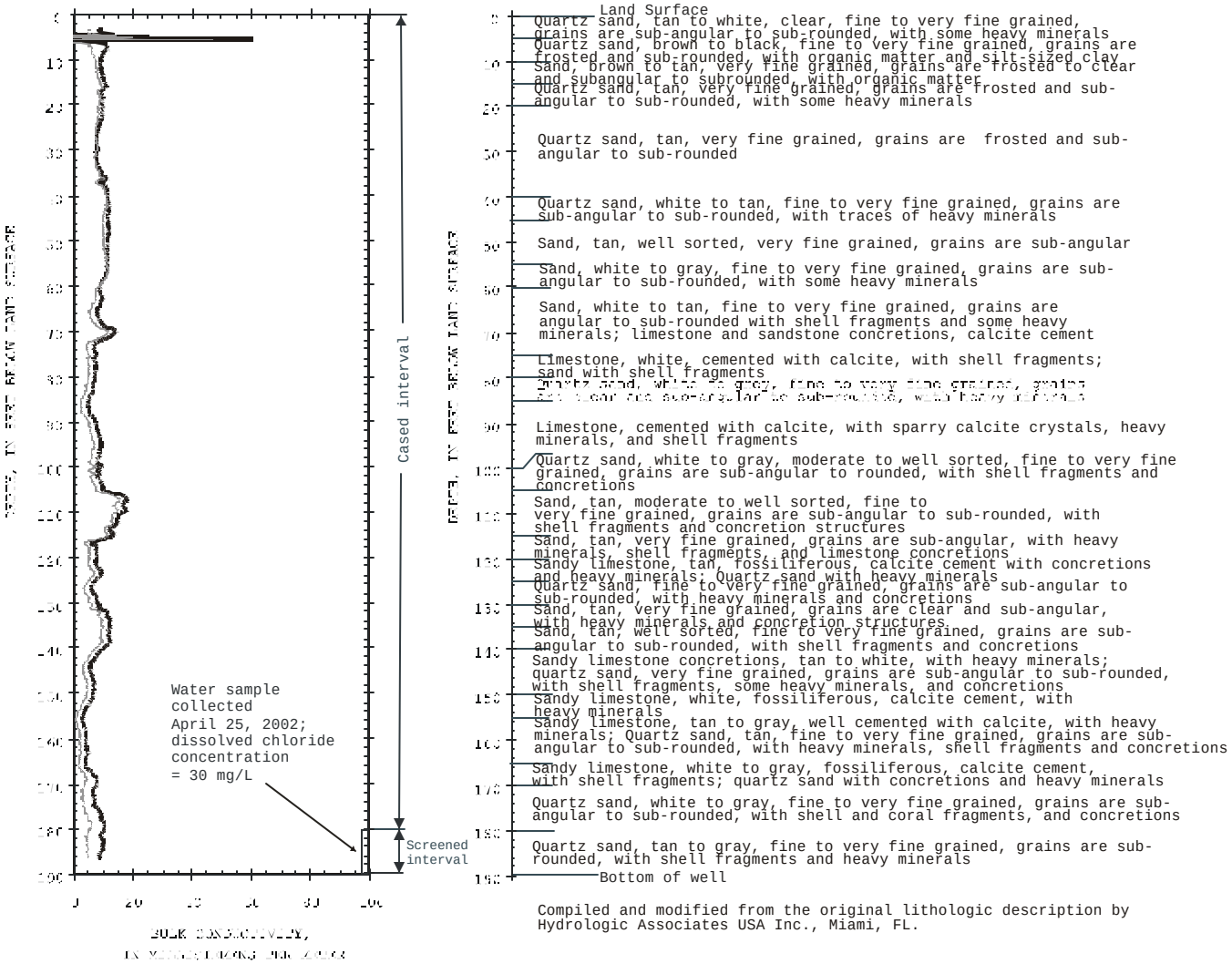
BROWARD COUNTY--Continued

WELL NUMBER.--260638080104801. Local Number G 2902. USGS Observation Well near Melrose Park, FL.

260638080104801 G-2902

BULK CONDUCTIVITY

LITHOLOGIC LOG



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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 13, 2002

Bulk conductivity, in millisiemens per meter, April 19, 2002

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

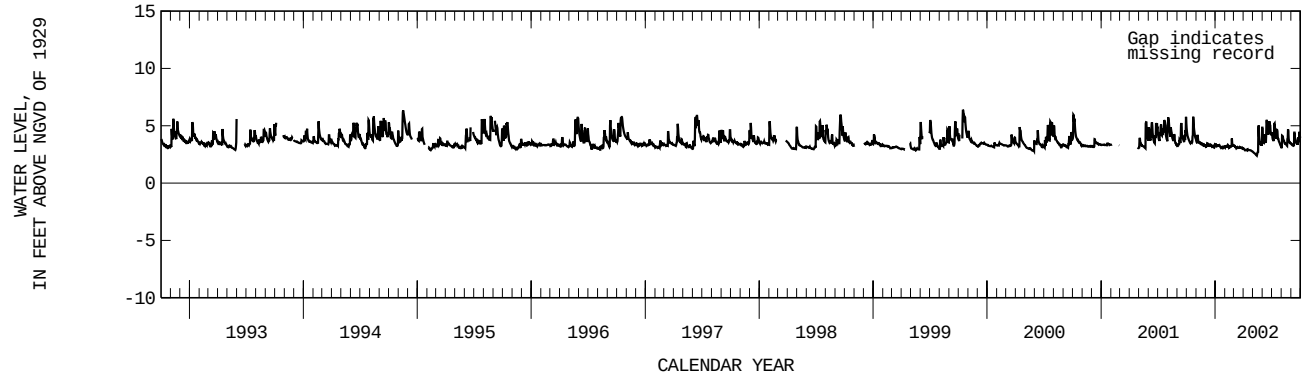
BROWARD COUNTY--Continued

WELL NUMBER.--260653080184901. Local Number G 2034. USGS Observation Well near Davie, FL.

LOCATION.--Lat 26°02'02", long 80°23'07", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.03	4.21	3.23	3.24	3.23	3.16	2.93	2.63	3.51	3.81	4.06	3.30
10	3.65	3.54	3.32	3.29	3.34	3.06	2.88	2.51	3.72	5.21	3.59	3.29
15	3.55	3.49	3.30	3.26	3.13	3.08	2.94	2.50	5.52	3.86	3.39	3.71
20	4.06	3.39	3.23	3.10	3.19	3.07	2.88	5.03	4.23	4.00	3.84	3.65
25	4.66	3.30	3.18	3.15	3.32	3.10	2.84	3.39	5.05	3.57	3.68	3.81
EOM	3.80	3.27	3.40	3.12	3.28	2.98	2.75	4.83	4.16	3.18	3.44	4.06
MAX	5.79	4.21	3.48	3.39	3.89	3.30	3.01	5.03	5.52	5.21	4.68	4.48



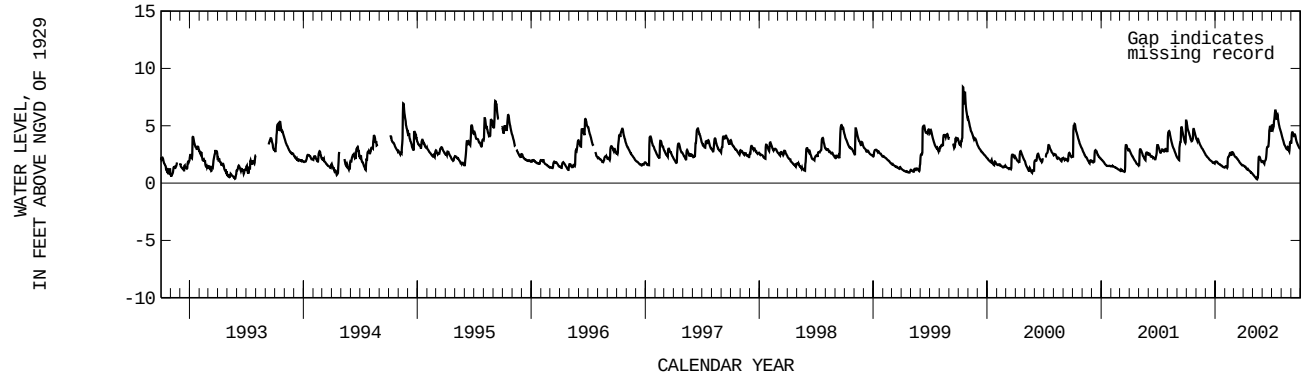
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Highway 441.
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.--Records of water levels prior to January 1957 are available in 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, 10.76 ft NGVD, Oct. 17, 1947; lowest, 1.26 ft below NGVD, May 2, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.66	3.85	2.30	1.85	1.43	2.31	1.44	0.65	1.75	4.75	3.84	4.43
10	4.23	3.57	2.17	1.72	2.11	2.20	1.30	0.48	1.96	5.81	3.37	4.10
15	3.77	3.25	2.01	1.63	2.44	2.01	1.25	0.33	2.99	5.80	3.09	4.06
20	3.79	3.01	1.90	1.54	2.58	1.80	1.08	2.26	3.20	5.87	3.08	3.52
25	4.61	2.78	1.78	1.42	2.70	1.64	0.91	2.11	4.91	4.98	2.80	3.19
EOM	3.98	2.53	1.81	1.35	2.59	1.55	0.81	1.89	4.49	4.39	3.59	3.02
MAX	5.32	3.86	2.45	1.89	2.70	2.53	1.54	2.30	4.91	6.33	4.27	4.43



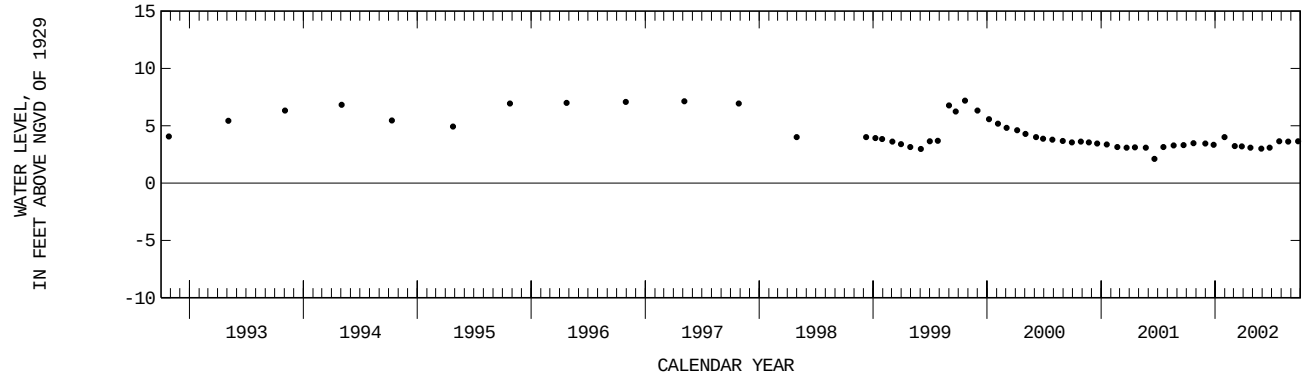
BROWARD COUNTY--Continued

WELL NUMBER.--260658080132001. Local Number G 1089 USGS Observation Well near Plantation, FL.

LOCATION.--Lat 26°06'58", long 80°13'20", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 14 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
23...	1119	3.48	28...	1040	3.00
NOV			JUN		
30...	1432	3.45	24...	1125	3.08
DEC			JUL		
27...	1132	3.35	25...	0920	3.64
JAN			AUG		
30...	--	4.02	23...	1032	3.63
MAR			SEP		
04...	--	3.24	23...	1045	3.64
27...	1230	3.21			
APR					
24...	0940	3.10			



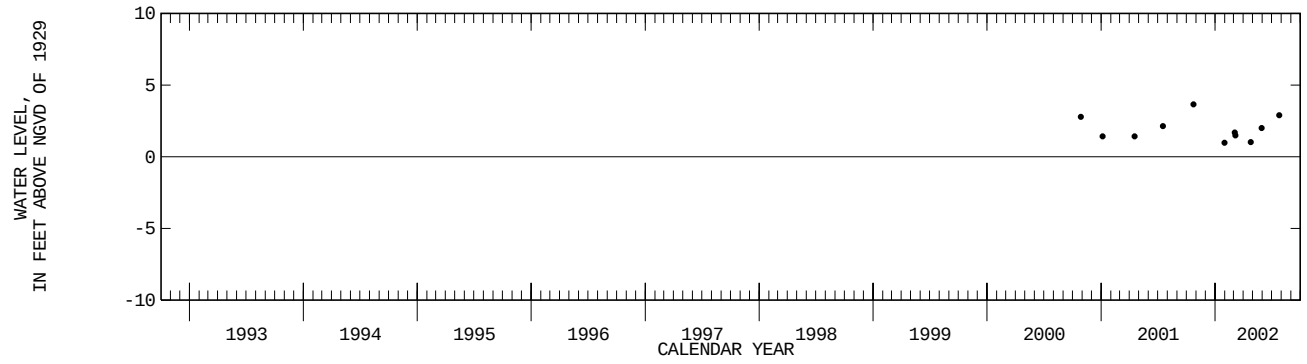
BROWARD COUNTY--Continued

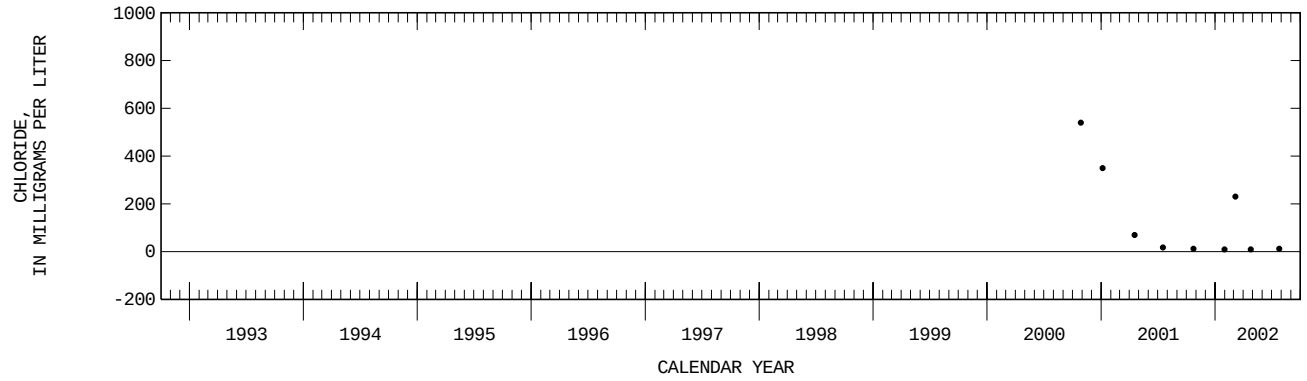
WELL NUMBER.--260737080103301. Local Number G 2901. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°07'37", long 80°10'33", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 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 calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 3.65 ft NGVD, Oct. 23, 2001; lowest, 0.98 ft NGVD, Jan. 30, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
23...	0928	E328	E12.0	3.65
JAN				
30...	--	E359	E10.0	.98
MAR				
04...	--	--	--	1.70
06...	0954	E1100	E230	1.50
APR				
25...	0853	388	10.0	1.03
MAY				
29...	1400	--	--	2.01
JUL				
25...	0810	330	12.0	2.89

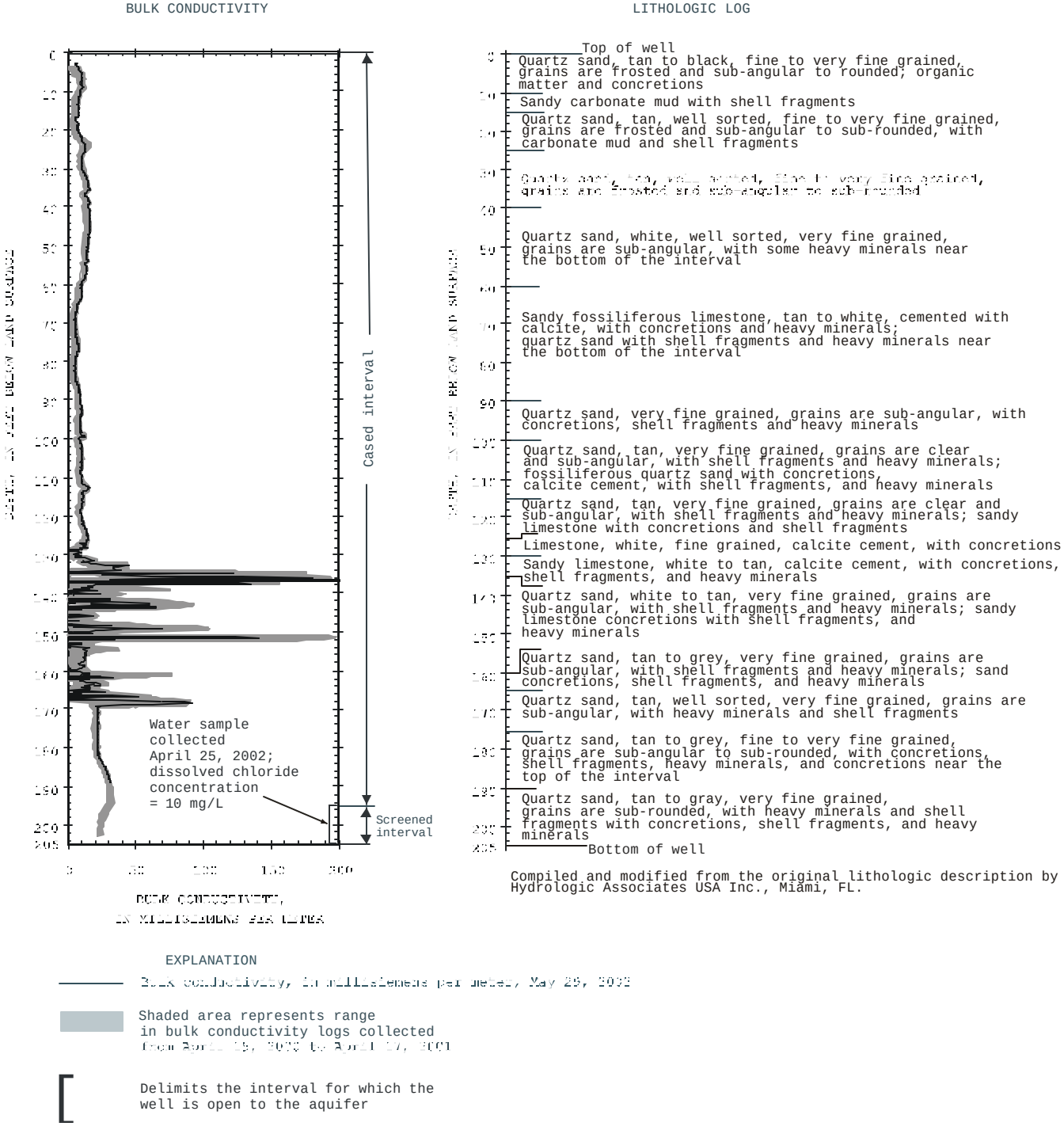




BROWARD COUNTY--Continued

WELL NUMBER.--260737080103301. Local Number G 2901. USGS Observation Well near Fort Lauderdale, FL.

260737080103301 G-2901



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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 25, 2002

Shaded area represents range in bulk conductivity logs collected from April 19, 2002 to April 17, 2003

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

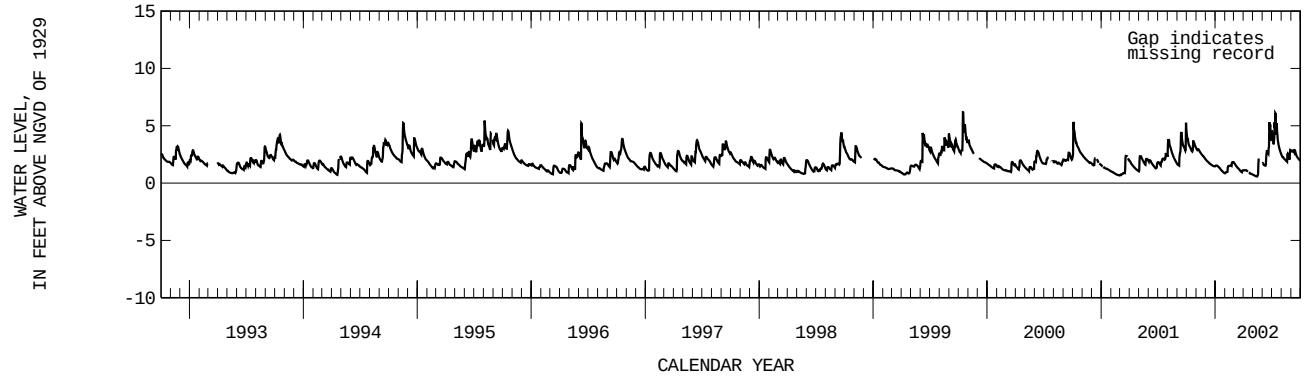
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. Highway 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 2.99 ft above land-surface datum. Prior to April 17, 2002, top of base was 3.01 ft above land-surface datum. Prior to October 2000, top of base was considered to be 3.02 ft (water years 1998 to 2000) or 3.00 ft (1989 to 1997) 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 U.S. Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.90	2.93	1.94	1.53	0.96	1.66	1.13	0.69	1.61	3.62	2.27	2.79
10	3.24	2.87	1.81	1.44	1.37	1.46	1.10	0.61	1.55	5.30	2.11	2.72
15	2.95	2.62	1.68	1.31	1.49	1.30	1.04	0.58	2.79	4.48	1.97	2.67
20	2.85	2.45	1.58	1.13	1.53	1.14	0.88	2.14	2.55	3.80	2.51	2.29
25	3.44	2.29	1.49	1.00	1.83	0.99	0.81	---	4.87	3.06	2.23	2.11
EOM	3.09	2.10	1.46	0.88	1.82	1.11	0.75	1.75	3.83	2.53	2.84	1.95
MAX	4.38	3.03	2.07	1.53	1.83	1.82	---	---	5.32	6.11	2.88	2.87



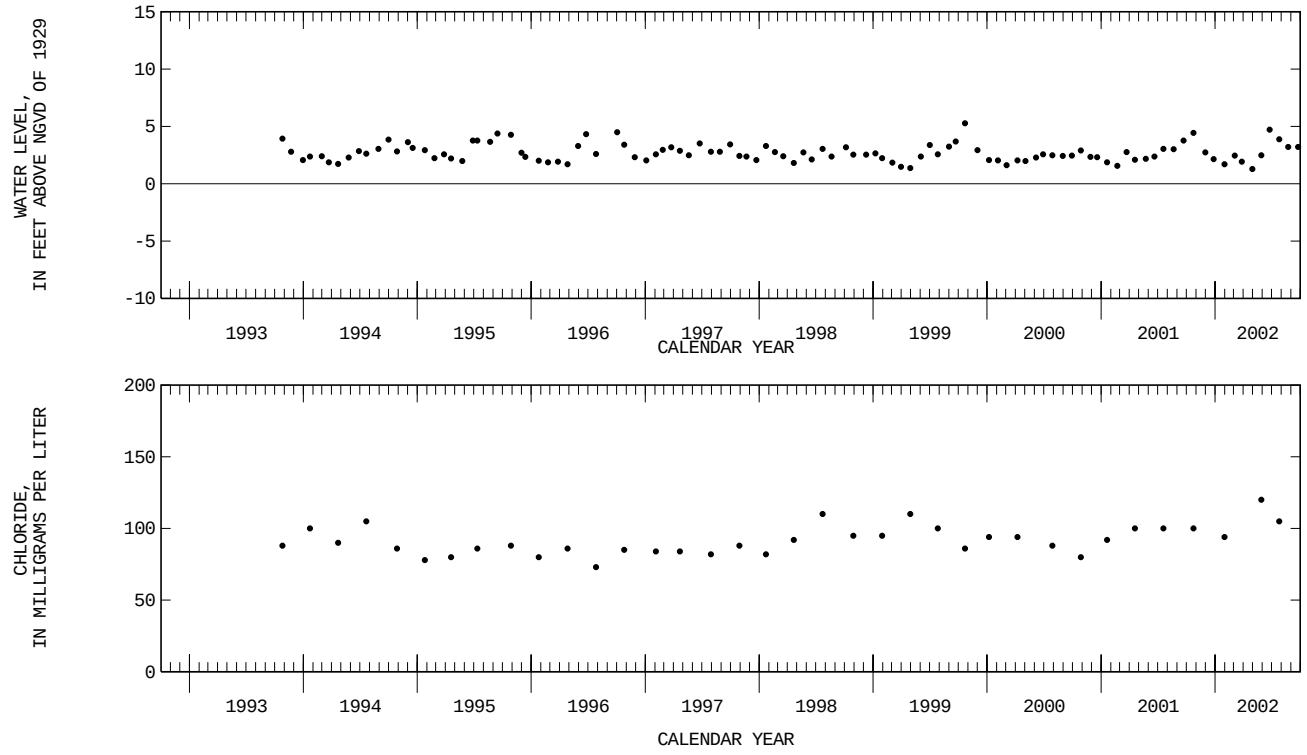
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

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					MAY				
23...	1053	869	100	4.44	28...	1010	823	120	2.48
NOV					JUN				
30...	1419	--	--	2.74	24...	1107	--	--	4.73
DEC					JUL				
27...	1121	--	--	2.16	25...	0855	834	105	3.88
JAN					AUG				
30...	--	760	94.0	1.70	23...	1015	--	--	3.21
MAR					SEP				
04...	--	--	--	2.45	23...	1125	--	--	3.22
27...	1218	--	--	1.94					
APR									
30...	0945	--	--	1.28					



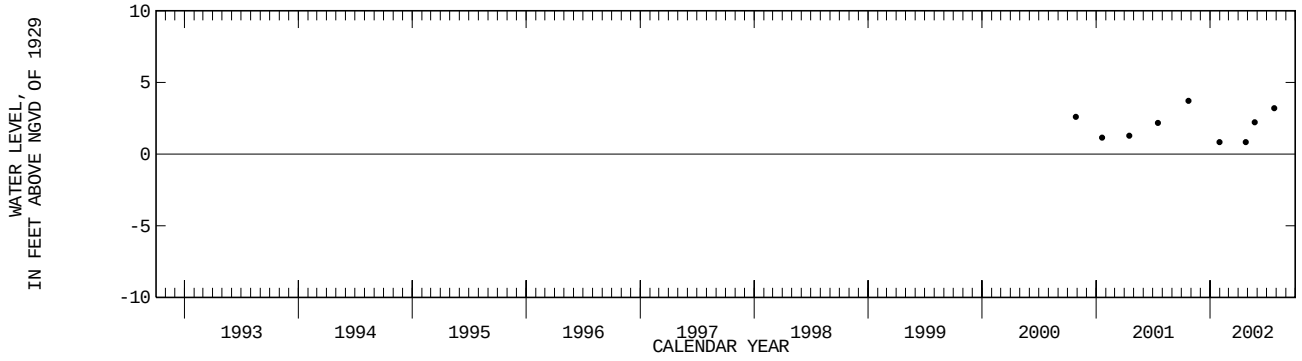
BROWARD COUNTY--Continued

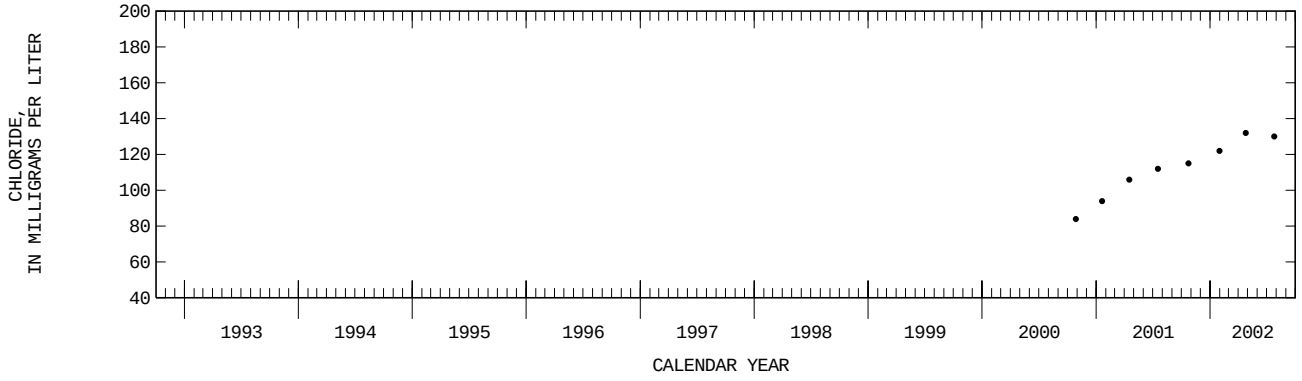
WELL NUMBER.--260804080092701. Local Number G 2899. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°08'05", long 80°09'38", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Interstate 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. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 3.72 ft NGVD, Oct. 23, 2001; lowest, 0.84 ft NGVD, Jan. 30, 2002 and Apr. 25, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
23...	1003	816	115	3.72	23...	0815	--	--	2.22
JAN					JUL				
30...	0949	747	122	.84	25...	0745	853	130	3.20
APR									
25...	0815	788	132	.84					

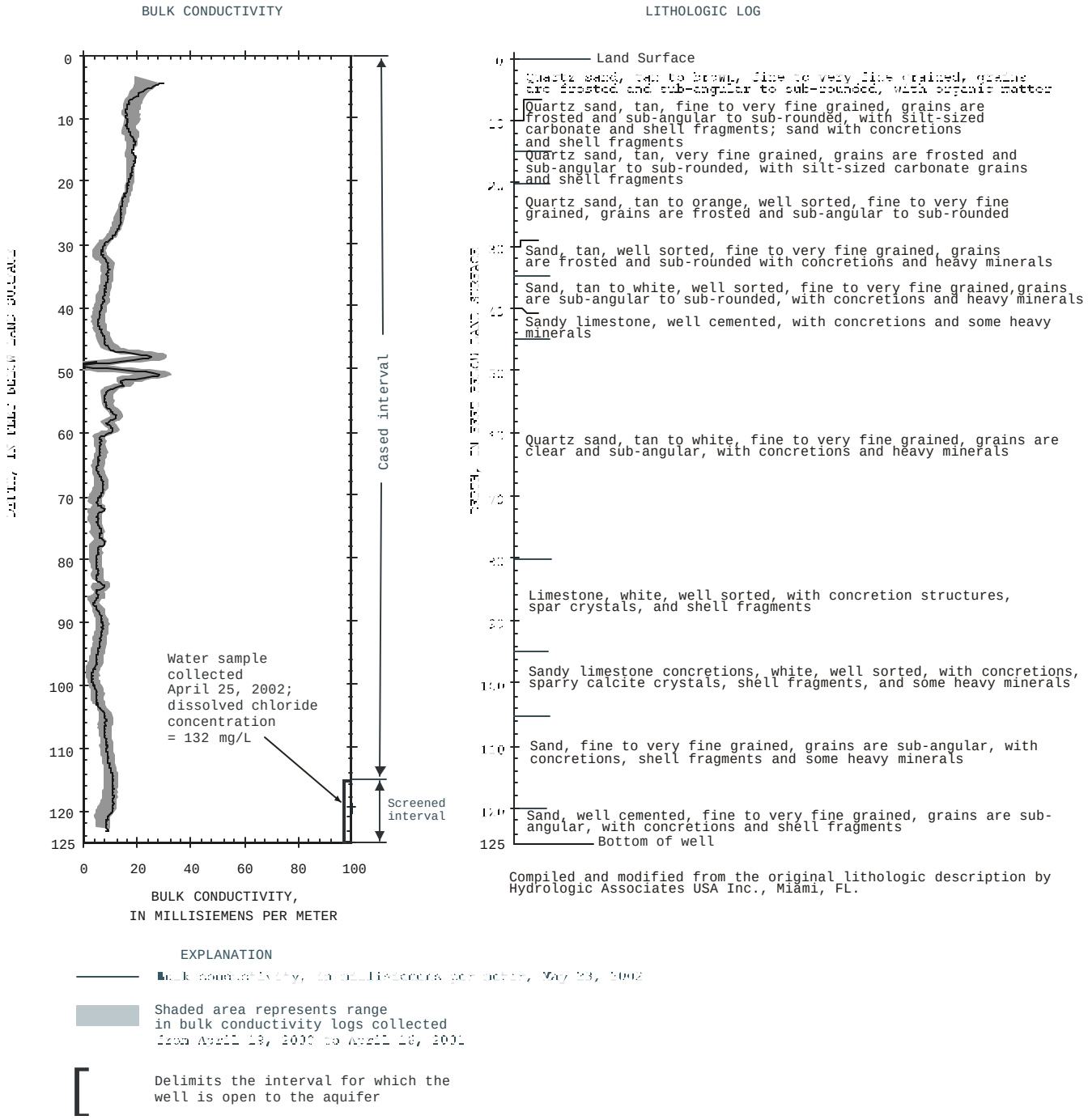




BROWARD COUNTY--Continued

WELL NUMBER.--260804080092701. Local Number G 2899. USGS Observation Well near Fort Lauderdale, FL.

260804080092701 G-2899



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

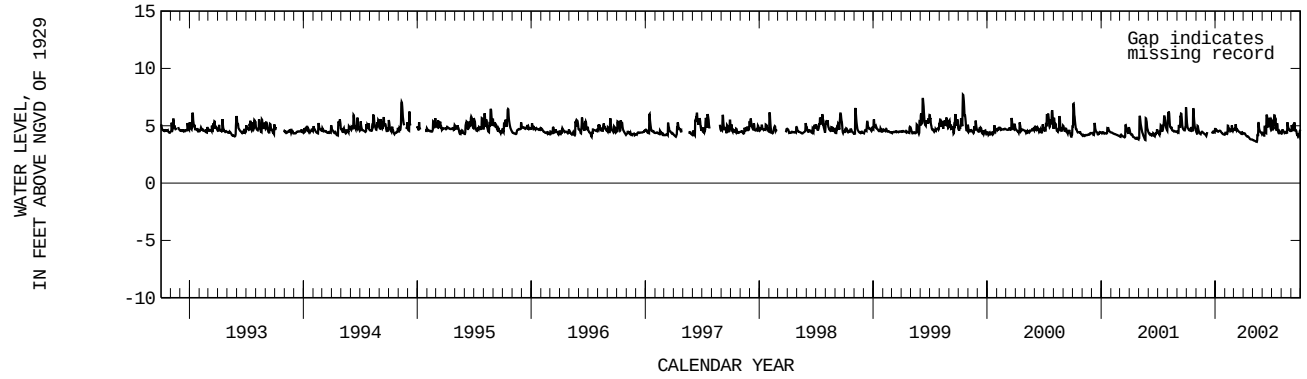
BROWARD COUNTY--Continued

WELL NUMBER.--260821080185101. Local Number G 2032. USGS Observation Well in Plantation, FL.

LOCATION.--Lat 26°08'21", long 80°18'51", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.79	4.99	4.31	4.57	4.34	4.71	4.34	3.71	4.19	4.82	4.56	4.93
10	4.60	4.47	---	4.48	5.01	4.60	4.14	3.64	4.73	5.90	4.41	4.54
15	4.89	4.26	---	4.57	4.68	4.57	4.08	3.71	5.97	4.88	4.47	4.63
20	4.51	4.48	4.49	4.43	4.60	4.45	3.93	5.24	5.11	4.66	5.30	4.23
25	5.50	4.35	4.40	4.28	4.58	4.30	3.81	4.48	5.44	4.37	4.67	4.17
EOM	4.58	4.23	4.72	4.22	4.61	4.31	3.78	4.38	4.64	4.35	4.54	4.66
MAX	6.52	4.99	---	4.72	5.03	5.13	4.35	5.24	5.97	5.91	5.30	5.23



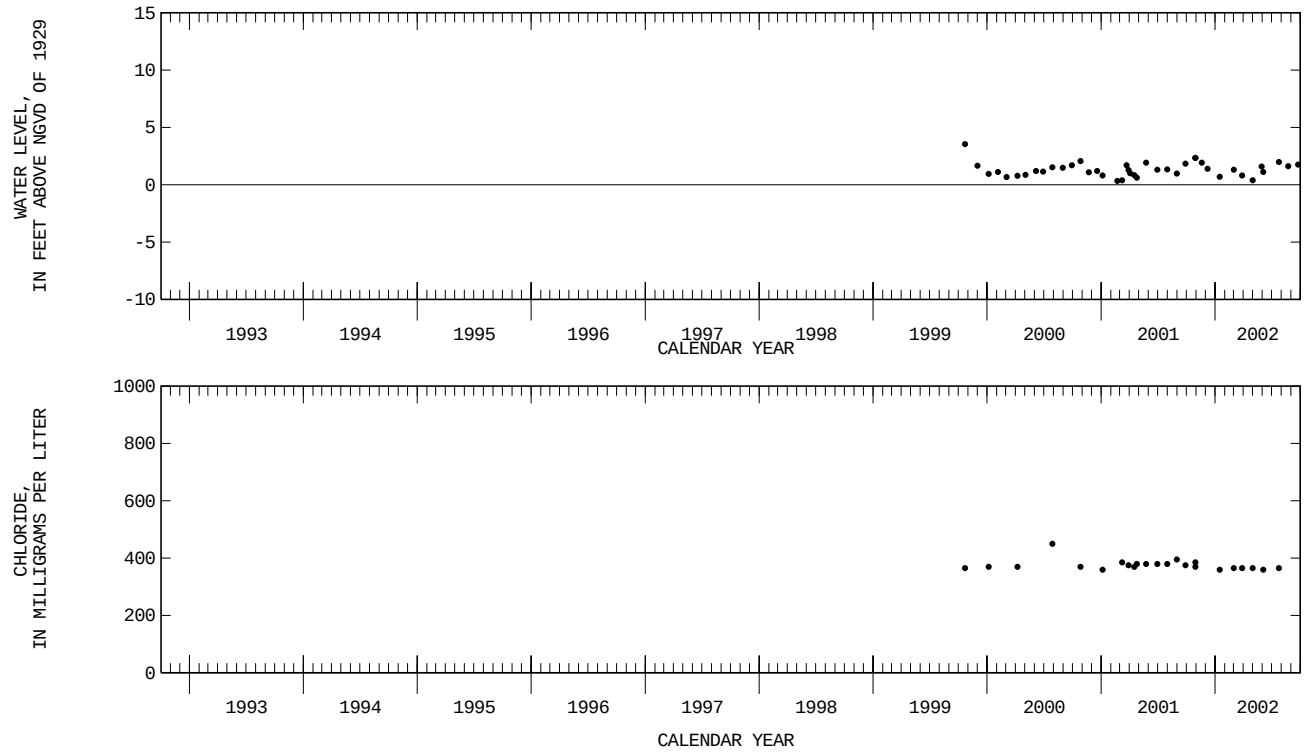
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ sec.28, T.49 S., R.42 E., Hydrologic Unit 03090202, 0.55 mi south of Oakland Park Boulevard (State Road 816), 0.01 mi west of Powerline Road (State Road 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 5.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum. Between February 21, 2001 and June 4, 2002, measuring point was top of base, 3.23 ft above land-surface datum. 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. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. The station was temporarily reconstructed between February 21, 2001 and June 4, 2002, to facilitate continuous water-level and conductivity monitoring. Data are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--October 1999 to January 2001 (monthly), February 2001 to June 2002 (monthly and daily), July 2002 to current year. See REMARKS.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.25 ft NGVD, Sept. 29, 2001; lowest, 0.30 ft NGVD, May 8, 2002.

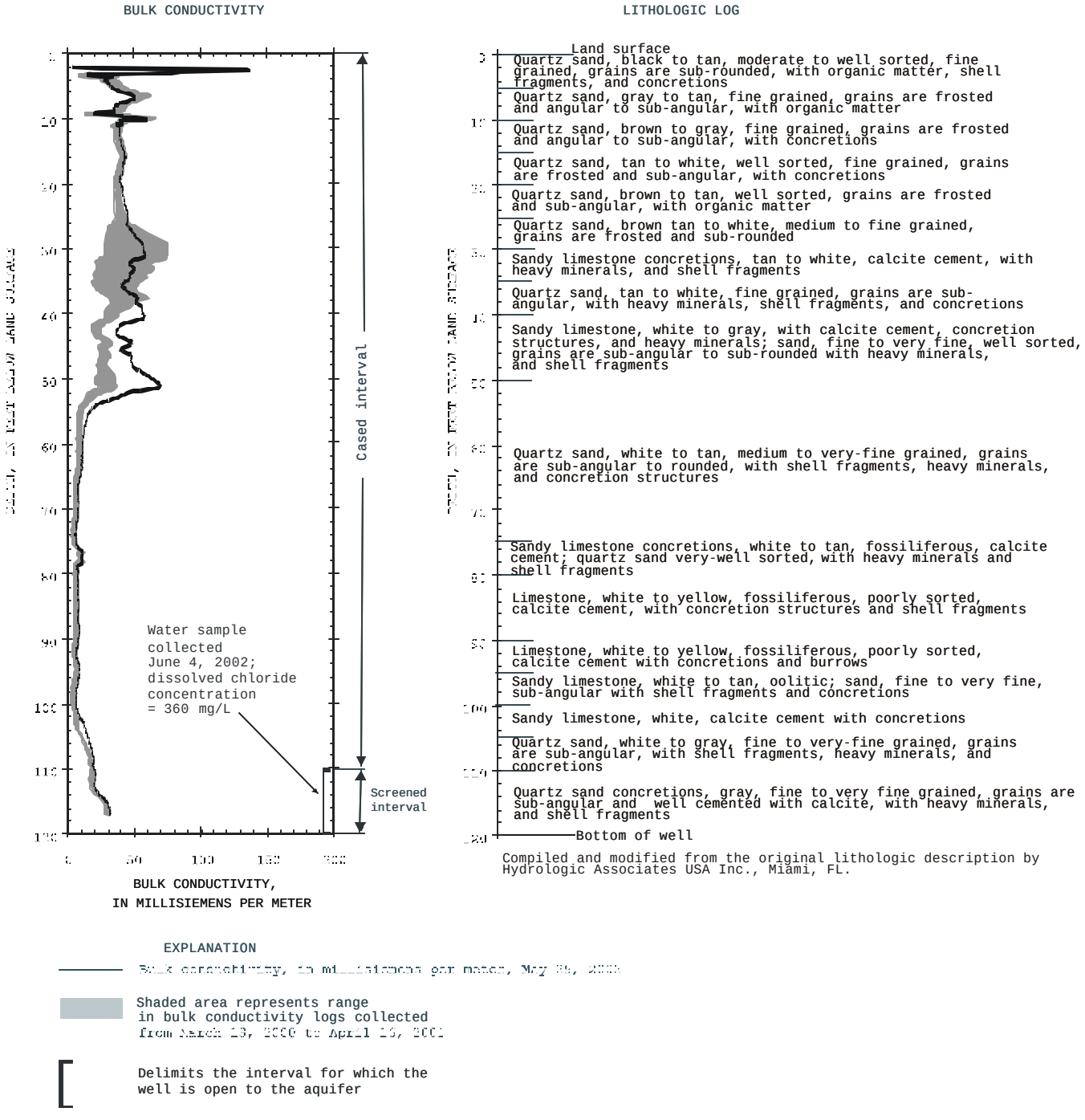
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
29...	1245	1700	370	2.34	01...	1228	1510	365	.40
29...	1300	1570	385	2.34	29...	1230	--	--	1.58
NOV					JUN				
19...	1410	--	--	1.94	04...	1030	1520	360	1.11
DEC					JUL				
07...	0932	--	--	1.39	24...	1440	1620	365	1.99
JAN					AUG				
15...	1044	1650	360	.70	23...	0950	--	--	1.63
MAR					SEP				
01...	1254	1520	365	1.32	23...	1107	--	--	1.77
28...	0946	1520	365	.82					



WELL NUMBER.--260920080092201. Local Number G 2898. USGS Observation Well near Fort Lauderdale, FL.

260920080092201 G-2898



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

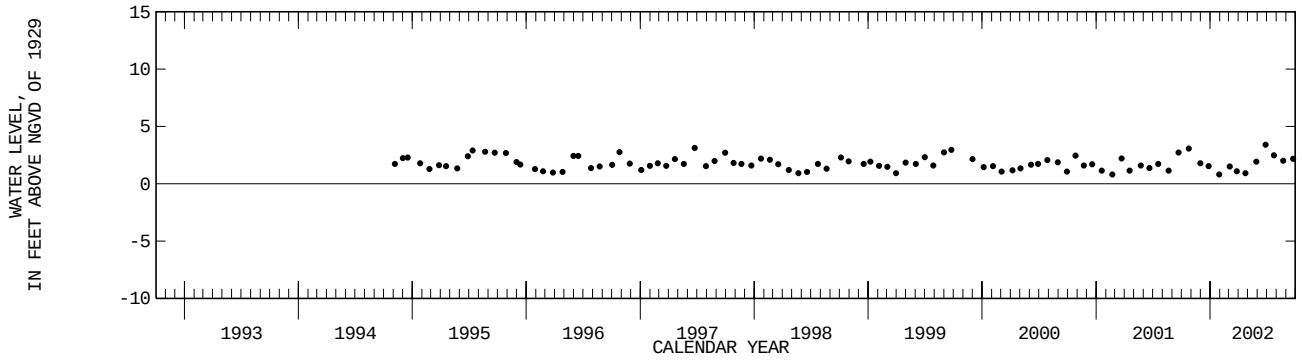
BROWARD COUNTY--Continued

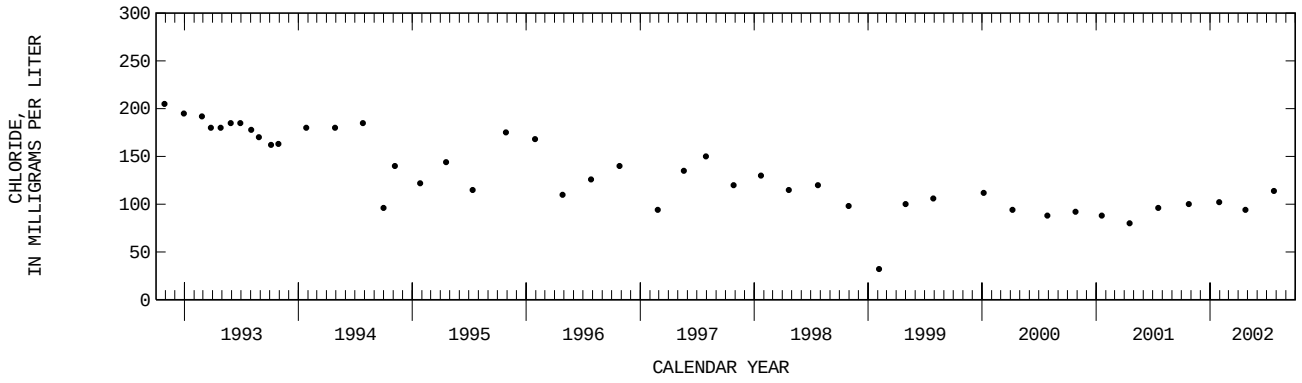
WELL NUMBER.--261018080091101. Local Number G 2180. USGS Observation Well in Oakland Park, FL.

LOCATION.--Lat 26°10'18", long 80°09'11", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.22, T.49 S., R.42 E., Hydrologic Unit 03090202, on the northeast corner of Lloyd Street and NW 36th Street in a 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 1974 to September 1994 (intermittent), November 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.40 ft NGVD, June 27, 2002; lowest, 0.82 ft NGVD, Feb. 21, 2001, and Jan. 29, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
24...	1447	751	100	3.07
NOV				
30...	1355	--	--	1.78
DEC				
27...	1103	--	--	1.53
JAN				
29...	--	696	102	.82
MAR				
04...	--	--	--	1.51
27...	1150	--	--	1.09
APR				
24...	1420	770	94.0	.92
MAY				
28...	1210	--	--	1.93
JUN				
27...	0959	--	--	3.40
JUL				
24...	1355	800	114	2.48
AUG				
23...	0940	--	--	2.02
SEP				
23...	1053	--	--	2.18





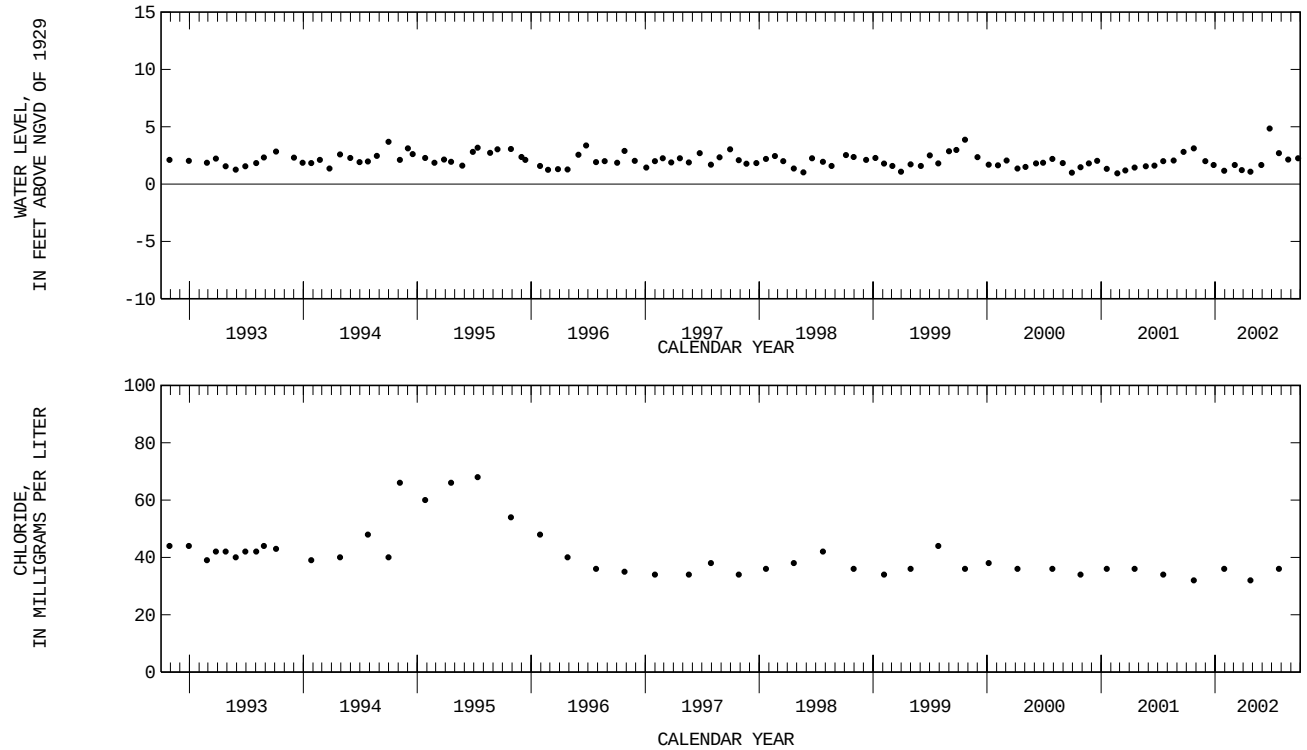
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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, 4.86 ft NGVD, June 24, 2002; lowest, 0.34 ft NGVD, Dec. 29, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
24...	1332	553	32.0	3.12
NOV				
30...	1342	--	--	1.99
DEC				
27...	1050	--	--	1.66
JAN				
29...	--	534	36.0	1.17
MAR				
04...	--	--	--	1.68
27...	1100	--	--	1.23
APR				
24...	1310	552	32.0	1.08
MAY				
28...	1120	--	--	1.68
JUN				
24...	1025	--	--	4.86
JUL				
24...	1257	558	36.0	2.70
AUG				
23...	0923	--	--	2.14
SEP				
23...	1028	--	--	2.25



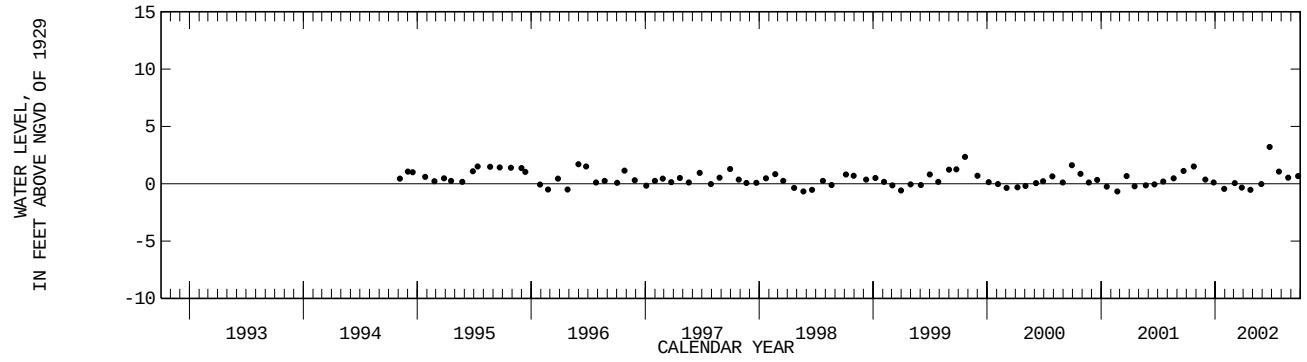
BROWARD COUNTY--Continued

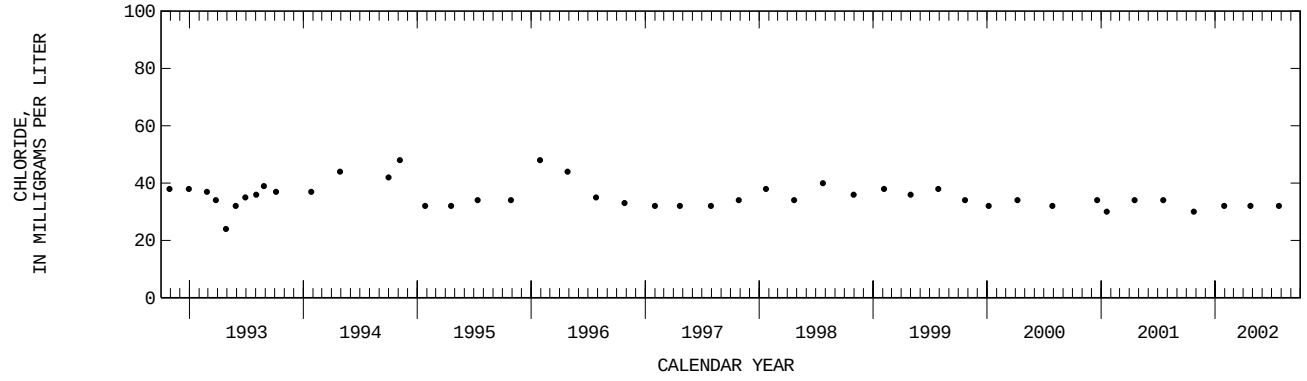
WELL NUMBER.--261026080100701. Local Number G 1347. USGS Observation Well in Oakland Park, FL.

LOCATION.--Lat 26°10'32", long 80°10'04", in NW $^1/_4$ SW $^1/_4$ SE $^1/_4$ 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.--February 1983 to September 1994 (intermittent), November 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.21 ft NGVD, June 24, 2002; lowest, 0.68 ft below NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
24...	1352	591	30.0	1.50
NOV				
30...	1346	--	--	.37
DEC				
27...	1055	--	--	.10
JAN				
29...	--	548	32.0	-.44
MAR				
04...	--	--	--	.06
27...	1111	--	--	-.33
APR				
24...	1330	565	32.0	-.53
MAY				
28...	1130	--	--	-.03
JUN				
24...	1040	--	--	3.21
JUL				
24...	1313	589	32.0	1.06
AUG				
23...	0930	--	--	.53
SEP				
23...	1035	--	--	.68





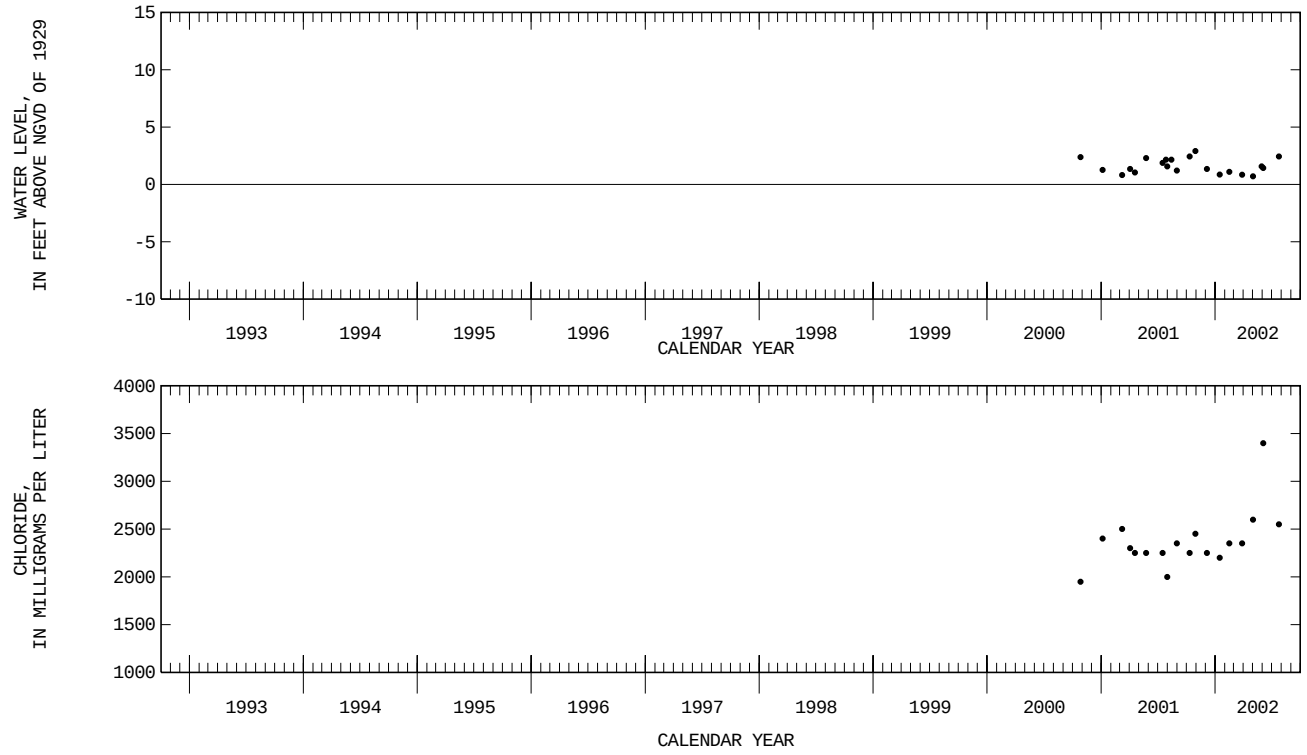
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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 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. Prior to February 2001 land-surface datum was 6.31 ft NGVD. 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 the book. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Station was reconstructed in February 2001, for a salt water intrusion modeling project. Quarterly water-level measurements began in October, 2000. Continuous water-level and conductivity data were collected from March, 2001 through June 2002, 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 daily maximum water level, 3.81 ft NGVD, Sept. 14, 2001; lowest, 0.53 ft NGVD, May 6-11, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

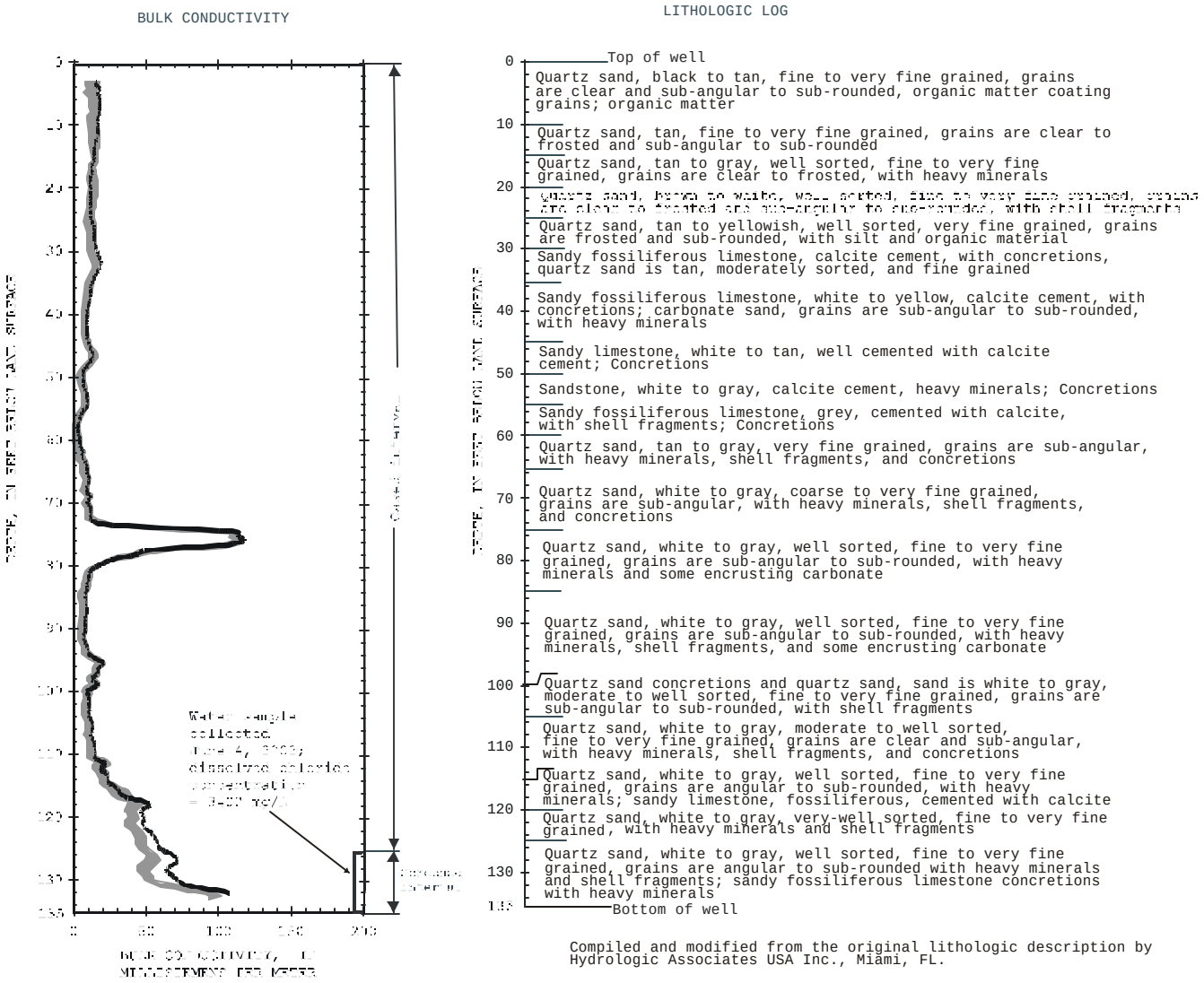
Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	ELEV-ATION ABOVE NGVD (FEET) (72020)	Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	ELEV-ATION ABOVE NGVD (FEET) (72020)
OCT					MAR				
11...	1053	7060	2250	2.45	28...	0812	7010	2350	.85
29...	0919	7030	2450	2.92	MAY				
DEC					02...	1010	7380	2600	.71
05...	1250	7310	2250	1.36	29...	0955	--	--	1.58
JAN					JUN				
15...	0900	7570	2200	.86	04...	0848	7680	3400	1.43
FEB					JUL				
15...	0900	7010	2350	1.10	24...	1151	7240	2550	2.44



BROWARD COUNTY--Continued

WELL NUMBER.--261030080083301. Local Number G 2897. USGS Observation Well near Oakland Park, FL.

261030080083301 G-2897



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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 29, 2002

Shaded area represents range in bulk conductivity logs collected from April 19, 2000 to April 18, 2002

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

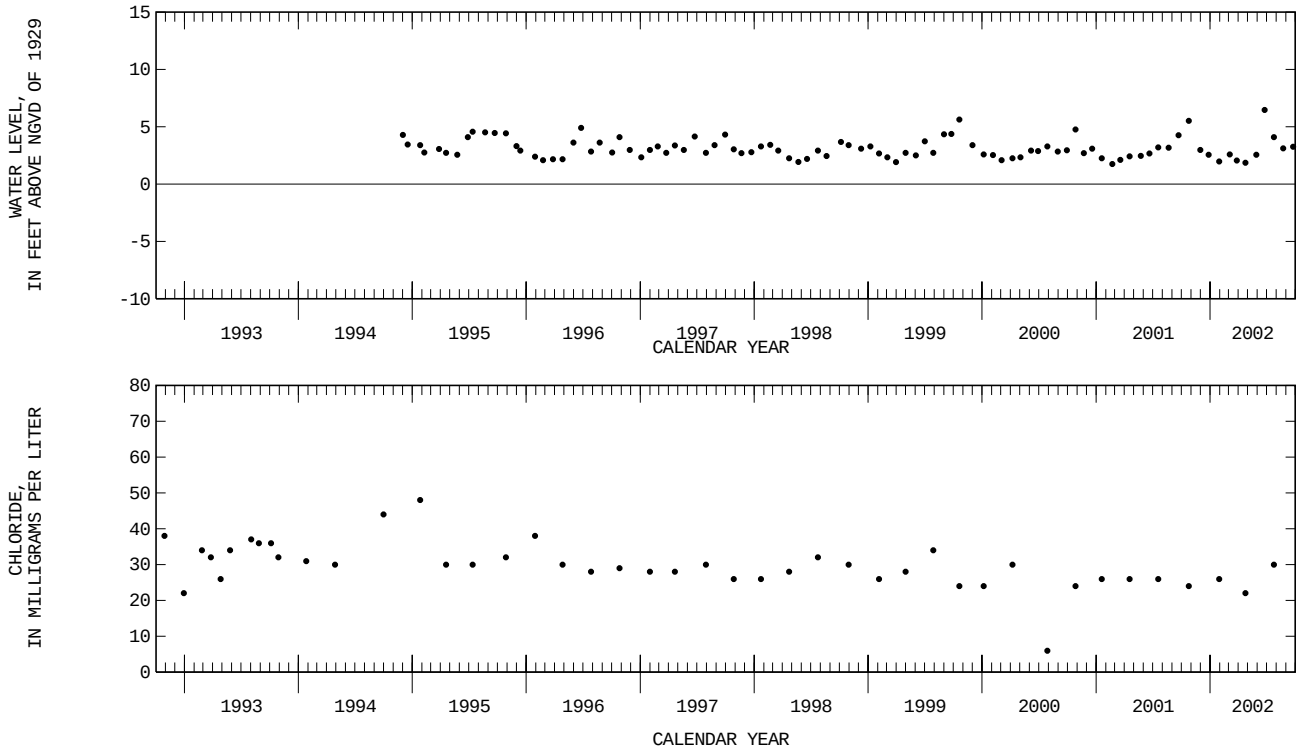
BROWARD COUNTY--Continued

WELL NUMBER.--261045080093501. Local Number G 2090. USGS Observation Well in Oakland Park, FL.

LOCATION.--Lat 26°10'45", long 80°09'36", in SE $^1/_4$ SW $^1/_4$ NW $^1/_4$ 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, 6.47 ft NGVD, June 24, 2002; lowest, 1.76 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
24...	1247	522	24.0	5.52	28...	1110	--	--	2.55
NOV					JUN				
30...	1335	--	--	2.97	24...	1015	--	--	6.47
DEC					JUL				
27...	1042	--	--	2.55	24...	1225	520	30.0	4.09
JAN					AUG				
29...	--	490	26.0	1.98	23...	0913	--	--	3.13
MAR					SEP				
04...	--	--	--	2.59	23...	1019	--	--	3.27
27...	1047	--	--	2.05					
APR									
24...	1235	510	22.0	1.86					



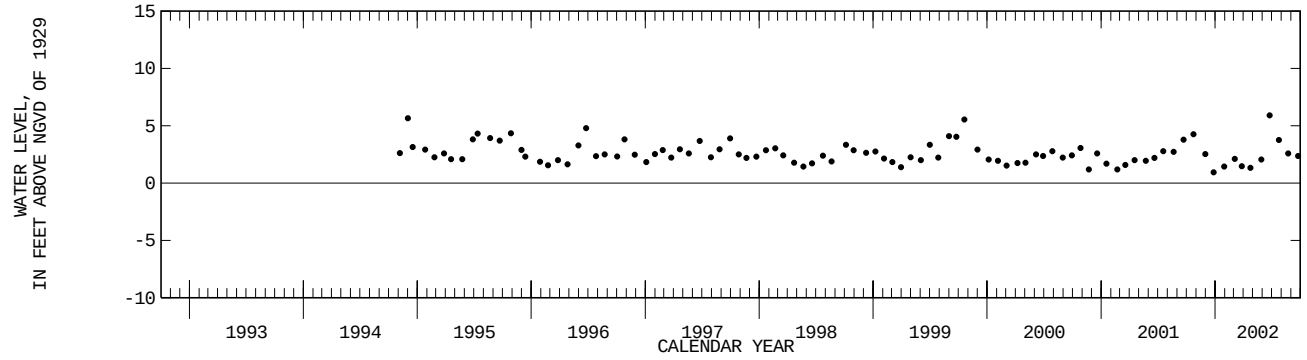
BROWARD COUNTY--Continued

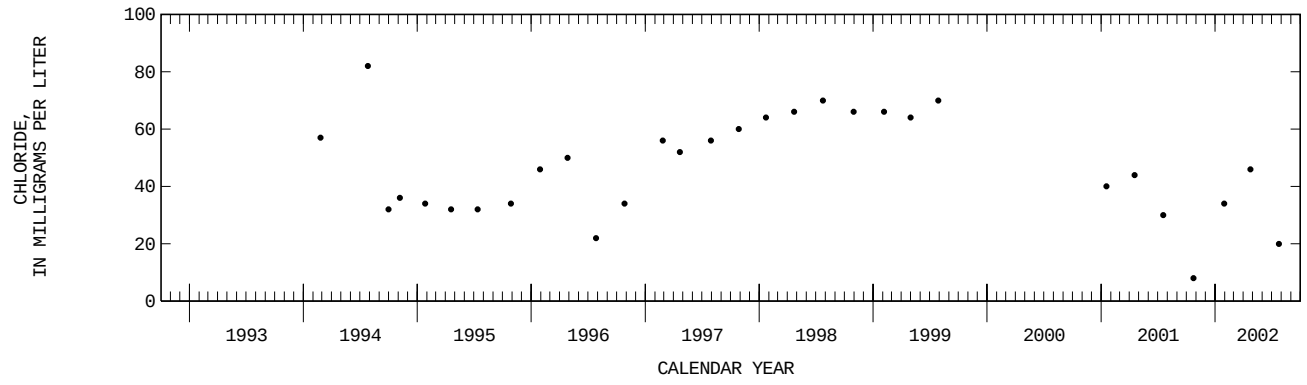
WELL NUMBER.--261100080140401. Local Number G 1212. USGS Observation Well near Fort Lauderdale, FL.

LOCATION.--Lat 26°10'59", long 80°09'04", in SW $^{1}/_{4}$ 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 3.0 in., depth 223 ft, cased to 221 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape.
DATUM.--Land-surface datum is 7.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft below land-surface datum. Prior to October 2001, land-surface datum was considered to be 7.32 ft NGVD and measuring point was considered to be at land-surface datum. See REMARKS.
REMARKS.--Well also used for salinity monitoring. In the 2002 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 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
23...	1222	286	8.0	4.26
NOV				
30...	1327	--	--	2.54
DEC				
27...	1033	--	--	.94
JAN				
29...	--	351	34.0	1.44
MAR				
04...	--	--	--	2.10
27...	1030	--	--	1.48
APR				
24...	1142	430	46.0	1.33
MAY				
28...	1222	--	--	2.06
JUN				
24...	1000	--	--	5.92
JUL				
24...	1059	279	20.0	3.77
AUG				
23...	0900	--	--	2.60
SEP				
23...	1005	--	--	2.37





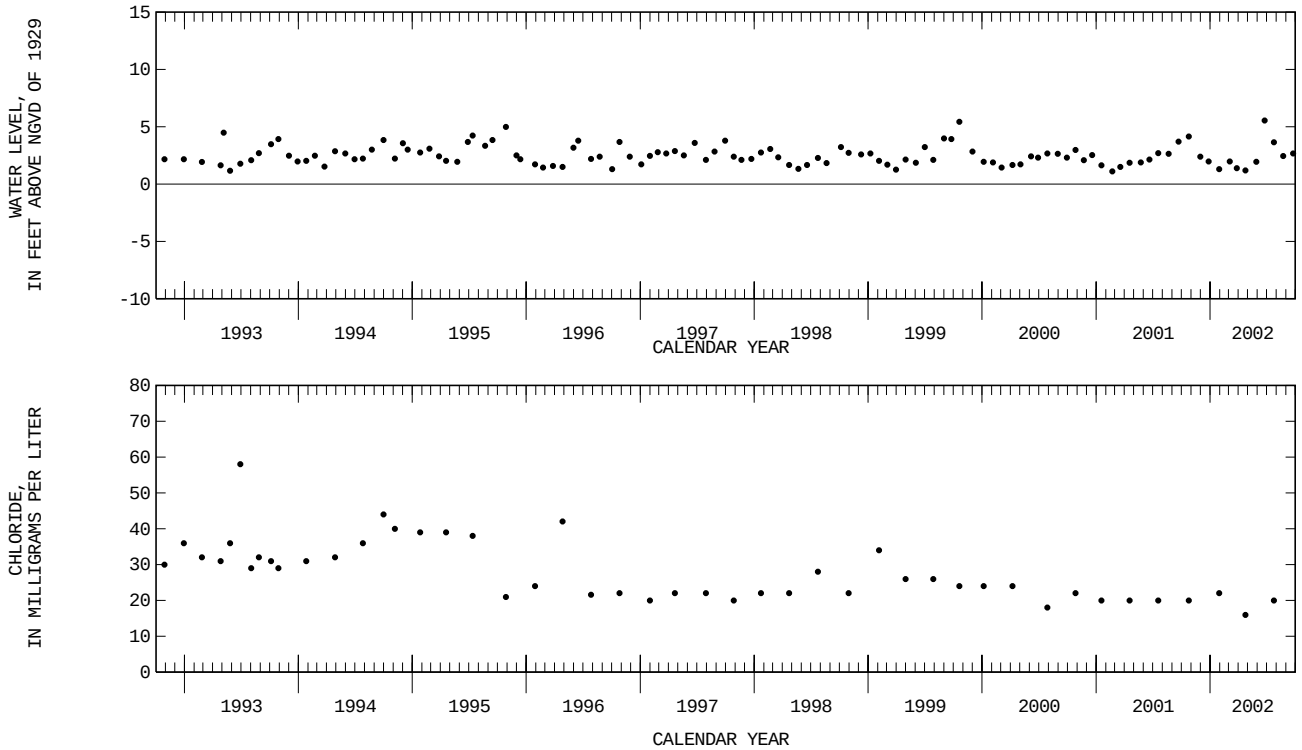
BROWARD COUNTY--Continued

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, 5.55 ft NGVD, June 24, 2002; lowest, 1.10 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
24...	1217	531	20.0	4.14	28...	1230	--	--	1.94
NOV					JUN				
30...	1326	--	--	2.39	24...	1005	--	--	5.55
DEC					JUL				
27...	1030	--	--	1.96	24...	1105	496	20.0	3.64
JAN					AUG				
29...	--	492	22.0	1.31	23...	0903	--	--	2.44
MAR					SEP				
04...	--	--	--	1.96	23...	1009	--	--	2.68
27...	1038	--	--	1.38					
APR									
24...	1138	500	16.0	1.20					



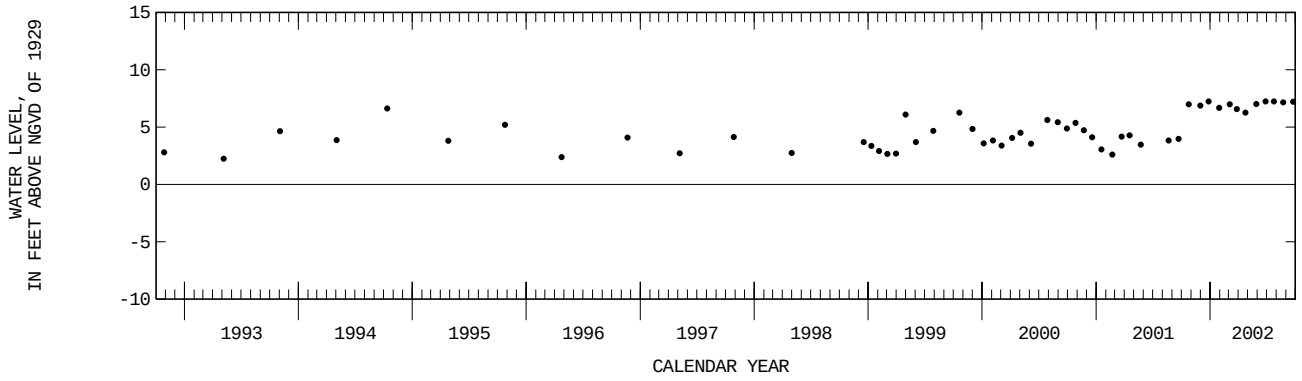
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.15, T.49 S., R.42 E., Hydrologic Unit 03090202, 12.4 ft north of centerline of NW 51st Court and approximately 1,200 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, cased to 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, estimated to be greater than 7.24 ft NGVD because of flooding, June 27, and July 24, 2002; lowest, 1.86 ft NGVD, May 16, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
24...	1147	6.99	28...	1246	7.02
NOV			JUN		
30...	1312	6.88	27...	0940	>7.24
DEC			JUL		
27...	1012	7.24	24...	1030	>7.24
JAN			AUG		
29...	--	6.69	23...	0844	7.15
MAR			SEP		
04...	--	6.99	23...	0945	7.22
27...	1009	6.58			
APR					
24...	1058	6.26			



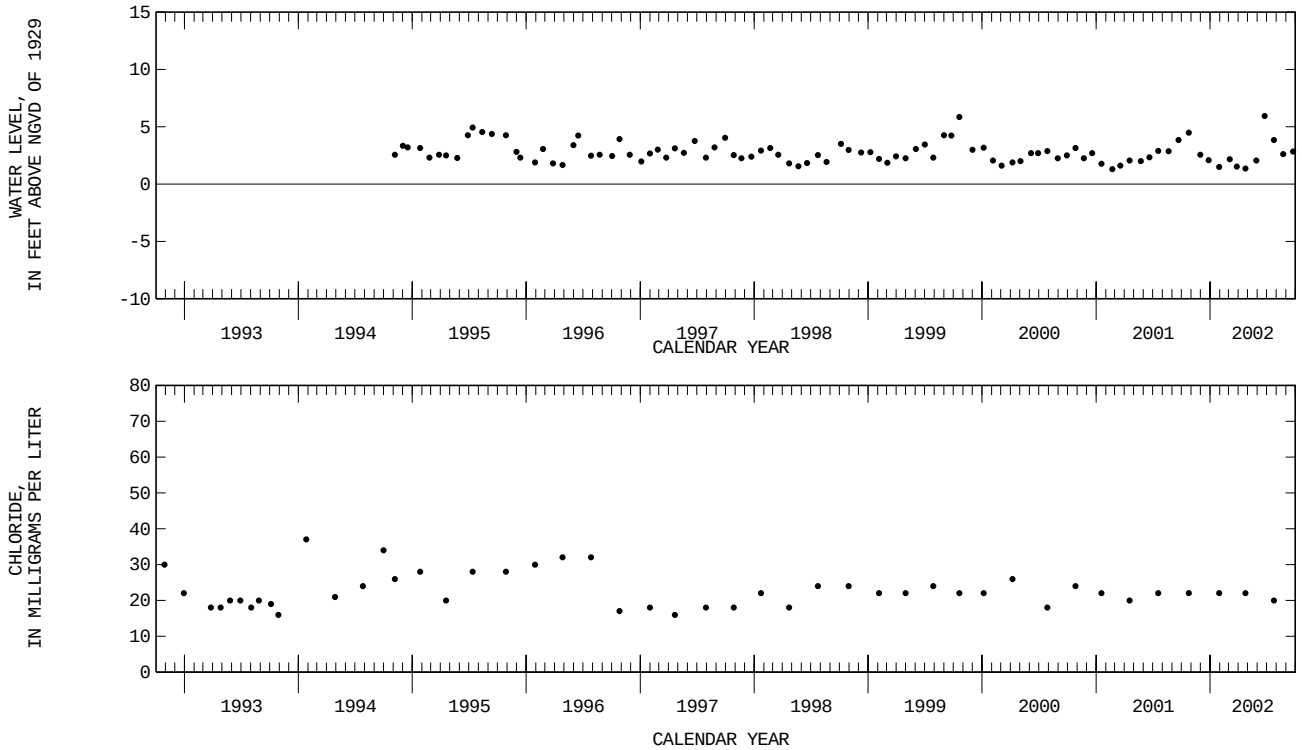
BROWARD COUNTY--Continued

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.
PERIOD OF RECORD.--April 1964 to September 1994 (intermittent), November 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.93 ft NGVD, June 24, 2002; lowest, 1.30 ft NGVD, Feb. 21, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
24...	1155	390	22.0	4.48	28...	1305	--	--	2.05
NOV					JUN				
30...	1320	--	--	2.57	24...	0945	--	--	5.93
DEC					JUL				
27...	1018	--	--	2.08	24...	1036	390	20.0	3.83
JAN					AUG				
29...	--	368	22.0	1.51	23...	0851	--	--	2.61
MAR					SEP				
04...	--	--	--	2.18	23...	0950	--	--	2.83
27...	1017	--	--	1.54					
APR									
24...	1112	374	22.0	1.37					



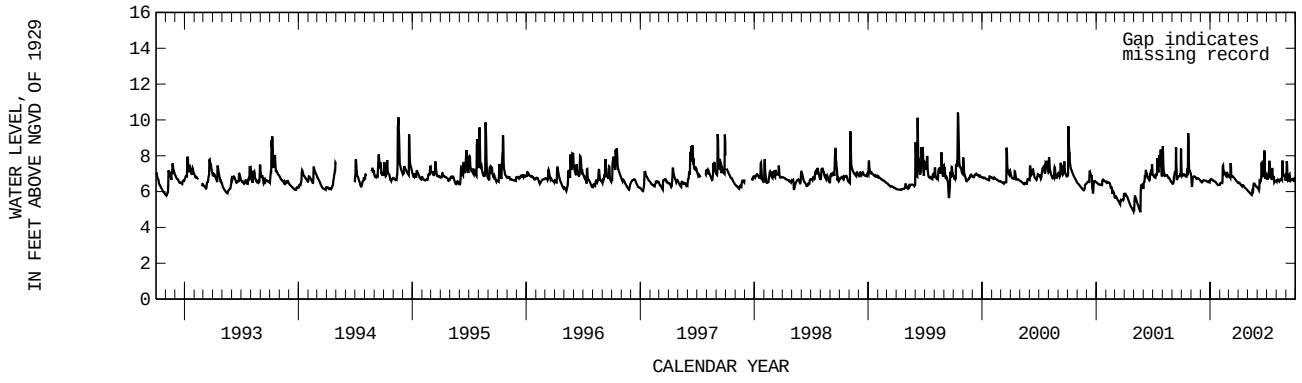
BROWARD COUNTY--Continued

WELL NUMBER.--261141080163401. Local Number G 2033. USGS Observation Well in Tamarac, FL.

LOCATION.--Lat 26°11'41", long 80°16'34", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ SE $^{1}/_{4}$ 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. Highway 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. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.94	6.71	6.51	6.66	6.48	6.80	6.48	5.98	6.11	6.82	6.67	6.90
10	6.96	6.85	6.63	6.61	7.44	6.84	6.36	5.88	6.54	7.43	6.57	6.70
15	6.83	6.79	6.61	6.57	7.01	6.83	6.36	5.86	7.62	6.68	6.64	6.62
20	7.11	6.75	6.58	6.48	6.92	6.72	6.25	6.44	6.94	6.76	7.73	6.71
25	7.23	6.71	6.54	6.37	7.00	6.62	6.17	6.37	7.20	6.51	6.90	6.60
EOM	6.96	6.61	6.63	6.37	6.87	6.48	6.08	6.24	6.90	6.60	6.65	6.73
MAX	9.26	6.85	6.63	6.70	7.47	7.59	6.49	6.45	8.29	7.72	7.73	7.70



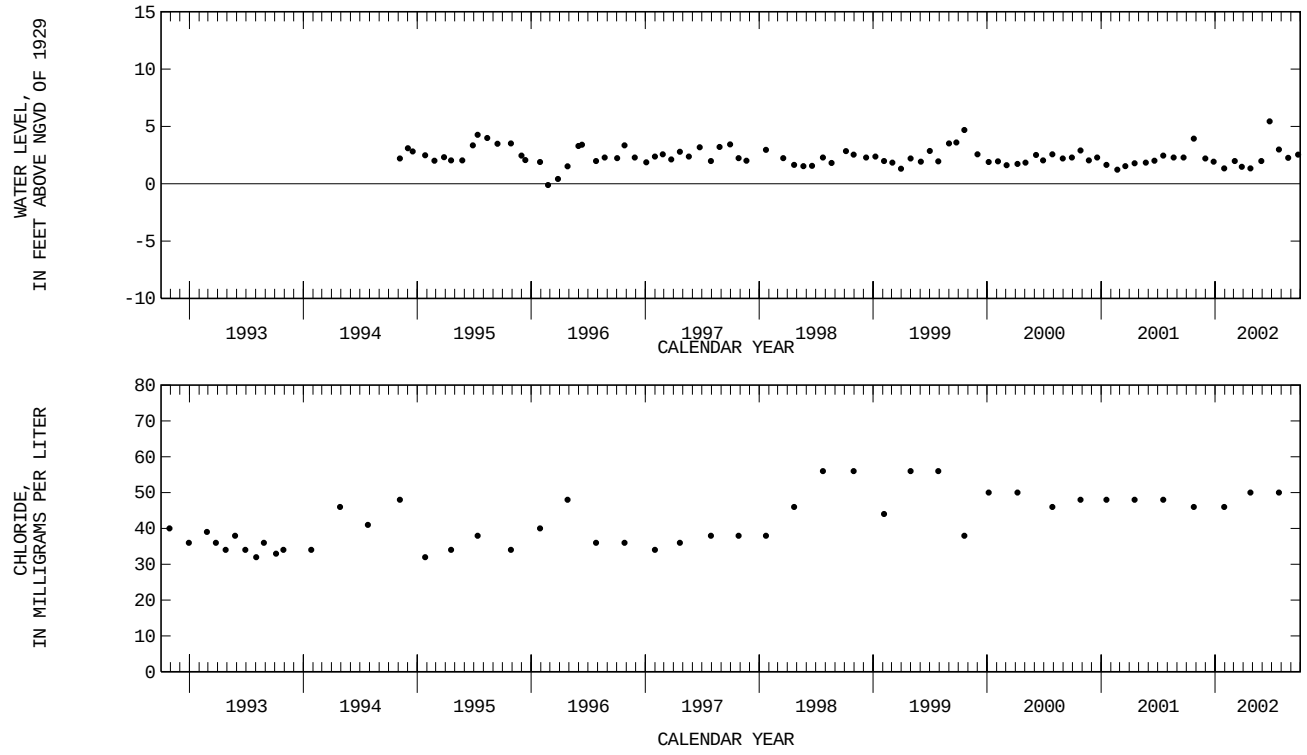
BROWARD COUNTY--Continued

WELL NUMBER.--261143080082901. Local Number G 1340. USGS Observation Well in Fort Lauderdale, FL.

LOCATION.--Lat 26°11'43", long 80°08'29", NE $^1/_4$ NE $^1/_4$ NW $^1/_4$ 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.--February 1968 to July 1994 (intermittent), November 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.44 ft NGVD, June 24, 2002; lowest, 0.10 ft below NGVD, Feb. 23, 1996.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
24...	1106	547	46.0	3.94
NOV				
30...	1250	--	--	2.20
DEC				
27...	1005	--	--	1.94
JAN				
29...	--	530	46.0	1.34
MAR				
04...	--	--	--	1.98
27...	0930	--	--	1.48
APR				
24...	1020	543	50.0	1.33
MAY				
28...	1324	--	--	1.99
JUN				
24...	0925	--	--	5.44
JUL				
24...	0923	552	50.0	2.98
AUG				
23...	0828	--	--	2.25
SEP				
23...	0930	--	--	2.53



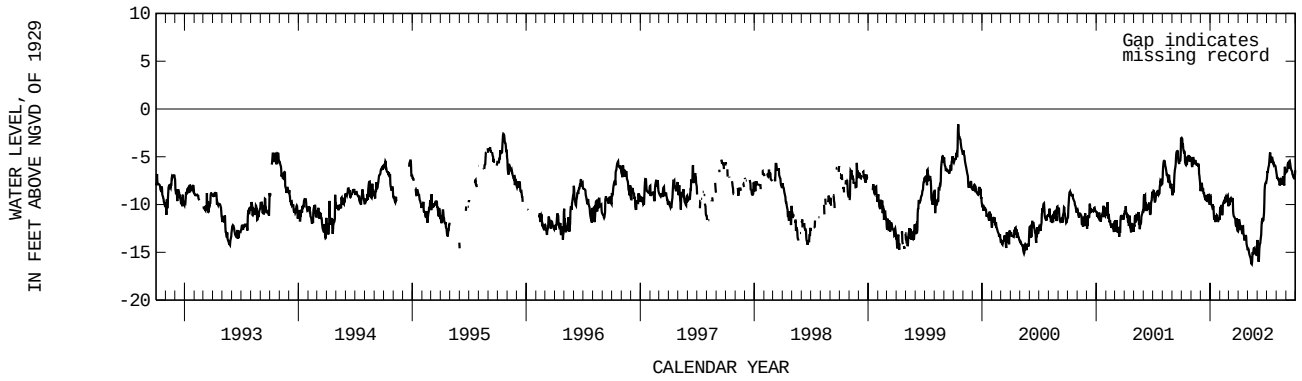
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.7, T.49 S., R.42 E., Hydrologic Unit 03090202, 0.25 mi north of Prospect Road and 0.75 mi east of U.S. Highway 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. Prior to November 23, 1990, top of base was 3.00 ft above land-surface datum.
PERIOD OF RECORD.--February 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 0.82 ft below NGVD, Sept. 20, 1985; lowest, 15.13 ft below NGVD, May 14, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-3.62	-5.82	-7.82	-10.07	-10.21	-9.65	-11.82	-15.03	-15.99	-6.38	-7.22	-6.26
10	-4.44	-5.57	-8.82	-10.24	-10.15	-9.60	-12.37	-15.61	-14.05	-5.07	-7.56	-6.25
15	-5.86	-5.54	-9.36	-11.28	-9.80	-10.70	-12.27	-15.96	-11.77	-5.04	-7.32	-5.98
20	-4.97	-5.75	-9.23	-11.30	-9.49	-11.38	-13.68	-14.59	-11.63	-5.48	-7.94	-6.51
25	-5.20	-5.85	-9.10	-11.69	-9.10	-12.24	-13.18	-15.08	-8.03	-5.86	-7.85	-7.14
EOM	-5.19	-8.23	-9.31	-11.58	-10.18	-12.81	-14.59	-14.30	-7.48	-6.46	-6.64	-6.41
MAX	-3.01	-5.02	-7.82	-9.08	-9.05	-9.31	-11.54	-14.30	-7.48	-4.56	-6.05	-5.51



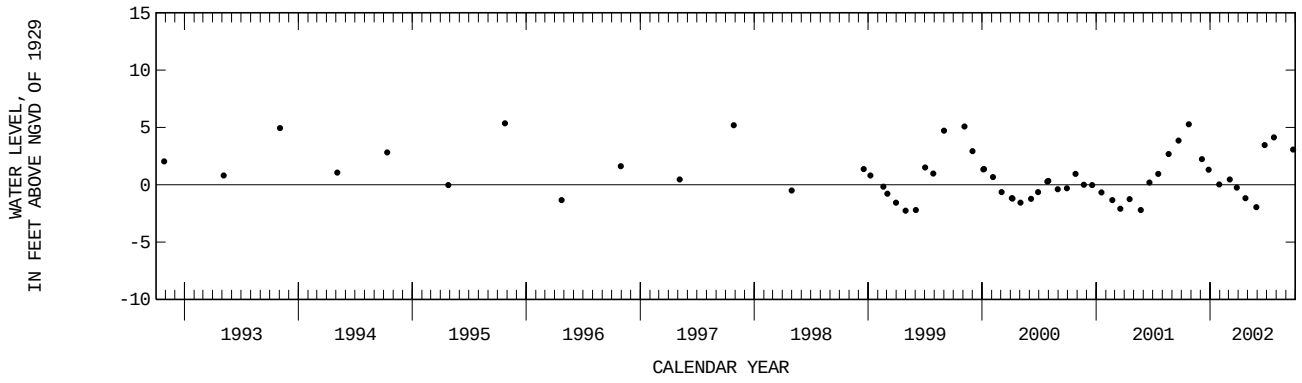
BROWARD COUNTY--Continued

WELL NUMBER.--261207080103701. Local Number G 2433. USGS Observation Well near Lauderdale Lakes, FL.

LOCATION.--26°12'07", long 80°10'37", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
24...	0956	5.28	24...	0905	-1.16
DEC			MAY		
05...	0940	2.24	28...	1352	-1.94
27...	0949	1.32	JUN		
JAN			24...	0910	3.45
29...	--	.04	JUL		
MAR			24...	0815	4.12
04...	--	.46	SEP		
27...	0910	-.24	23...	0845	3.06



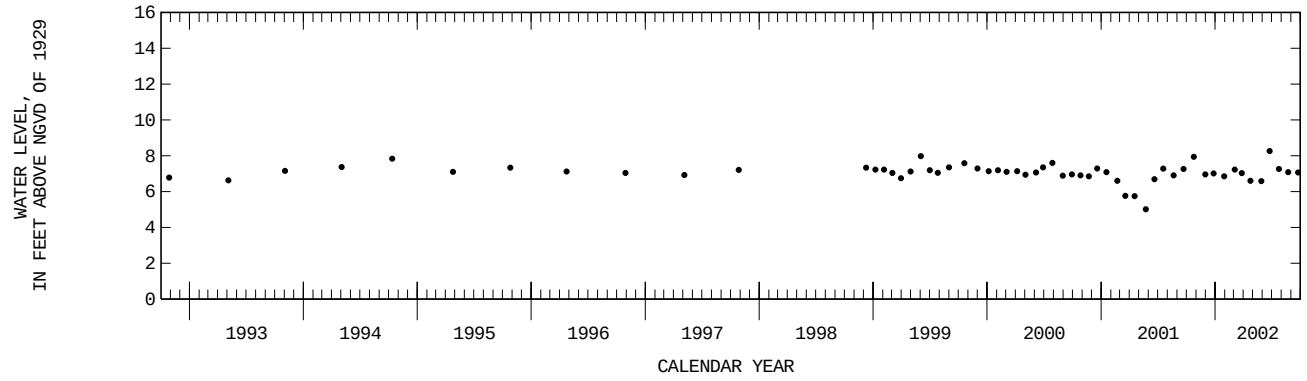
BROWARD COUNTY--Continued

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, 8.26 ft NGVD, June 24, 2002; lowest, 3.98 ft NGVD, May 7, 1986.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
24...	0916	7.94	28...	1453	6.58
NOV			JUN		
30...	1153	6.96	24...	0815	8.26
DEC			JUL		
27...	0923	7.01	24...	0730	7.26
JAN			AUG		
29...	--	6.86	23...	0730	7.08
MAR			SEP		
04...	--	7.22	23...	0756	7.06
27...	0815	7.03			
APR					
24...	0817	6.60			



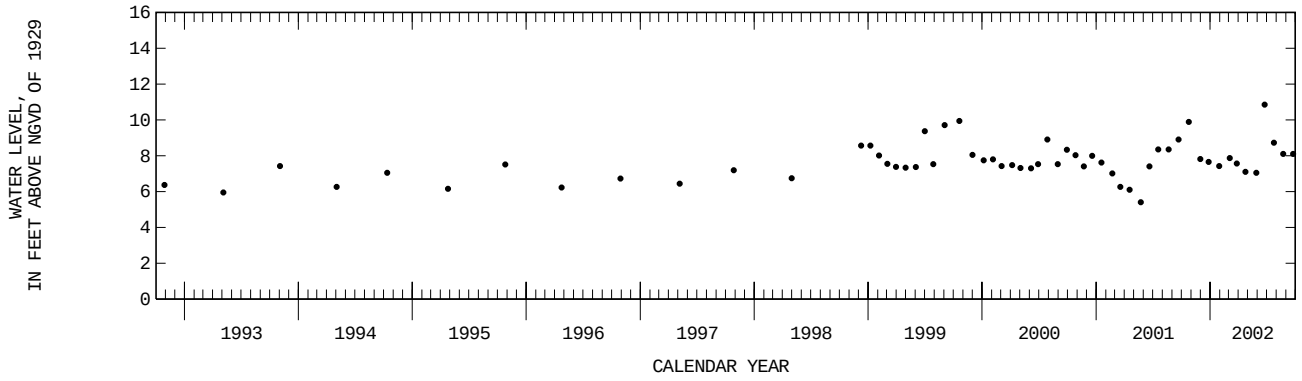
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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, 10.86 ft NGVD, June 24, 2002; lowest, 5.15 ft NGVD, Oct. 17, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
24...	0936	9.89	28...	1420	7.05
NOV			JUN		
30...	1226	7.81	24...	0845	10.86
DEC			JUL		
27...	0938	7.66	24...	0805	8.73
JAN			AUG		
29...	--	7.43	23...	0800	8.11
MAR			SEP		
04...	--	7.88	23...	0827	8.11
27...	0840	7.57			
APR					
24...	0844	7.11			



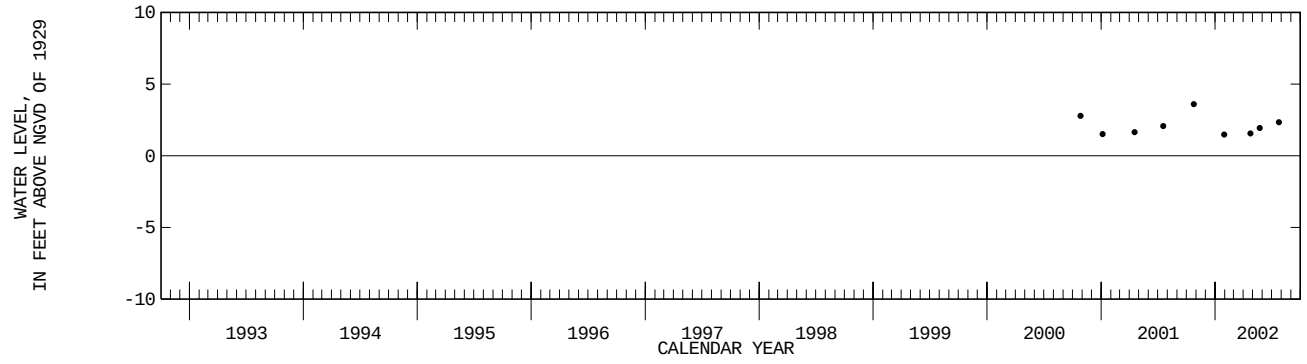
BROWARD COUNTY--Continued

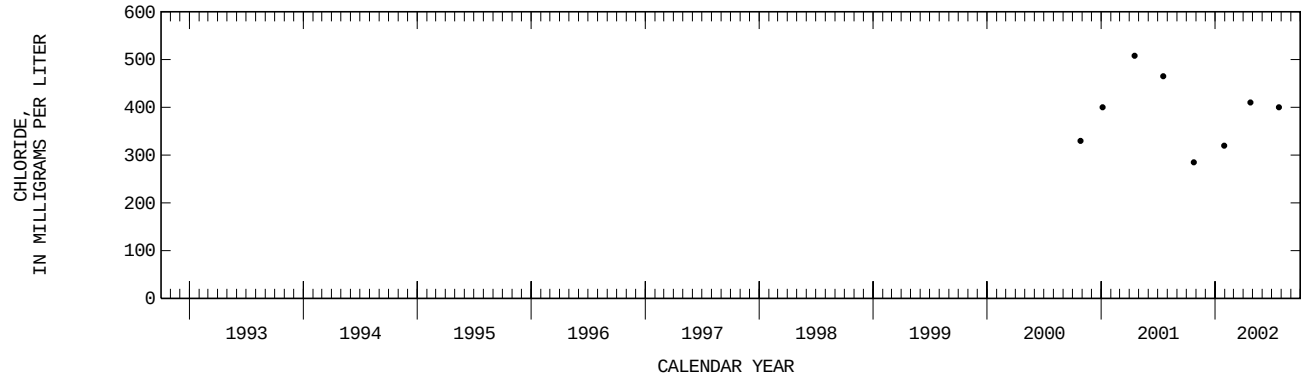
WELL NUMBER.--261304080072501. Local Number G 2896. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°13'04", long 80°07'26", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 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. A calibration error was found to have affected some of the historical bulk conductivity logs collected by an induction logger. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 3.60 ft NGVD, Oct. 24, 2001; lowest, 1.48 ft NGVD, Jan. 29, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

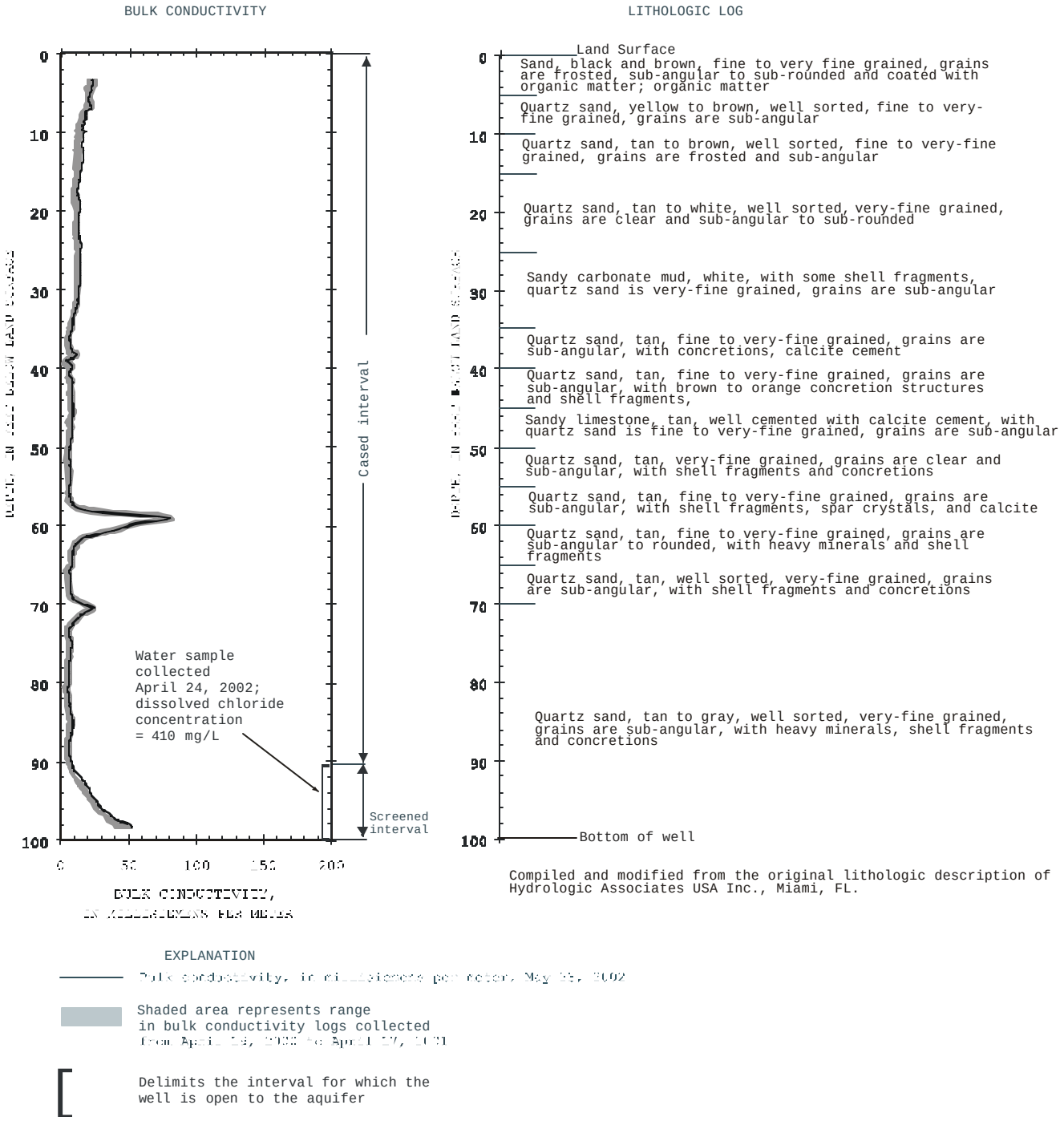
Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	ELEV-ATION ABOVE NGVD (FEET) (72020)	Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	ELEV-ATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
24...	1042	1290	285	3.60	23...	1315	--	--	1.93
JAN					JUL				
29...	1054	1330	320	1.48	24...	0845	1580	400	2.33
APR									
24...	0950	1670	410	1.55					





WELL NUMBER.--261304080072501. Local Number G 2896. USGS Observation Well near Pompano Beach, FL.

261304080072501 G-2896



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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 06, 2002

Shaded area represents range in bulk conductivity logs collected from April 24, 2002 to April 27, 2021

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

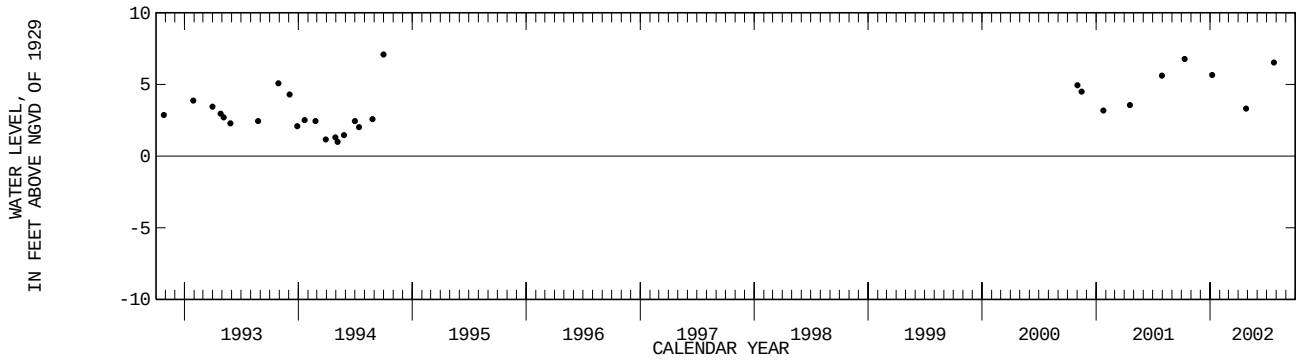
BROWARD COUNTY--Continued

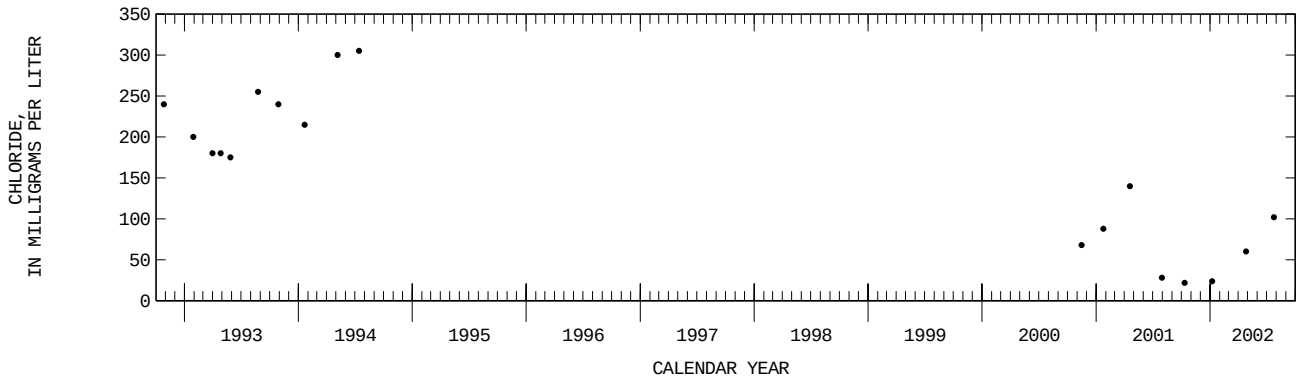
WELL NUMBER.--261403080070801. Local Number G 2149. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°14'02", long 80°07'09", in NE $^1/_4$ SE $^1/_4$ SE $^1/_4$ sec. 35, T.48 S., R.42 E., Hydrologic Unit 03090202, at the NW corner of NE 3rd Street and NE 5th Avenue, 8.8 ft from edge of street.
AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 137 ft.
INSTRUMENTATION.--Quarterly measurement with chalked tape.
DATUM.--Land-surface datum is 17.39 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.
PERIOD OF RECORD.--October 1974 to April 1975 (quarterly), October 1975 to September 1977 (monthly), October 1977 to August 1993 (bimonthly), October 1993 to September 1994 (monthly), November 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.08 ft NGVD, Sept. 30, 1994; lowest, 0.51 ft NGVD, June 13, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
11...	1217	470	22.0	6.77	26...	1508	557	60.0	3.31
JAN					JUL				
07...	1325	486	24.0	5.65	24...	1540	622	102	6.53





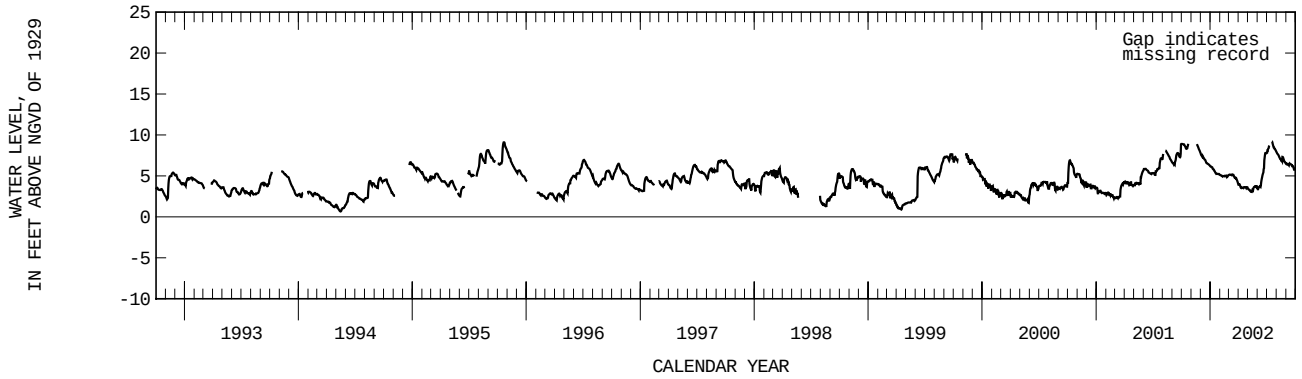
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.88	---	7.41	6.07	5.05	5.15	3.96	3.31	3.56	8.27	7.66	6.40
10	8.76	---	7.24	5.81	4.97	5.13	3.52	3.11	3.71	---	7.30	6.30
15	8.34	---	6.97	5.57	4.96	5.12	3.57	3.11	4.67	---	6.97	6.45
20	8.59	8.78	6.57	5.24	5.01	4.79	3.63	3.58	5.43	8.89	7.32	6.21
25	---	8.29	6.45	5.25	4.94	4.70	3.63	3.74	7.53	8.39	6.91	5.97
EOM	---	7.86	6.22	5.15	5.07	4.05	3.59	3.62	7.77	8.00	6.51	5.82
MAX	---	---	7.74	6.17	5.11	5.17	3.97	3.74	7.80	---	7.92	6.52



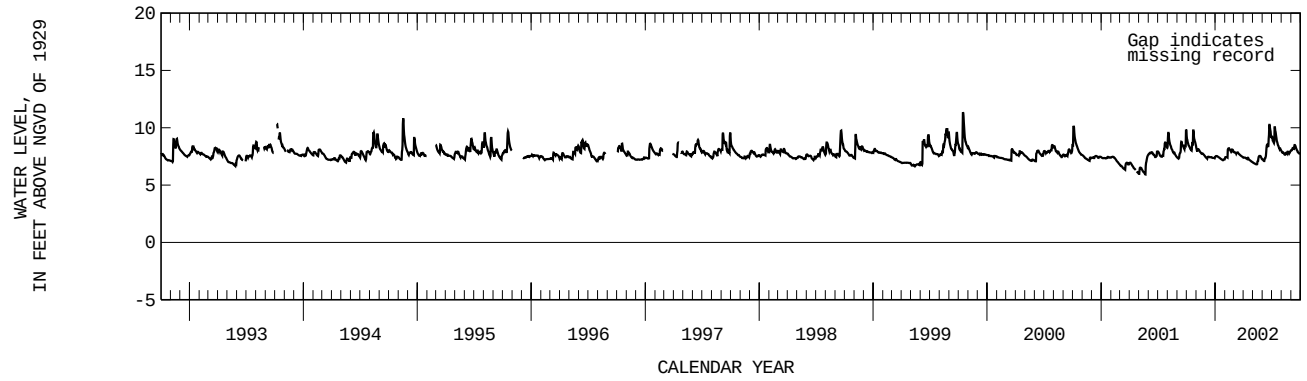
BROWARD COUNTY--Continued

WELL NUMBER.--261441080111301. Local Number G 1316. USGS Observation Well near Margate, FL.

LOCATION.--Lat 26°14'41", long 80°11'13", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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. Prior to November 1997, top of base was 2.46 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.--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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.69	8.12	7.33	7.53	7.44	7.84	7.40	6.91	7.12	8.86	7.85	8.16
10	8.34	8.05	7.47	7.46	8.08	7.79	7.32	6.83	7.34	10.04	7.70	8.16
15	8.07	7.84	7.43	7.37	8.14	7.80	7.38	6.82	8.47	9.25	7.80	8.39
20	8.67	7.76	7.43	7.26	7.93	7.66	7.19	7.46	8.45	8.55	7.75	8.02
25	9.06	7.65	7.37	7.17	8.09	7.54	7.10	7.54	10.01	8.20	7.82	7.82
EOM	8.43	7.47	7.41	7.25	7.94	7.41	7.00	7.25	9.10	8.02	8.01	7.71
MAX	9.76	8.25	7.47	7.53	8.21	7.88	7.40	7.54	10.25	10.04	8.01	8.49



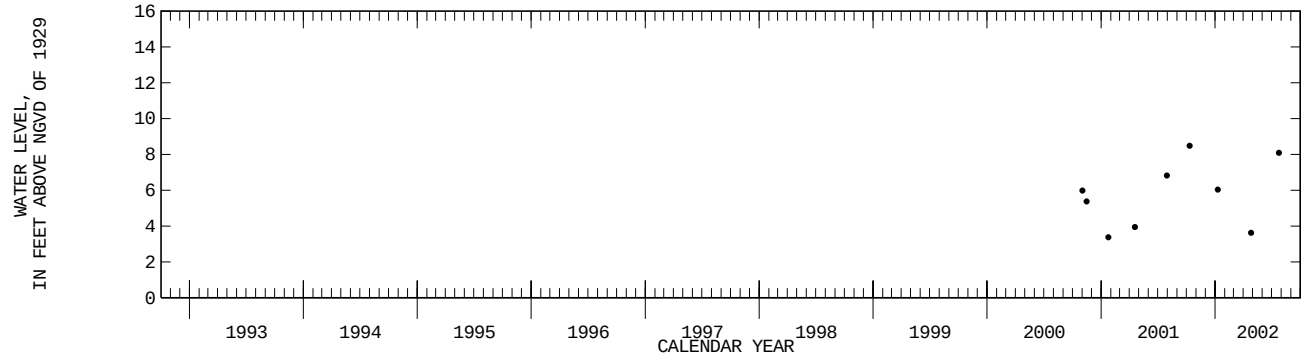
BROWARD COUNTY--Continued

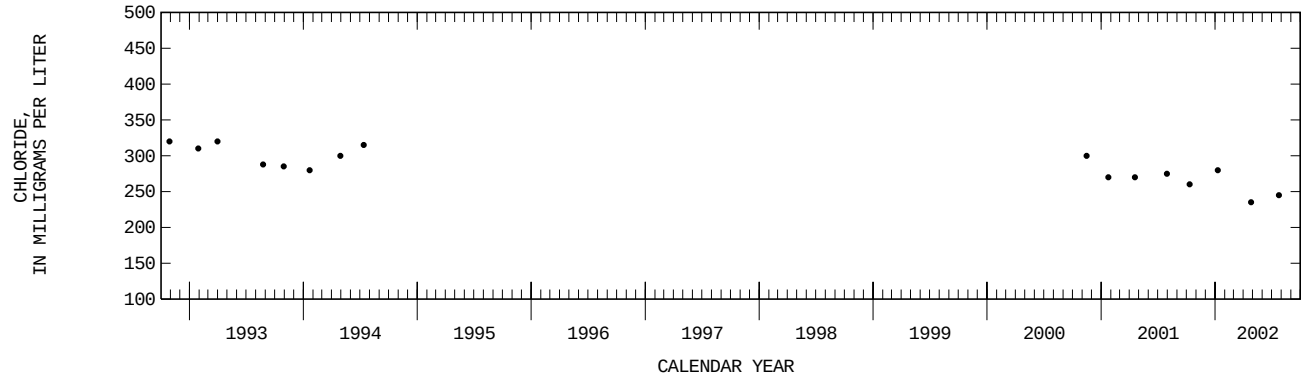
WELL NUMBER.--261446080062801. Local Number G 2445. USGS Observation Well in Pompano Beach, FL.

LOCATION.--Lat 26°14'46", long 80°06'28", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Highway 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. Prior to November 2000 only chloride data published.
PERIOD OF RECORD.--November 1986 to July 1994 (intermittent), November 2000 to current year. See REMARKS.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.49 ft NGVD, Oct. 11, 2001; lowest, 3.37 ft NGVD, Jan. 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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				
11...	1145	1040	260	8.49	26...	1430	1350	235	3.62
JAN					JUL				
09...	1300	1440	280	6.03	24...	1455	1310	245	8.09





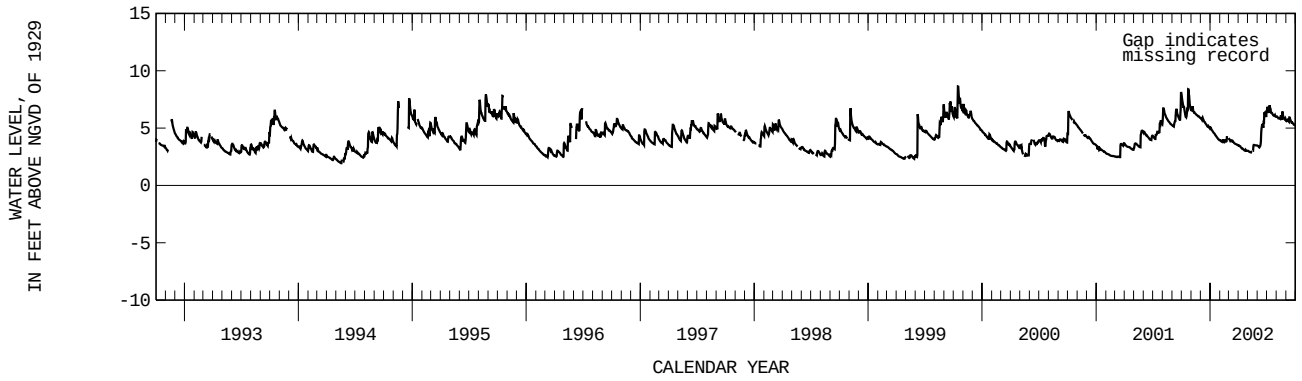
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.30, T.48 S., R.43 E., Hydrologic Unit 03090202, 200 ft west of US Highway 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. Prior to September 1990, measuring point was top of casing 2.50 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.12	6.90	5.73	4.85	3.85	3.92	3.43	2.95	3.38	6.65	5.93	5.71
10	6.59	6.36	5.72	4.66	3.95	3.87	3.29	2.89	3.45	7.00	5.86	5.55
15	6.02	6.24	5.50	4.50	3.81	3.82	3.20	2.92	5.12	6.33	6.10	5.70
20	6.58	6.11	5.27	4.28	3.84	3.66	3.07	3.53	5.03	6.19	6.45	5.52
25	7.86	6.02	5.11	4.10	4.20	3.59	3.08	3.50	6.35	6.07	5.87	5.32
EOM	6.57	5.88	5.08	3.94	4.12	3.49	3.02	3.48	6.31	6.00	5.72	5.20
MAX	8.39	6.90	5.93	5.08	---	4.08	3.50	---	6.37	7.00	6.45	5.93



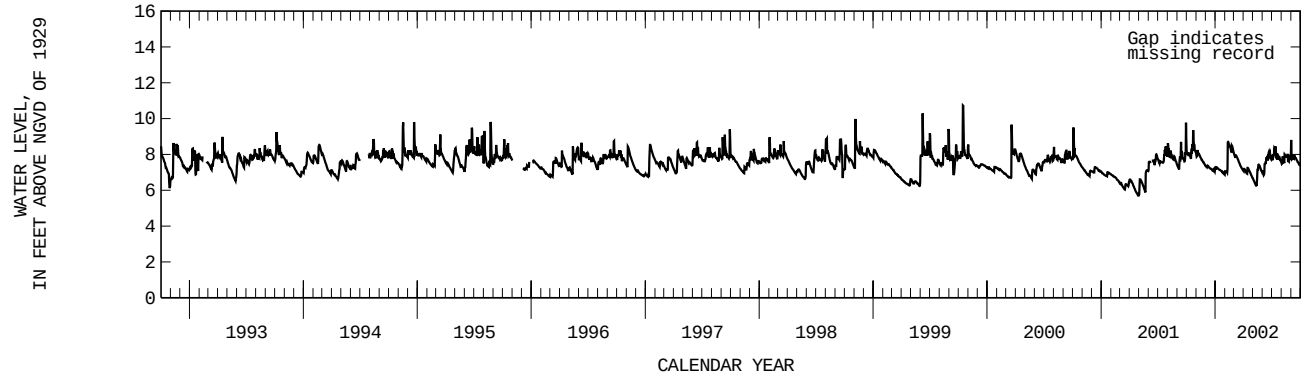
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Highway 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.03	8.25	7.28	7.24	7.06	7.87	7.17	6.52	6.84	7.82	7.89	7.74
10	8.06	8.01	7.33	7.20	8.68	7.90	7.00	6.30	7.48	8.32	7.51	7.78
15	7.75	7.82	7.23	7.13	8.47	7.70	7.25	6.69	7.74	7.98	7.88	7.81
20	8.19	7.67	7.18	7.08	8.25	7.48	7.08	7.43	7.78	7.79	7.98	7.66
25	8.56	7.54	7.08	7.00	8.40	7.28	6.90	7.27	8.13	7.75	7.60	7.50
EOM	8.07	7.37	7.22	6.87	8.16	7.11	6.69	7.10	7.92	7.57	7.79	7.36
MAX	9.36	8.25	7.38	7.28	8.70	8.09	7.25	7.43	8.15	8.45	8.01	8.81



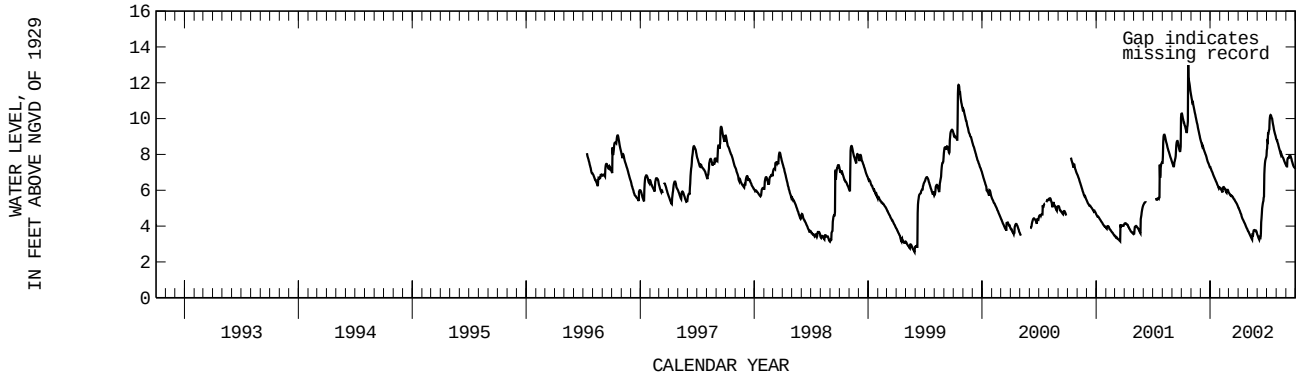
BROWARD COUNTY--Continued

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 $^1/_4$ SE $^1/_4$ SW $^1/_4$ 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. Prior to May 31, 2000, top of base was 3.08 ft above land-surface datum.
PERIOD OF RECORD.--July 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.40 ft NGVD, Oct. 22, 2001; lowest, 2.55 ft NGVD, May 29, 1999.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.01	10.96	8.53	7.09	6.03	5.76	4.87	3.62	3.31	9.16	8.64	7.72
10	9.68	10.54	8.35	6.87	6.14	5.67	4.65	3.43	3.42	9.88	8.32	7.82
15	9.36	10.10	8.09	6.67	6.11	5.60	4.38	3.25	4.68	10.15	8.00	7.92
20	9.61	9.71	7.83	6.47	5.95	5.45	4.20	3.76	5.40	9.76	7.87	7.60
25	12.07	9.27	7.53	6.26	6.02	5.30	3.99	3.76	7.50	9.30	7.68	7.34
EOM	11.34	8.86	7.29	6.13	5.91	5.07	3.80	3.55	7.93	8.88	7.43	7.20
MAX	13.40	11.24	8.79	7.29	6.18	5.88	5.02	3.78	7.93	10.20	8.83	7.94



BROWARD COUNTY--Continued

WELL NUMBER.--261643080055901. Local Number G 2752. USGS Observation Well near Hillsboro Beach, FL.

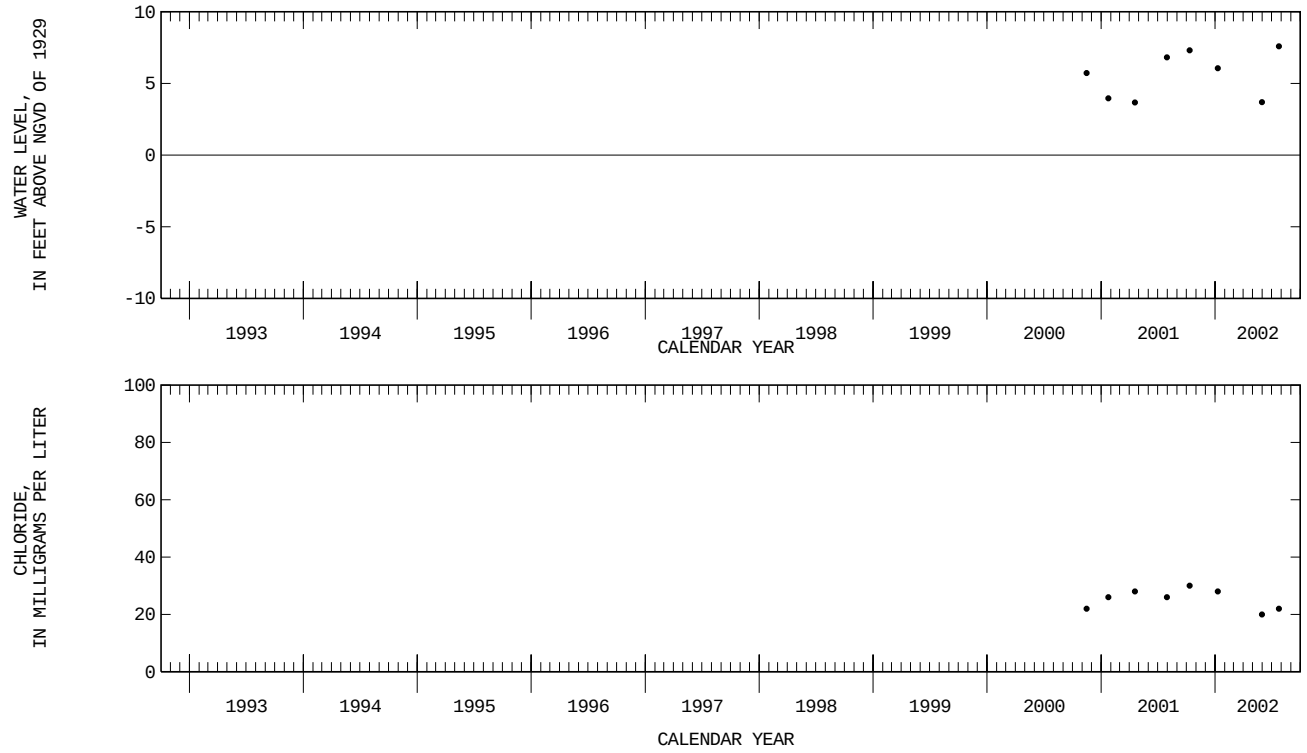
LOCATION.--Lat 26°16'43", long 80°05'59", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ sec. 18, T.48 S., R.43 E., Hydrologic Unit 03090202, on southeastern corner of NE 39 Street and NE 18 Avenue.
AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 253 ft.
INSTRUMENTATION.--Quarterly measurement with chalked tape.
DATUM.--Land-surface datum is 11.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Well is also monitored for salinity.
PERIOD OF RECORD.--November 2000 to present.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.59 ft NGVD, July 24, 2002; lowest, 3.67 ft NGVD, Apr. 18, 2001.

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

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
NOV					APR				
14...	1217	407	22.0	5.72	18...	0929	450	28.0	3.67
JAN					JUL				
23...	1210	433	26.0	3.96	30...	1320	500	26.0	6.82

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
11...	1540	550	30.0	7.30	30...	1430	432	20.0	3.70
JAN					JUL				
09...	1530	511	28.0	6.05	24...	1357	426	22.0	7.59



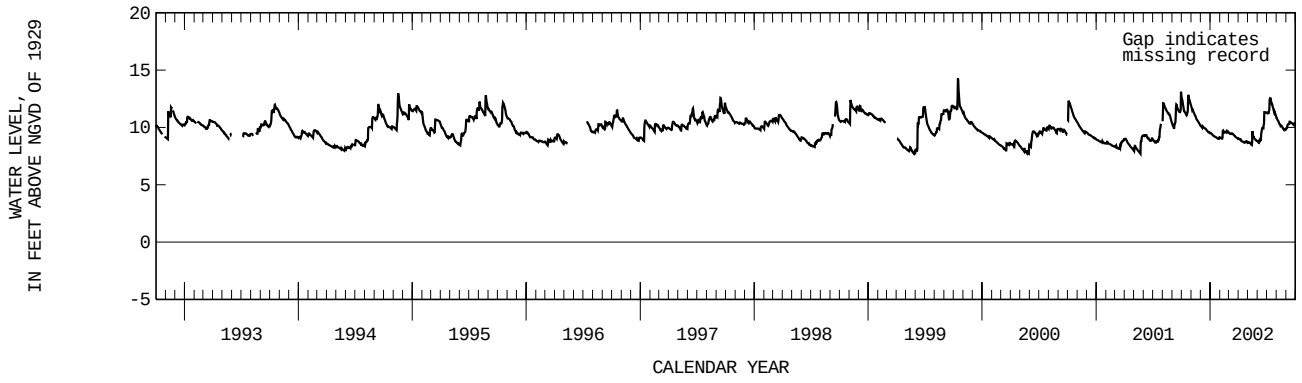
BROWARD COUNTY--Continued

WELL NUMBER.--261708080090801. Local Number G 1315. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°17'08", long 80°09'08", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.07	11.57	10.02	9.44	9.07	9.45	8.98	8.68	8.66	11.28	10.61	10.16
10	11.40	11.24	10.02	9.29	9.71	9.44	8.85	8.60	8.80	12.37	10.32	10.29
15	11.14	10.95	9.92	9.20	9.55	9.41	8.76	8.73	9.76	12.24	10.16	10.44
20	11.31	10.64	9.77	9.13	9.58	9.27	8.67	9.18	9.92	11.79	10.00	10.37
25	12.45	10.43	9.61	9.02	9.68	9.13	8.78	8.94	11.32	11.29	9.79	10.24
EOM	11.92	10.17	9.54	9.09	9.61	9.00	8.73	8.81	11.29	10.94	9.81	10.31
MAX	12.84	11.83	10.13	9.53	9.73	9.54	9.04	9.67	11.33	12.55	10.83	10.50



BROWARD COUNTY--Continued

WELL NUMBER.--261724080054603. Local Number G 2694. USGS Observation Well near Pompano Beach, FL.

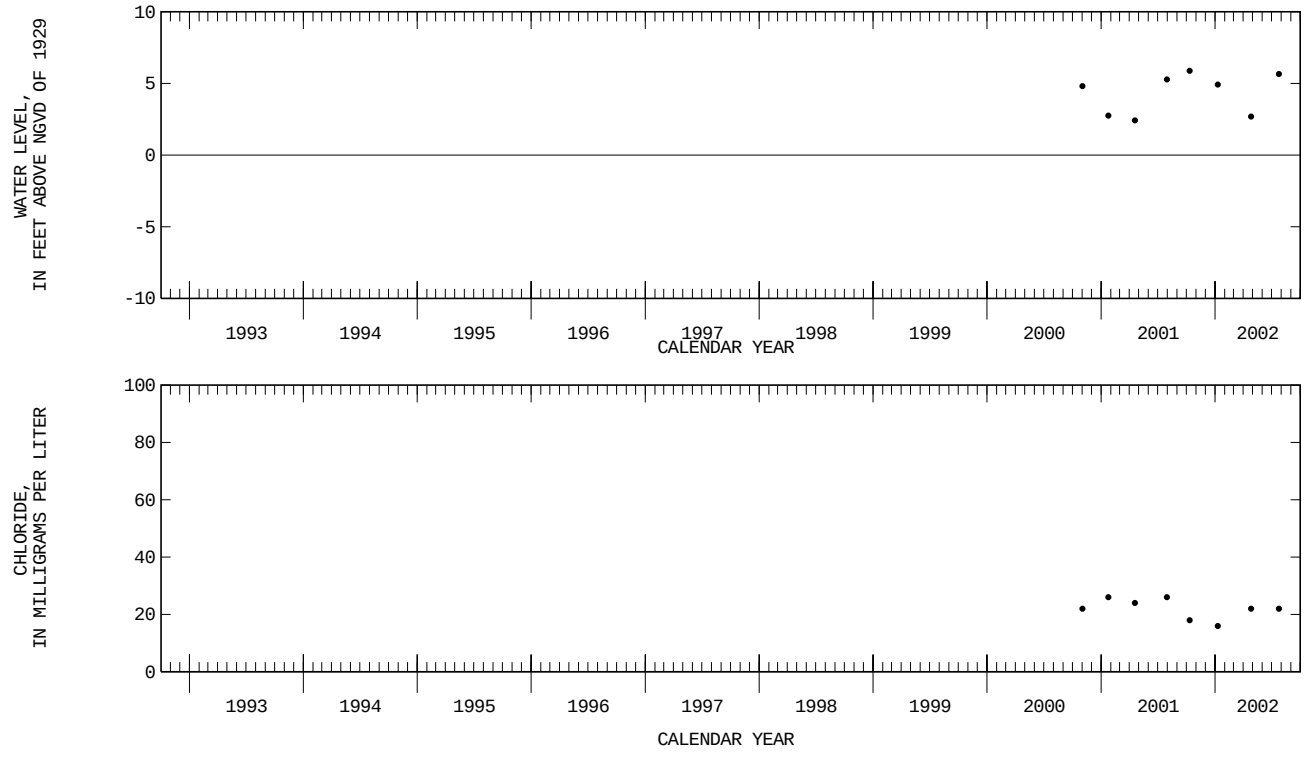
LOCATION.--Lat 26°17'24", long 80°05'46", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ sec. 7, T.48 S., R.43 E., Hydrologic Unit 03090202, on southwestern corner of NE 49 Street and U.S. Highway 1.
AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 229 ft.
INSTRUMENTATION.--Quarterly measurement with chalked tape.
DATUM.--Land-surface datum is 8.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Well is also monitored for salinity.
PERIOD OF RECORD.--November 2000 to present.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.88 ft NGVD, Oct. 11, 2001; lowest, 2.43 ft NGVD, Apr. 18, 2001.

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

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
NOV					APR				
01...	1125	361	22.0	4.81	18...	1221	372	24.0	2.43
JAN					JUL				
23...	1131	368	26.0	2.75	30...	1422	424	26.0	5.28

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
11...	1324	430	18.0	5.88	26...	1155	429	22.0	2.68
JAN					JUL				
09...	1400	333	16.0	4.93	24...	1249	396	22.0	5.66



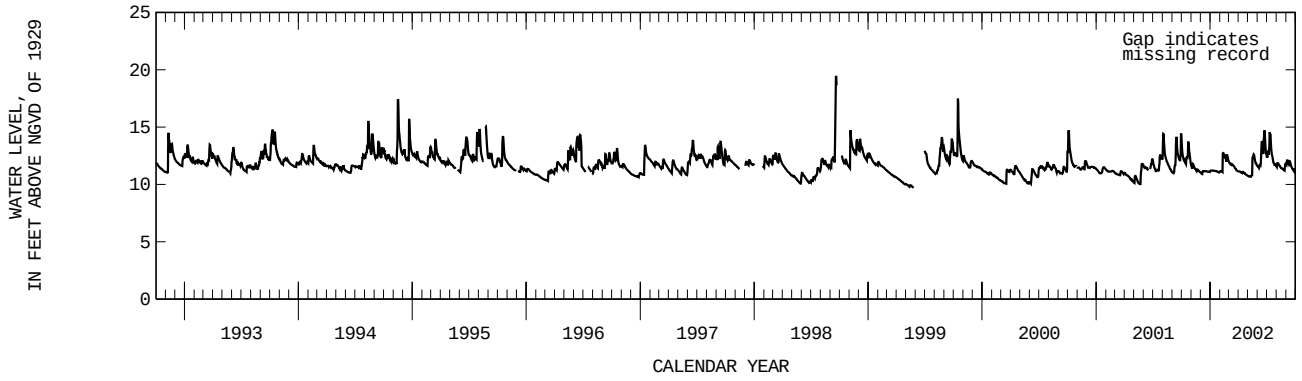
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Highway 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. Prior to December 2, 1997, measuring point was top of shelf, 5.65 ft above land-surface datum. Prior to October 12, 1990, top of self was 5.53 ft above land-surface datum. Prior to July 20, 1987, measuring point was top of casing 3.01 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.--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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.47	11.75	10.91	11.21	11.16	11.80	11.13	10.70	11.47	12.83	11.86	12.09
10	12.13	11.54	11.17	11.19	12.70	11.74	11.04	10.67	11.71	14.55	11.66	11.73
15	11.76	11.31	11.16	11.18	12.47	11.67	11.09	10.81	13.78	13.17	11.44	11.82
20	12.36	11.30	11.14	11.17	12.16	11.47	10.99	12.63	12.67	12.25	11.37	11.41
25	12.92	11.18	11.10	11.09	12.46	11.27	10.86	11.98	14.21	11.75	11.25	11.21
EOM	11.73	11.05	11.09	11.08	12.09	11.15	10.78	11.63	12.54	11.62	11.77	11.30
MAX	13.81	11.80	11.17	11.22	12.74	12.01	11.13	12.63	14.65	14.55	11.86	12.09



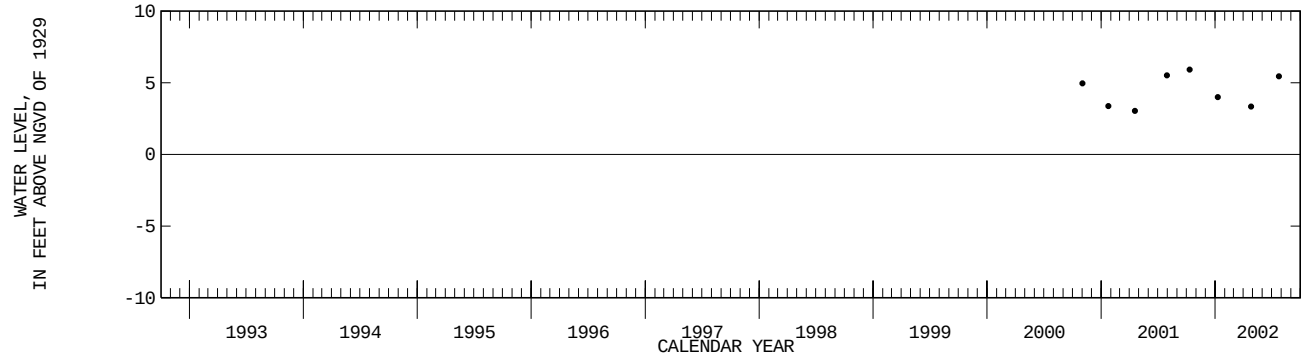
BROWARD COUNTY--Continued

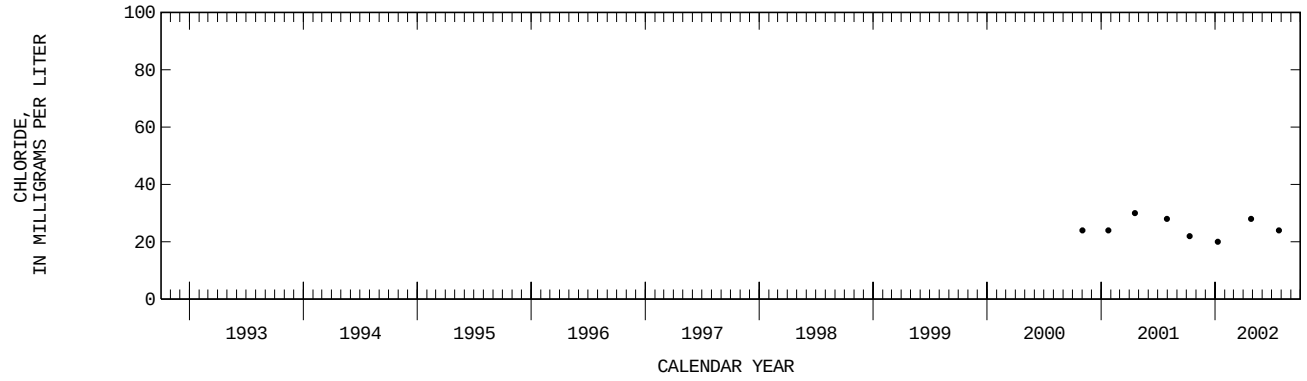
WELL NUMBER.--261740080054101. Local Number G 2893. USGS Observation Well near Deerfield Beach, FL.

LOCATION.--Lat 26°17'40", long 80°05'41", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.7, T.48 S., R.43 E., Hydrologic Unit 03090202, on NE 52nd Street, 200 ft east of U.S. Highway 1. (Corrected).
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, 5.93 ft NGVD, Oct. 11, 2001; lowest, 3.04 ft NGVD, Apr. 18, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
11...	1339	400	22.0	5.93	26...	1343	343	28.0	3.34
JAN					JUL				
09...	1435	323	20.0	4.00	24...	1205	326	24.0	5.46





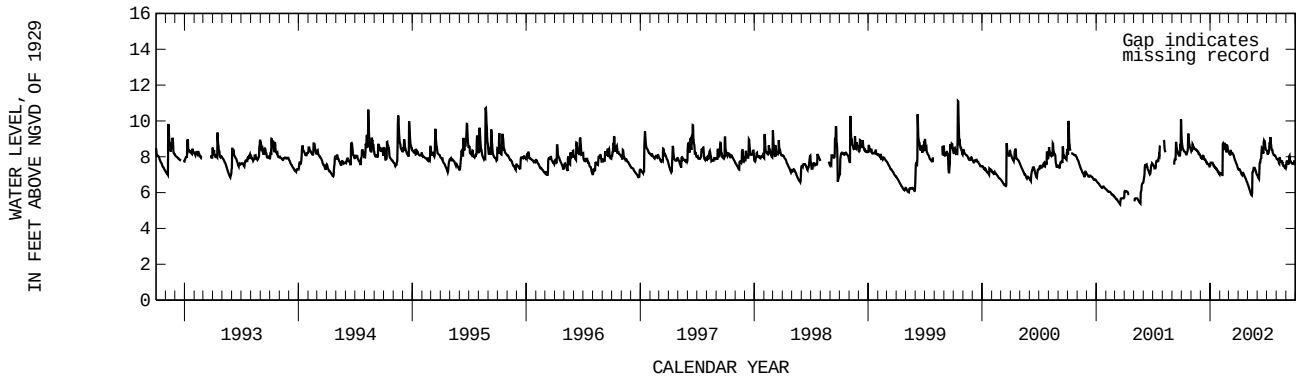
BROWARD COUNTY--Continued

WELL NUMBER.--261831080151301. Local Number G 2739. USGS Observation Well in Parkland, FL.

LOCATION.--Lat 26°18'31", long 80°15'13", in SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.47	8.71	7.92	7.67	7.07	8.12	7.30	6.26	6.79	8.19	7.85	7.71
10	8.29	8.45	8.05	7.58	8.72	8.21	7.07	5.98	7.68	8.79	7.60	7.63
15	8.20	8.41	7.84	7.42	8.38	8.14	7.10	5.99	8.50	8.64	7.73	7.76
20	8.31	8.31	7.70	7.34	8.36	7.88	6.95	7.38	8.18	8.22	7.63	7.62
25	8.76	8.18	7.59	7.17	8.58	7.63	6.77	7.29	8.82	8.08	7.49	7.62
EOM	8.38	8.06	7.55	7.00	8.30	7.33	6.53	6.98	8.35	7.95	7.35	7.74
MAX	9.29	8.71	8.06	7.67	8.75	8.33	7.31	7.38	8.91	9.09	7.93	8.06



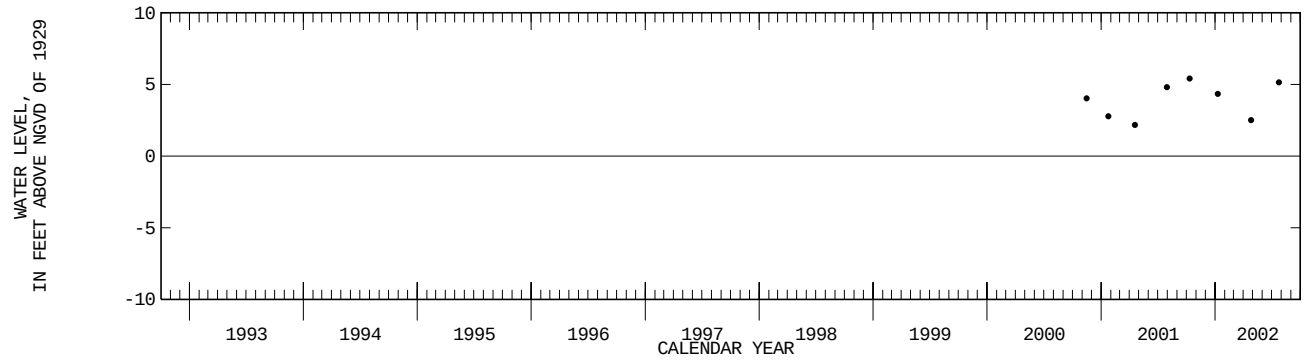
BROWARD COUNTY--Continued

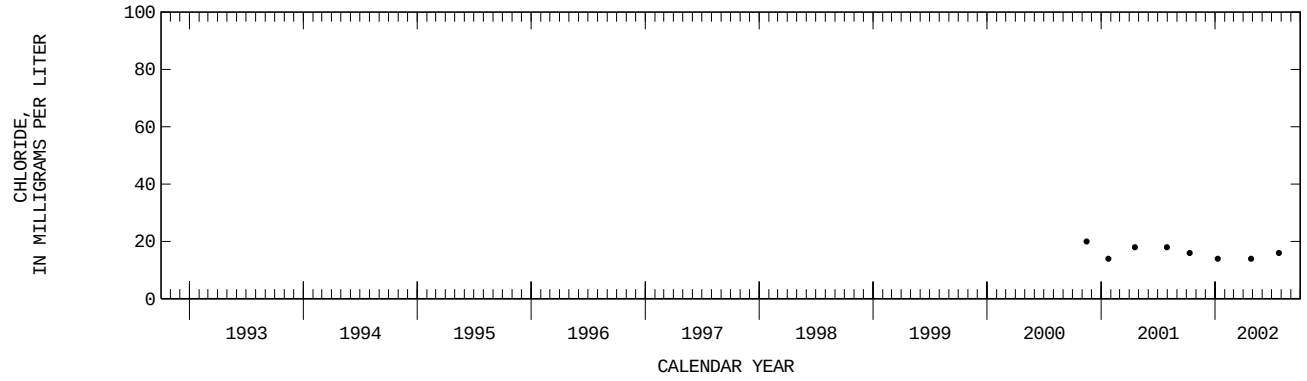
WELL NUMBER.--261858080054101. Local Number G 2894. USGS Observation Well in Deerfield Beach, FL.

LOCATION.--Lat 26°18'58", long 80°05'41", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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. (Corrected).
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, 5.41 ft NGVD, OCT. 11, 2001; lowest, 2.18 ft NGVD, Apr. 18, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
11...	1417	350	16.0	5.41	26...	1048	303	14.0	2.51
JAN					JUL				
09...	1500	316	14.0	4.35	24...	1110	308	16.0	5.14





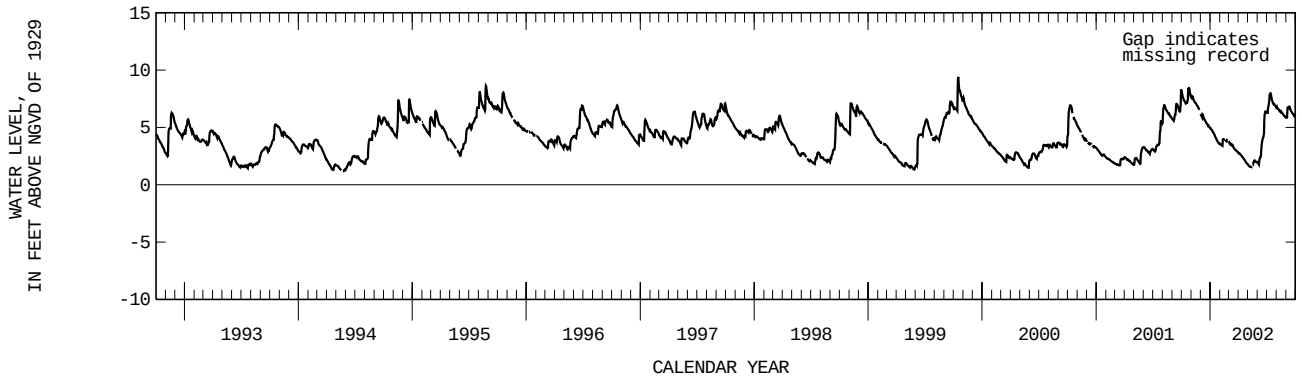
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.1, T.48 S., R.42 E., Hydrologic Unit 03090202, on southeast side of the intersection of State Road 810 and U.S. Interstate 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.65	7.69	5.90	4.79	3.46	3.54	2.73	1.63	1.79	6.69	6.62	6.59
10	7.34	7.32	5.91	4.57	3.92	3.48	2.57	1.56	2.41	7.83	6.46	6.68
15	7.11	7.13	5.60	4.32	3.92	3.37	2.39	1.55	3.56	7.75	6.39	6.53
20	7.33	6.89	5.36	4.00	3.87	3.12	2.20	2.01	4.13	7.19	6.23	6.29
25	8.39	6.64	5.14	3.74	3.90	2.98	1.97	2.06	6.25	6.98	6.05	6.10
EOM	7.68	---	4.95	3.57	3.80	2.83	1.81	1.96	6.29	6.74	5.86	5.88
MAX	8.39	---	6.17	4.95	---	3.77	2.77	---	6.39	7.98	6.81	6.79



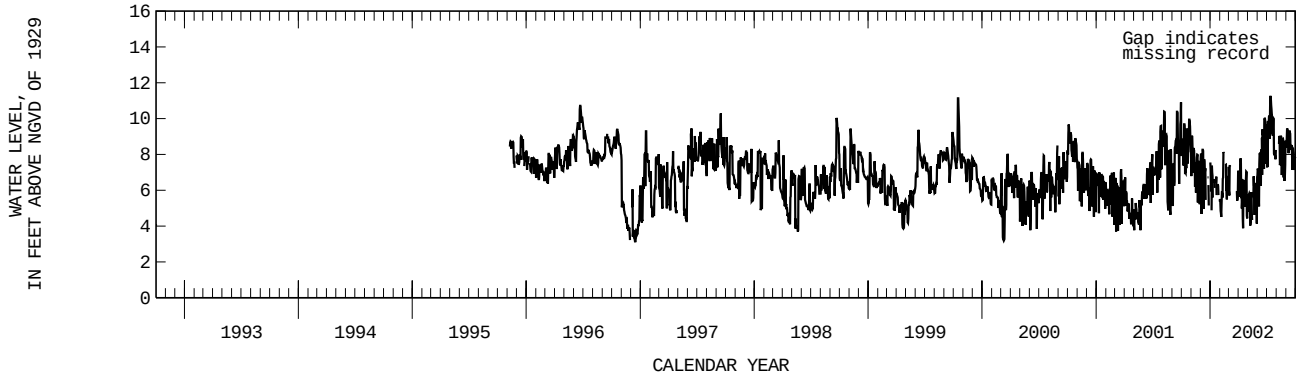
BROWARD COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 County Road 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, screened 130 to 140 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. See REMARKS.
REMARKS.--Well was designated PB 1105 until September 1992 and published under the current station number. Well was also used for salinity monitoring until October 1993. 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 daily maximum water level, 11.27 ft NGVD, July 13, 2002; lowest, 3.10 ft NGVD, Dec. 15, 1996.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.86	8.28	6.72	4.88	4.51	7.35	6.17	5.76	5.59	9.81	---	9.41
10	9.68	8.22	5.56	---	6.64	---	5.56	4.23	7.85	8.88	9.03	8.75
15	7.58	7.57	7.07	6.13	---	---	4.41	4.34	8.93	10.75	9.04	8.25
20	7.49	7.99	---	6.76	7.47	---	5.09	6.78	8.65	9.05	7.39	7.89
25	9.94	7.32	---	6.35	---	---	6.58	5.15	10.00	8.01	6.89	8.11
EOM	8.14	5.54	---	5.37	7.31	6.90	5.17	6.74	9.62	---	8.47	7.87
MAX	9.94	9.04	---	---	---	---	7.78	---	---	---	---	9.45



MISCELLANEOUS WATER LEVEL MEASUREMENTS

BROWARD COUNTY

MULTIPLE STATION ANALYSES

Station number	Local identifier	Latitude	Longitude	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
260242080101101	G -2697	26 02 42 N	080 10 11 W	10-26-01	1245	4310	1440
		26 02 42 N	080 10 11 W	01-29-02	1629	4360	1460
		26 02 42 N	080 10 11 W	03-26-02	1134	4110	1600
		26 02 42 N	080 10 11 W	04-25-02	1130	4610	1420
		26 02 42 N	080 10 11 W	07-24-02	1334	4590	1340

Charlotte County

Key to site locations on figure # 13

Charlotte County

Index Number	Site Number	Well Name	Page Number
1	265004081581901	CH 311	159
2	264754081461001	CH 322	156
3	264755081460801	CH 323	157
4	264755081460802	CH 324	158

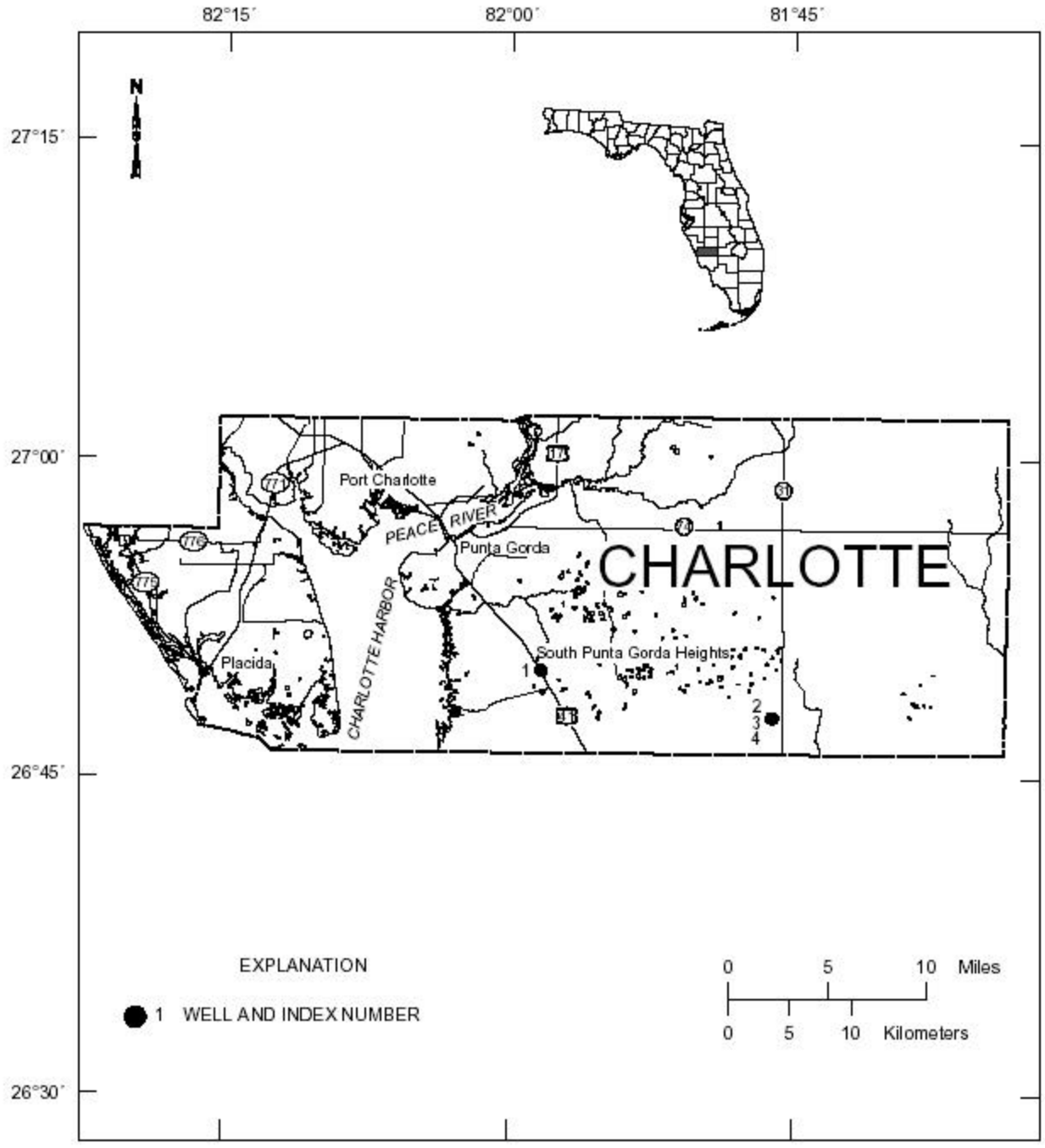


Figure 13. Location of wells in Charlotte County

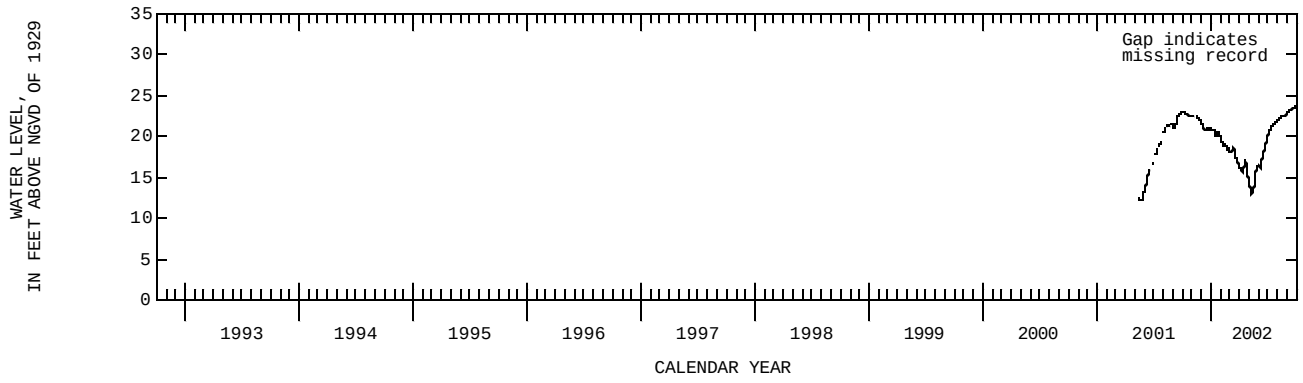
CHARLOTTE COUNTY

WELL NUMBER.--264754081461001. Local Number CH 322. USGS Observation Well near Alva, FL.

LOCATION.--Lat 26°47'54", long 81°46'10", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.25, T.42 S., R.25 E., Hydrologic Unit 03090205, 10 ft north of Coral Rock Quarry Road, 75 ft south of Cook Brown Road, 0.6 mi west of State Road 31, 2.0 mi north of Lee/Charlotte County line.
AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 178 ft, cased to 177 ft, open hole 177 to 178 ft.
INSTRUMENTATION.--Satellite data collection platform.
DATUM.--Land-surface datum is 30.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf 1.00 ft above land-surface datum.
PERIOD OF RECORD.--May 2001 to September 2002. Station was discontinued at the end of the 2002 water year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.67 ft NGVD, Sept. 29-30, 2002; lowest, 12.17 ft NGVD, May 21-22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.02	22.58	21.35	20.85	19.26	18.15	16.05	13.73	16.30	20.63	22.08	23.09
10	22.89	---	20.76	20.84	18.93	18.40	15.74	12.98	16.79	20.99	22.25	23.17
15	22.80	22.43	20.77	20.06	18.95	18.43	16.24	13.33	17.69	21.23	22.47	23.35
20	22.58	22.22	20.87	20.51	18.67	17.65	17.05	14.65	18.50	21.43	22.54	23.41
25	22.54	22.10	21.00	20.63	18.57	16.78	16.03	15.93	19.19	21.67	22.43	23.64
EOM	22.54	21.79	20.74	19.86	18.41	16.25	14.69	16.41	19.93	21.90	22.70	23.67
MAX	23.02	---	21.70	20.90	19.81	18.64	17.05	16.47	19.93	21.90	22.70	23.67



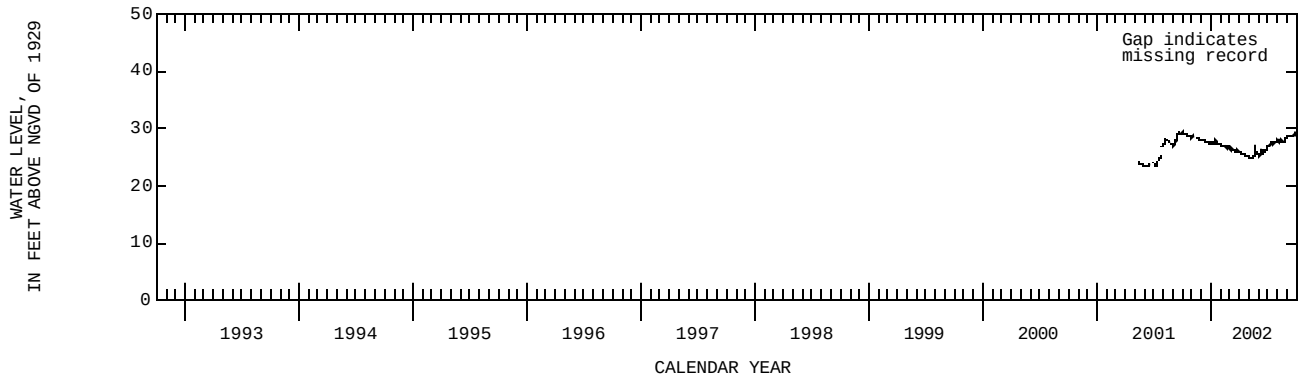
CHARLOTTE COUNTY--Continued

WELL NUMBER.--264755081460801. Local Number CH 323. USGS Observation Well near Alva, FL.

LOCATION.--Lat 26°47'55", long 81°46'08", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.25, T.42 S., R.25 E., Hydrologic Unit 03090205, 10 ft north of Coral Rock Quarry Road, 75 ft south of Cook Brown Road, 0.6 mi west of State Road 31, 2.0 mi north of Lee/Charlotte County line.
AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 33 ft, cased to 19 ft, screened from 19 to 33 ft with 0.02 screen.
INSTRUMENTATION.--Satellite data collection platform with pressure transducer.
DATUM.--Land-surface datum is 30.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf 3.50 ft above land-surface datum.
PERIOD OF RECORD.--May 2001 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 29.25 ft NGVD, Sept. 29, 2001; lowest, 23.37 ft NGVD, June 15, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.11	28.78	27.78	27.45	26.98	26.28	25.70	24.89	25.24	26.84	27.52	28.66
10	29.05	---	27.87	27.35	26.96	26.29	25.56	24.78	25.82	27.31	27.52	28.59
15	28.94	28.49	27.69	27.88	26.88	26.14	25.57	24.66	25.93	27.48	27.88	28.68
20	28.79	28.26	27.57	27.42	26.58	25.99	25.47	26.73	25.89	27.44	27.62	28.64
25	28.70	28.09	27.58	27.27	26.63	25.84	25.21	25.79	26.24	27.54	27.45	28.88
EOM	28.50	27.93	27.48	27.10	26.45	25.89	25.02	25.45	26.64	27.45	28.09	28.85
MAX	29.20	---	28.12	27.88	27.08	26.46	25.84	---	26.64	27.76	28.30	28.88



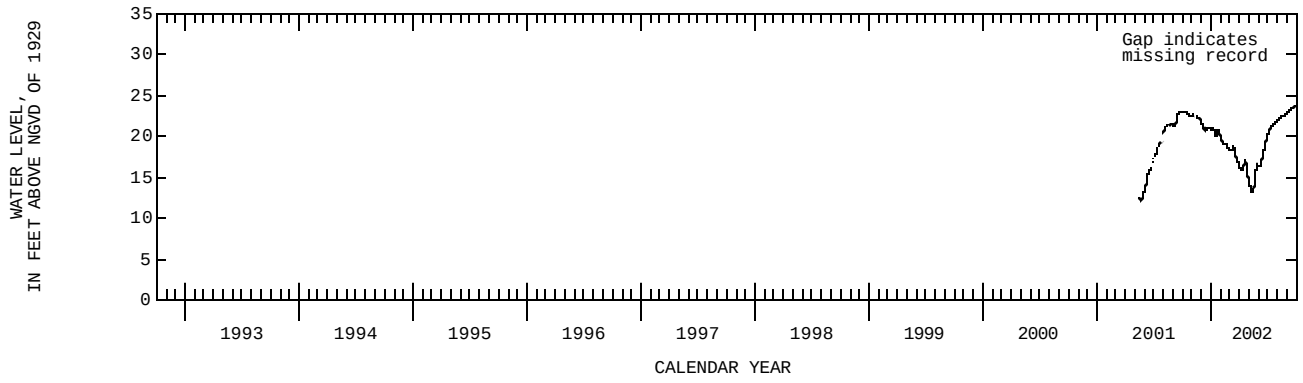
CHARLOTTE COUNTY--Continued

WELL NUMBER.--264755081460802. Local Number CH 324. USGS Observation Well near Alva, FL.

LOCATION.--Lat 26°47'55", long 81°46'08", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.25, T.42 S., R.25 E., Hydrologic Unit 03090205, 10 ft north of Coral Rock Quarry Road, 75 ft south of Cook Brown Road, 0.6 mi west of State Road 31, 2.0 mi north of Lee/Charlotte County line.
AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 112 HTRNN.
WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 192 ft, cased to 179 ft, screened from 179 to 188 ft with 0.02 screen, open hole 188 to 192 ft.
INSTRUMENTATION.--Satellite data collection platform with pressure transducer.
DATUM.--Land-surface datum is 31.09 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf 2.60 ft above land-surface datum.
PERIOD OF RECORD.--May 2001 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.74 ft NGVD, Sept. 29, 30, 2002; lowest, 12.22 ft NGVD, May 21, 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.08	22.64	21.41	20.94	19.38	18.29	16.18	13.85	16.38	20.71	22.17	23.14
10	22.97	---	20.83	20.93	19.06	18.53	15.86	13.13	16.89	21.07	22.33	23.23
15	22.86	22.51	20.86	20.14	19.07	18.54	16.36	13.48	17.79	21.31	22.54	23.40
20	22.63	22.28	20.94	20.63	18.80	17.74	17.15	14.81	18.62	21.51	22.62	23.47
25	22.58	22.17	21.10	20.73	18.70	16.93	16.12	16.04	19.31	21.74	22.50	23.70
EOM	22.58	21.86	20.81	19.92	18.52	16.37	14.79	16.49	20.04	21.99	22.76	23.74
MAX	23.09	---	21.75	20.99	19.86	18.78	17.15	---	20.04	21.99	22.76	23.74



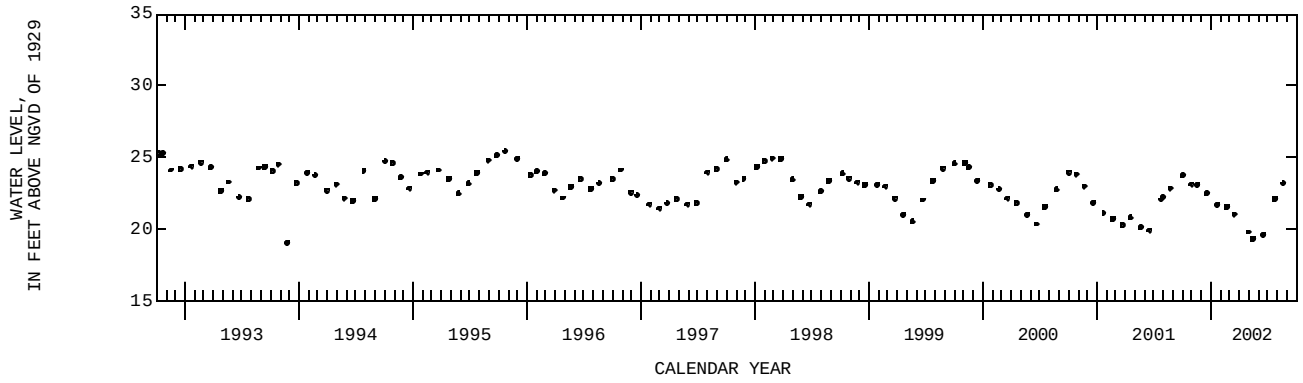
CHARLOTTE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.12, T.42 S., R.23 E., Hydrologic Unit 03100103, 30 ft south of fence, 0.1 mi east of U.S. Highway 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, measuring point was top of 4 in. casing, 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 U.S. Geological Survey.
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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0910	23.73	29...	1438	19.80
29...	1132	23.12	MAY		
NOV			15...	1400	19.30
19...	1524	23.09	JUN		
DEC			17...	1116	19.58
17...	1512	22.46	JUL		
JAN			25...	1609	22.12
22...	1723	21.68	AUG		
FEB			21...	1503	23.16
21...	1355	21.52			
MAR					
15...	1421	21.04			



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Collier County

Key to site locations on figure # 14
Collier County

Index Number	Site Number	Well Name	Page Number
1	261000080520001	C 54	189
2	260902081480401	C 130	183
3	262521081161901	C 131	246
4	262505081245301	C 258	243
5	260640081204301	C 296	179
6	262507081235201	C 298	244
7	261621081412302	C 303	218
8	261630081360001	C 304	219
9	255430081221001	C 311	164
10	262555081242501	C 363	248
11	261124081470301	C 391	193
12	261124081470101	C 392	192
13	261405081465501	C 460	207
14	262724081260701	C 462	250
15	261302081473901	C 489	200
16	261243081480301	C 490	199
17	262228081361901	C 492	241
18	255748081181801	C 495	168
19	260111081243901	C 496	169
20	261741081235401	C 503	226
21	261156081475801	C 516	195
22	261018081484101	C 526	190
23	261200081483001	C 528	197
24	262859081273002	C 532	254
25	261438081481001	C 575	209
26	260549081441901	C 600	177
27	261740081235401	C 684	223
28	262554081283801	C 687	247
29	261802081354801	C 688	227
30	261740081235402	C 689	224
31	260632081324702	C 690	178
32	261347081351701	C 948	206
33	261347081351202	C 951	205
34	261347081351201	C 953	204
35	261343081384802	C 956	203
36	262121081355502	C 963	233
37	262136081204202	C 965	236
38	262136081204201	C 966	235
39	260334081391601	C 968	176
40	260843081324202	C 972	182
41	260843081324201	C 973	181
42	260941081324201	C 974	188
43	260915081385901	C 976	184
44	260915081385902	C 977	185
45	262121081355501	C 978	232
46	262121081355503	C 979	234
47	261343081384801	C 980	202
48	262158081283401	C 981	237
49	262158081283403	C 982	239
50	262158081283402	C 983	238
51	261733081285501	C 984	220
52	261733081285503	C 985	222
53	261200081204901	C 986	196
54	261444081284901	C 988	210
55	261733081285502	C 989	221
56	255703081213801	C 995	167
57	261530081412001	C 997	212
58	261620081450201	C 998	216
59	261508081484902	C 999	211
60	261620081464401	C 1004R	217
61	260919081460501	C 1052	186
62	261127081461001	C 1054	194
63	261211081441301	C 1055	198
64	261537081461201	C 1057	213
65	261537081461202	C 1058	214
66	261604081480901	C 1059	215
67	261311081480101	C 1061	201
68	260925081475101	C 1062	187
69	260137081375901	C 1063	170
70	260137081375902	C 1064	171
71	255637081281401	C 1065	165
72	255637081281402	C 1066	166
73	260314081323101	C 1067	174
74	260314081323102	C 1068	175
75	260813081214302	C 1070	180
76	261823081171901	C 1071	230
77	261823081171902	C 1072	231
78	261740081235403	C 1073	225
79	262519081162102	C 1074	245
80	262822081213201	C 1075	251
81	262822081213202	C 1076	252
82	262822081213203	C 1077	253
83	262558081270501	C 1078	249
84	262158081283404	C 1079	240
85	262228081361902	C 1080	242
86	261805081473302	C 1083	229
87	260251081412801	C 1092	173
88	261435081472701	C 1094	208
89	261802081354802	C 1097	228
90	261023081463702	C 1100	191
91	260224081394301	C 1186	172

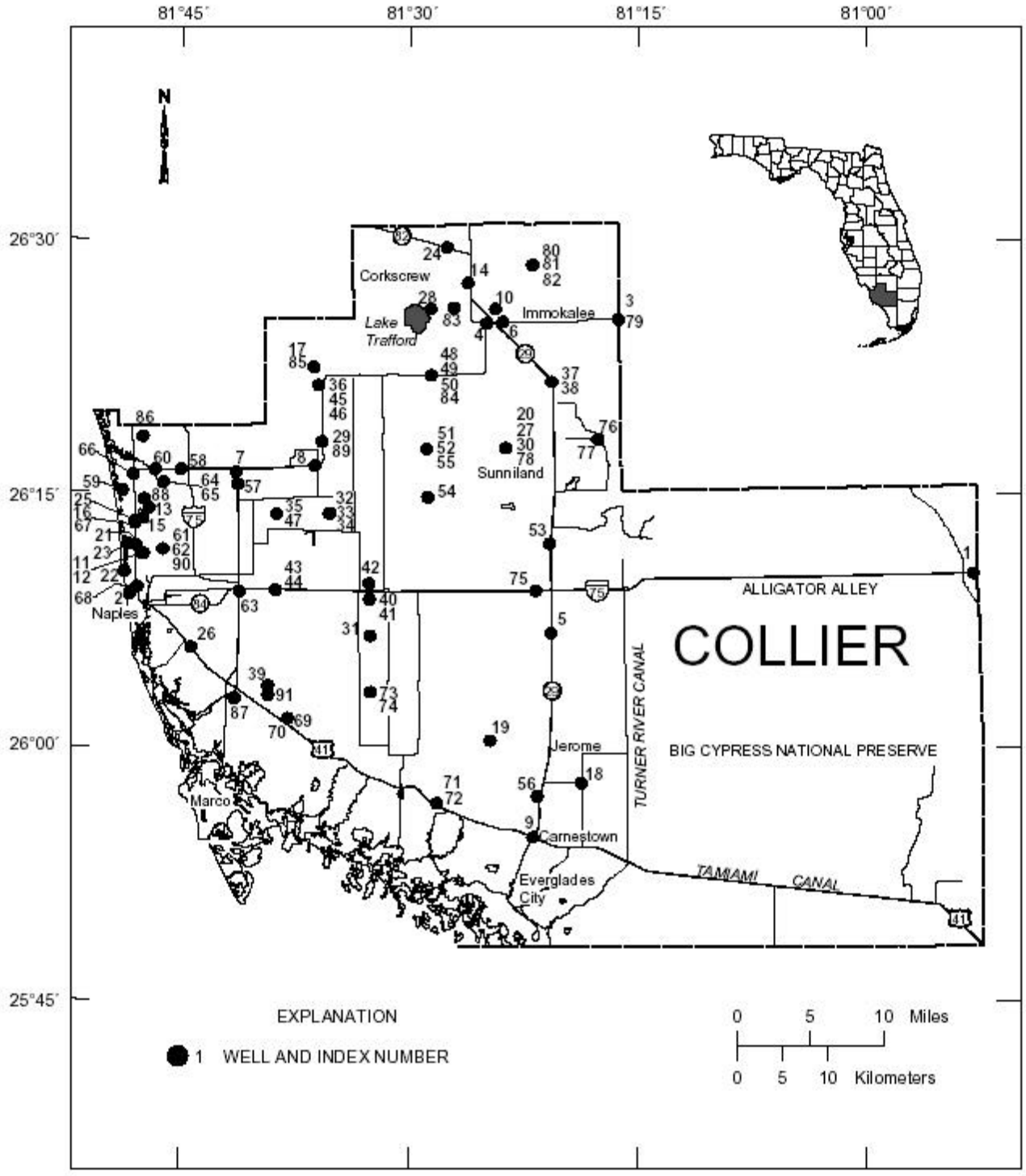


Figure 14: Location of wells in Collier County

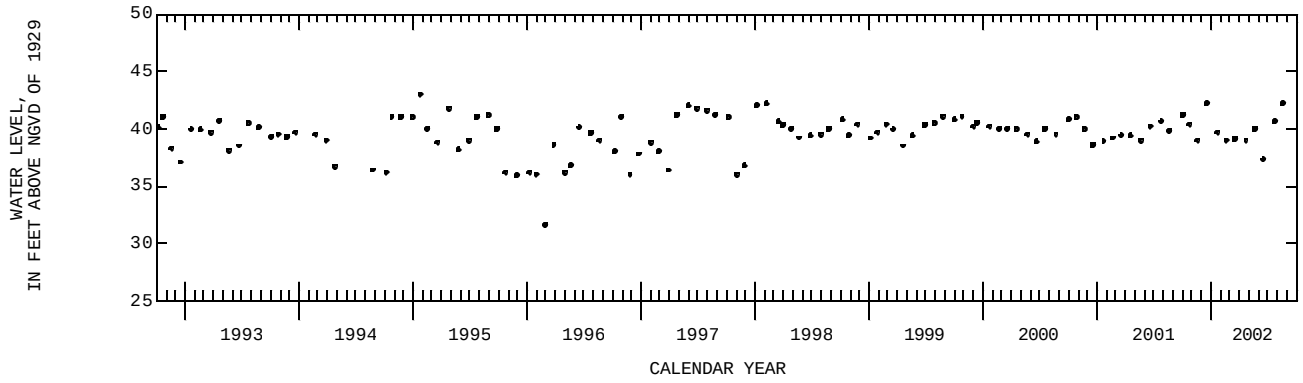
COLLIER COUNTY

WELL NUMBER.--255430081221001. Local Number C 311.

LOCATION.--Lat 25°54'40", long 81°21'53", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.25, T.52 S., R.29 E., Hydrologic Unit 03090204, 20 ft south of U.S. Highway 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 U.S. 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0915	41.20	22...	1123	39.00
23...	1603	40.40	MAY		
NOV			21...	1110	40.00
19...	1132	39.00	JUN		
DEC			18...	1054	37.30
18...	1037	42.20	JUL		
JAN			23...	1248	40.60
22...	1114	39.70	AUG		
FEB			19...	1110	42.20
19...	1031	39.00			
MAR					
18...	1111	39.10			



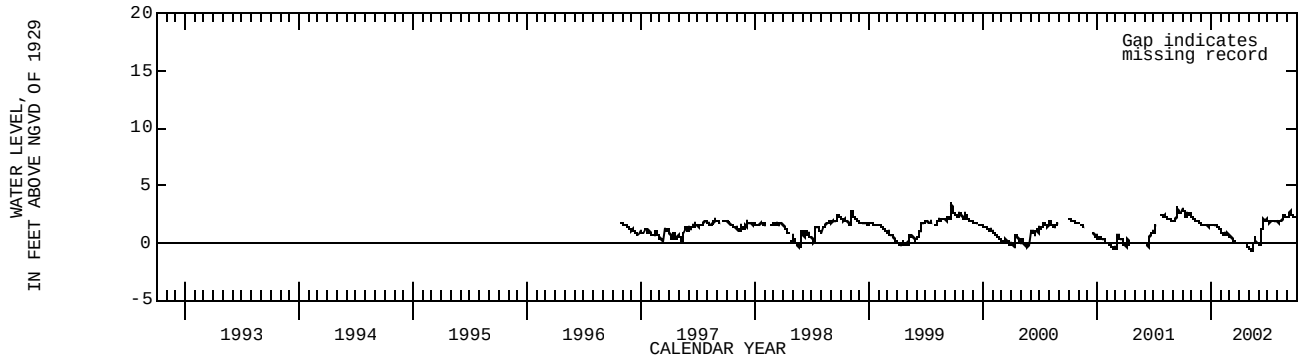
COLLIER COUNTY--Continued

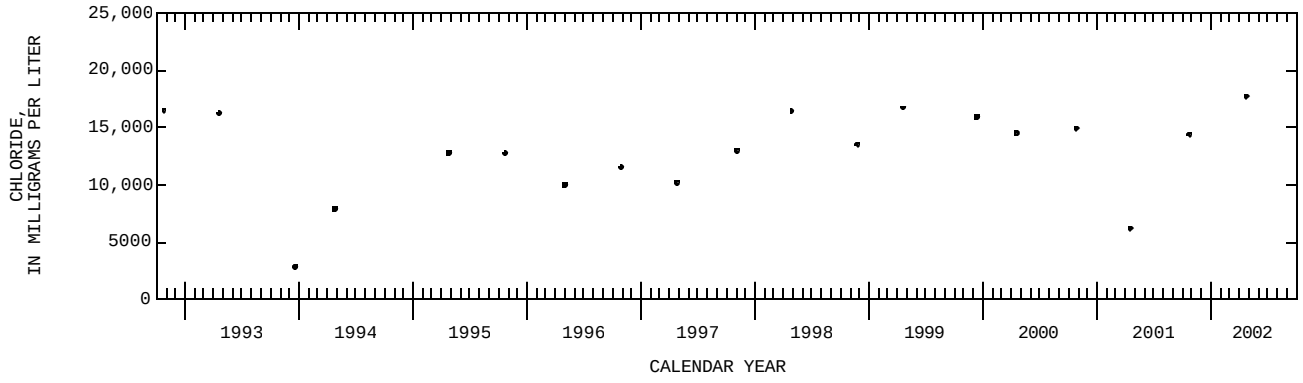
WELL NUMBER.--255637081281401. Local Number C 1065.

LOCATION.--Lat 25°56'40", long 81°28'09", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, 1,000 ft north of U.S. Highway 41 at Big Cypress Bend Indian Reservation, 6.7 mi northwest of State Road 29 on U.S. Highway 41, 24 mi southeast of Naples on U.S. Highway 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, 0.71 ft below NGVD, May 12, 13, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.72	2.15	1.56	1.56	0.87	0.41	---	-0.51	-0.18	1.86	1.86	2.32
10	2.41	2.00	1.60	1.49	0.73	0.29	---	-0.66	0.99	1.97	1.88	2.64
15	2.50	1.93	1.57	1.48	0.65	0.10	---	-0.50	2.14	1.94	1.88	2.52
20	2.47	1.82	1.50	1.37	0.55	---	---	0.44	1.82	1.97	2.31	2.23
25	2.51	1.75	1.50	1.25	0.65	---	-0.31	0.02	1.90	1.82	2.29	2.28
EOM	2.19	1.64	1.59	1.07	0.53	---	-0.35	-0.07	1.93	1.90	2.31	2.22
MAX	2.91	2.17	1.63	1.63	1.03	---	---	0.44	2.14	1.98	2.43	2.85





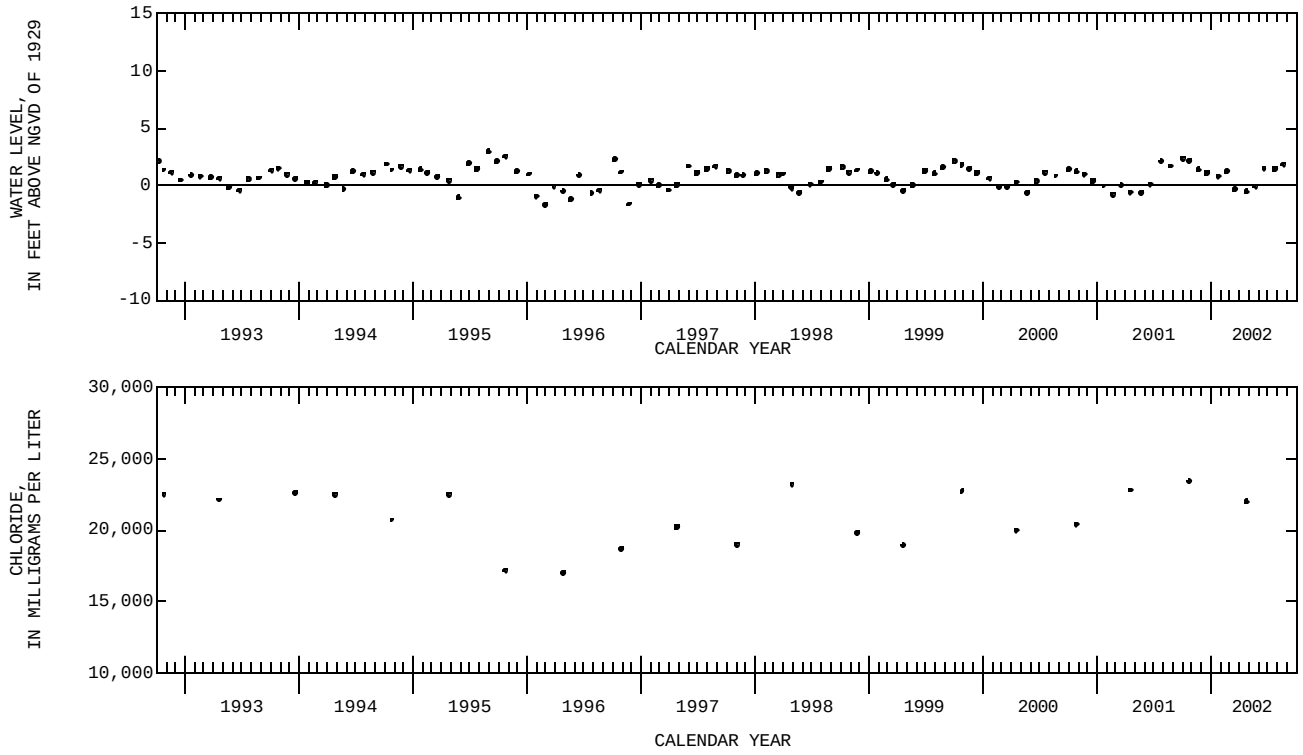
COLLIER COUNTY--Continued

WELL NUMBER.--255637081281402. Local Number C 1066.

LOCATION.--Lat 25°56'40", long 81°28'09", in NE $^1/_4$ SW $^1/_4$ NW $^1/_4$ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, 1,000 ft north of U.S. Highway 41 at Big Cypress Bend Indian Reservation, 6.7 mi northwest of State Road 29 on U.S. Highway 41, 24 mi southeast of Naples on U.S. Highway 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, 102 ft to 180 ft 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 180 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
02...	0938	--	--	2.37
23...	1513	60400	23400	2.12
NOV				
20...	1055	--	--	1.36
DEC				
18...	1007	--	--	1.10
JAN				
23...	1011	--	--	.81
FEB				
20...	0929	--	--	1.20
MAR				
19...	1044	--	--	-.39
APR				
23...	1204	60500	22000	-.53
MAY				
23...	1043	--	--	-.10
JUN				
19...	1035	--	--	1.50
JUL				
24...	1105	--	--	1.42
AUG				
20...	0952	--	--	1.85



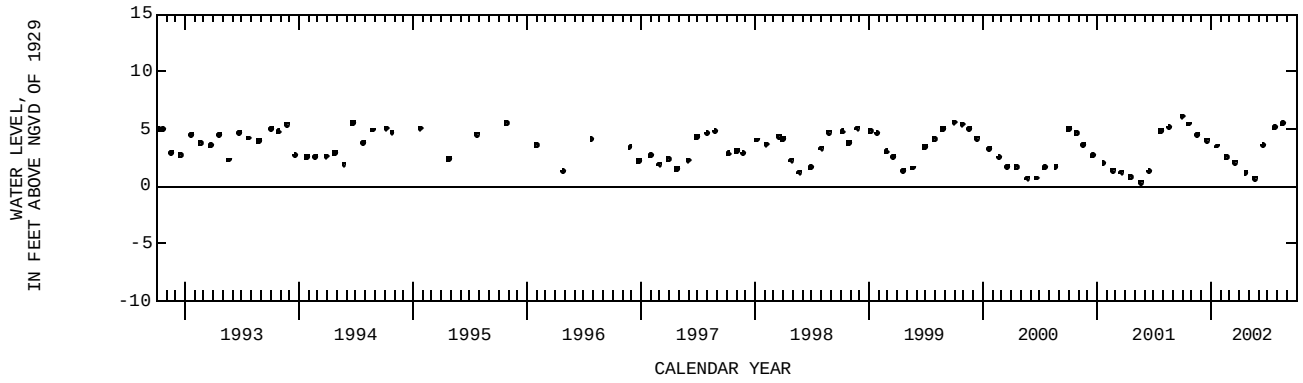
COLLIER COUNTY--Continued

WELL NUMBER.--255703081213801. Local Number C 995.

LOCATION.--Lat 25°57'05", long 81°21'34", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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. Prior to October 1993, land-surface datum was considered to be 8.00 ft. Measuring point: Top of casing, 0.22 ft above land-surface datum. Prior to October 1993, top of casing was considered to be 0.20 ft above land-surface datum. Prior to October 1991, top of casing was 2.75 ft above land-surface datum. See REMARKS.
REMARKS.--The figures of water levels, as elevation in feet NGVD, prior to October 1993 are in error. 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, 6.06 ft NGVD, Oct. 1, 2001; lowest, 0.25 ft NGVD, May 28, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEV-ATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEV-ATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1151	6.06	22...	1113	1.14
22...	1219	5.41	MAY		
NOV			21...	1101	.69
19...	1123	4.46	JUN		
DEC			18...	1046	3.53
17...	1107	3.97	JUL		
JAN			23...	1238	5.08
22...	1105	3.49	AUG		
FEB			19...	1102	5.43
19...	1021	2.56			
MAR					
18...	1101	2.08			



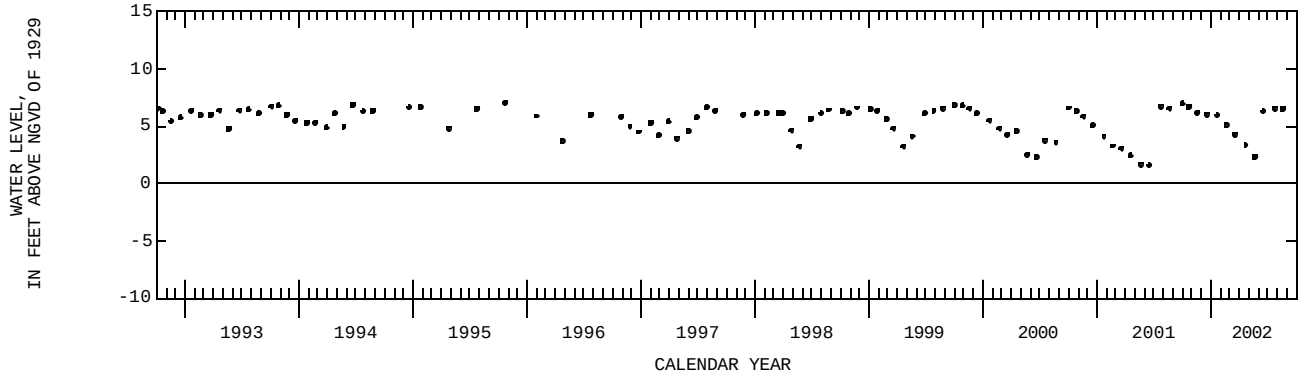
COLLIER COUNTY--Continued

WELL NUMBER.--255748081181801. Local Number C 495.

LOCATION.--Lat 25°57'53", long 81°18'42", in NE 1/4 NE 1/4 NE 1/4 sec.9, T.52 S., R.30 E., Hydrologic Unit 03090204, 25 ft south of County Road 837, 50 ft west of County Road 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 7.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 6.58 ft above national Geodetic Vertical Datum of 1929 and top of casing was considered to be 3.50 ft above land-surface datum. See REMARKS.
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. In the 2002 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 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1225	6.96	22...	1208	3.29
22...	1232	6.68	MAY		
NOV			21...	1124	2.30
19...	1150	6.16	JUN		
DEC			18...	1112	6.24
17...	1120	6.02	JUL		
JAN			23...	1322	6.55
22...	1127	5.92	AUG		
FEB			19...	1113	6.48
19...	1058	5.09			
MAR					
18...	1124	4.28			



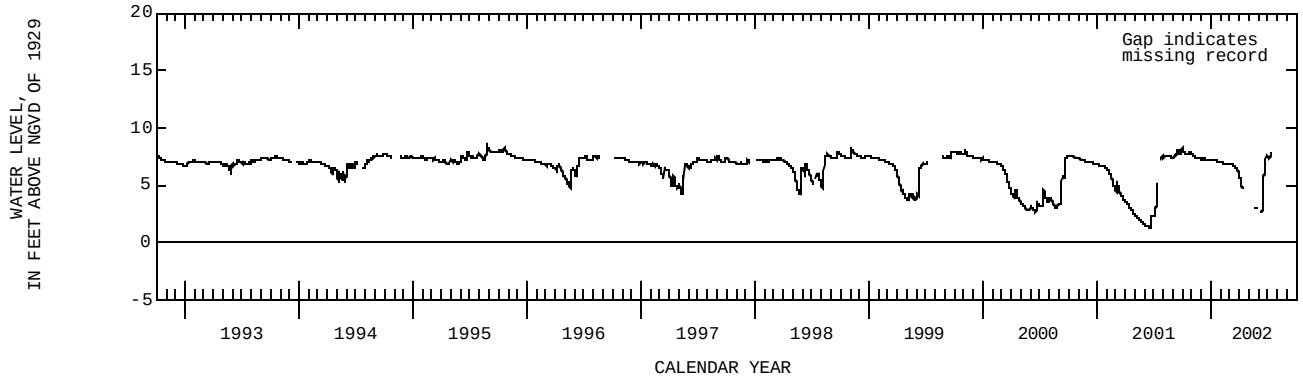
COLLIER COUNTY--Continued

WELL NUMBER.--260111081243901. Local Number C 496.

LOCATION.--Lat 26°00'23", long 81°24'39", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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. Measuring point: Top of recorder shelf, 1.03 ft above land-surface datum. Prior to October 1982, top of shelf was considered to be 3.80 ft above land-surface datum. Prior to October 1981, top of shelf was 3.80 ft above land-surface datum. See REMARKS.
REMARKS.--The figures of water level as elevation, in feet NGVD, for the 1982 water year are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM. Records of water levels prior to October 1975 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.92	7.55	7.21	7.17	6.93	6.76	5.35	---	---	7.39	---	---
10	7.73	7.46	7.29	7.13	6.89	6.78	4.80	---	2.54	7.63	---	---
15	7.64	7.41	7.22	7.12	6.83	6.71	---	---	5.83	---	---	---
20	7.80	7.36	7.16	7.10	6.82	6.60	---	---	6.19	---	---	---
25	7.88	7.32	7.16	7.03	6.80	6.37	---	2.98	7.24	---	---	---
EOM	7.70	7.27	7.20	6.97	6.76	5.87	---	---	7.47	---	---	---
MAX	8.12	7.65	7.30	7.20	6.96	6.78	---	---	---	---	---	---



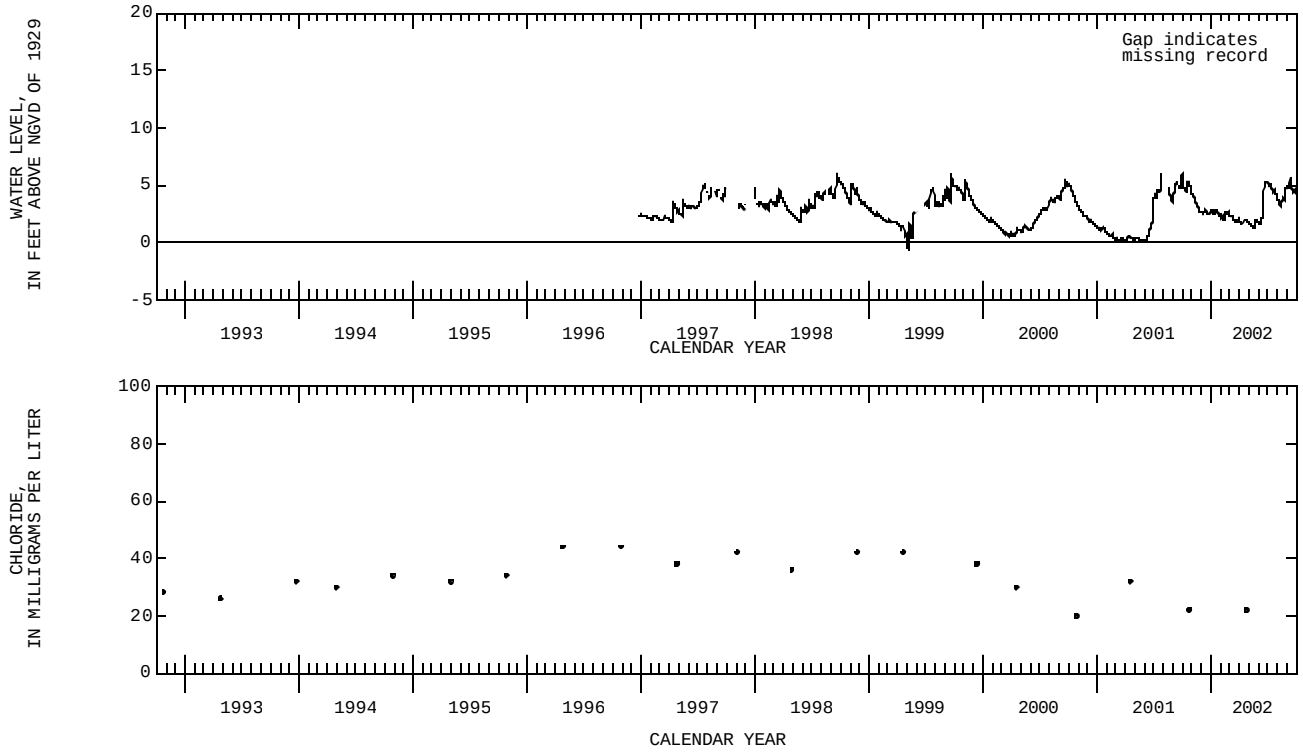
COLLIER COUNTY--Continued

WELL NUMBER.--260137081375901. Local Number C 1063.

LOCATION.--Lat 26°01'41", long 81°37'57", in NW 1/4 NE 1/4 SW 1/4 sec.17, T.51 S., R.27 E., Hydrologic Unit 03090204, 50 ft northwest of the end of Hamilton Road 0.45 mi north of U.S. Highway 41, 4.95 mi southeast of State Road 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, 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.76	4.11	2.37	2.85	2.27	2.16	1.81	1.55	1.60	4.77	3.33	4.94
10	4.54	3.61	2.87	2.50	2.01	2.24	1.66	1.42	2.01	5.02	3.23	5.11
15	5.21	3.29	2.57	2.77	1.91	1.90	1.65	1.28	4.48	4.65	3.44	4.90
20	5.24	3.05	2.51	2.68	2.62	1.81	1.97	1.94	5.31	4.40	3.83	4.62
25	4.84	2.66	2.45	2.50	2.66	1.89	1.84	1.87	5.33	4.50	3.82	4.37
EOM	4.25	2.73	2.74	2.41	2.24	2.09	1.68	1.72	5.26	3.85	4.74	4.21
MAX	5.41	4.14	2.87	2.87	2.69	2.31	1.98	1.95	5.34	5.19	4.74	5.61



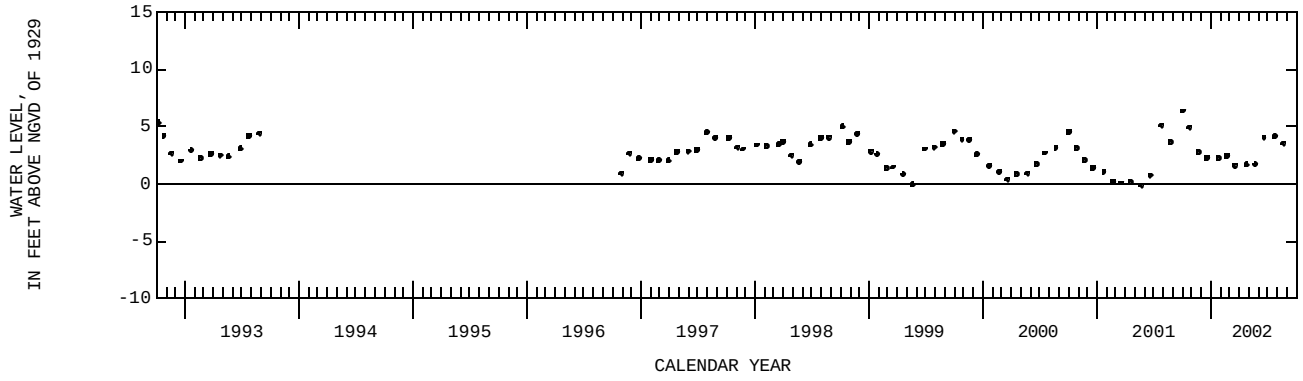
COLLIER COUNTY--Continued

WELL NUMBER.--260137081375902. Local Number C 1064.

LOCATION.--Lat 26°01'41", long 81°37'57", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.17, T.51 S., R.27 E., Hydrologic Unit 03090204, 50 ft northwest of the end of Hamilton Road, 0.45 mi north of U.S. Highway 41, 4.95 mi southeast of State Road 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, open hole 84 to 120 ft.
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. Prior to October 1996, measuring point was top of recorder shelf 3.99 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 U.S. Geological Survey. See DATUM.
PERIOD OF RECORD.--November 1986 to September 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 and highest water level measured, 6.35 ft NGVD, Oct. 2, 2001; lowest water level measured, 0.12 ft below NGVD, May 22, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1039	6.35	23...	1021	1.68
23...	1425	4.93	MAY		
NOV			23...	1014	1.69
20...	1024	2.80	JUN		
DEC			19...	0949	4.06
18...	1101	2.25	JUL		
JAN			24...	1037	4.10
23...	0934	2.22	AUG		
FEB			20...	0923	3.52
20...	0856	2.39			
MAR					
19...	1010	1.61			



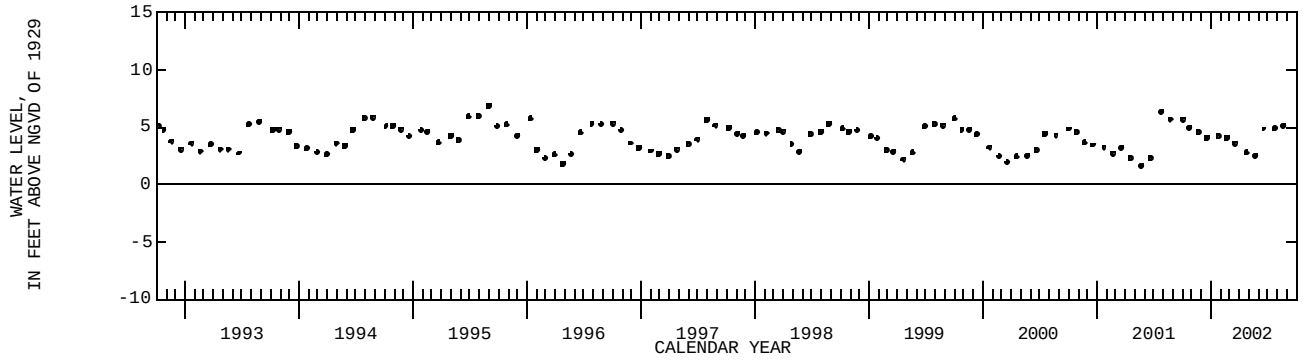
COLLIER COUNTY--Continued

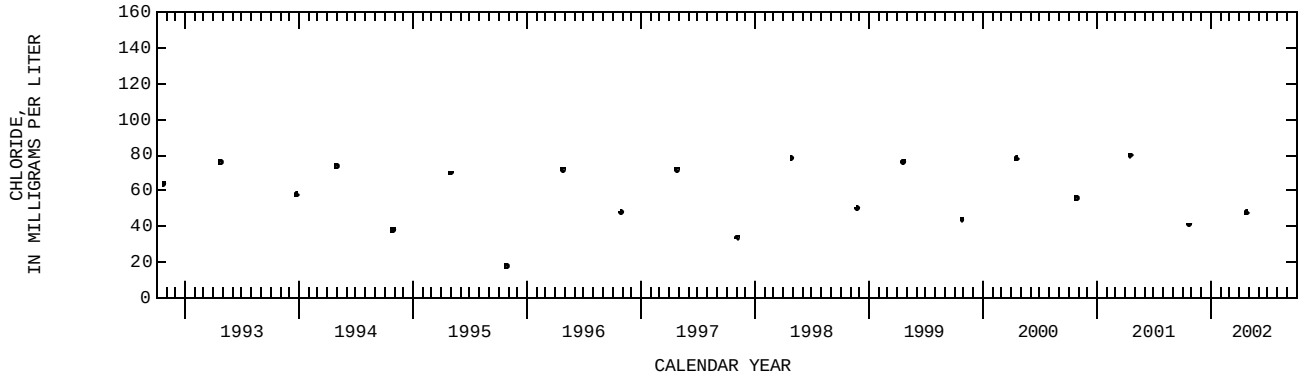
WELL NUMBER.--260224081394301. Local Number C 1186.

LOCATION.--Lat 26°03'04", long 81°39'15", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.6, T.51 S., R.27 E., Hydrologic Unit 03090204, 30 ft east of Greenway Road, 1.15 mi north of U.S. Highway 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
02...	1107	--	--	5.66
23...	1332	661	41.0	4.90
NOV				
20...	1354	--	--	4.57
DEC				
18...	0925	--	--	4.07
JAN				
23...	0905	--	--	4.20
FEB				
20...	0829	--	--	4.06
MAR				
19...	0926	--	--	3.60
APR				
23...	0929	756	48.0	2.78
MAY				
23...	0923	--	--	2.50
JUN				
19...	0914	--	--	4.84
JUL				
24...	1002	--	--	4.88
AUG				
20...	0906	--	--	5.08





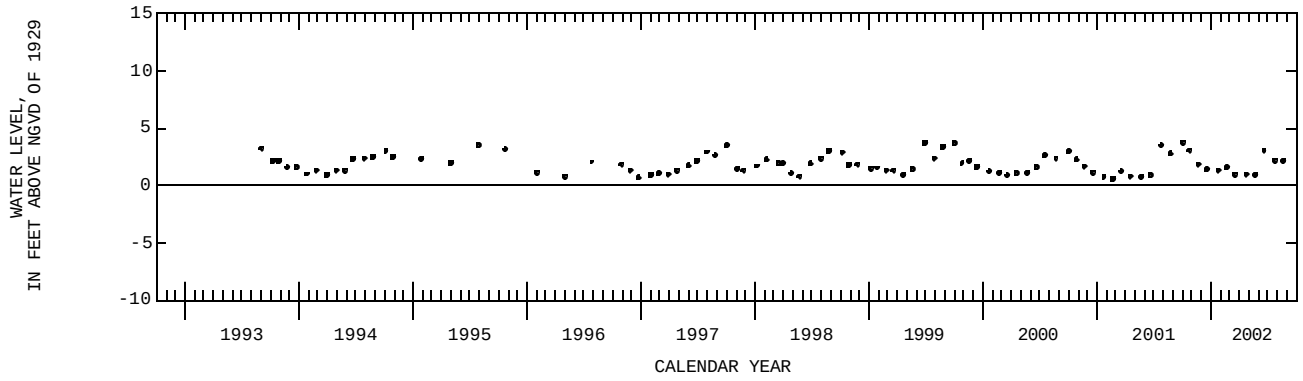
COLLIER COUNTY--Continued

WELL NUMBER.--260251081412801. Local Number C 1092.

LOCATION.--Lat 26°02'52", long 81°41'28", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.10, T.51 S., R.26 E., Hydrologic Unit 03090204, 25 ft north of Manatee Road, 0.5 mi east of State Road 951, 1.1 mi south of Tamiami Trail (U.S. Highway 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, 3.75 ft NGVD, Oct. 2, 2001; lowest, 0.55 ft NGVD, Feb. 20, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1208	3.75	23...	0911	.97
23...	1323	3.08	MAY		
NOV			23...	0919	.91
20...	0839	1.83	JUN		
DEC			19...	0902	3.08
18...	0912	1.37	JUL		
JAN			24...	0950	2.21
23...	0849	1.29	AUG		
FEB			20...	0854	2.10
20...	0819	1.57			
MAR					
19...	0912	.95			



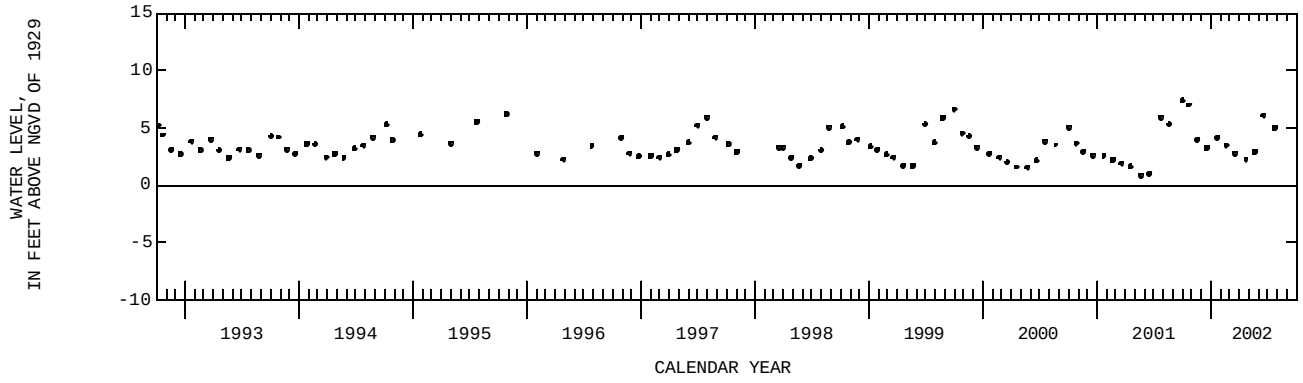
COLLIER COUNTY--Continued

WELL NUMBER.--260314081323101. Local Number C 1067

LOCATION.--Lat 26°03'15", long 81°32'31", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 (U.S. Interstate 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, open hole 30 to 65 ft.
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.
REMARKS.--Well was destroyed August 2002, replacement well is scheduled for the 2003 water year.
PERIOD OF RECORD.--April 1986 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to August 2002.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
01...	1052	7.38	18...	1010	2.75
22...	1110	6.99	APR		
NOV			22...	1007	2.25
19...	1643	3.95	MAY		
DEC			21...	1014	2.86
17...	1014	3.22	JUN		
JAN			18...	0955	6.10
22...	1003	4.10	JUL		
FEB			23...	1152	4.96
19...	0943	3.45			



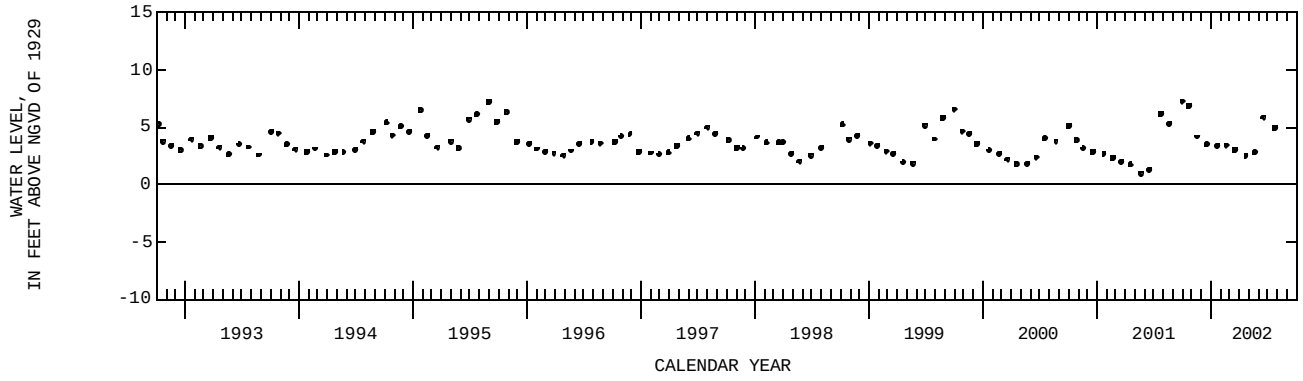
COLLIER COUNTY--Continued

WELL NUMBER.--260314081323102. Local Number C 1068.

LOCATION.--Lat 26°03'15", long 81°32'31", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 (U.S. Interstate 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 7.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of rebar, 1.40 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 5.40 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 3.39 ft above land-surface datum. See REMARKS.
REMARKS.--In the 2002 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. Well was destroyed August 2002 and replacement well is scheduled for the 2003 water year. See DATUM.
PERIOD OF RECORD.--April 1986 to August 2002.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
01...	1053	7.25	18...	1012	2.99
22...	1111	6.87	APR		
NOV			22...	1009	2.46
19...	1047	4.14	MAY		
DEC			21...	1016	2.75
17...	1016	3.46	JUN		
JAN			18...	0958	5.86
22...	1005	3.35	JUL		
FEB			23...	1154	4.93
19...	0944	3.43			



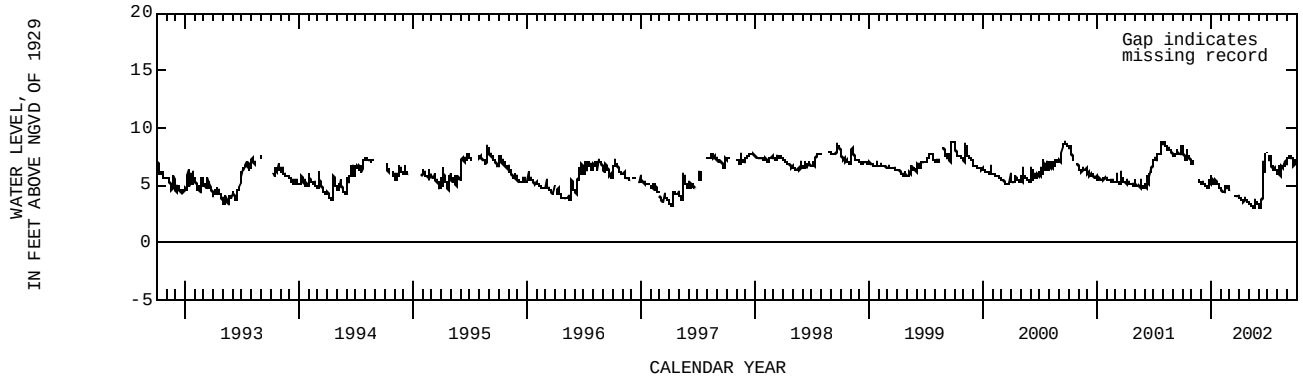
COLLIER COUNTY--Continued

WELL NUMBER.--260334081391601. Local Number C 968.

LOCATION.--Lat 26°03'37", long 81°39'15", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Highway 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 7.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.70 ft above land-surface datum. Prior to October 1, 2001, land-surface datum was considered to be 6.50 ft NGVD and the top of recorder shelf was considered to be 2.85 ft above land-surface datum. See REMARKS.
REMARKS.--On December 2, 2002, the well was re-leveled and the measuring point elevation was found to be in error by 0.56 ft. The figures of water levels as elevation, in feet NGVD, prior to October 2001, are in error by -0.56 ft. Corrected figures of water levels as elevation prior to October 1, 2001, are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--October 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.82 ft NGVD (present datum), Sept. 17, 18, 2000; lowest, 2.56 ft NGVD (present datum), June 2, 1989 (estimated).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.70	7.06	5.05	5.43	4.47	---	3.82	3.35	3.05	6.98	6.57	7.51
10	7.31	---	5.14	5.08	4.33	---	3.67	3.24	3.73	7.44	5.85	7.51
15	7.62	---	4.98	5.46	4.31	---	3.60	3.10	6.94	6.48	6.60	7.22
20	---	---	4.85	5.16	4.78	4.04	3.80	3.61	7.32	6.26	6.71	6.94
25	7.16	5.31	5.33	4.91	4.88	4.09	3.54	3.50	---	6.30	6.63	6.76
EOM	6.92	5.21	5.75	4.64	4.63	3.97	3.47	3.28	---	5.99	6.74	6.88
MAX	---	---	5.75	5.72	4.96	---	3.95	3.65	---	---	7.14	7.56



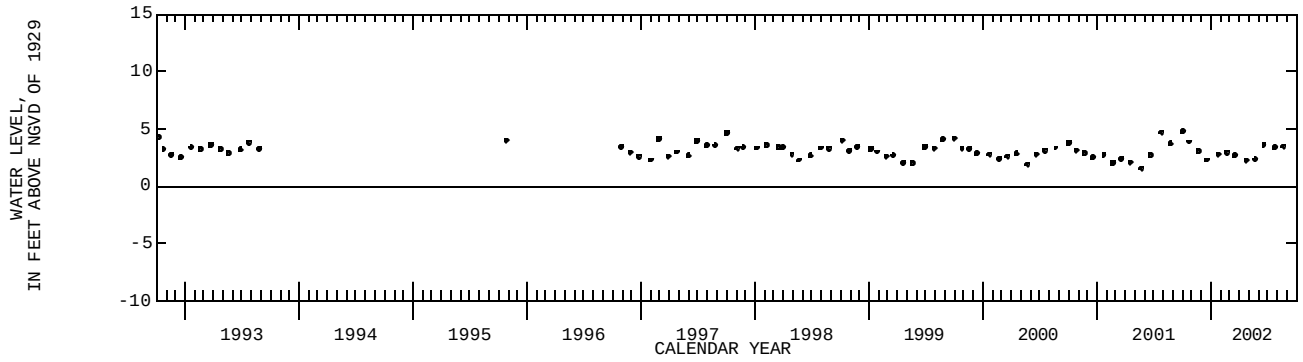
COLLIER COUNTY--Continued

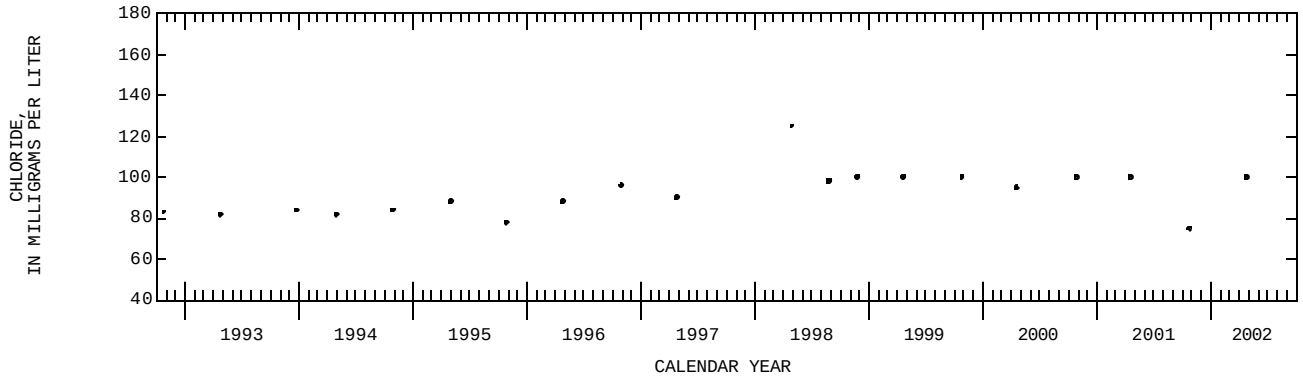
WELL NUMBER.--260549081441901. Local Number C 600.

LOCATION.--Lat 26°05'52", long 81°44'19", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.19, T.50 S., R.26 E., Hydrologic Unit 03090204, at northeast corner of the intersection of Saint Andrews Boulevard and U.S. Highway 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. See REMARKS.
REMARKS.--Well is also used for salinity monitoring. The minimum for period of record in 1988 is an actual measured water level not the recorded water level.
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 water level measured, 0.99 ft NGVD, Aug. 29, 1988.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
02...	1309	--	--	4.76
23...	1303	899	75.0	3.85
NOV				
20...	0825	--	--	3.08
DEC				
18...	1127	--	--	2.27
JAN				
23...	0837	--	--	2.77
FEB				
20...	1016	--	--	2.95
MAR				
19...	1117	--	--	2.68
APR				
23...	1345	884	100	2.23
MAY				
23...	0856	--	--	2.33
JUN				
19...	0848	--	--	3.56
JUL				
24...	0941	--	--	3.34
AUG				
20...	1118	--	--	3.47





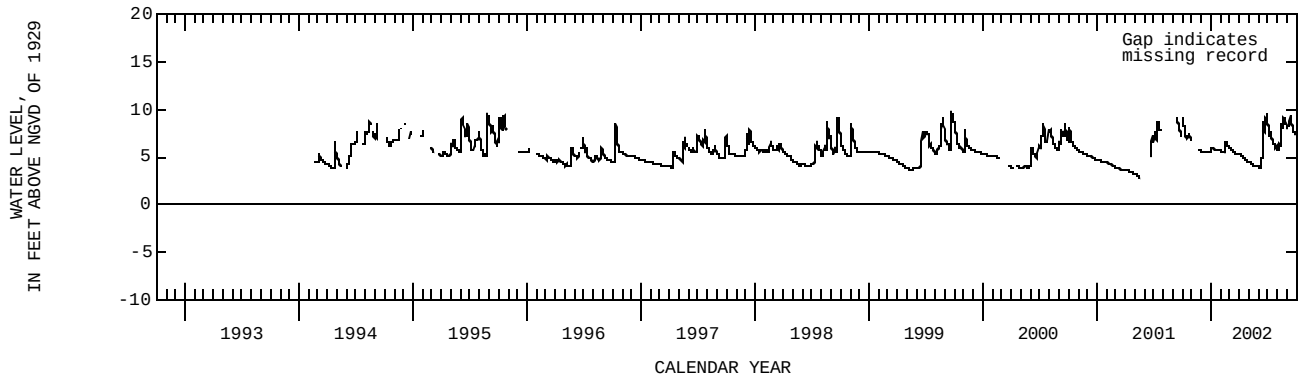
COLLIER COUNTY--Continued

WELL NUMBER.--260632081324702. Local Number C 690.

LOCATION.--Lat 26°06'34", long 81°32'35", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Interstate 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.35	---	5.60	5.93	5.57	5.77	5.17	4.42	3.92	7.39	5.86	8.60
10	7.38	---	5.63	5.82	5.47	5.64	5.02	4.26	4.79	7.63	6.24	8.68
15	7.19	---	5.61	5.75	5.40	5.53	4.87	4.08	8.59	6.71	8.38	8.63
20	7.23	5.84	5.59	5.82	6.33	5.40	4.74	4.05	8.98	6.40	8.45	7.98
25	6.96	5.75	5.53	5.73	6.07	5.31	4.62	4.13	9.15	5.94	9.03	7.40
EOM	6.52	5.65	5.68	5.63	5.93	5.30	4.56	4.07	8.85	5.83	7.93	7.44
MAX	9.03	---	5.68	5.93	6.67	5.89	5.26	4.53	---	8.49	9.03	9.20



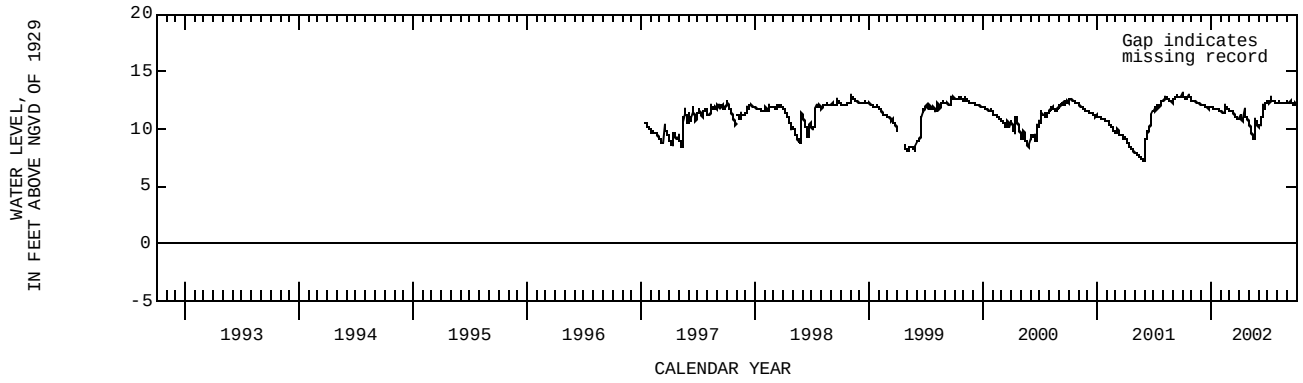
COLLIER COUNTY--Continued

WELL NUMBER.--260640081204301. Local Number C 296.

LOCATION.--Lat 26°06'45", long 81°20'42", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.18, T.50 S., R.30 E., Hydrologic Unit 03090204, west of State Road 29, 3 mi south of U.S. Interstate 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.76	12.46	12.03	11.86	11.46	11.52	11.01	10.24	10.39	12.25	12.24	12.27
10	12.62	12.39	12.05	11.78	11.35	11.45	10.76	9.71	11.00	12.69	12.21	12.16
15	12.70	12.30	11.95	11.79	11.34	11.28	10.89	9.22	12.13	12.37	12.17	12.26
20	12.80	12.21	11.83	11.72	11.77	11.11	11.17	10.89	12.08	12.39	12.25	12.06
25	12.69	12.16	11.90	11.63	11.69	10.93	11.00	10.67	12.22	12.26	12.14	12.08
EOM	12.50	12.10	11.92	11.54	11.62	10.70	10.70	10.17	12.25	12.20	12.47	12.14
MAX	12.93	12.49	12.09	11.93	12.02	11.61	11.71	10.90	12.33	12.69	12.47	12.47



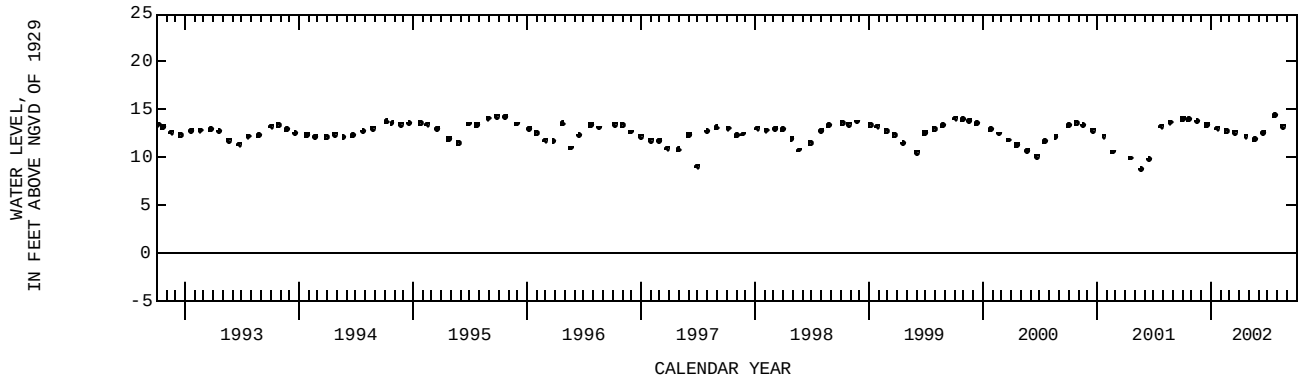
COLLIER COUNTY--Continued

WELL NUMBER.--260813081214302. Local Number C 1070.

LOCATION.--Lat 26°09'15", long 81°21'43", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.1, T.50 S., R.29 E., Hydrologic Unit 03090204, 45 ft south of Alligator Alley (U.S. Interstate 75), 1.0 mi west of State Road 29 on U.S. Interstate 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, 100 to 205 ft of open hole.
INSTRUMENTATION.--Monthly measurement with chalked tape.
DATUM.--Land-surface datum is 14.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum. Prior to October 2001 land-surface datum was considered to be 13.37 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 4.03 ft above land-surface datum. See REMARKS.
REMARKS.--In the 2002 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, 14.35 ft NGVD, Aug. 19, 2002; lowest, 7.10 ft NGVD, June 26, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0854	14.00	22...	1405	12.20
22...	1410	13.96	MAY		
NOV			21...	1347	11.86
19...	1304	13.72	JUN		
DEC			18...	1236	12.57
17...	1237	13.38	JUL		
JAN			23...	1441	14.35
22...	1256	13.03	AUG		
FEB			19...	1225	13.25
19...	1232	12.80			
MAR					
18...	1250	12.65			



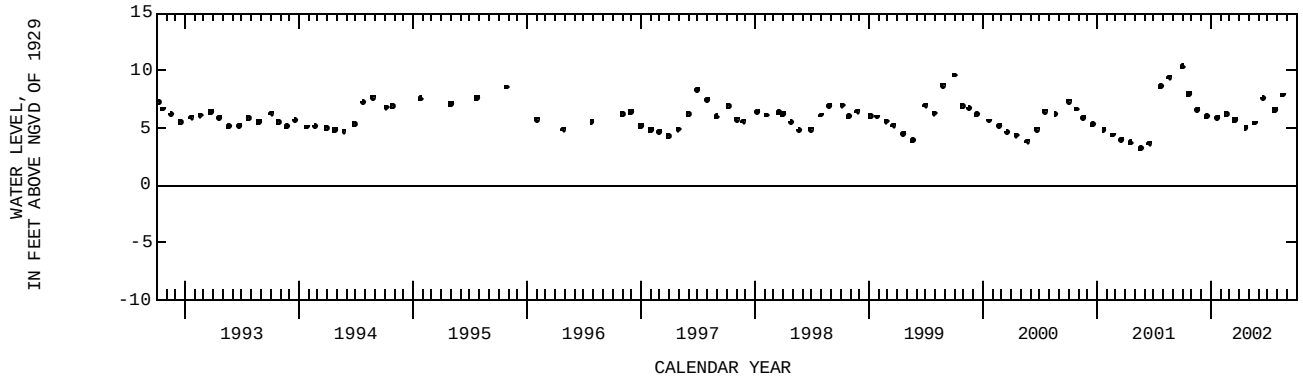
COLLIER COUNTY--Continued

WELL NUMBER.--260843081324201. Local Number C 973.

LOCATION.--Lat 26°08'44", long 81°32'37", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Interstate 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1015	10.32	22...	0932	4.97
22...	1025	7.97	MAY		
NOV			21...	0944	5.41
19...	0952	6.53	JUN		
DEC			18...	0913	7.55
17...	0936	5.99	JUL		
JAN			23...	1004	6.57
22...	0930	5.86	AUG		
FEB			19...	0931	7.86
19...	0908	6.20			
MAR					
18...	0944	5.68			



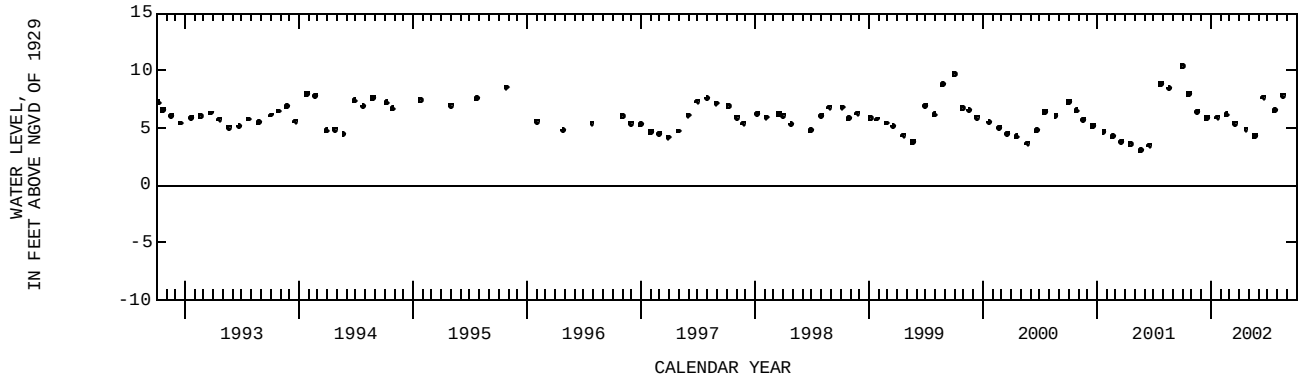
COLLIER COUNTY--Continued

WELL NUMBER.--260843081324202. Local Number C 972.

LOCATION.--Lat 26°08'44", long 81°32'37", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Interstate 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1020	10.38	22...	0935	4.84
22...	1024	7.94	MAY		
NOV			21...	0943	4.31
19...	0951	6.38	JUN		
DEC			18...	0911	7.64
17...	0937	5.85	JUL		
JAN			23...	0959	6.48
22...	0928	5.93	AUG		
FEB			19...	0929	7.81
19...	0906	6.12			
MAR					
18...	0940	5.36			



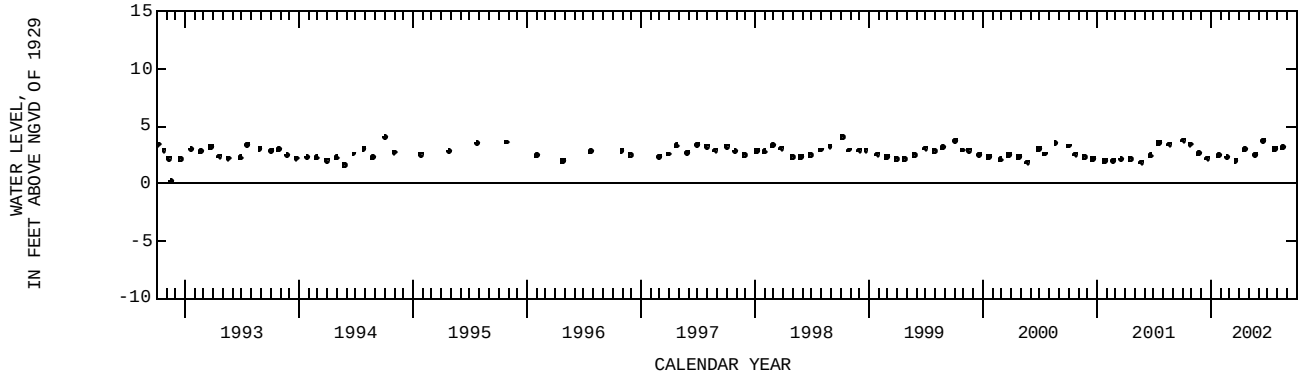
COLLIER COUNTY--Continued

WELL NUMBER.--260902081480401. Local Number C 130.

LOCATION.--Lat 26°09'01", long 81°48'23", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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. Prior to October 2000, land-surface datum was 5.49 ft NGVD. Prior to 1959, land-surface datum was 5.44 ft NGVD. Prior to 1955, land-surface datum was 5.39 ft NGVD. Measuring point: top of flange, 2.10 ft above land-surface datum. Prior to October 1, 2000, top of flange was considered to be 7.96 ft above land-surface datum. From 1978 to October 1986, the measuring point was top of casing 2.40 ft above land-surface datum. From 1955 to 1958 the measuring point was top of casing 2.50 ft above land-surface datum. See REMARKS.
REMARKS.--The figures of water levels as elevation, in ft NGVD, are in error for water years 1986 to 2000. Records of water levels prior to October 1983 are in the files of the U.S. Geological Survey. See DATUM.
PERIOD OF RECORD.--July 1952 to June 1958 (daily), June 1958 to September 1982 (semiannual), September 1982 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 recorded, 5.44 ft NGVD, Sept. 5, 1957; lowest water level measured, 0.03 ft NGVD, May 7, 1974.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1131	3.77	19...	1047	2.93
26...	1130	3.40	MAY		
NOV			23...	1038	2.47
23...	1345	2.59	JUN		
DEC			18...	1038	3.67
20...	1209	2.19	JUL		
JAN			23...	1105	2.98
25...	1252	2.43	AUG		
FEB			19...	1110	3.10
22...	1024	2.24			
MAR					
21...	1057	1.94			



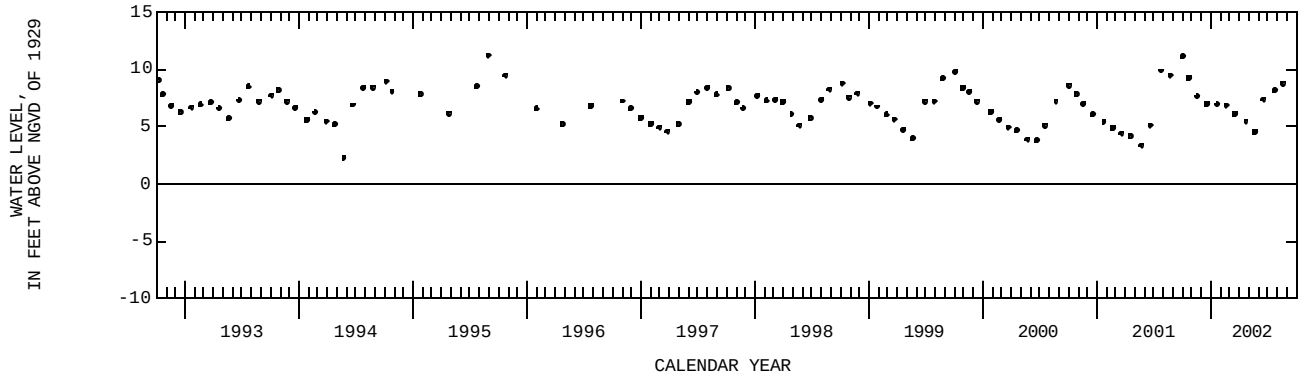
COLLIER COUNTY--Continued

WELL NUMBER.--260915081385901. Local Number C 976.

LOCATION.--Lat 26°09'16", long 81°38'47", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.31, T.49 S., R.27 E., Hydrologic Unit 03090204, 32 ft south of U.S. Interstate 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 11.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 10.95 ft above National Geodetic Vertical datum of 1929 and measuring point was considered to be 4.30 ft above land-surface datum. See REMARKS.
REMARKS.--In the 2002 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, 11.20 ft NGVD, Aug. 28, 1995; lowest, 2.24 ft NGVD, May 23, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0832	11.11	22...	1334	5.46
22...	1342	9.22	MAY		
NOV			21...	1325	4.52
19...	1244	7.61	JUN		
DEC			18...	1219	7.35
17...	1218	6.94	JUL		
JAN			23...	1422	8.11
22...	1237	6.92	AUG		
FEB			19...	1208	8.78
19...	1211	6.85			
MAR					
18...	1230	6.10			



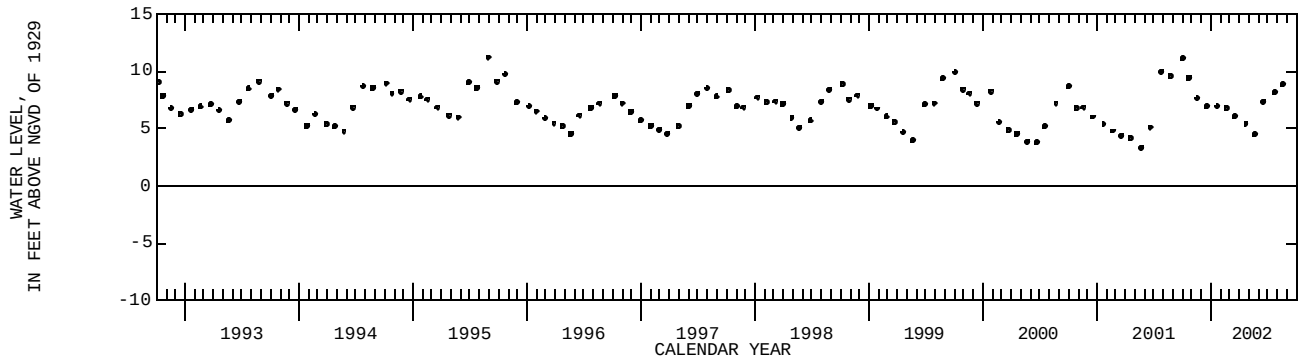
COLLIER COUNTY--Continued

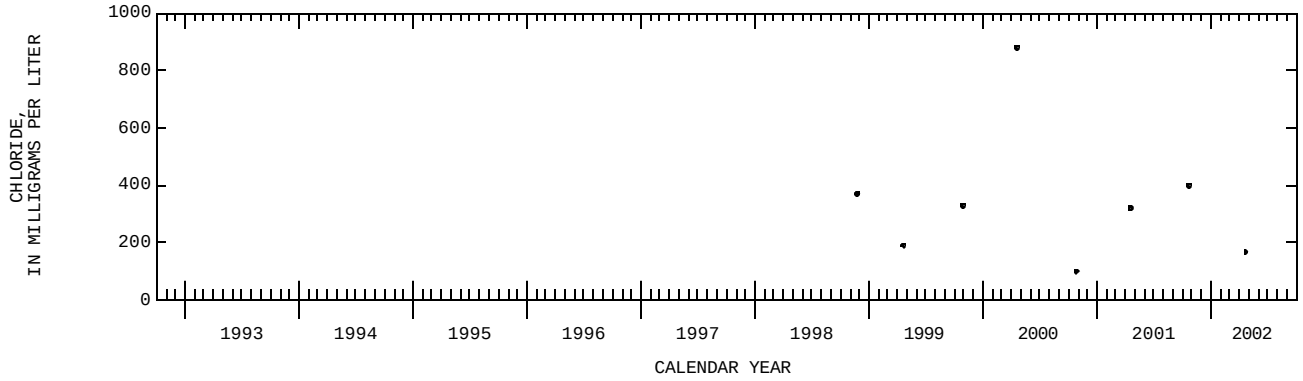
WELL NUMBER.--260915081385902. Local Number C 977.

LOCATION.--Lat 26°09'16", long 81°38'47", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.31, T.49 S., R.27 E., Hydrologic Unit 03090204, 32 ft south of U.S. Interstate 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 the 2001 water year. Data collected prior to 2001 are available in the files of the U.S. Geological Survey.
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
02...	0835	--	--	11.10
22...	1343	2170	400	9.40
NOV				
19...	1248	--	--	7.60
DEC				
17...	1220	--	--	6.92
JAN				
22...	1239	--	--	6.90
FEB				
19...	1214	--	--	6.76
MAR				
18...	1234	--	--	6.01
APR				
22...	1337	1770	165	5.40
MAY				
21...	1327	--	--	4.48
JUN				
18...	1221	--	--	7.31
JUL				
23...	1424	--	--	8.14
AUG				
19...	1210	--	--	8.80





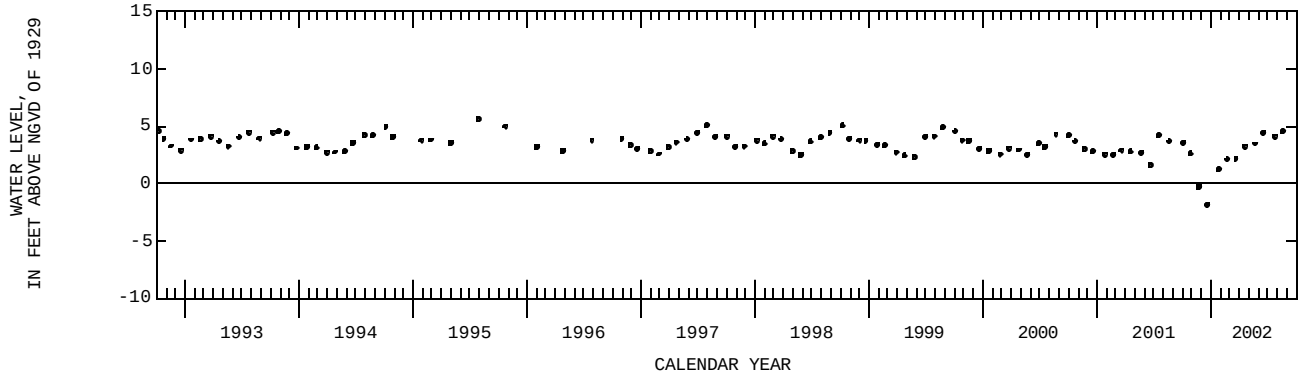
COLLIER COUNTY--Continued

WELL NUMBER.--260919081460501. Local Number C 1052.

LOCATION.--Lat 26°11'41", long 81°46'10", in NW 1/4 SE 1/4 SE 1/4 sec.35, T.49 S., R.25 E., Hydrologic Unit 03090204, 250 ft west and 1100 ft north of Junction of County Road 31 and State Road 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, screened 10 to 25 ft.
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 corrected. The figures of water levels as elevation, in feet NGVD, published prior to October 2000 are in error. Corrected records are available in the files of the U.S. Geological Survey. 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 (current datum); lowest, 1.90 ft below NGVD, December 20, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1130	3.54	19...	1026	3.23
26...	1106	2.60	MAY		
NOV			23...	1319	3.44
23...	1328	-.30	JUN		
DEC			18...	1012	4.37
20...	1150	-1.90	JUL		
JAN			23...	1042	4.12
25...	1223	1.20	AUG		
FEB			19...	1037	4.54
22...	1000	2.07			
MAR					
21...	1036	2.10			



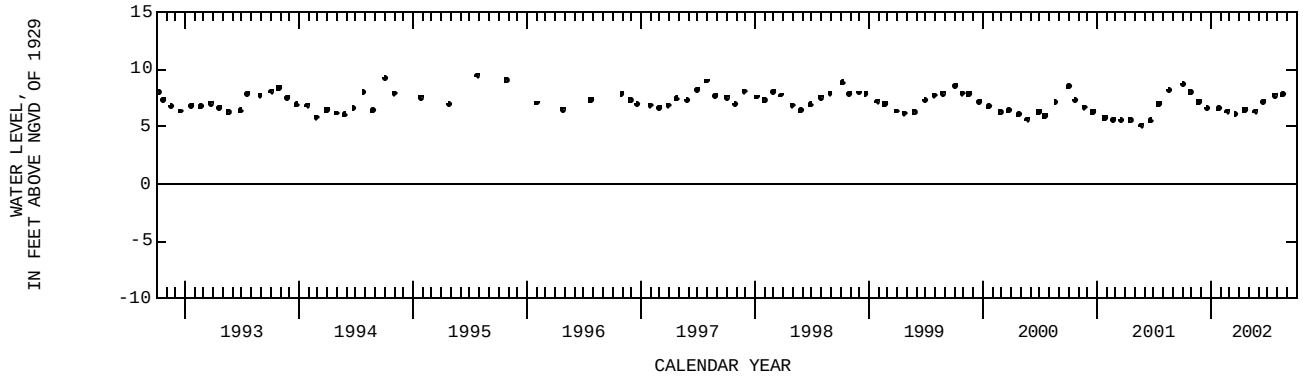
COLLIER COUNTY--Continued

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 U.S. Highway 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, screened 10 to 24 ft.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1122	8.63	19...	1052	6.43
26...	1134	8.03	MAY		
NOV			23...	1051	6.32
23...	1352	7.14	JUN		
DEC			18...	1049	7.11
20...	1215	6.55	JUL		
JAN			23...	1115	7.71
25...	1257	6.57	AUG		
FEB			19...	1131	7.79
22...	1030	6.32			
MAR					
21...	1107	6.03			



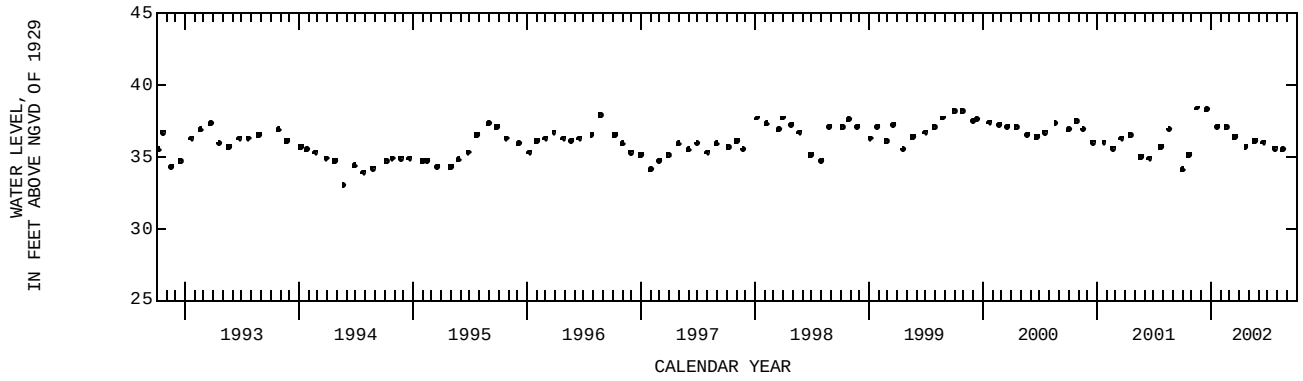
COLLIER COUNTY--Continued

WELL NUMBER.--260941081324201. Local Number C 974.

LOCATION.--Lat 26°09'40", long 81°32'39", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Interstate 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	0954	34.10	22...	0930	35.70
22...	1020	35.10	MAY		
NOV			21...	0935	36.10
19...	0943	38.40	JUN		
DEC			18...	0904	36.00
17...	0927	38.30	JUL		
JAN			23...	0948	35.60
22...	0922	37.10	AUG		
FEB			19...	0925	35.50
19...	0857	37.10			
MAR					
18...	0932	36.40			



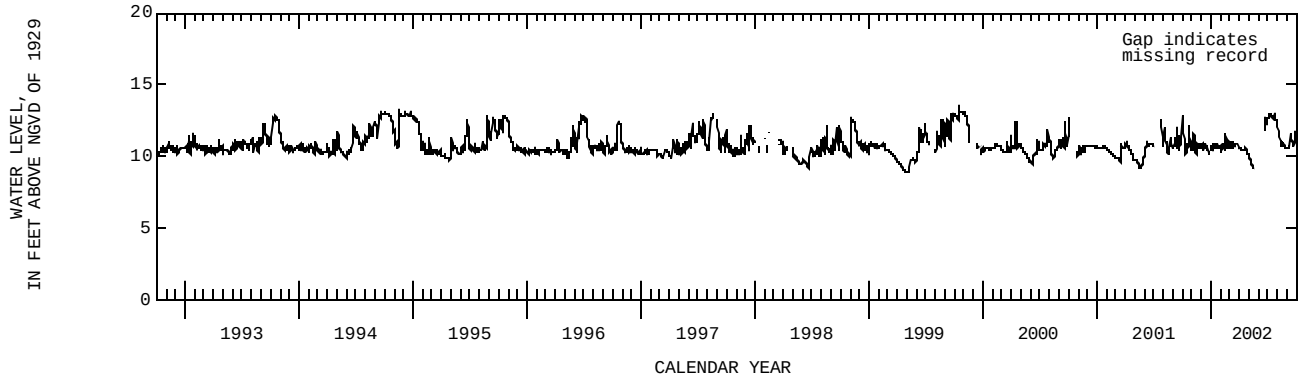
COLLIER COUNTY--Continued

WELL NUMBER.--261000080520001. Local Number C 54.

LOCATION.--Lat 26°10'21", long 80°53'00", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.36, T.49 S., R.34 E., Hydrologic Unit 03090204, on the south side of U.S. Interstate 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 flange, 2.84 ft above land-surface datum. Prior to June 2002, measuring point was top of shelf at 2.88 ft above land-surface datum. See REMARKS.
REMARKS.--Station was damaged on May 21, 2002, and was reconstructed on June 21, 2002.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.58	11.54	10.50	10.27	10.53	10.79	10.55	9.78	---	12.59	11.42	10.57
10	10.40	10.42	10.77	10.87	10.84	10.90	10.42	9.50	---	12.87	11.04	10.53
15	10.29	10.78	10.41	10.85	10.55	10.53	10.46	9.24	---	12.75	11.04	11.31
20	10.95	10.70	10.49	10.77	11.01	10.88	10.58	9.14	---	12.56	10.78	10.76
25	11.06	10.45	10.02	10.71	10.98	10.84	10.42	---	12.58	12.74	10.56	11.75
EOM	10.51	10.44	10.54	10.78	10.85	10.51	10.09	---	12.26	12.39	10.60	11.40
MAX	12.55	11.61	---	10.89	11.57	11.00	10.58	---	---	12.99	12.19	11.75



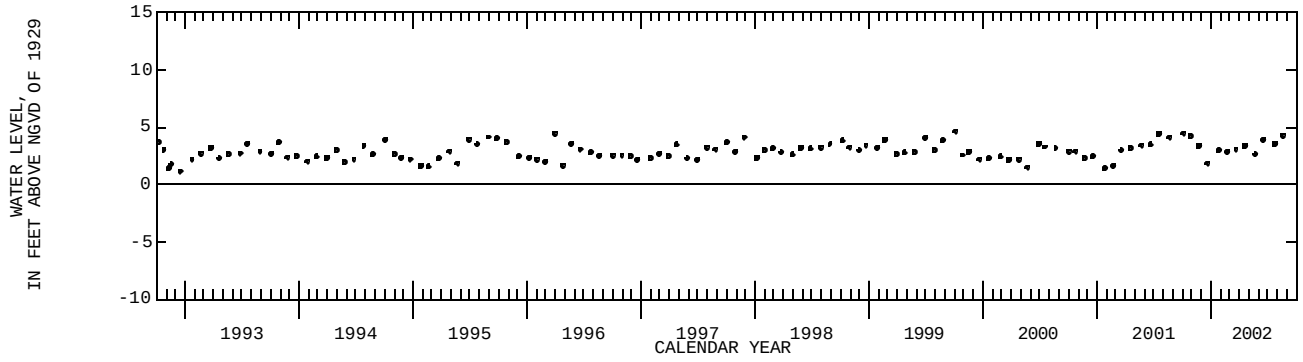
COLLIER COUNTY--Continued

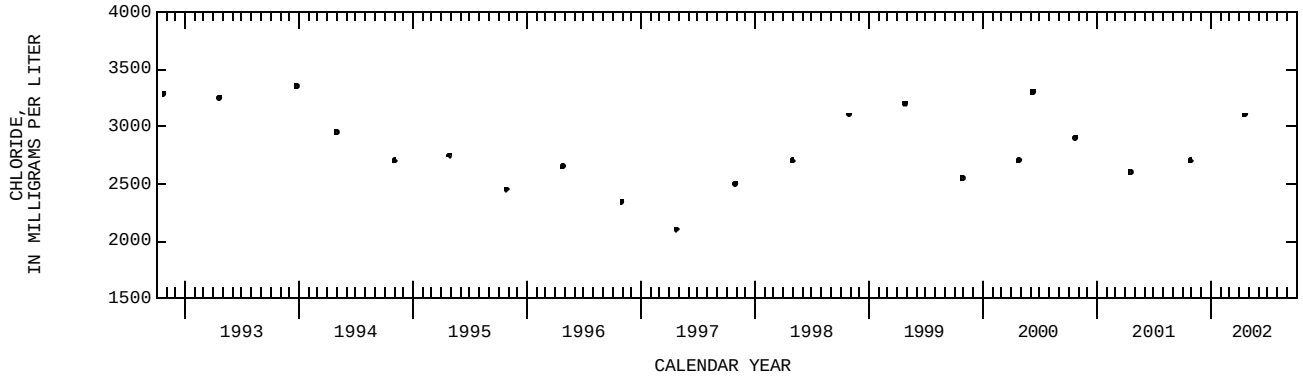
WELL NUMBER.--261018081484101. Local Number C 526.

LOCATION.--Lat 26°10'18", long 81°48'42", in NW $^1/_4$ SW $^1/_4$ SE $^1/_4$ 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1131	--	--	4.46
26...	1154	10400	2700	4.24
NOV				
23...	1400	--	--	3.35
DEC				
20...	1223	--	--	1.86
JAN				
25...	1304	--	--	2.95
FEB				
22...	1037	--	--	2.85
MAR				
21...	1117	--	--	3.06
APR				
19...	1109	10600	3100	3.36
MAY				
23...	1113	--	--	2.60
JUN				
18...	1058	--	--	3.86
JUL				
23...	1130	--	--	3.53
AUG				
19...	1140	--	--	4.28





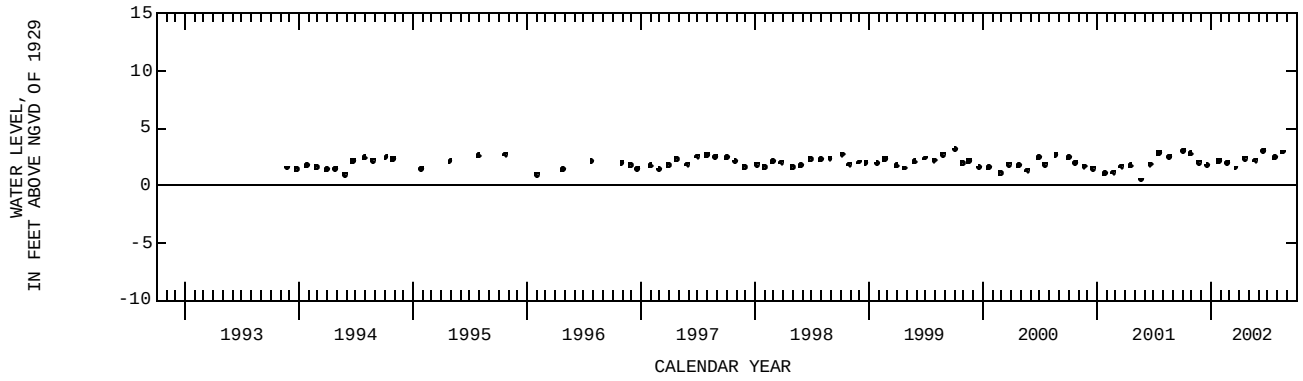
COLLIER COUNTY--Continued

WELL NUMBER.--261023081463702. Local Number C 1100.

LOCATION.--Lat 26°11'41", long 81°46'10", in NW 1/4 NE 1/4 SW 1/4 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 County Road 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, 0.48 ft NGVD, May 22, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1032	3.02	19...	1013	2.38
26...	1042	2.75	MAY		
NOV			23...	0959	2.20
23...	1315	2.03	JUN		
DEC			18...	0943	3.01
20...	1134	1.72	JUL		
JAN			23...	0950	2.40
25...	1208	2.11	AUG		
FEB			19...	1007	2.91
22...	0945	1.97			
MAR					
21...	1018	1.52			



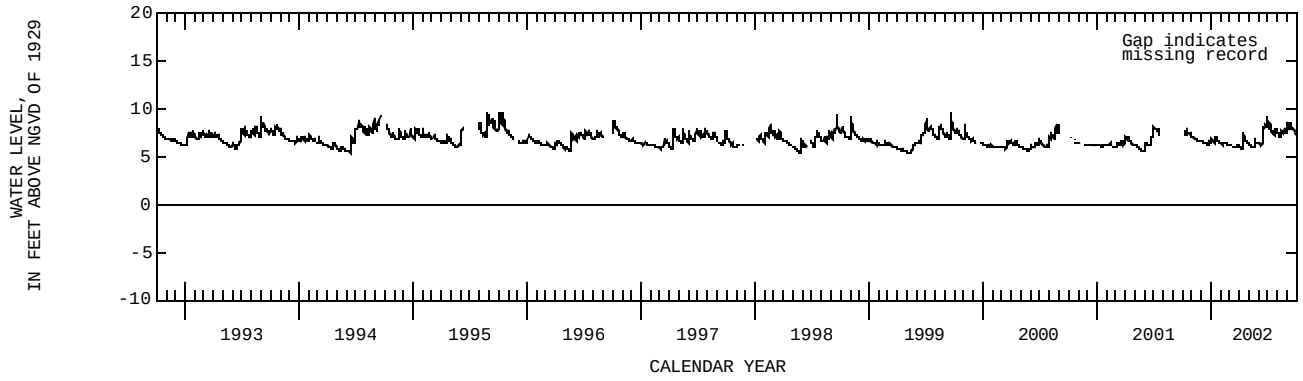
COLLIER COUNTY--Continued

WELL NUMBER.--261124081470101. Local Number C 392.

LOCATION.--Lat 26°11'24", long 81°47'29", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.22, T.49 S., R.25 E., Hydrologic Unit 03090204, 30 ft east of State Road 851, 1.4 mi south of State Road 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 10.00 ft above National Geodetic Vertical Datum of 1929 and measuring point was 0.02 ft below land-surface datum. See REMARKS.
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. In the 2001 water year the station was reconstructed and resurveyed. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	7.04	6.52	6.67	6.31	6.19	5.92	6.27	6.37	7.77	7.35	7.94
10	7.42	6.91	6.52	6.52	6.46	---	5.78	6.13	6.22	8.10	7.08	8.53
15	7.90	6.76	6.39	7.07	6.35	6.08	7.27	6.00	7.75	7.54	7.65	7.95
20	7.56	6.72	6.35	6.81	6.28	6.08	6.87	6.77	8.07	7.57	7.58	7.94
25	7.34	6.61	6.53	6.52	6.25	6.26	6.52	6.44	8.33	7.66	7.78	7.61
EOM	7.10	6.59	6.94	6.40	6.21	6.11	6.41	6.40	8.90	7.65	8.52	7.37
MAX	---	7.09	6.94	7.07	6.46	---	7.48	6.77	9.07	8.67	8.52	8.59



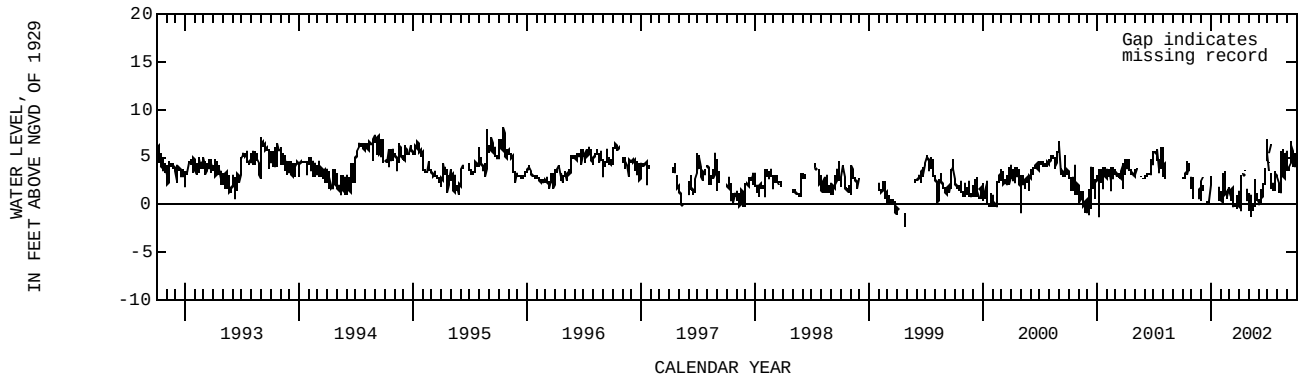
COLLIER COUNTY--Continued

WELL NUMBER.--261124081470301. Local Number C 391.

LOCATION.--Lat 26°11'24", long 81°47'32", in NW $^1/_4$ SE $^1/_4$ SE $^1/_4$ sec.22, T.49 S., R.25 E., Hydrologic Unit 03090204, 10 ft east of North 14th Street, 1.4 mi south of State Road 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 with pressure transducer. See REMARKS.
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 U.S. Geological Survey. Pressure transducer installed in July 2002.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.84	2.81	---	---	0.26	1.28	2.92	-0.78	0.59	4.38	2.10	3.67
10	3.11	---	---	---	3.28	0.48	---	0.90	0.14	6.16	1.24	3.82
15	4.40	---	---	---	3.34	0.03	3.18	-0.71	1.72	1.89	5.63	5.89
20	4.12	---	0.09	---	1.45	0.16	3.47	---	3.68	1.65	3.95	5.21
25	---	1.66	0.20	1.61	1.79	0.89	0.57	0.51	---	3.14	4.43	3.87
EOM	1.67	0.20	2.74	0.34	1.43	1.29	0.46	0.00	6.71	3.11	4.87	4.84
MAX	---	---	---	---	3.34	1.68	---	---	---	---	5.75	6.61



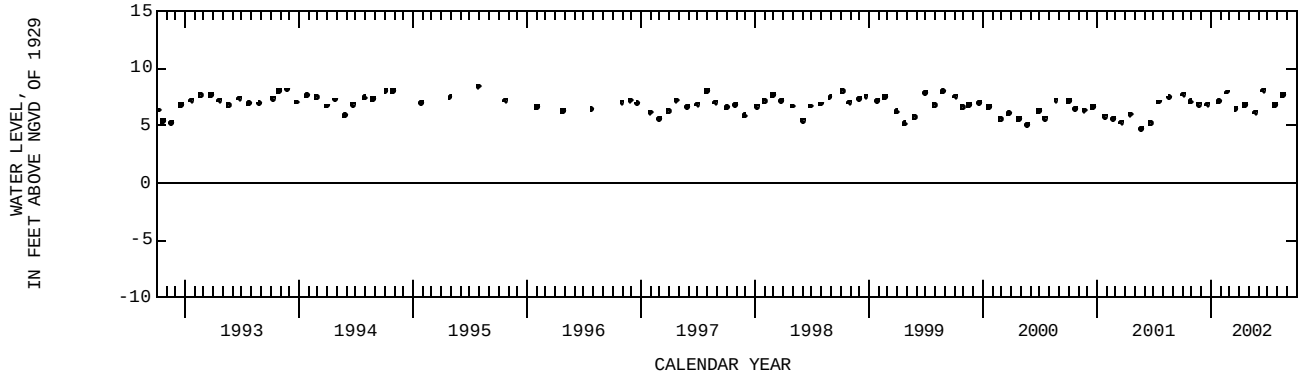
COLLIER COUNTY--Continued

WELL NUMBER.--261127081461001. Local Number C 1054.

LOCATION.--Lat 26°11'41", long 81°46'10", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.23, T.49 S., R.25 E., Hydrologic Unit 03090204, 500 ft west of County Road 31 and 10 ft south of Baily Lane and 1.4 mi south of Pine Ridge Road (State Road 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, screened 10 to 25 ft.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1004	7.71	19...	1000	6.81
26...	1033	7.06	MAY		
NOV			23...	0949	6.13
23...	1305	6.83	JUN		
DEC			18...	0935	8.04
20...	1127	6.85	JUL		
JAN			23...	0939	6.77
25...	1200	7.06	AUG		
FEB			19...	1001	7.63
22...	0936	7.91			
MAR					
21...	1010	6.45			



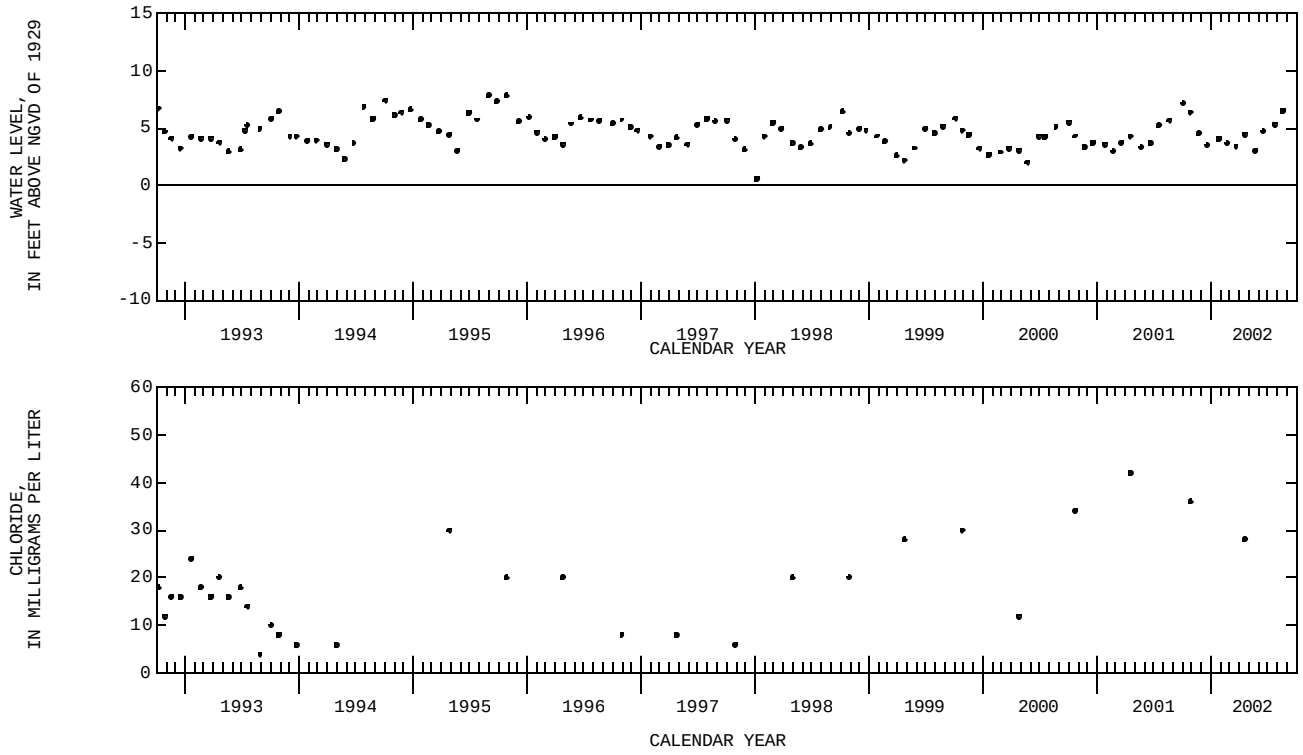
COLLIER COUNTY--Continued

WELL NUMBER.--261156081475801. Local Number C 516.

LOCATION.--Lat 26°11'56", long 81°47'58", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.15, T.49 S., R.25 E., Hydrologic Unit 03090204, 18 ft south of Morningside Drive, 300 ft east of U.S. Highway 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, 0.30 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 U.S. Geological Survey. In the 2001 water year the well was resurveyed and the land-surface datum and height of the measuring point were corrected. The figures of water levels as elevation, in feet NGVD, published prior to October 2000 are in error. Corrected records are in the files of the U.S. Geological Survey. 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 (current datum); lowest, 3.88 ft below NGVD, May 7, 1974 (current datum).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
05...	1153	--	--	7.14	19...	1148	613	28.0	4.47
26...	1314	674	36.0	6.39	MAY				
NOV					23...	1142	--	--	3.01
23...	1419	--	--	4.50	JUN				
DEC					18...	1133	--	--	4.68
20...	1242	--	--	3.45	JUL				
JAN					23...	1147	--	--	5.31
25...	1330	--	--	4.03	AUG				
FEB					19...	1218	--	--	6.50
22...	1054	--	--	3.63					
MAR									
21...	1137	--	--	3.39					



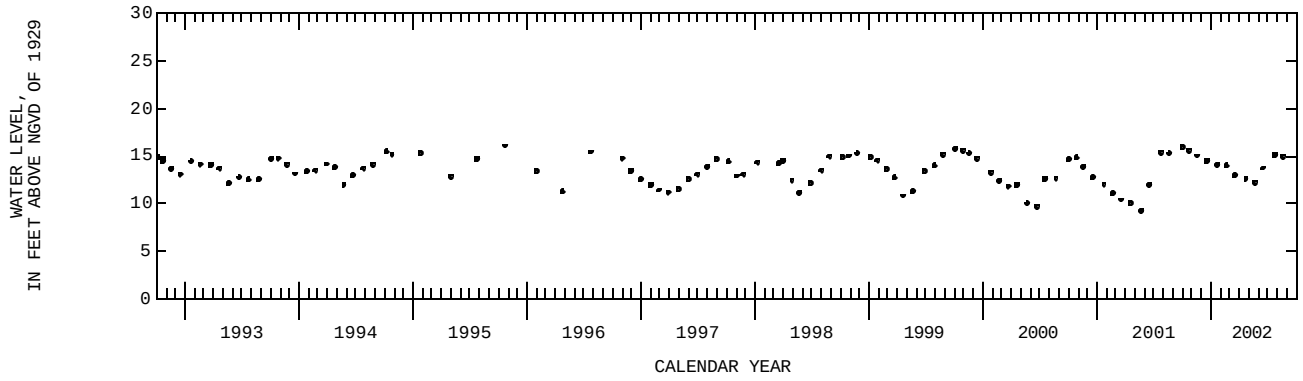
COLLIER COUNTY--Continued

WELL NUMBER.--261200081204901. Local Number C 986.

LOCATION.--Lat 26°12'03", long 81°20'48", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.18, T.49 S., R.30 E., Hydrologic Unit 03090204, 30 ft south of Fakahatchee Conservancy Club Road, 71 ft west of State Road 29, 3.4 mi north of U.S. Interstate 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1259	15.93	22...	1312	12.61
22...	1317	15.61	MAY		
NOV			21...	1258	12.27
19...	1223	15.01	JUN		
DEC			18...	1151	13.75
17...	1154	14.49	JUL		
JAN			23...	1353	15.09
22...	1211	14.09	AUG		
FEB			19...	1144	14.96
19...	1144	13.98			
MAR					
18...	1157	12.93			



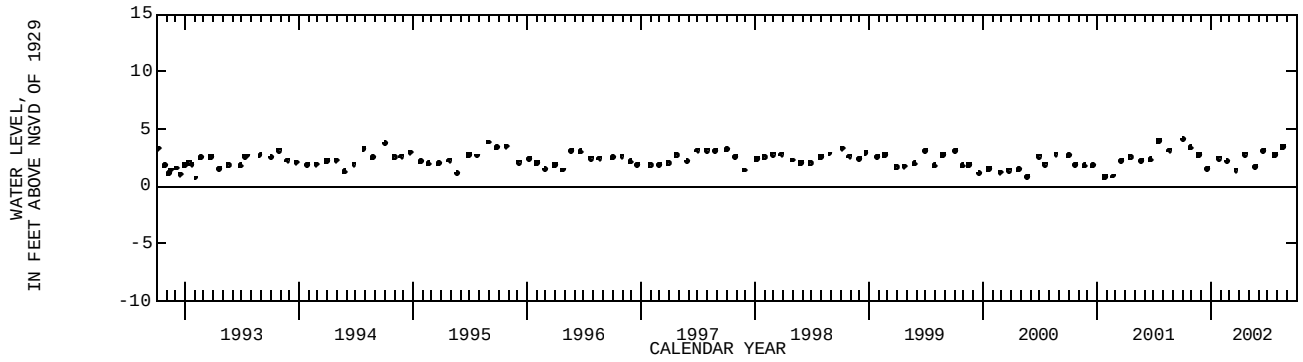
COLLIER COUNTY--Continued

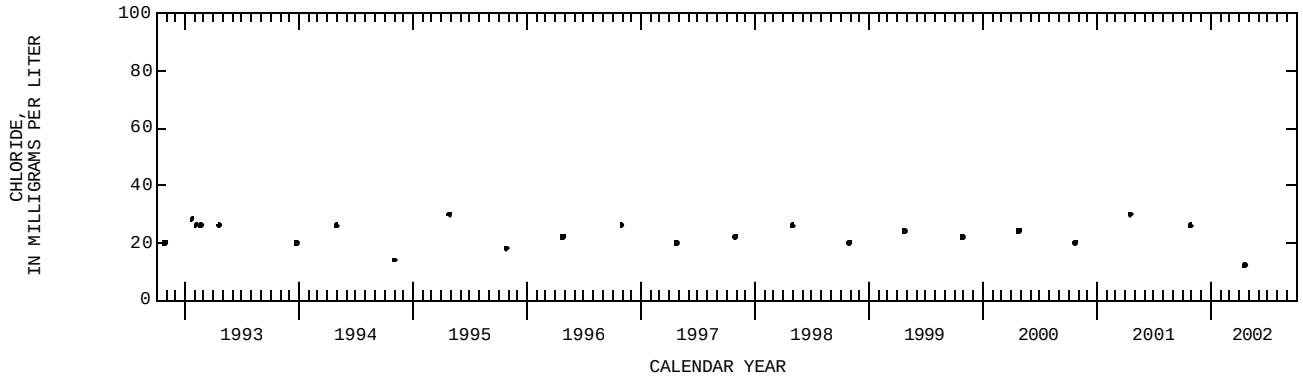
WELL NUMBER.--261200081483001. Local Number C 528.

LOCATION.--Lat 26°11'59", long 81°48'30", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1136	--	--	4.04
26...	1218	420	26.0	3.34
NOV				
23...	1409	--	--	2.70
DEC				
20...	1232	--	--	1.50
JAN				
25...	1315	--	--	2.44
FEB				
22...	1047	--	--	2.12
MAR				
21...	1128	--	--	1.38
APR				
19...	1130	419	12.0	2.75
MAY				
23...	1123	--	--	1.66
JUN				
18...	1108	--	--	3.03
JUL				
23...	1139	--	--	2.71
AUG				
19...	1149	--	--	3.40





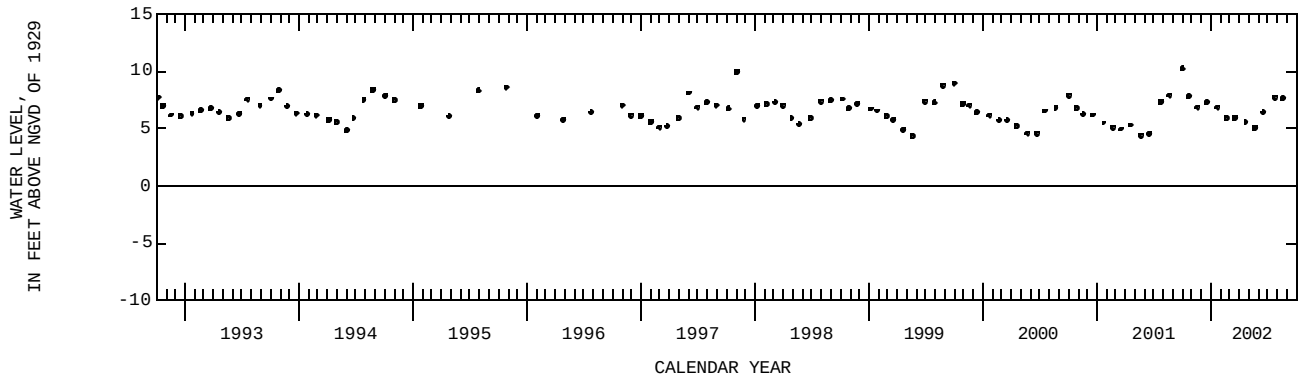
COLLIER COUNTY--Continued

WELL NUMBER.--261211081441301. Local Number C 1055.

LOCATION.--Lat 26°09'12", long 81°41'09", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.18, T.49 S., R.26 E., Hydrologic Unit 03090204, 200 ft west of U.S. Interstate 75 and 50 ft south of Pine Ridge Road (State Road 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, screened 10 to 25 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape.
DATUM.--Land-surface datum is 10.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 9.87 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 3.50 ft above land-surface datum. See REMARKS.
REMARKS.--In the 2002 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, 10.21 ft NGVD, Oct. 1, 2001; lowest, 4.35 ft NGVD, May 18, 1999.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	0823	10.21	22...	0835	5.52
22...	0924	7.75	MAY		
NOV			21...	0847	5.06
19...	0828	6.85	JUN		
DEC			18...	0808	6.36
17...	0832	7.26	JUL		
JAN			23...	0835	7.70
22...	0808	6.84	AUG		
FEB			19...	0813	7.60
19...	0804	5.90			
MAR					
18...	0824	5.92			



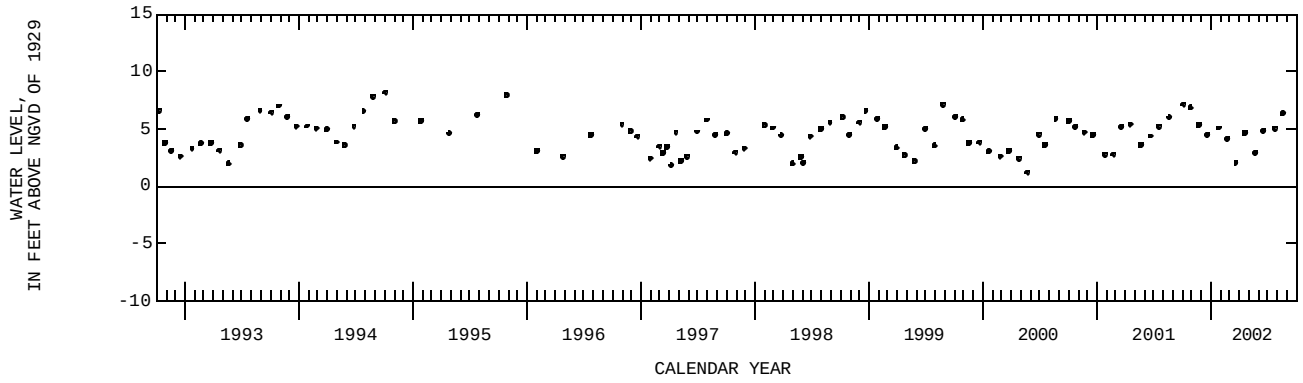
COLLIER COUNTY--Continued

WELL NUMBER.--261243081480301. Local Number C 490.

LOCATION.--Lat 26°13'17", long 81°48'00", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 U.S. Highway 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 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.--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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1349	7.14	19...	1508	4.61
26...	1530	6.85	MAY		
NOV			23...	1215	2.90
23...	1433	5.33	JUN		
DEC			18...	1303	4.78
20...	1251	4.45	JUL		
JAN			23...	1515	5.05
25...	1405	5.06	AUG		
FEB			19...	1405	6.33
22...	1115	4.11			
MAR					
21...	1203	2.04			



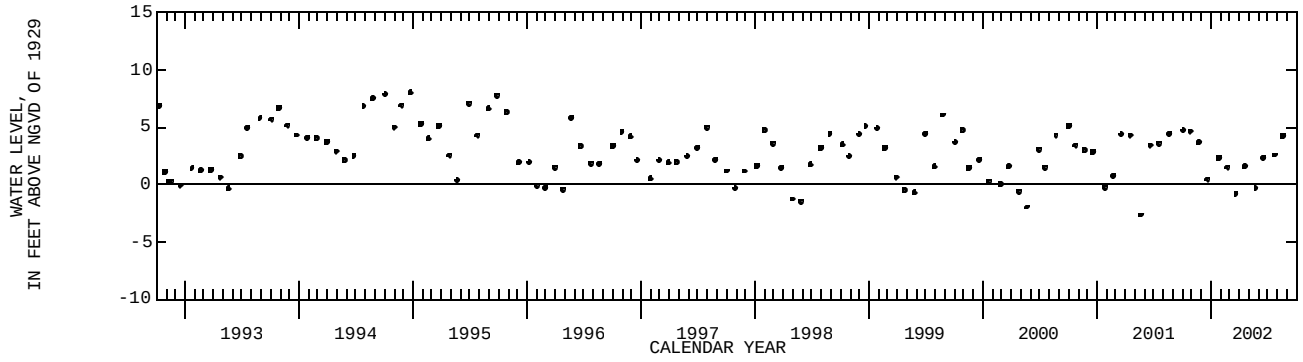
COLLIER COUNTY--Continued

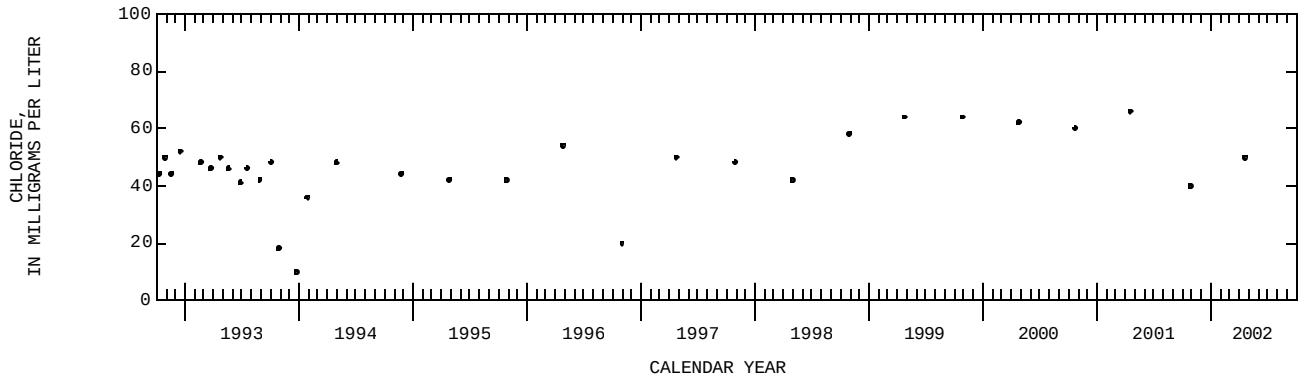
WELL NUMBER.--261302081473901. Local Number C 489.

LOCATION.--Lat 26°13'31", long 81°47'32", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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.
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.
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 2001 TO SEPTEMBER 2002

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				
05...	1358	--	--	4.67	19...	1516	581	50.0	1.54
26...	1544	463	40.0	4.61	MAY				
NOV					24...	1225	--	--	-.37
23...	1441	--	--	3.64	JUN				
DEC					18...	1258	--	--	2.29
20...	1301	--	--	.46	JUL				
JAN					23...	1510	--	--	2.56
25...	1359	--	--	2.30	AUG				
FEB					19...	1359	--	--	4.23
22...	1107	--	--	1.48					
MAR									
21...	1155	--	--	-.82					





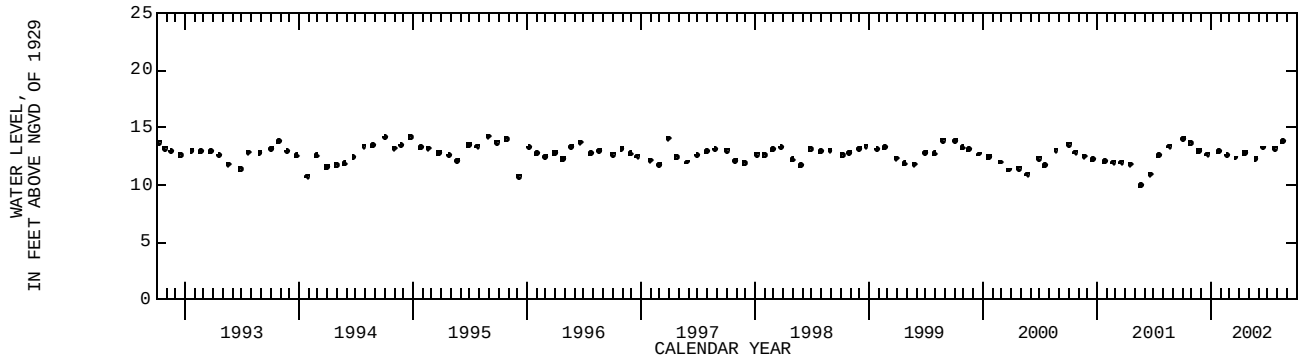
COLLIER COUNTY--Continued

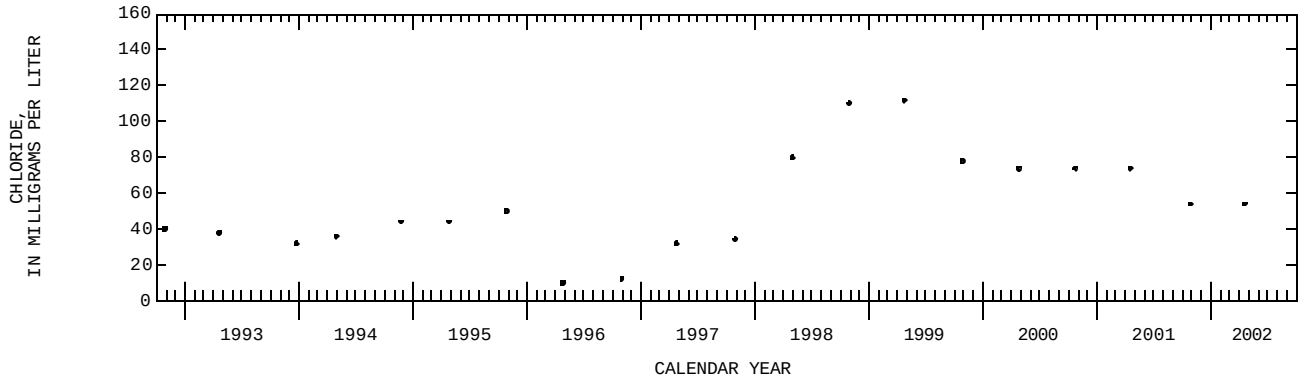
WELL NUMBER.--261311081480101. Local Number C 1061.

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 U.S. Highway 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, screened 10 to 25 ft.
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1351	--	--	13.97
26...	1536	455	54.0	13.67
NOV				
23...	1436	--	--	12.95
DEC				
20...	1254	--	--	12.65
JAN				
25...	1353	--	--	12.88
FEB				
22...	1101	--	--	12.55
MAR				
21...	1148	--	--	12.34
APR				
19...	1501	427	54.0	12.74
MAY				
24...	1203	--	--	12.26
JUN				
18...	1250	--	--	13.21
JUL				
23...	1505	--	--	13.19
AUG				
19...	1355	--	--	13.78





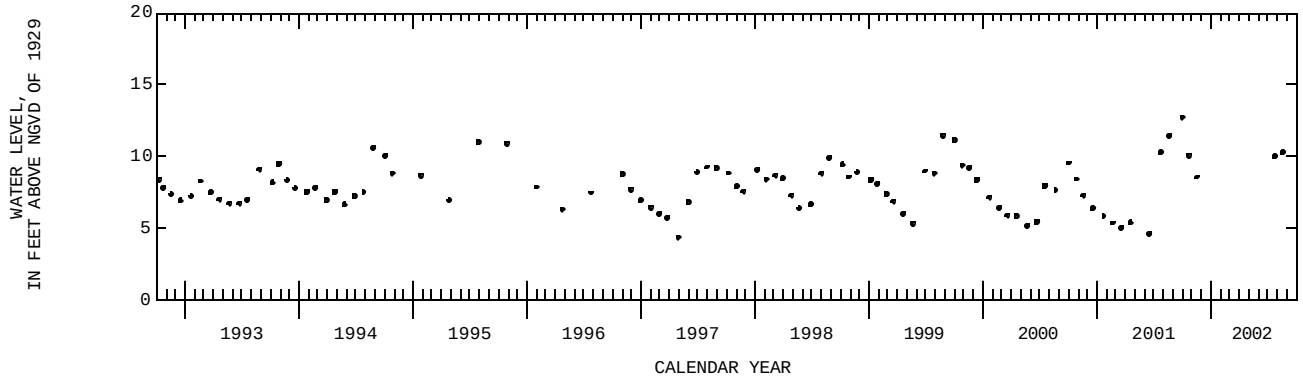
COLLIER COUNTY--Continued

WELL NUMBER.--261343081384801. Local Number C 980.

LOCATION.--Lat 26°13'46", long 81°38'44", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 County Road 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. 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, 12.74 ft NGVD, Oct. 1, 2001; lowest, 4.35 ft NGVD, Apr. 28, 1997.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			JUL		
01...	0853	12.74	23...	0848	9.97
22...	0941	10.07	AUG		
NOV			19...	0834	10.27
19...	0844	8.56			



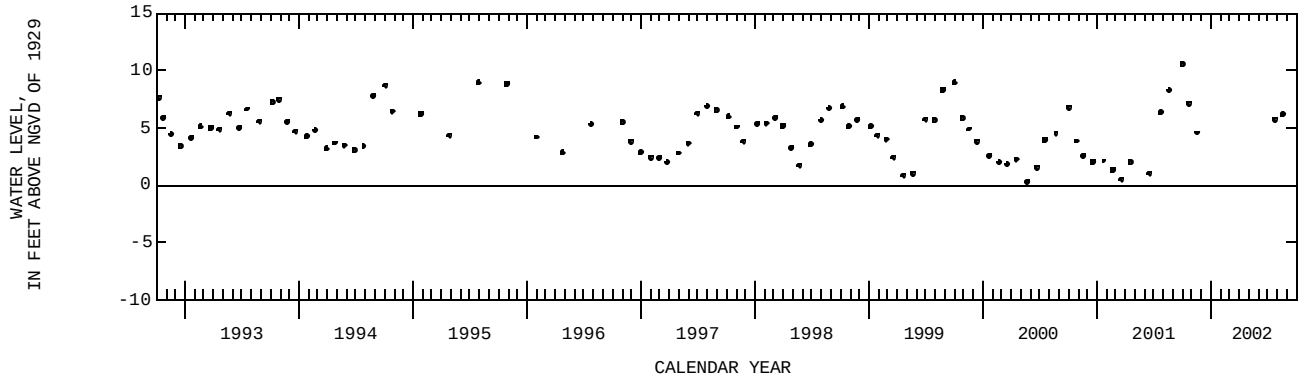
COLLIER COUNTY--Continued

WELL NUMBER.--261343081384802. Local Number C 956.

LOCATION.--Lat 26°13'46", long 81°38'44", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 County Road 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. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			JUL		
01...	0859	10.56	23...	0849	5.71
22...	0945	7.12	AUG		
NOV			19...	0833	6.14
19...	0854	4.55			



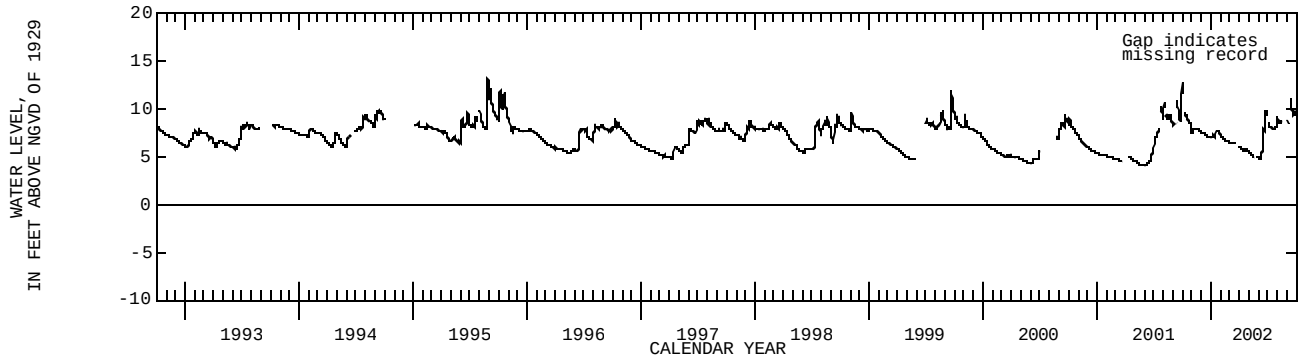
COLLIER COUNTY--Continued

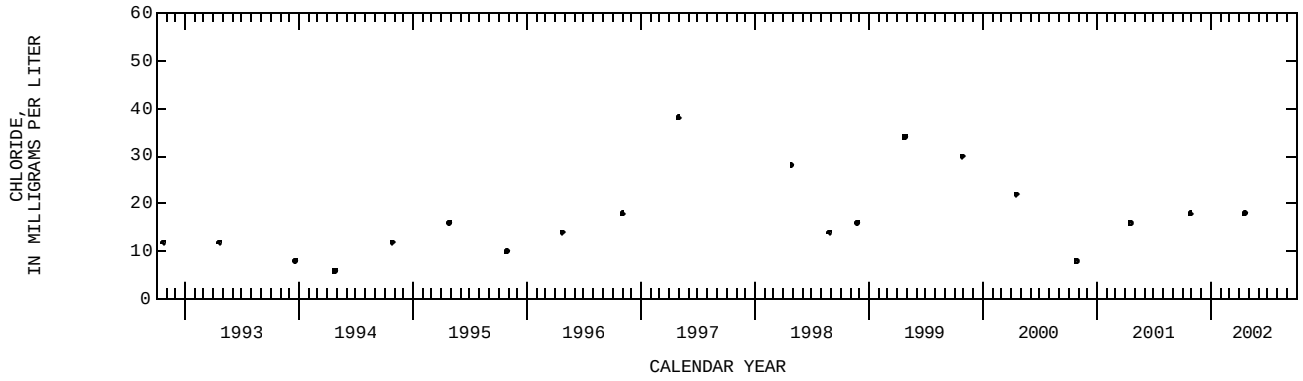
WELL NUMBER.--261347081351201. Local Number C 953.

LOCATION.--Lat 26°13'49", long 81°35'13", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	7.78	7.51	7.19	7.01	6.46	5.90	5.37	4.81	8.27	8.78	8.31
10	9.61	7.93	7.47	7.14	6.83	6.39	5.71	5.17	5.32	8.18	8.48	---
15	9.39	7.89	7.32	7.36	6.70	6.36	5.59	5.03	7.36	7.96	8.78	10.19
20	8.81	7.82	7.17	7.72	6.66	6.21	5.81	5.01	7.88	7.87	8.79	9.46
25	8.52	7.73	7.01	7.58	6.58	---	5.65	---	9.89	8.06	---	9.44
EOM	7.54	7.62	6.97	7.23	6.54	6.00	5.50	4.93	---	9.18	8.81	9.41
MAX	---	7.93	7.60	7.74	7.18	---	5.97	---	---	---	---	---





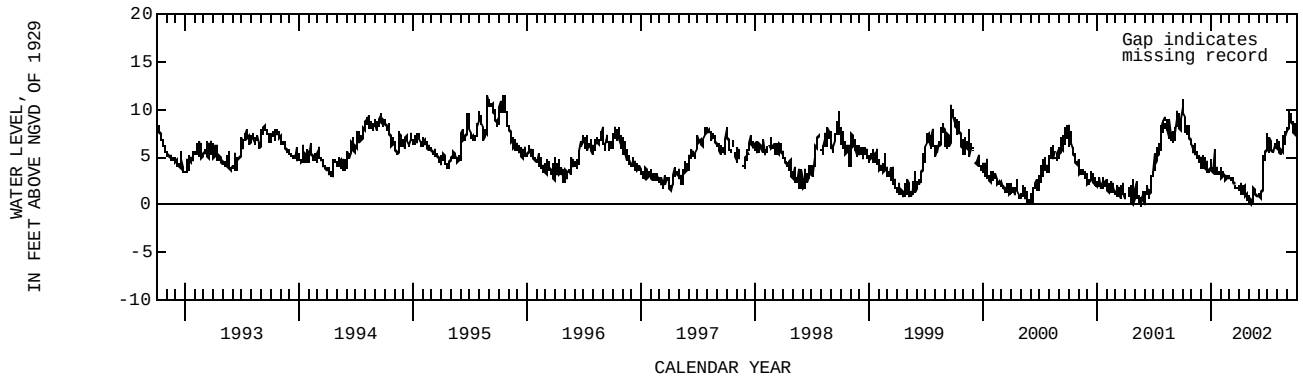
COLLIER COUNTY--Continued

WELL NUMBER.--261347081351202. Local Number C 951.

LOCATION.--Lat 26°13'49", long 81°35'13", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.44	5.97	5.15	3.81	2.94	2.58	2.26	0.19	0.84	5.53	6.14	9.04
10	8.02	5.57	4.28	5.75	3.31	2.58	1.18	0.43	1.15	6.07	5.26	8.41
15	8.13	4.72	3.66	3.26	2.81	2.25	1.77	0.96	2.86	5.51	5.80	8.61
20	7.77	5.09	3.77	3.70	2.60	2.00	1.40	1.08	4.46	5.28	7.19	8.02
25	6.88	4.49	3.41	3.29	2.72	1.68	0.71	0.94	5.61	5.78	7.03	7.74
EOM	6.32	4.90	3.48	3.15	2.60	1.65	0.94	0.97	6.97	6.11	8.01	8.39
MAX	10.93	6.34	5.15	5.75	3.82	---	2.26	1.86	7.36	7.02	8.01	9.65



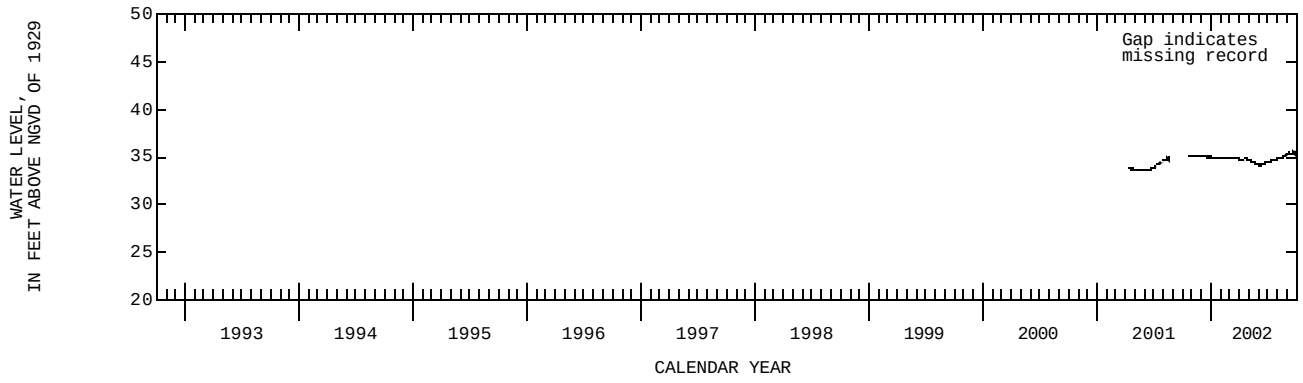
COLLIER COUNTY--Continued

WELL NUMBER.--261347081351701. Local Number C 948.

LOCATION.--Lat 26°13'48", long 81°35'16", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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.
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.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	35.17	35.05	34.96	34.83	34.77	34.77	34.63	34.13	34.52	34.90	35.47
10	---	35.10	35.07	34.93	34.85	34.84	34.72	34.54	34.24	34.66	34.91	35.38
15	---	35.17	35.02	34.95	34.84	34.84	34.73	34.45	34.34	34.64	34.92	35.33
20	35.13	35.14	34.99	34.92	34.84	34.82	---	34.46	34.36	34.74	35.13	35.41
25	35.12	35.12	35.01	34.91	34.85	34.81	34.78	34.32	34.55	34.71	35.09	35.42
EOM	35.09	35.10	34.99	34.86	34.81	34.82	34.74	34.28	34.51	34.87	35.23	35.42
MAX	---	35.17	35.09	35.01	34.92	---	---	34.72	34.55	34.87	35.25	35.47



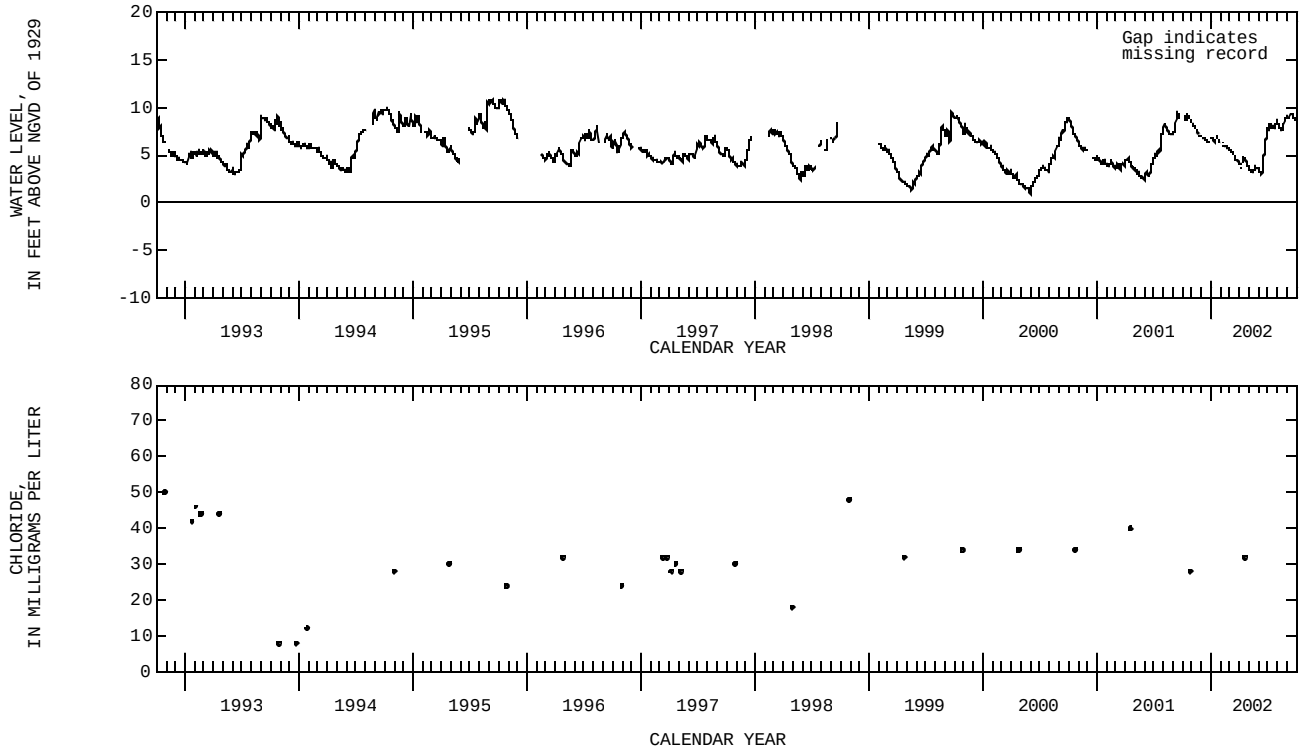
COLLIER COUNTY

WELL NUMBER.--261405081465501. Local Number C 460.

LOCATION.--Lat 26°14'08", long 81°47'06", in NW $^1/_4$ SW $^1/_4$ SE $^1/_4$ 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 U.S. Highway 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	8.22	6.57	6.67	6.08	5.31	4.10	3.46	3.18	7.63	7.93	8.89
10	8.94	7.84	---	6.42	5.88	5.27	---	3.26	3.26	8.17	7.84	8.79
15	8.80	7.55	6.60	---	5.77	---	4.70	3.08	4.33	7.74	7.60	9.08
20	9.00	7.30	6.31	6.71	5.77	4.76	4.65	3.83	5.51	7.88	8.06	8.97
25	---	7.07	6.27	6.61	5.68	4.51	4.12	3.56	6.67	8.15	8.50	8.90
EOM	8.30	6.89	---	6.29	---	4.23	3.83	3.55	7.86	8.59	9.11	8.74
MAX	---	---	---	---	---	---	---	3.83	7.86	8.62	9.11	9.37



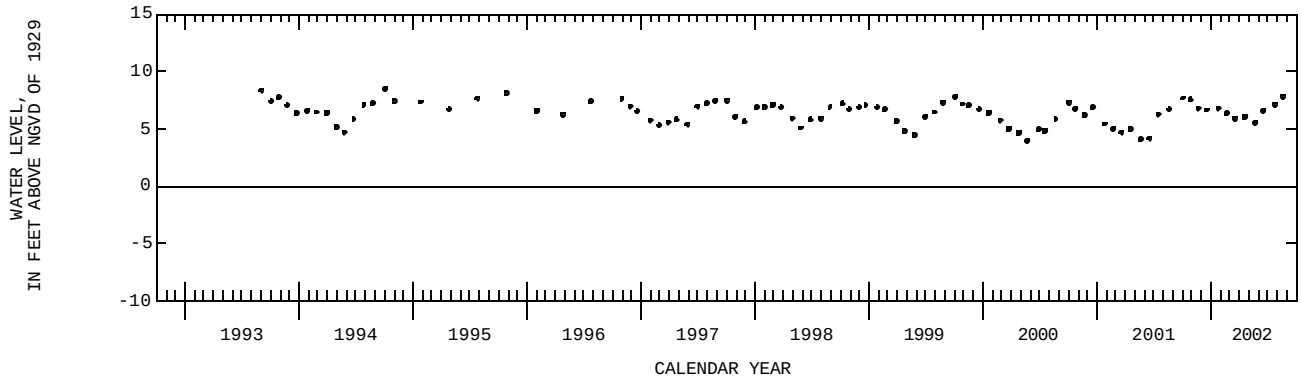
COLLIER COUNTY--Continued

WELL NUMBER.--261435081472701. Local Number C 1094.

LOCATION.--Lat 26°14'38", long 81°47'26", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1453	7.68	19...	1437	6.01
26...	1423	7.54	MAY		
NOV			23...	1441	5.51
20...	1225	6.78	JUN		
DEC			18...	1238	6.53
18...	1439	6.64	JUL		
JAN			23...	1445	7.15
23...	1320	6.79	AUG		
FEB			19...	1342	7.81
20...	1154	6.34			
MAR					
19...	1312	5.92			



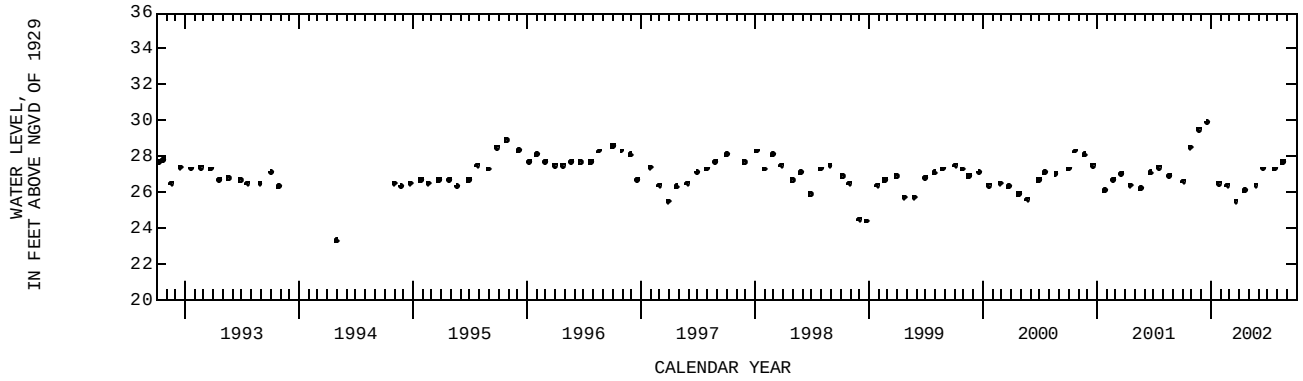
COLLIER COUNTY--Continued

WELL NUMBER.--261438081481001. Local Number C 575.

LOCATION.--Lat 26°13'18", long 81°48'03", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.9, T.49 S., R.25 E., Hydrologic Unit 03090204, 112 ft west of U.S. Highway 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1347	26.60	19...	1536	26.10
26...	1603	28.50	MAY		
NOV			24...	1306	26.40
23...	1509	29.50	JUN		
DEC			18...	1311	27.30
20...	1320	29.90	JUL		
JAN			23...	1530	27.30
25...	1410	26.50	AUG		
FEB			19...	1413	27.70
22...	1120	26.40			
MAR					
21...	1215	25.50			



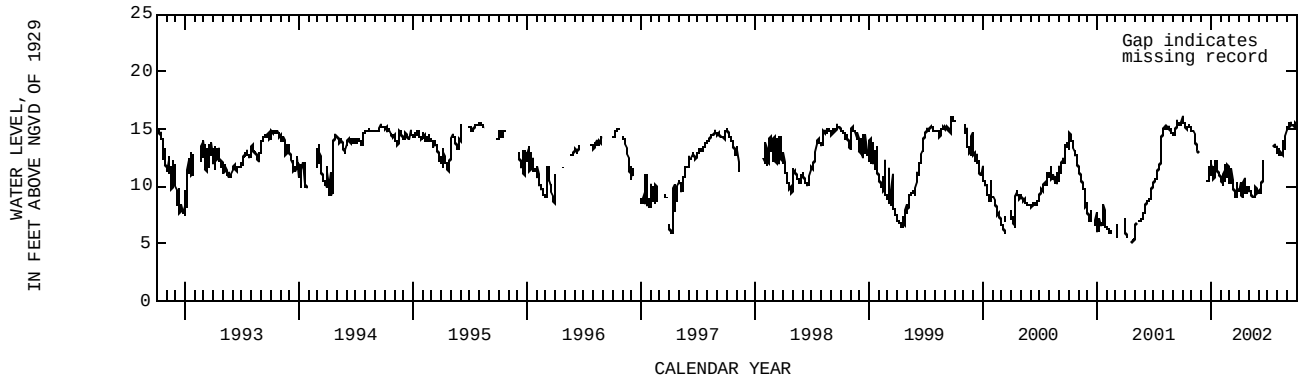
COLLIER COUNTY--Continued

WELL NUMBER.--261444081284901. Local Number C 988.

LOCATION.--Lat 26°14'47", long 81°28'49", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.2, T.49 S., R.28 E., Hydrologic Unit 03090204, 100 ft west of farm road, 3.6 mi south of intersection of County Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.53	14.76	---	11.04	10.28	10.40	9.69	9.49	9.45	---	12.58	15.35
10	15.24	13.90	---	10.74	10.89	10.21	9.02	9.27	10.13	---	12.53	15.24
15	15.23	13.53	---	12.16	10.25	9.62	10.33	9.00	11.69	---	12.90	15.36
20	15.13	12.96	10.47	11.29	10.61	9.12	9.69	9.73	---	13.54	13.81	15.25
25	15.17	---	10.63	11.10	10.95	9.53	9.65	9.83	---	13.49	12.99	15.30
EOM	14.82	---	12.02	10.63	10.20	9.52	9.44	9.50	---	13.33	15.05	15.41
MAX	15.83	---	---	12.24	11.83	11.43	10.64	9.87	---	---	15.05	15.42



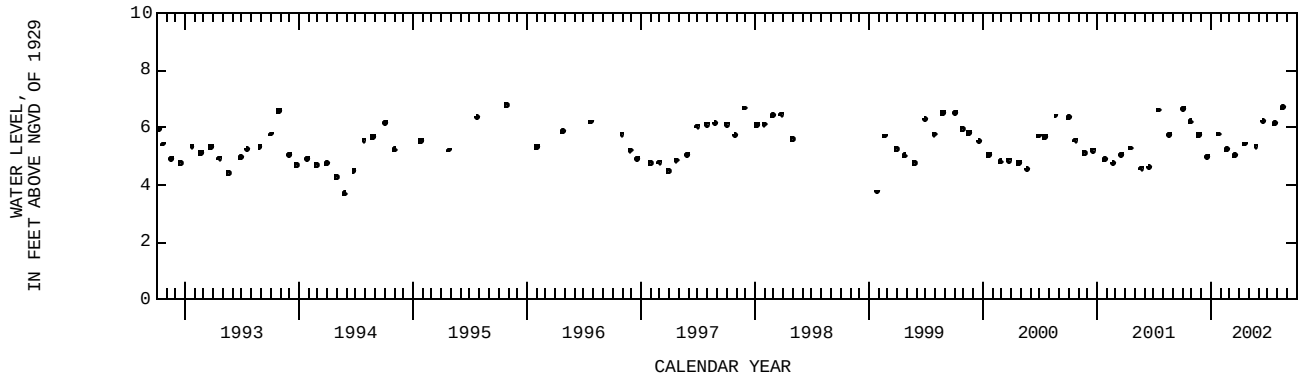
COLLIER COUNTY--Continued

WELL NUMBER.--261508081484902. Local Number C 999.

LOCATION.--Lat 26°15'09", long 81°48'52", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.33, T.48 S., R.25 E., Hydrologic Unit 03090204, 30 ft north of Vanderbilt Beach Road, 0.85 mi west of U.S. Highway 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.
REMARKS.--Well also used for salinity monitoring, 1985 to 1993.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1440	6.64	19...	1550	5.42
26...	1637	6.20	MAY		
NOV			24...	1318	5.34
23...	1527	5.74	JUN		
DEC			18...	1327	6.20
20...	1312	4.98	JUL		
JAN			23...	1544	6.14
23...	1313	5.77	AUG		
FEB			19...	1423	6.70
20...	1203	5.23			
MAR					
19...	1401	5.02			



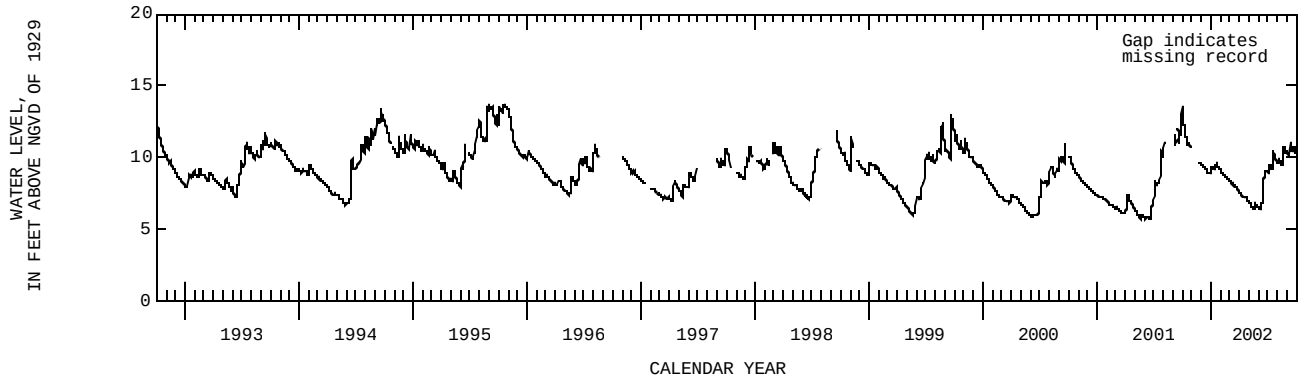
COLLIER COUNTY--Continued

WELL NUMBER.--261530081412001. Local Number C 997.

LOCATION.--Lat 26°15'31", long 81°41'18", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.27, T.48 S., R.26 E., Hydrologic Unit 03090204, 75 ft east of County Road 951, 1.0 mi south of County Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.31	---	9.34	9.32	8.87	8.20	7.43	6.77	6.35	8.81	9.85	10.31
10	11.59	---	9.27	9.18	8.72	8.14	7.28	6.63	6.83	9.48	9.73	10.21
15	11.23	---	9.13	9.49	8.62	8.02	7.21	6.48	7.41	9.17	9.51	10.58
20	10.89	---	8.99	9.47	8.50	7.93	7.21	6.77	8.82	10.30	10.06	10.64
25	10.75	9.59	8.85	9.28	8.39	7.78	7.07	6.69	9.07	9.92	10.25	10.59
EOM	---	9.48	9.23	9.05	8.32	7.61	6.92	6.52	9.00	9.75	10.39	10.29
MAX	---	---	9.46	9.55	9.00	8.30	7.59	6.90	9.10	10.47	10.70	10.95



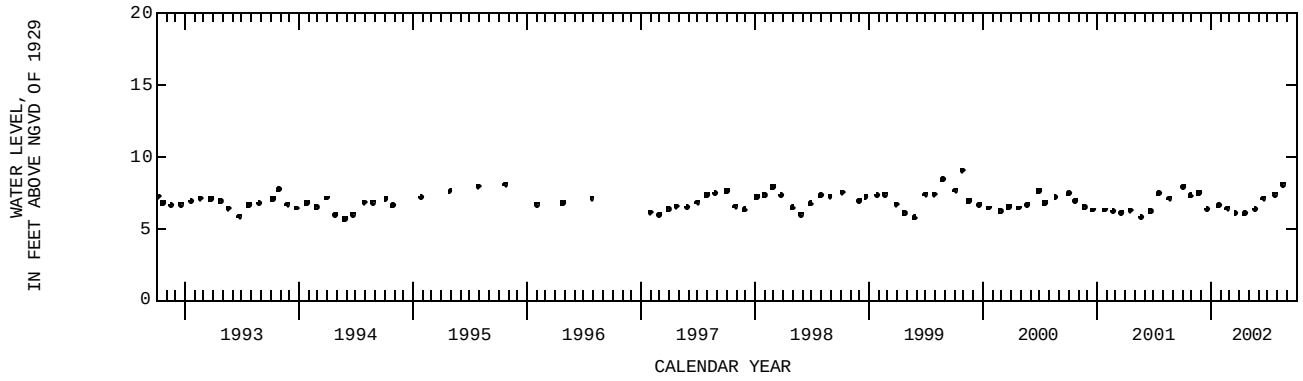
COLLIER COUNTY--Continued

WELL NUMBER.--261537081461201. Local Number C 1057.

LOCATION.--Lat 26°15'34", long 81°46'12", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.26, T.48 S., R.25 E., Hydrologic Unit 03090204, 0.9 mi south of County Road 846 and 43 ft west of County Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	0901	7.91	19...	0943	6.05
26...	1010	7.30	MAY		
NOV			23...	0931	6.32
23...	1245	7.49	JUN		
DEC			18...	0919	7.09
20...	1109	6.30	JUL		
JAN			23...	0921	7.38
25...	1138	6.59	AUG		
FEB			19...	0945	8.07
22...	0918	6.39			
MAR					
21...	0930	6.03			



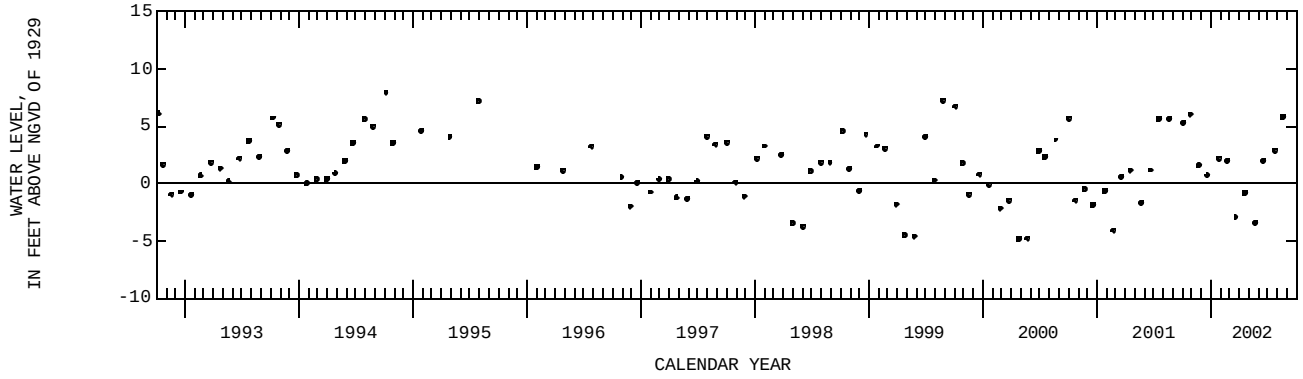
COLLIER COUNTY--Continued

WELL NUMBER.--261537081461202. Local Number C 1058.

LOCATION.--Lat 26°15'34", long 81°46'12", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.26, T.48 S., R.25 E., Hydrologic Unit 03090204, 0.90 mi south of County Road 846 and 43 ft west of County Road 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, 62 to 80 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	0902	5.26	19...	0945	-.82
26...	1015	6.01	MAY		
NOV			23...	0935	-3.48
23...	1250	1.54	JUN		
DEC			18...	0921	1.93
20...	1111	.68	JUL		
JAN			23...	0924	2.86
25...	1142	2.21	AUG		
FEB			19...	0948	5.81
22...	0920	1.94			
MAR					
21...	0931	-2.98			



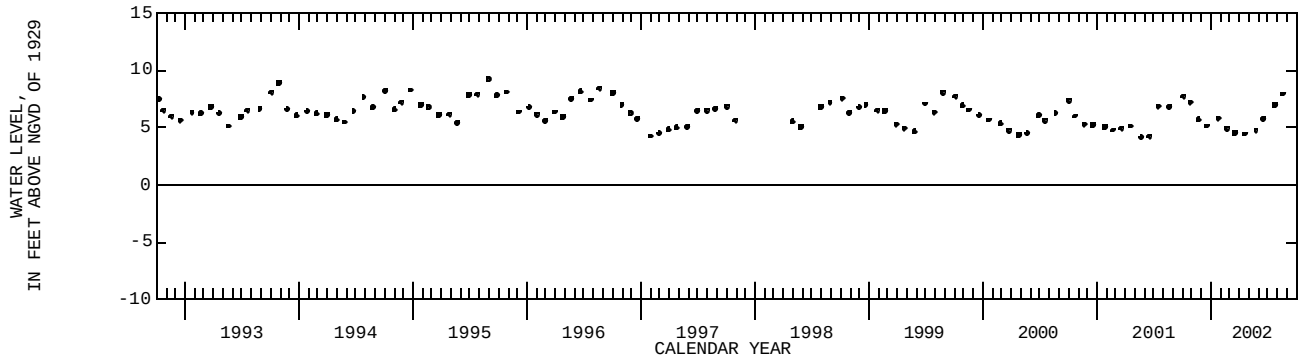
COLLIER COUNTY--Continued

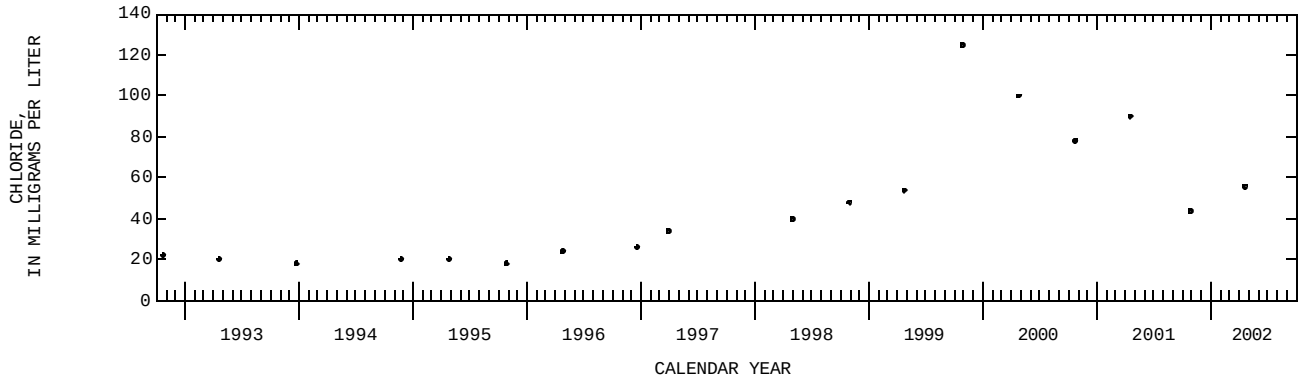
WELL NUMBER.--261604081480901. Local Number C 1059.

LOCATION.--Lat 26°16'08", long 81°48'09", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.28, T.48 S., R.25 E., Hydrologic Unit 03090204, 20 ft behind Fire House on 106th Avenue and 300 ft west of U.S. Highway 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, screened 10 to 25 ft.
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1743	--	--	7.70
26...	1658	744	44.0	7.19
NOV				
20...	1435	--	--	5.69
DEC				
18...	1451	--	--	5.12
JAN				
23...	1325	--	--	5.77
FEB				
20...	1216	--	--	4.91
MAR				
19...	1411	--	--	4.52
APR				
19...	1600	661	56.0	4.43
MAY				
24...	1149	--	--	4.72
JUN				
18...	1338	--	--	5.73
JUL				
23...	1553	--	--	6.95
AUG				
19...	1432	--	--	7.92





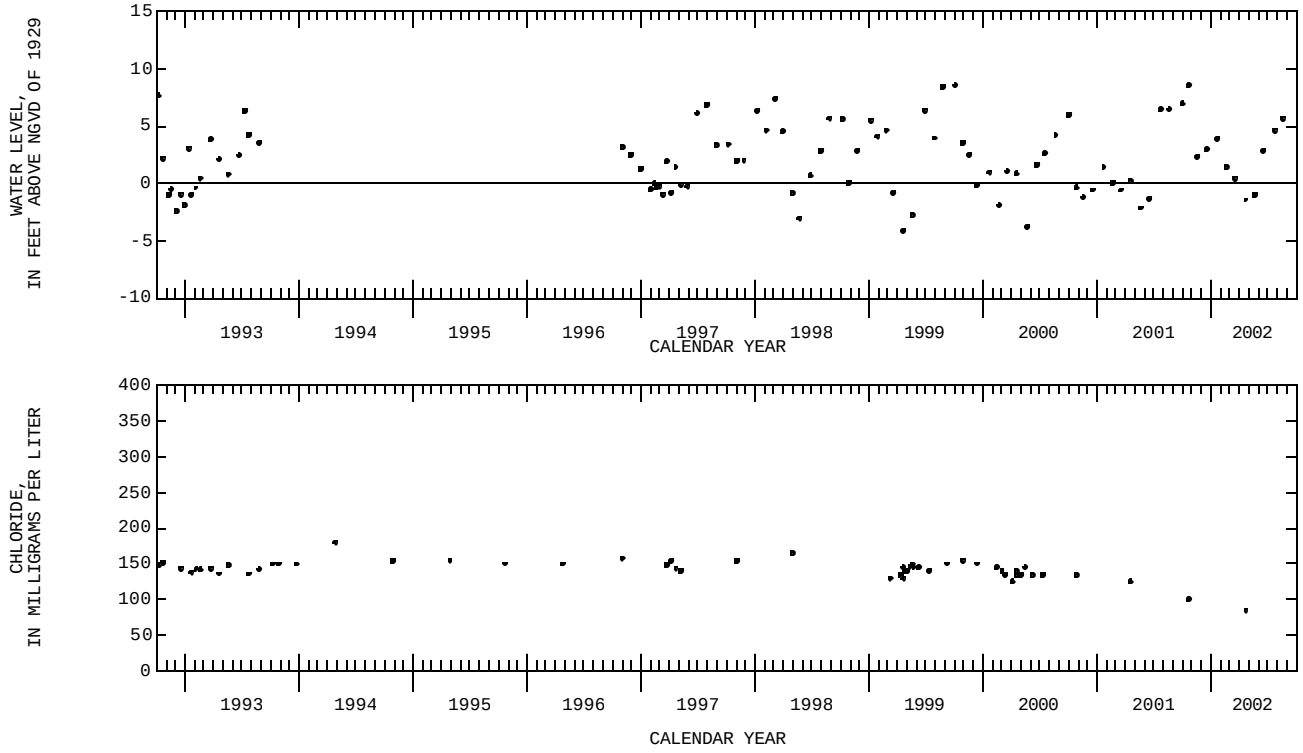
COLLIER COUNTY--Continued

WELL NUMBER.--261620081450201. Local Number C 998.

LOCATION.--Lat 26°16'23", long 81°45'01", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.19, T.48 S., R.26 E., Hydrologic Unit 03090204, 30 ft north of County Road 846, 0.75 mi west of U.S. Interstate 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 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 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 2001 TO SEPTEMBER 2002

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				
01...	0810	--	--	6.95	22...	0756	1090	85.0	-1.45
22...	0844	1190	100	8.54	MAY				
NOV					21...	0837	--	--	-1.04
19...	0810	--	--	2.30	JUN				
DEC					18...	0754	--	--	2.80
17...	0819	--	--	2.94	JUL				
JAN					23...	0818	--	--	4.65
22...	0756	--	--	3.87	AUG				
FEB					19...	0801	--	--	5.68
19...	0750	--	--	1.41					
MAR									
18...	0810	--	--	.46					



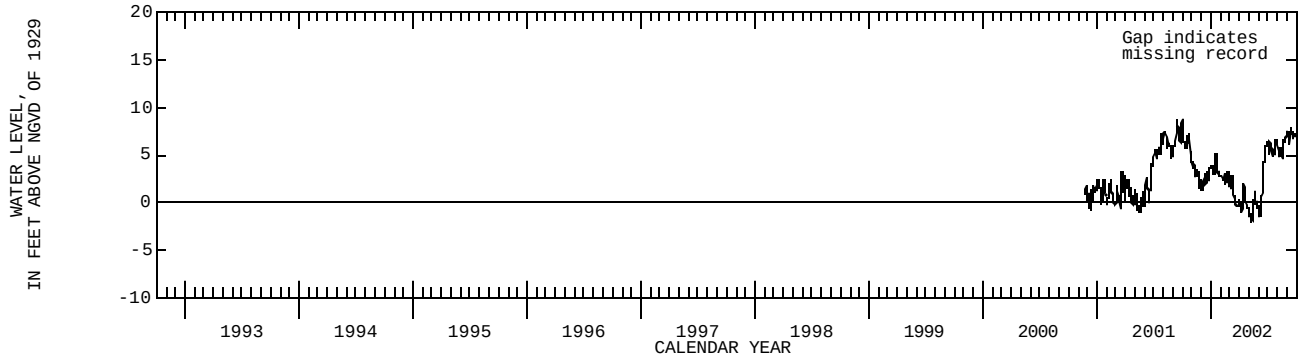
COLLIER COUNTY--Continued

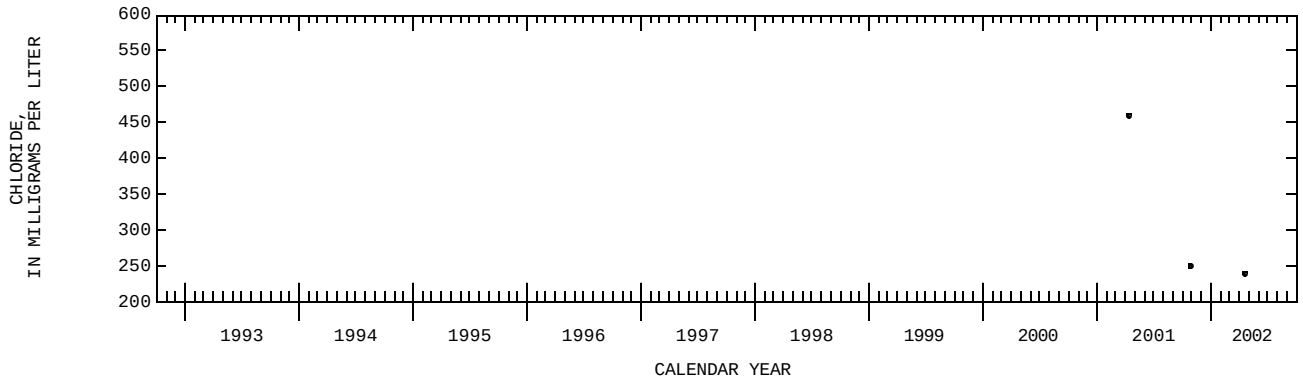
WELL NUMBER.--261620081464402. Local Number C 1004R.

LOCATION.--Lat 26°16'22", long 81°46'44", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 (County Road 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, 2.14 ft below NGVD, May 9, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.38	4.29	1.27	3.25	2.40	1.87	-0.19	-1.31	-1.31	5.47	4.75	7.20
10	6.35	3.50	3.10	2.92	2.26	2.66	-0.71	-1.57	0.73	6.24	5.74	6.03
15	6.63	3.34	2.09	5.15	1.98	0.35	1.90	-0.75	3.62	4.78	4.87	7.54
20	6.84	3.09	2.33	3.35	2.31	0.62	0.73	1.11	4.71	5.45	6.06	6.80
25	4.88	1.31	2.18	3.31	3.03	-0.25	-0.64	-0.13	5.99	6.25	6.25	7.22
EOM	4.26	1.68	3.41	2.62	1.51	0.24	-0.87	-0.41	6.40	6.57	7.38	6.91
MAX	8.18	4.29	3.78	5.15	3.15	2.75	1.90	1.11	6.40	6.66	7.38	7.81





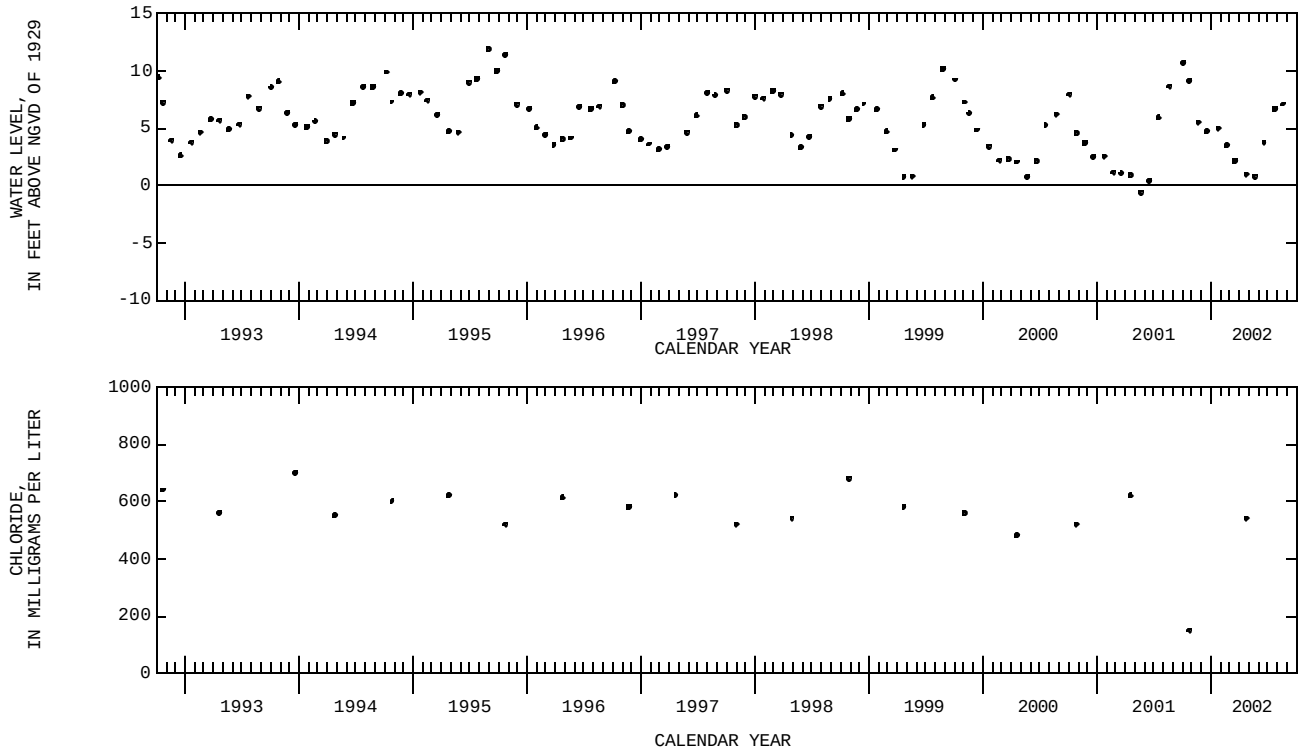
COLLIER COUNTY--Continued

WELL NUMBER.--261621081412302. Local Number C 303.

LOCATION.--Lat 26°16'13", long 81°41'23", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.27, T.48 S., R.26 E., Hydrologic Unit 03090204, 30 ft west and 15 ft south of the intersection of State Road 951 and State Road 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 May 2001 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 U.S. Geological Survey. In May 2001, the station was reconstructed. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
04...	1348	--	--	10.65
23...	1444	953	150	9.13
NOV				
21...	1152	--	--	5.52
DEC				
18...	0843	--	--	4.70
JAN				
23...	0915	--	--	4.99
FEB				
21...	0841	--	--	3.49
MAR				
18...	0838	--	--	2.12
APR				
24...	0935	2070	540	.96
MAY				
20...	1001	--	--	.81
JUN				
19...	0914	--	--	3.78
JUL				
25...	0848	--	--	6.67
AUG				
20...	1025	--	--	7.10



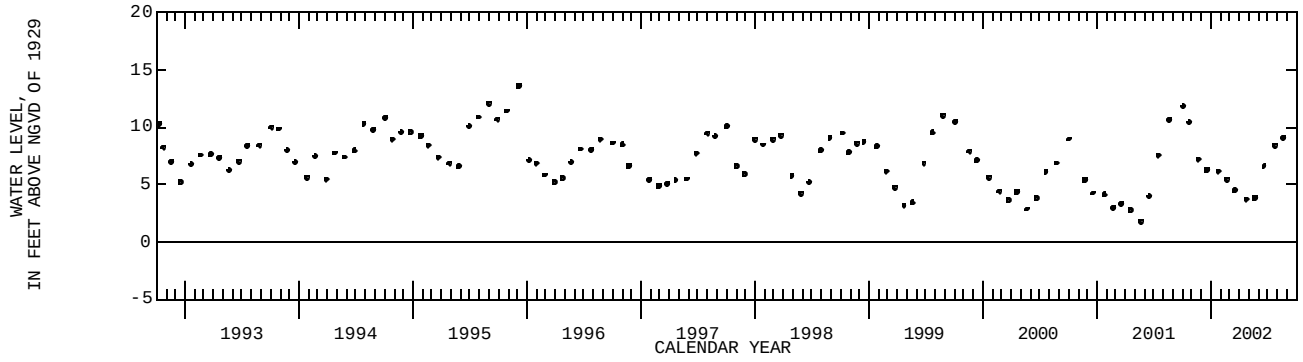
COLLIER COUNTY--Continued

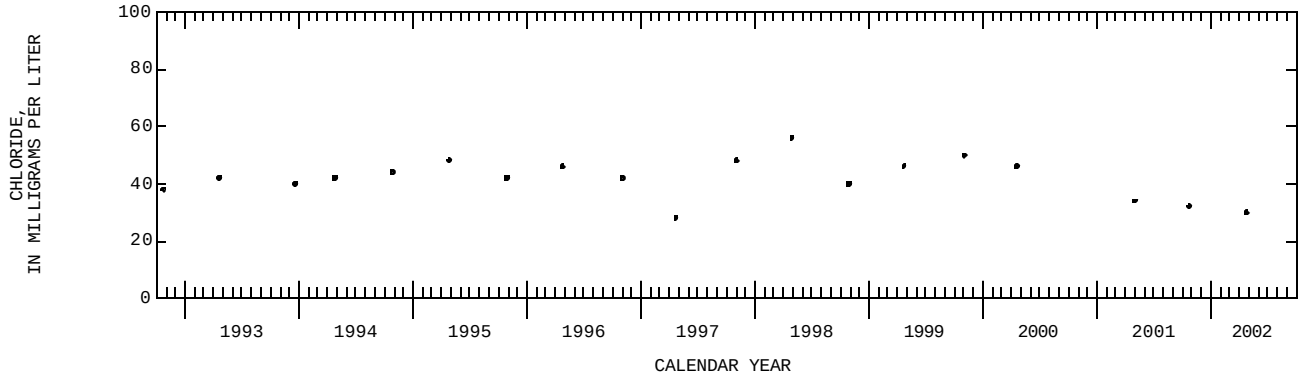
WELL NUMBER.--261630081360001. Local Number C 304.

LOCATION.--Lat 26°16'32", long 81°36'15", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.27, T.48 S., R.27 E., Hydrologic Unit 03090204, 20 ft south of State Road 846, 0.25 mi west of Randall Boulevard 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
04...	1325	--	--	11.78
23...	0831	647	32.0	10.37
NOV				
21...	1112	--	--	7.19
DEC				
18...	0924	--	--	6.27
JAN				
23...	0948	--	--	6.14
FEB				
20...	0832	--	--	5.45
MAR				
18...	0930	--	--	4.46
APR				
23...	0933	637	30.0	3.72
MAY				
20...	1043	--	--	3.84
JUN				
19...	0927	--	--	6.56
JUL				
25...	0908	--	--	8.39
AUG				
20...	1128	--	--	9.06





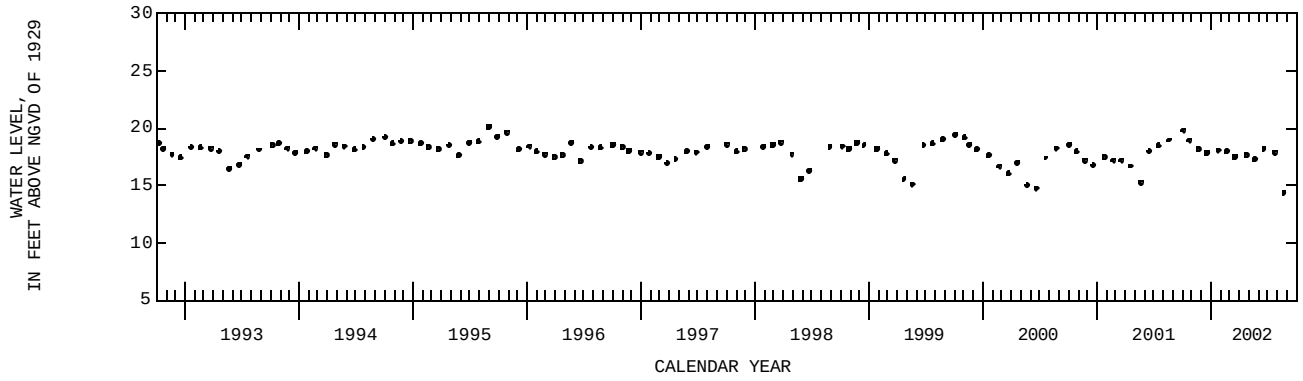
COLLIER COUNTY--Continued

WELL NUMBER.--261733081285501. Local Number C 984.

LOCATION.--Lat 26°17'38", long 81°28'54", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Grade Road and County Road 858, 7 mi east of County Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1005	19.79	23...	1345	17.63
23...	1338	18.94	MAY		
NOV			20...	1251	17.24
20...	1436	18.20	JUN		
DEC			19...	1238	18.15
18...	1420	17.82	JUL		
JAN			25...	1157	17.90
23...	1325	18.07	AUG		
FEB			22...	1216	14.31
20...	1258	17.93			
MAR					
18...	1313	17.51			



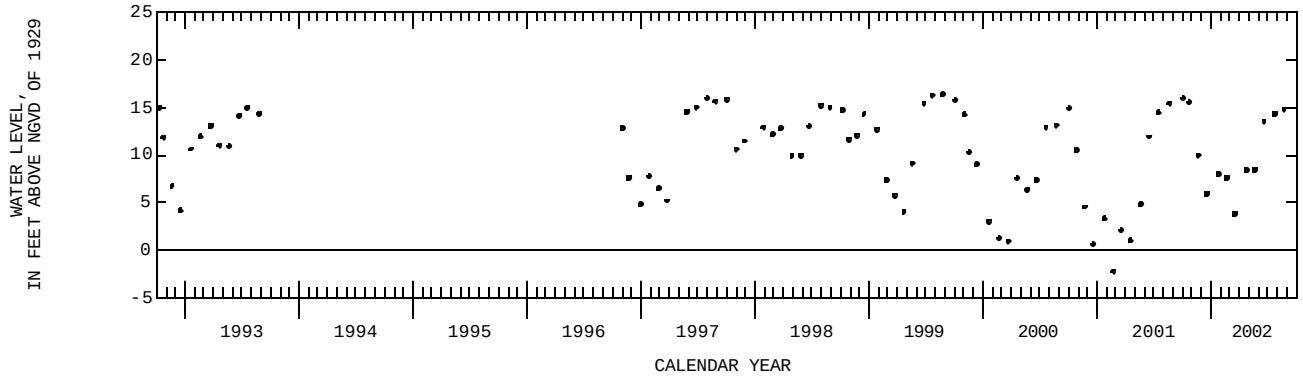
COLLIER COUNTY--Continued

WELL NUMBER.--261733081285502. Local Number C 989.

LOCATION.--Lat 26°17'38", long 81°28'54", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Grade Road and County Road 858, 7 mi east of County Road 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. Prior to October 1996, measuring point was top of flange 4.14 ft above land-surface datum. See REMARKS.
REMARKS.--Well affected by nearby pumping. 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1013	15.89	23...	1354	8.46
23...	1347	15.47	MAY		
NOV			20...	1257	8.46
20...	1439	9.99	JUN		
DEC			19...	1232	13.54
18...	1426	5.90	JUL		
JAN			25...	1154	14.32
23...	1330	8.01	AUG		
FEB			22...	1222	14.80
20...	1303	7.57			
MAR					
18...	1318	3.84			



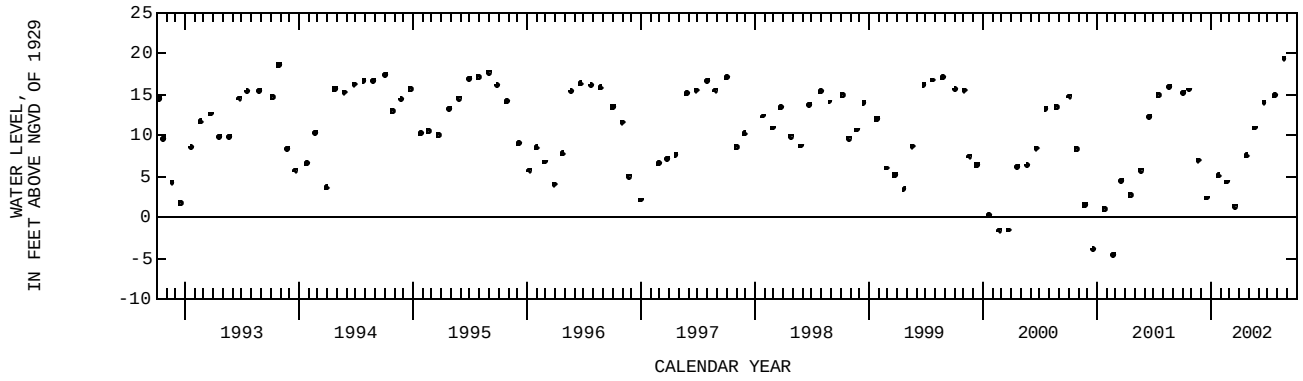
COLLIER COUNTY--Continued

WELL NUMBER.--261733081285503. Local Number C 985.

LOCATION.--Lat 26°17'38", long 81°28'54", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Grade Road and County Road 858, 7 mi east of County Road 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, 4.36 ft above land-surface datum. Prior to August 2002, top of coupling was 4.33 ft above land-surface datum.
REMARKS.--Well damaged and repaired August 2002.
PERIOD OF RECORD.--October 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.46 ft NGVD, Aug. 22, 2002; lowest, 7.11 ft below NGVD, Mar. 29, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1007	15.16	23...	1347	7.55
23...	1341	15.57	MAY		
NOV			20...	1253	10.93
20...	1436	6.98	JUN		
DEC			19...	1234	14.09
18...	1422	2.38	JUL		
JAN			25...	1155	14.91
23...	1336	5.09	AUG		
FEB			22...	1219	19.46
20...	1300	4.34			
MAR					
18...	1314	1.34			



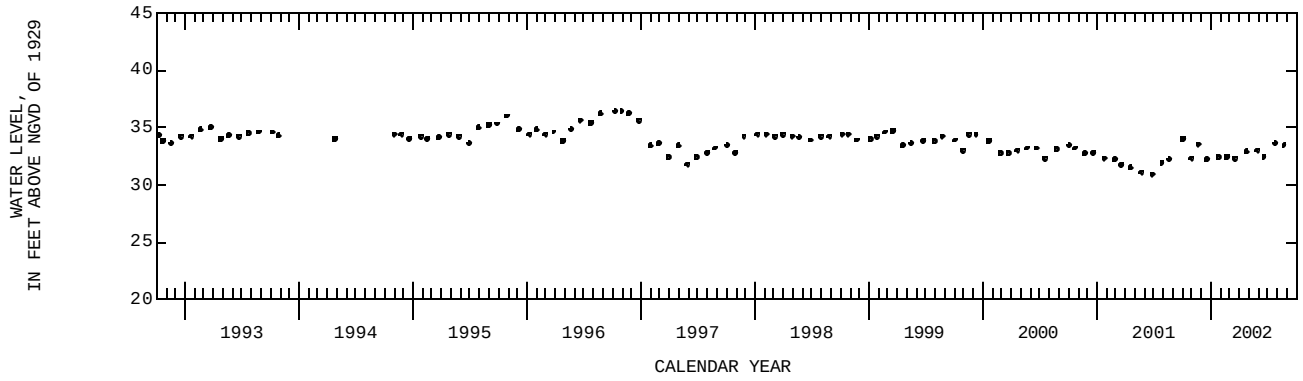
COLLIER COUNTY--Continued

WELL NUMBER.--261740081235401. Local Number C 684.

LOCATION.--Lat 26°17'42", long 81°23'43", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of County Road 858, 3.4 mi west of State Road 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. 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 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.--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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1452	34.00	23...	1500	32.90
30...	1146	32.30	MAY		
NOV			29...	1352	33.00
20...	1329	33.50	JUN		
DEC			19...	0945	32.40
18...	1443	32.20	JUL		
JAN			26...	1403	33.60
23...	1340	32.40	AUG		
FEB			22...	1303	33.40
20...	1316	32.40			
MAR					
18...	1330	32.30			



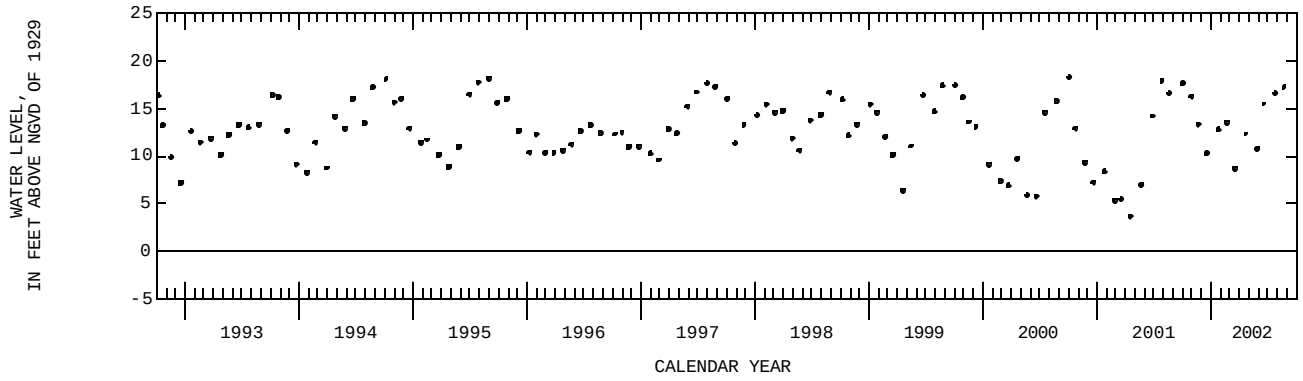
COLLIER COUNTY--Continued

WELL NUMBER.--261740081235402. Local Number C 689.

LOCATION.--Lat 26°17'42", long 81°23'43", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.23, T. 48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of County Road 858, 3.4 mi west of State Road 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1455	17.60	22...	1456	12.31
30...	1036	16.26	MAY		
NOV			29...	1346	10.74
20...	1329	13.35	JUN		
DEC			19...	1546	15.45
18...	1447	10.27	JUL		
JAN			26...	1401	16.54
23...	1348	12.78	AUG		
FEB			22...	1300	17.18
20...	1314	13.55			
MAR					
18...	1334	8.71			



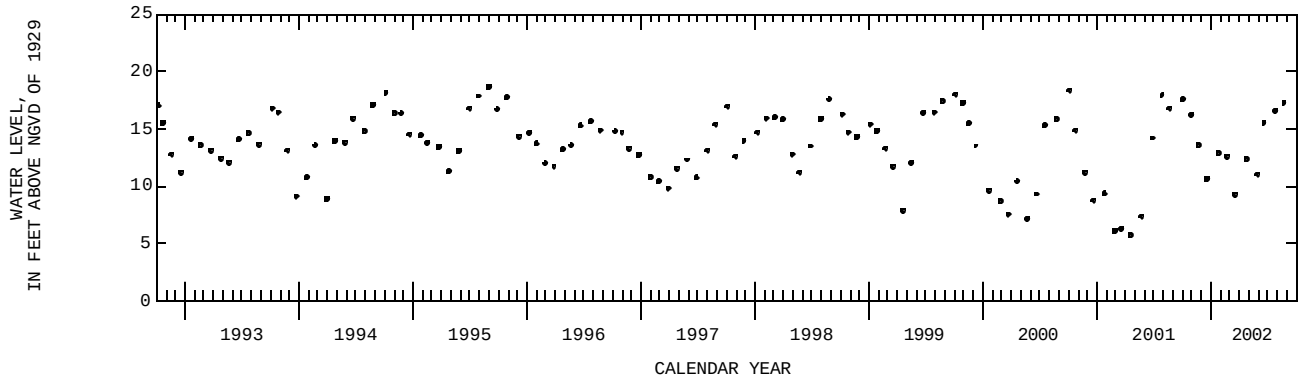
COLLIER COUNTY--Continued

WELL NUMBER.--261740081235403. Local Number C 1073.

LOCATION.--Lat 26°17'42", long 81°23'43", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 20 ft south of County Road 858, 3.4 mi west of State Road 29, 4.0 mi northwest of Sunniland. (Corrected).
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, screened 100 to 160 ft.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1447	17.55	23...	1454	12.39
30...	1127	16.23	MAY		
NOV			29...	1342	11.00
20...	1324	13.61	JUN		
DEC			19...	1545	15.48
18...	1444	10.60	JUL		
JAN			26...	1358	16.56
23...	1352	12.91	AUG		
FEB			22...	1255	17.26
20...	1328	12.60			
MAR					
18...	1332	9.30			



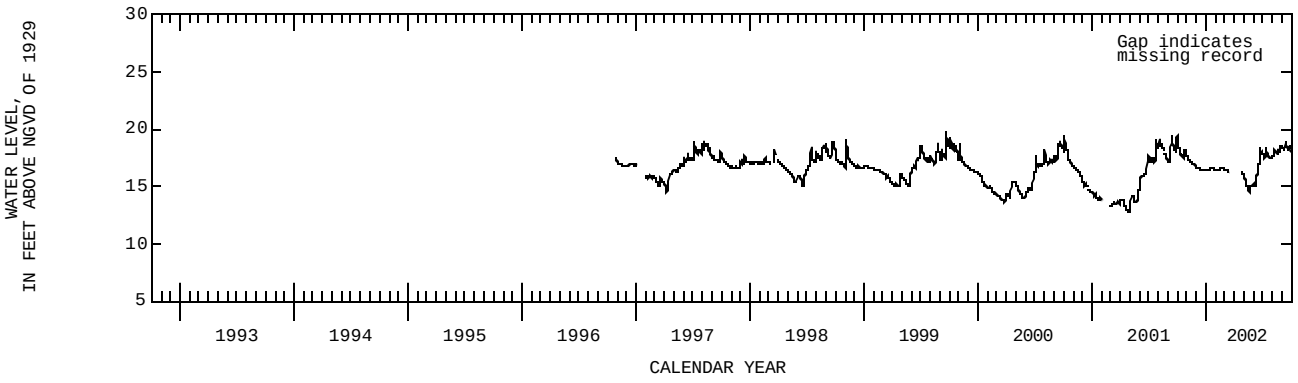
COLLIER COUNTY--Continued

WELL NUMBER.--261741081235401. Local Number C 503.

LOCATION.--Lat 26°17'42", long 81°23'43", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of County Road 858, 3.4 mi west of State Road 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 U.S. 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 U.S. 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, Sept. 20, 21, 1999; lowest, 12.78 ft NGVD, May 2, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.38	17.33	16.57	16.48	16.36	16.40	---	15.55	15.10	17.67	17.95	18.27
10	17.91	17.17	16.55	16.49	16.36	16.41	---	15.10	15.78	18.32	18.04	18.13
15	17.65	17.11	16.47	16.64	16.32	16.29	---	14.77	16.99	17.86	17.92	18.55
20	17.40	17.02	16.41	16.58	16.53	---	---	15.08	17.16	17.62	18.24	18.27
25	18.22	16.90	16.33	16.54	16.55	---	16.23	15.06	17.87	17.48	17.81	18.43
EOM	17.74	16.69	16.51	16.46	16.52	---	15.96	15.13	17.87	17.65	18.40	18.02
MAX	18.77	17.58	16.66	16.64	16.63	---	---	15.88	18.35	18.32	18.59	18.87



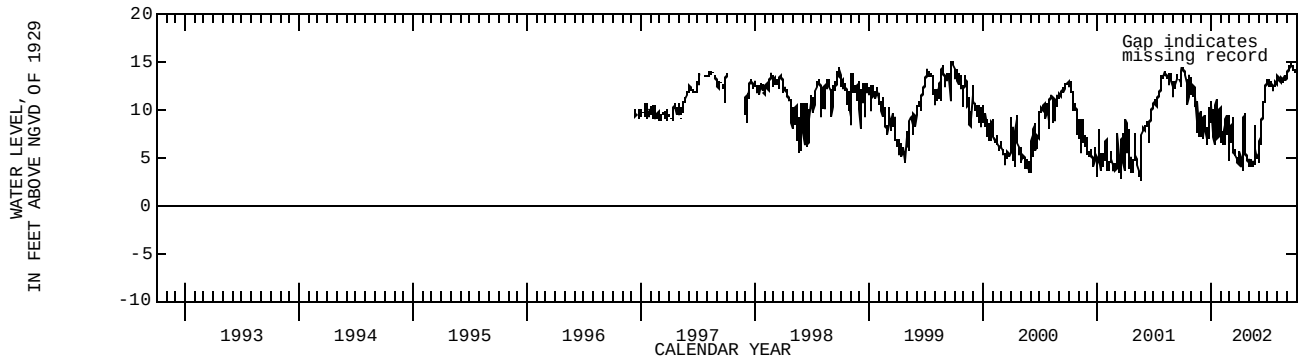
COLLIER COUNTY--Continued

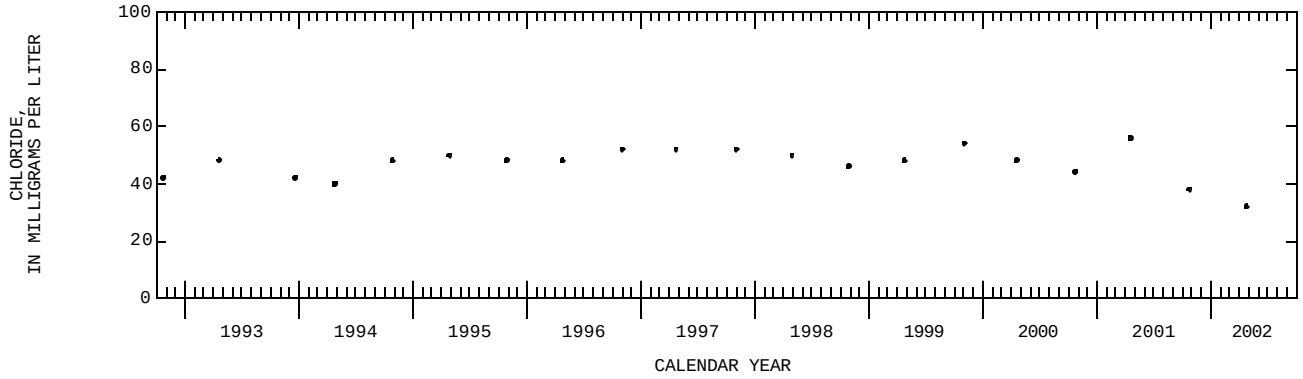
WELL NUMBER.--261802081354801. Local Number C 688.

LOCATION.--Lat 26°18'04", long 81°35'47", in SE $^1/_4$ NE $^1/_4$ 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 County Road 846, 0.65 mi north of the intersection of County Road 858 and County Road 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 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 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.25	12.47	8.08	8.75	7.41	8.41	4.62	4.22	6.68	12.64	13.24	14.33
10	13.67	10.16	9.32	6.28	7.33	8.99	4.05	4.44	8.62	12.91	12.96	14.40
15	13.08	8.54	6.80	10.33	7.07	5.36	9.08	4.47	9.69	12.42	13.30	14.65
20	12.87	8.21	7.52	7.70	7.19	5.77	6.45	8.20	11.04	12.59	13.07	14.09
25	13.31	9.45	9.45	8.77	9.37	4.98	4.96	4.86	12.51	12.87	13.13	14.09
EOM	12.17	7.20	9.85	7.79	6.45	4.41	4.67	5.46	12.82	13.61	13.96	14.25
MAX	---	12.48	10.16	11.08	9.38	9.10	9.62	8.42	12.82	13.61	13.96	14.80





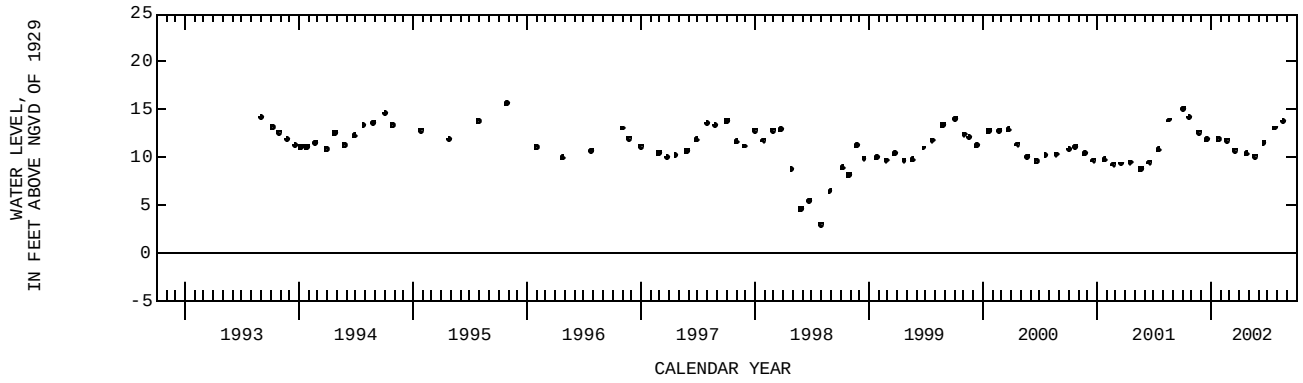
COLLIER COUNTY--Continued

WELL NUMBER.--261802081354802. Local Number C 1097.

LOCATION.--Lat 26°18'04", long 81°35'47", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 County Road 846, 0.65 mi north of the intersection of County Road 858 and County Road 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 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1250	15.09	23...	1036	10.39
23...	0851	14.17	MAY		
NOV			20...	1112	10.11
23...	1054	12.64	JUN		
DEC			19...	0954	11.51
18...	0934	11.87	JUL		
JAN			25...	0922	13.08
23...	0958	11.95	AUG		
FEB			20...	1135	13.72
20...	0840	11.76			
MAR					
18...	0940	10.74			



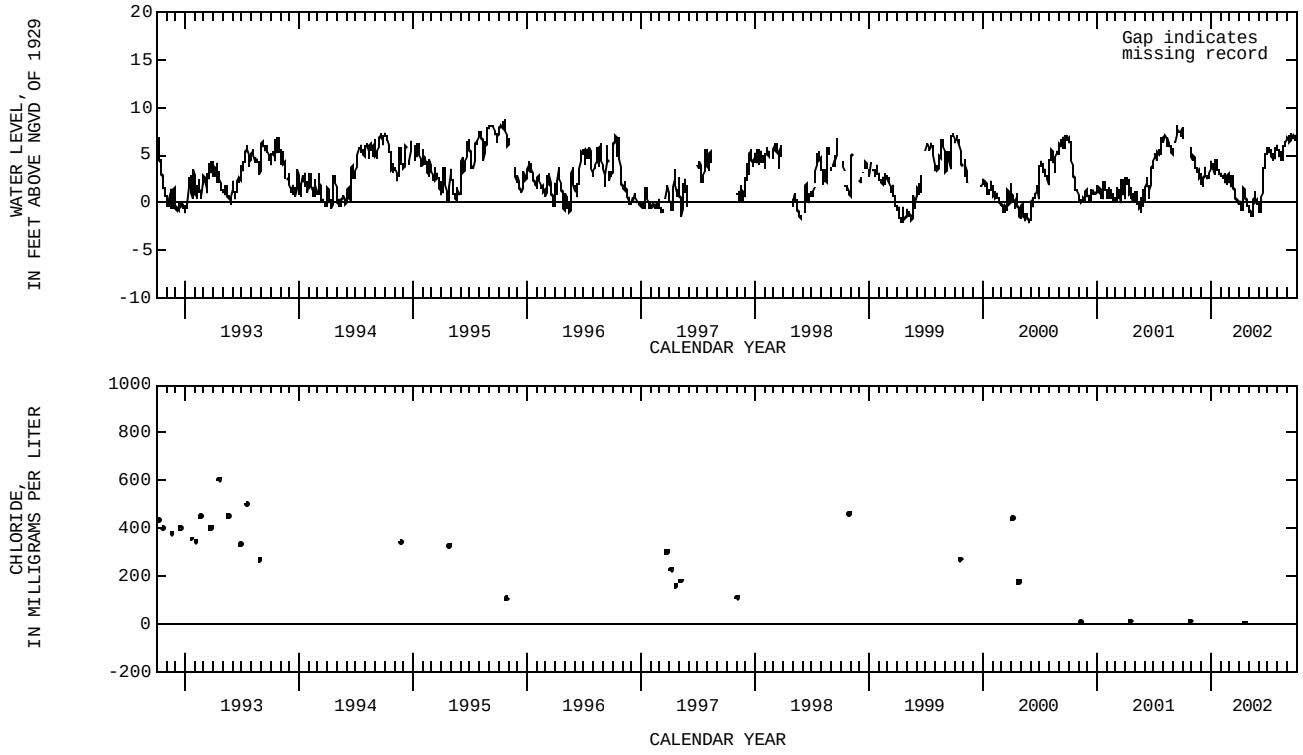
COLLIER COUNTY--Continued

WELL NUMBER.--261805081473302. Local Number C 1083.

LOCATION.--Lat 26°18'56", long 81°47'19", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.10, T.48 S., R.25 E., Hydrologic Unit 03090204, 10 ft north of Sun Century Road, 230 ft east of old U.S. Highway 41 (State Road 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, open hole 58 to 74 ft.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.53	4.86	1.91	3.92	2.75	1.93	0.05	-0.92	-0.96	5.10	4.78	6.56
10	---	4.29	3.59	2.75	2.42	2.40	-0.75	-1.25	0.37	5.55	5.41	6.27
15	---	3.48	2.82	4.53	2.25	1.29	1.57	-0.31	2.90	4.63	4.46	7.08
20	---	3.34	2.44	3.62	2.20	1.12	1.26	1.20	3.88	5.01	5.50	6.68
25	---	2.62	2.55	3.35	3.01	0.11	-0.35	0.20	5.21	5.26	5.93	6.92
EOM	4.75	2.54	3.76	2.63	1.92	0.10	-0.57	-0.11	5.61	5.89	6.89	6.65
MAX	---	4.86	3.76	4.59	3.01	2.76	1.57	1.23	5.61	5.89	6.89	7.25



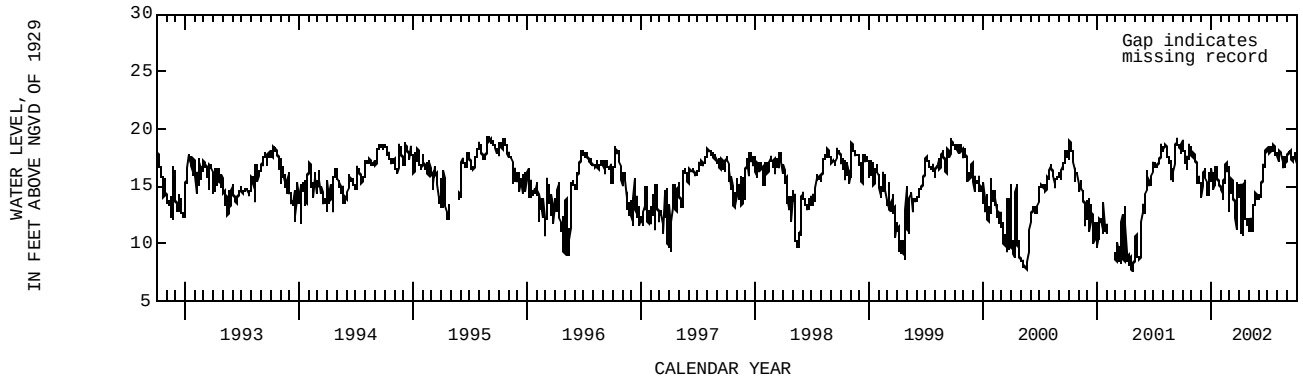
COLLIER COUNTY--Continued

WELL NUMBER.--261823081171901. Local Number C 1071.

LOCATION.--Lat 26°18'14", long 81°17'37", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.14, T.48 S., R.30 E., Hydrologic Unit 03090204, 15 ft south of County Road 858, 2.2 mi east of State Road 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, screened 20 to 35 ft.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.06	17.96	14.89	15.38	14.22	15.48	15.05	11.98	13.98	18.11	18.03	17.89
10	17.15	17.23	16.44	15.08	15.44	14.10	10.90	11.16	15.03	18.44	17.80	17.82
15	17.55	17.03	15.24	16.60	15.07	13.70	15.18	11.00	16.58	18.14	17.64	17.83
20	17.65	15.46	14.34	15.67	16.43	12.24	13.76	14.26	16.65	18.52	17.23	17.46
25	18.36	15.21	14.69	15.34	16.50	13.88	11.66	14.24	18.12	17.90	16.52	17.85
EOM	17.68	14.82	16.32	14.52	13.75	15.18	11.39	13.96	18.10	17.87	17.25	16.76
MAX	18.69	17.97	16.44	16.64	16.95	15.62	15.41	14.45	18.20	18.52	18.12	18.06



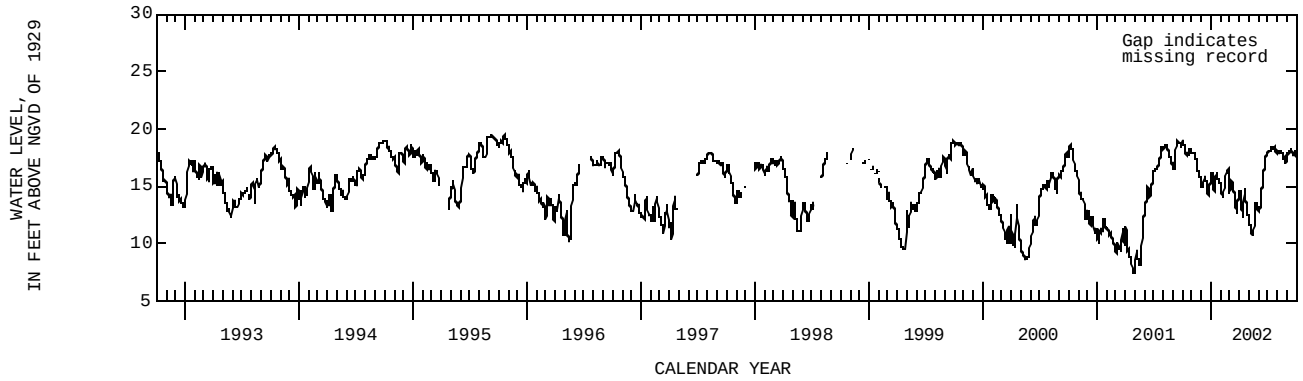
COLLIER COUNTY--Continued

WELL NUMBER.--261823081171902. Local Number C 1072.

LOCATION.--Lat 26°18'14", Long 81°17'37", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.14, T.48 S., R.30 E., Hydrologic Unit 03090204, 15 ft south of County Road 858, 2.2 mi east of State Road 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 with pressure transducer.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.63	17.93	14.75	15.20	14.31	15.11	14.53	11.56	13.08	18.08	17.92	17.96
10	17.97	17.54	15.70	14.62	14.36	15.21	12.85	11.09	14.21	18.23	18.09	17.91
15	17.86	17.13	15.37	15.74	15.25	14.32	13.51	10.62	15.63	18.39	17.96	18.13
20	17.73	16.30	14.49	15.70	16.13	13.32	14.35	12.60	16.49	18.26	17.14	17.72
25	18.28	15.85	14.28	15.67	16.45	12.46	13.05	13.56	17.58	18.09	17.25	17.99
EOM	17.87	15.37	15.47	14.82	14.21	14.54	12.41	12.89	17.88	18.07	17.48	17.62
MAX	18.97	17.97	15.75	16.19	16.45	15.40	14.72	13.61	17.94	18.44	18.12	18.17



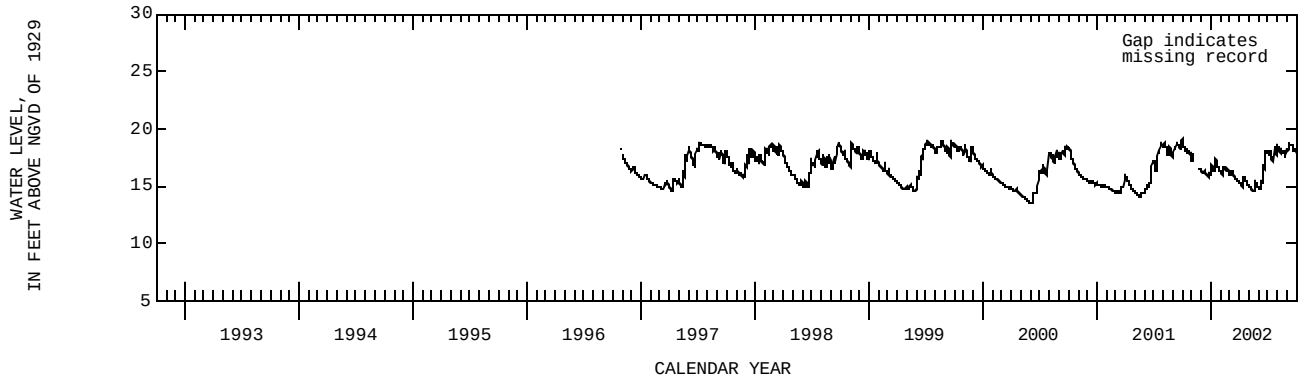
COLLIER COUNTY--Continued

WELL NUMBER.--262121081355501. Local Number C 978.

LOCATION.--Lat 26°21'23", long 81°35'59", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3rd Avenue South (Platt Road), 0.25 mi west of County Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.47	17.77	16.16	16.57	15.99	15.81	15.15	14.87	14.69	17.49	18.21	18.69
10	18.14	---	16.30	16.32	16.67	16.17	14.96	14.70	15.34	18.08	17.96	18.57
15	18.12	---	16.04	17.38	16.34	15.84	15.86	14.57	16.16	17.24	18.04	18.58
20	17.81	---	15.94	16.80	16.16	15.64	15.59	15.52	16.58	17.09	17.66	18.27
25	17.72	16.46	16.01	16.50	16.21	15.51	15.28	15.20	18.05	18.18	17.32	18.21
EOM	17.26	16.31	16.88	16.21	15.97	15.31	15.06	14.88	17.64	18.61	18.08	17.78
MAX	18.75	---	16.88	17.38	16.71	16.40	15.86	15.52	18.05	18.63	18.50	18.69



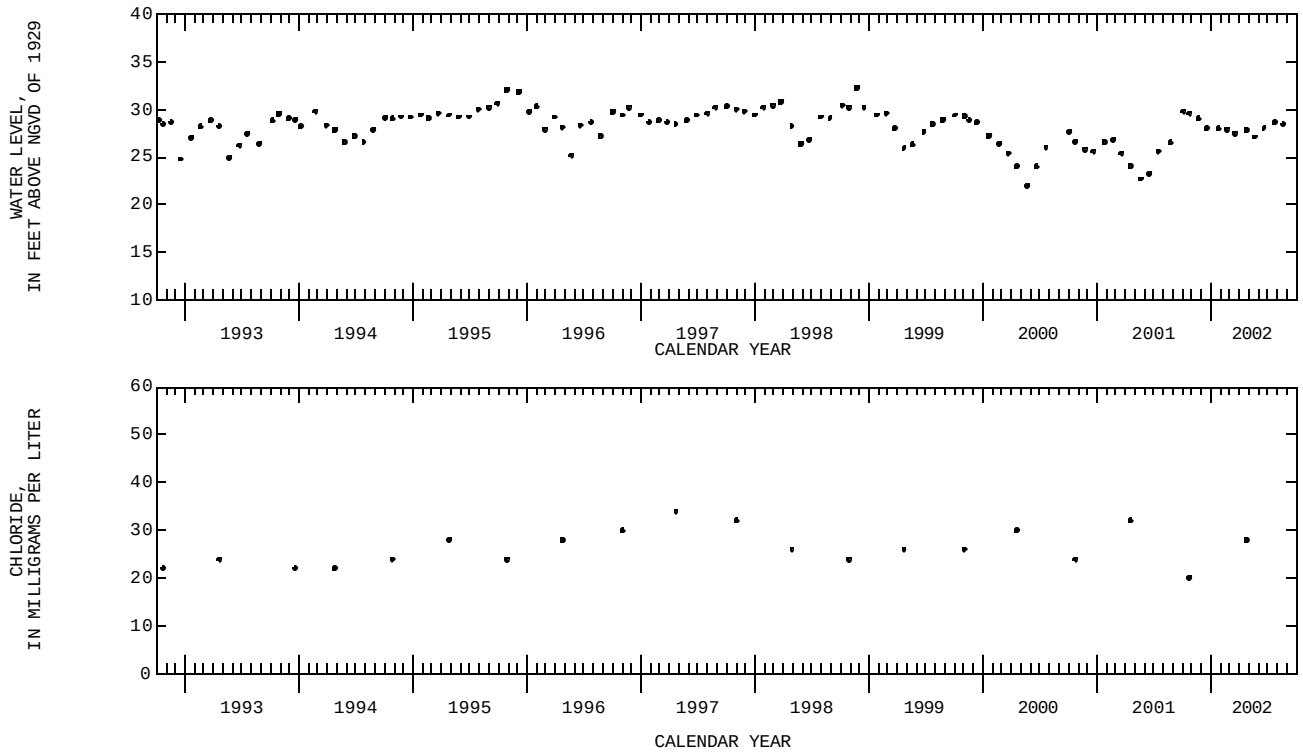
COLLIER COUNTY--Continued

WELL NUMBER.--262121081355502. Local Number C 963.

LOCATION.--Lat 26°21'23", long 81°35'59", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3rd Avenue South (Platt Rd.), 0.25 mi west of County Road 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
04...	1236	--	--	29.80
23...	0931	409	20.0	29.60
NOV				
21...	1020	--	--	29.00
DEC				
18...	0952	--	--	28.00
JAN				
23...	1033	--	--	28.00
FEB				
20...	0921	--	--	27.90
MAR				
18...	1003	--	--	27.50
APR				
23...	1045	407	28.0	27.80
MAY				
20...	1127	--	--	27.10
JUN				
19...	1025	--	--	28.00
JUL				
25...	0947	--	--	28.60
AUG				
20...	1215	--	--	28.40



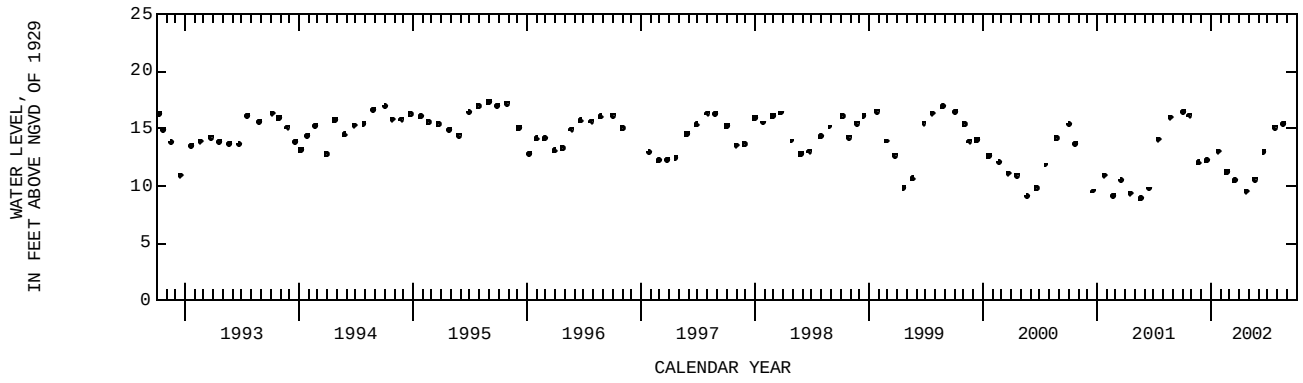
COLLIER COUNTY--Continued

WELL NUMBER.--262121081355503. Local Number C 979.

LOCATION.--Lat 26°21'23", long 81°35'59", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3rd Avenue South (Platt Road), 0.25 mi west of County Road 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 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1231	16.44	23...	1108	9.50
23...	1005	16.13	MAY		
NOV			20...	1133	10.55
21...	1044	12.03	JUN		
DEC			19...	1029	12.92
18...	1010	12.19	JUL		
JAN			25...	0945	15.09
23...	1030	12.99	AUG		
FEB			20...	1223	15.39
20...	0918	11.17			
MAR					
18...	0958	10.45			



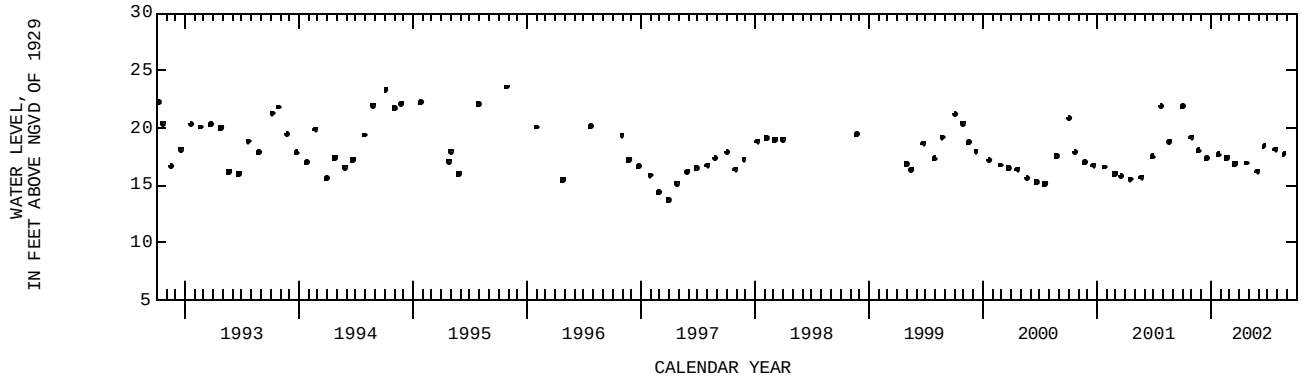
COLLIER COUNTY--Continued

WELL NUMBER.--262136081204201. Local Number C 966.

LOCATION.--Lat 26°21'38", long 81°20'41", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.29, T.47 S., R.30 E., Hydrologic Unit 03090204, 98 ft north of Motorola Road, 55 ft west of State Road 29, 4.0 mi north of County Road 858, 5.7 mi south of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1408	21.86	23...	1418	16.93
30...	1108	19.16	MAY		
NOV			29...	1359	16.22
20...	1307	18.01	JUN		
DEC			19...	1600	18.33
18...	1500	17.31	JUL		
JAN			26...	1340	18.12
23...	1421	17.65	AUG		
FEB			22...	1318	17.65
20...	1349	17.35			
MAR					
18...	1402	16.82			



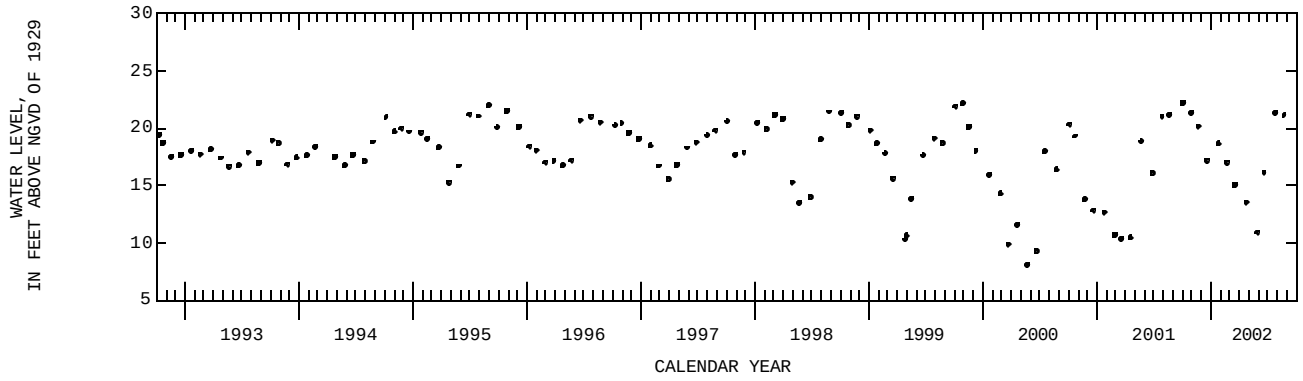
COLLIER COUNTY--Continued

WELL NUMBER.--262136081204202. Local Number C 965.

LOCATION.--Lat 26°21'38", long 81°20'41", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.29, T.47 S., R.30 E., Hydrologic Unit 03090204, 98 ft north of Motorola Road, 55 ft west of State Road 29, 4.0 mi north of County Road 858, 5.7 mi south of State Road 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. Prior to April 30, 1999, top of casing was 5.55 ft above current 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1410	22.21	23...	1415	13.52
30...	1106	21.34	MAY		
NOV			29...	1400	10.92
20...	1306	20.15	JUN		
DEC			19...	1558	16.16
18...	1502	17.21	JUL		
JAN			26...	1342	21.31
23...	1419	18.65	AUG		
FEB			22...	1321	21.10
20...	1350	17.02			
MAR					
18...	1404	15.04			



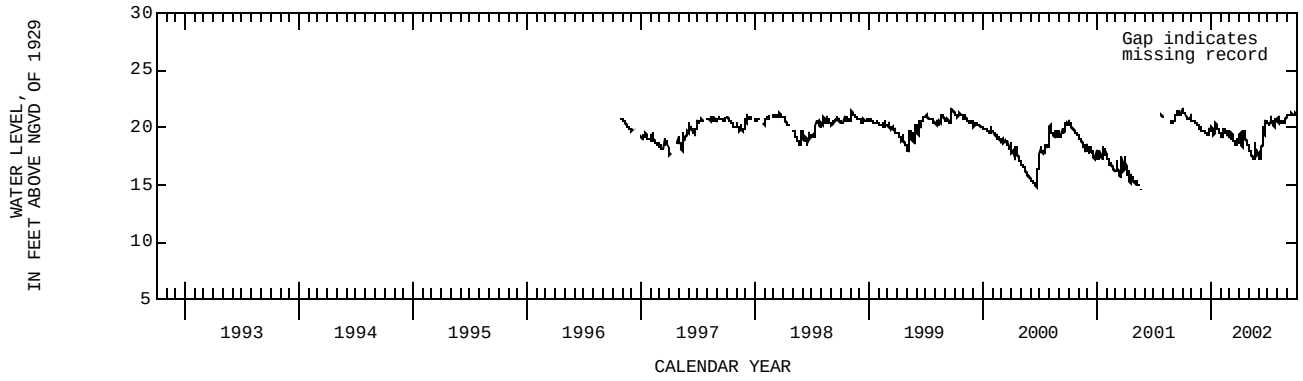
COLLIER COUNTY--Continued

WELL NUMBER.--262158081283401. Local Number C 981.

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 County Road 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 21.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.50 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 15.34 ft above NGVD and measuring point was considered to be 3.45 ft above land-surface datum. Prior to October 1996, measuring point was considered to be top of casing 4.9 ft above land-surface datum. Prior to October 1994, top of casing was considered to be 5.0 ft above land-surface datum. See REMARKS.
REMARKS.--The figures of water-level elevation, in feet NGVD, prior to October 2001, are in error.
PERIOD OF RECORD.--October 1984 to September 1996 (monthly), October 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.66 ft NGVD, Sept. 29, 2001; lowest, 14.54 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.34	20.61	19.72	19.70	19.21	18.84	19.10	17.97	17.24	20.13	20.57	21.00
10	21.07	20.43	19.75	19.58	19.85	19.10	18.38	17.63	18.07	20.85	20.54	21.00
15	20.92	20.33	19.57	20.32	19.41	18.75	19.69	17.28	19.68	20.32	20.40	21.18
20	20.64	20.18	19.29	19.94	19.21	18.64	19.13	18.60	19.44	20.21	20.58	21.12
25	20.96	19.93	19.79	19.63	19.46	18.88	18.72	17.94	20.47	20.80	20.27	21.12
EOM	20.61	19.80	20.10	19.36	19.06	18.60	18.32	17.69	20.29	20.68	20.87	21.16
MAX	21.53	20.61	20.10	20.32	19.85	19.58	19.69	18.60	20.55	20.85	20.90	21.30



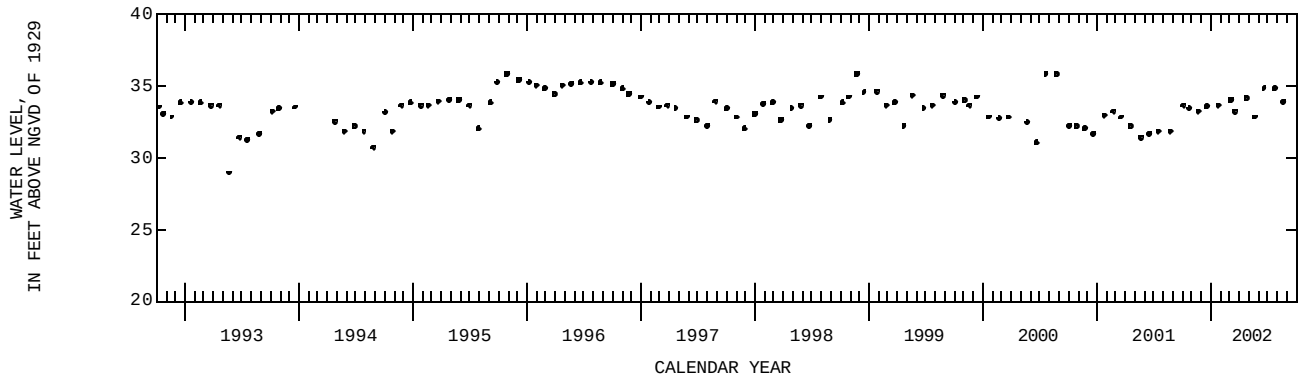
COLLIER COUNTY--Continued

WELL NUMBER.--262158081283402. Local Number C 983.

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 County Road 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 21.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. reducer, at land-surface datum. Prior to October 2001, land-surface datum was considered to be 15.34 ft above National Geodetic Vertical Datum of 1929 and top of 2 in. reducer was considered to be 1.36 ft above land-surface datum. Prior to October 1, 1986, the top of the reducer was considered to be 5.34 ft above the 15.34 ft land-surface datum. See REMARKS.
REMARKS.--Corrected records for water years 1987 to 2001, are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--October 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.1 ft (present datum) NGVD, Nov. 25, 1987; lowest, 20.56 ft (present datum) NGVD, May 28, 1985.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0908	33.64	23...	1230	34.18
23...	1135	33.44	MAY		
NOV			20...	1200	32.84
20...	1459	33.24	JUN		
DEC			19...	1115	34.84
18...	1126	33.56	JUL		
JAN			25...	1036	34.84
23...	1156	33.65	AUG		
MAR			20...	1404	33.91
06...	1335	34.02			
18...	1110	33.22			



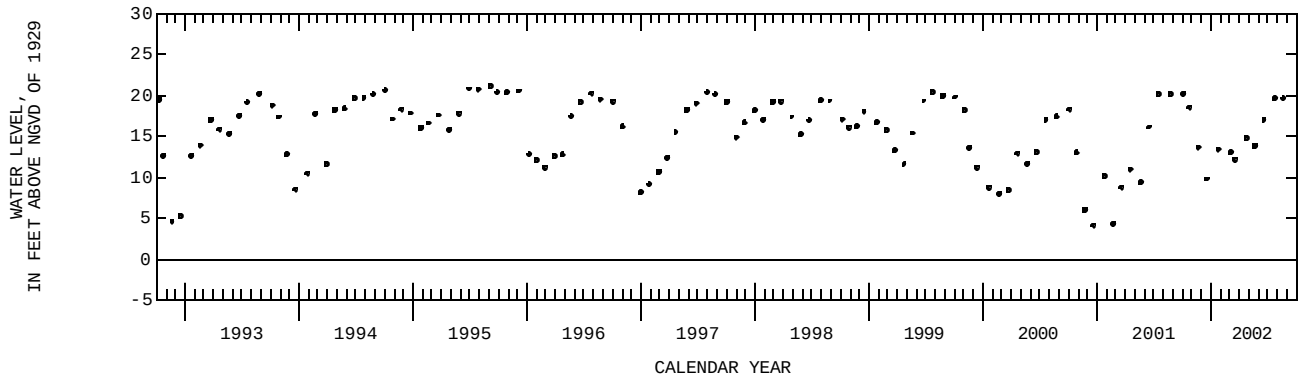
COLLIER COUNTY--Continued

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 County Road 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 21.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.7 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 15.34 ft above National Geodetic Vertical Datum of 1929 and top of casing was considered to be 4.91 ft above land-surface datum. Prior to March 1987, top of casing was considered to be 5.23 ft above 15.34 ft land-surface datum. See REMARKS.
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1, 2001, are in error. Corrected figures are available in the files of the U.S. Geological Survey. Extremes for period of record historical data have been adjusted to present datum.
PERIOD OF RECORD.--October 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.27 ft (present datum) NGVD, July 24, 1991; lowest, 0.84 ft (present datum) below NGVD, Mar. 31, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0920	20.24	23...	1237	14.82
23...	1138	18.59	MAY		
NOV			20...	1205	13.86
20...	1510	13.67	JUN		
DEC			19...	1125	17.03
18...	1143	9.82	JUL		
JAN			25...	1054	19.63
23...	1157	13.44	AUG		
MAR			20...	1457	19.65
06...	1342	13.02			
18...	1139	12.24			



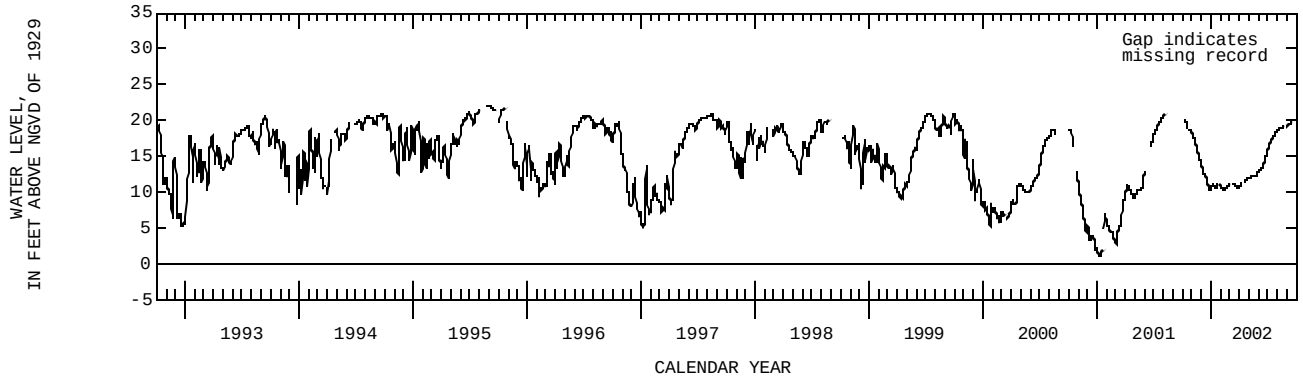
COLLIER COUNTY--Continued

WELL NUMBER.--262158081283404. Local Number C 1079.

LOCATION.--Lat 26°22'00", long 81°28'36", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of County Road 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 21.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.6 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 15.34 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 1.33 ft above land-surface datum. Prior to December 1, 1986, measuring point was top of casing at land-surface datum.
REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 1, 2001, are in error. Corrected figures are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--October 1985 to September 1986 (semiannual), April 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.05 ft (present datum) NGVD, Aug. 28-31, 1995; lowest, 0.77 ft (present datum) below NGVD, Apr. 26, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	17.72	13.07	11.03	10.68	---	10.96	12.08	13.02	16.46	18.77	19.44
10	19.90	17.11	12.55	10.89	10.41	11.16	---	12.13	13.31	16.99	18.95	19.56
15	19.22	16.10	12.11	10.56	10.57	11.24	---	12.14	13.70	17.51	19.05	19.77
20	---	15.39	11.34	11.10	---	10.98	11.59	12.15	14.35	17.91	19.13	19.86
25	18.77	14.62	10.53	---	11.07	10.76	11.92	12.40	15.02	18.21	19.22	---
EOM	18.29	13.91	10.41	10.92	11.21	10.81	12.08	12.76	15.79	18.54	19.26	---
MAX	---	18.09	13.76	---	---	---	---	12.76	15.79	18.54	---	---



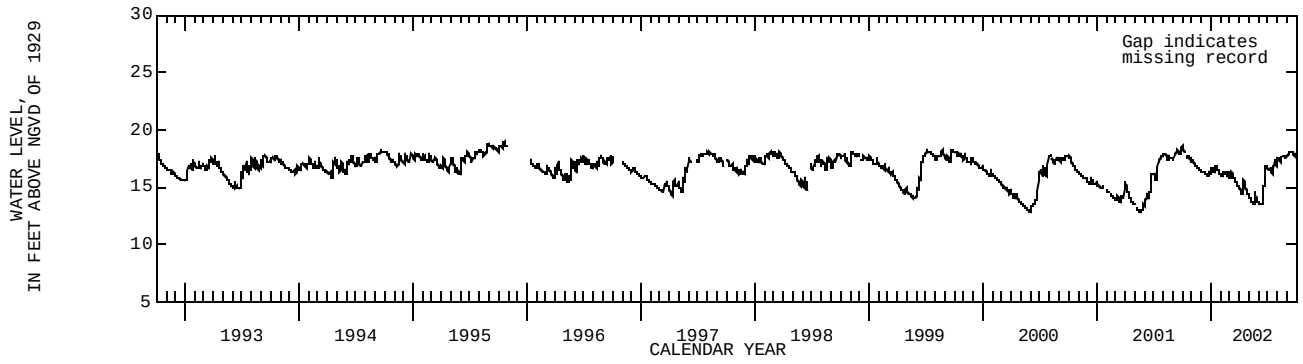
COLLIER COUNTY--Continued

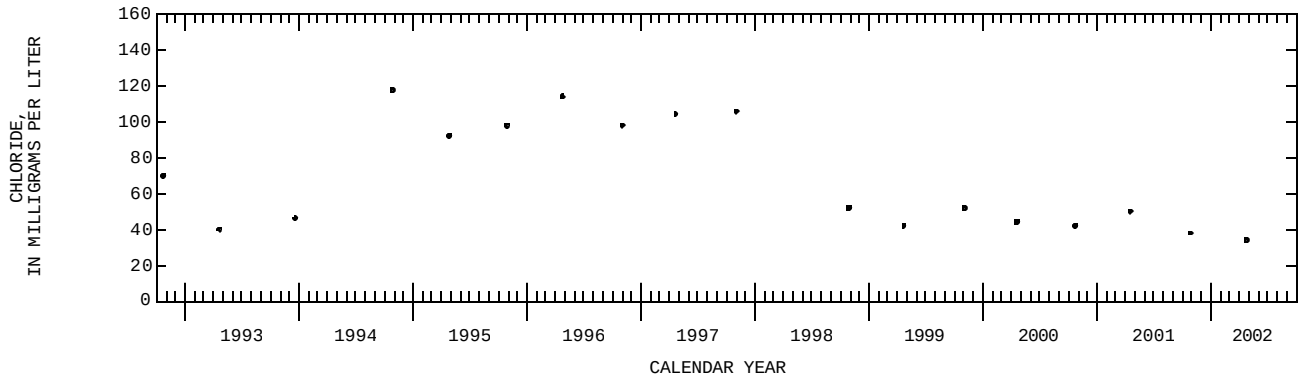
WELL NUMBER.--262228081361901. Local Number C 492.

LOCATION.--Lat 26°22'28", long 81°36'19", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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 County Road 846 on County Road 849 and 12 mi north of Immokalee.
AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD. 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 indicted 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.18	17.29	16.31	16.47	15.93	15.65	14.73	13.99	13.52	16.25	17.21	18.07
10	---	16.93	16.36	16.23	16.36	16.09	14.44	13.74	13.57	16.75	17.26	18.10
15	---	16.79	16.17	16.90	16.07	15.72	15.56	13.52	14.85	16.20	---	18.04
20	17.47	16.66	16.03	16.51	15.88	15.48	15.09	14.55	15.31	16.51	17.57	17.92
25	17.44	16.50	16.27	16.34	16.11	15.21	14.58	14.09	16.90	17.20	17.40	17.82
EOM	17.25	16.43	16.70	16.11	15.74	14.95	14.25	13.68	16.53	17.49	17.72	17.65
MAX	---	17.29	16.70	16.90	16.37	16.31	15.56	14.55	16.92	17.49	---	18.12





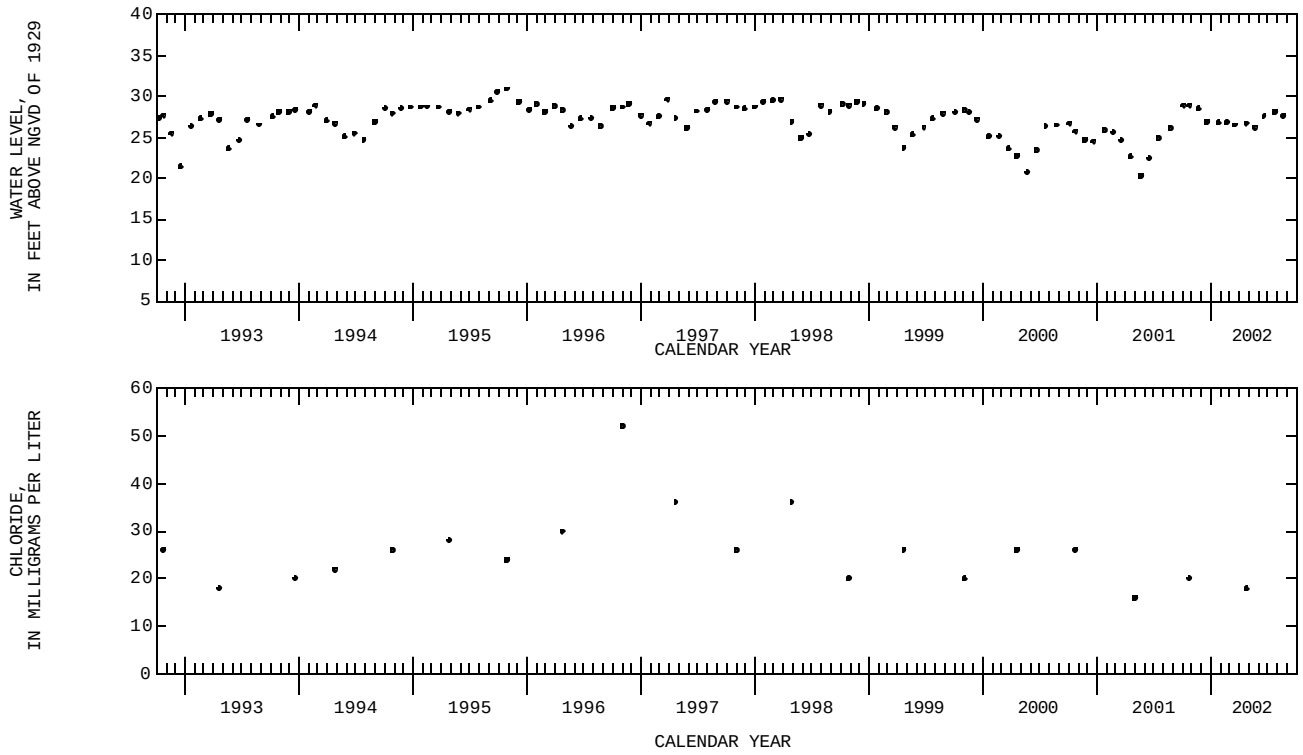
COLLIER COUNTY--Continued

WELL NUMBER.--262228081361902. Local Number C 1080.

LOCATION.--Lat 26°22'28", long 81°36'19", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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 County Road 846 on County Road 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
04...	1132	--	--	28.90
23...	1050	442	20.0	28.90
NOV				
21...	0957	--	--	28.50
DEC				
18...	1023	--	--	26.90
JAN				
23...	1106	--	--	26.80
FEB				
20...	1006	--	--	26.80
MAR				
18...	1030	--	--	26.50
APR				
23...	1128	440	18.0	26.70
MAY				
20...	1144	--	--	26.20
JUN				
19...	1044	--	--	27.50
JUL				
25...	1012	--	--	28.10
AUG				
20...	1248	--	--	27.60



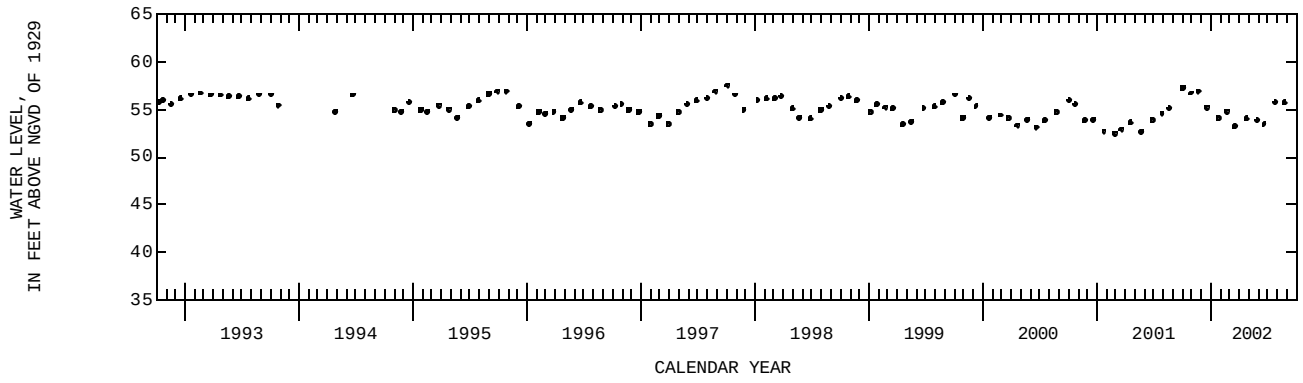
COLLIER COUNTY--Continued

WELL NUMBER.--262505081245301. Local Number C 258.

LOCATION.--Lat 26°25'03", long 81°24'58", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.3, T.47 S., R.29 E., Hydrologic Unit 03090204, 100 ft south of State Road 29, 500 ft east of State Road 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 U.S. 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.--April 1981 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1056	57.20	24...	1457	54.00
29...	1504	56.70	MAY		
NOV			29...	1039	53.80
20...	0956	56.90	JUN		
DEC			19...	1005	53.40
18...	1140	55.20	JUL		
JAN			26...	1040	55.70
23...	0931	54.10	AUG		
FEB			23...	1332	55.70
20...	1527	54.80			
MAR					
19...	1118	53.20			



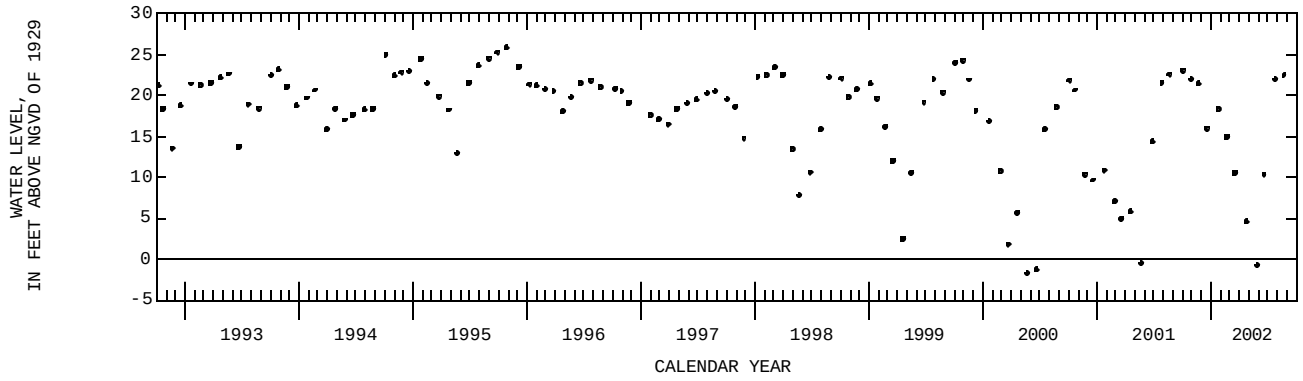
COLLIER COUNTY--Continued

WELL NUMBER.--262507081235201. Local Number C 298.

LOCATION.--Lat 26°25'09", long 81°23'54", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.2, T.47 S., R.29 E., Hydrologic Unit 03090204, 30 ft north of State Road 846, 0.75 mi east of State Road 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 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.--May 1981 to October 1981 (semiannual), October 1982 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1248	23.02	24...	1238	4.55
30...	0953	21.91	MAY		
NOV			29...	1239	-.81
20...	1208	21.45	JUN		
DEC			19...	1236	10.37
18...	1606	15.96	JUL		
JAN			26...	1231	21.95
23...	1526	18.35	AUG		
FEB			22...	1428	22.41
20...	1505	14.92			
MAR					
18...	1510	10.50			



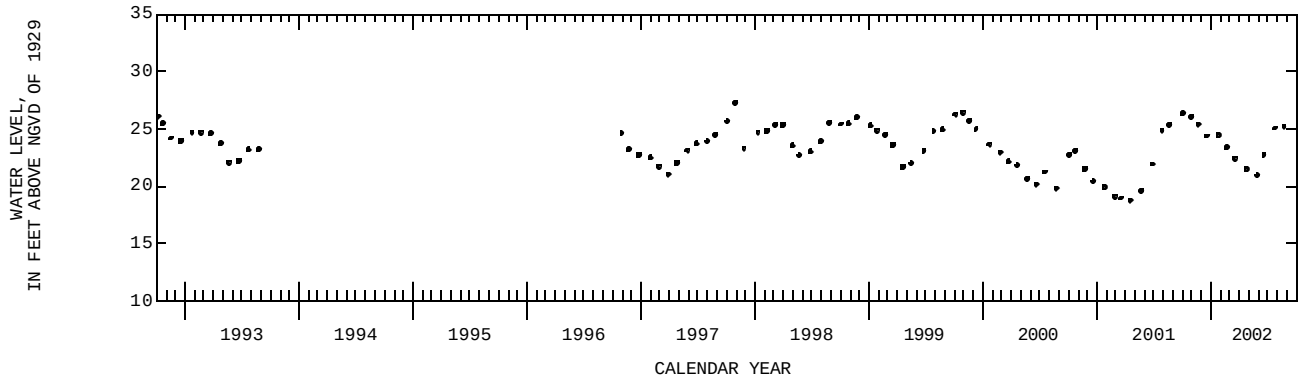
COLLIER COUNTY--Continued

WELL NUMBER.--262519081162102. Local Number C 1074.

LOCATION.--Lat 26°25'20", long 81°16'19", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.1, T.47 S., R.30 E., Hydrologic Unit 03090204, 50 ft south of State Road 846 at the Collier/Hendry County line southwest corner of State Road 846 and County Road 858, 9 mi east of Immokalee. (Corrected).
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.--November 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1311	26.30	24...	1218	21.49
30...	1015	26.01	MAY		
NOV			29...	1253	20.93
20...	1222	25.37	JUN		
DEC			19...	1330	22.72
18...	1549	24.37	JUL		
JAN			26...	1246	25.06
23...	1510	24.44	AUG		
FEB			22...	1410	25.20
20...	1449	23.35			
MAR					
18...	1451	22.41			



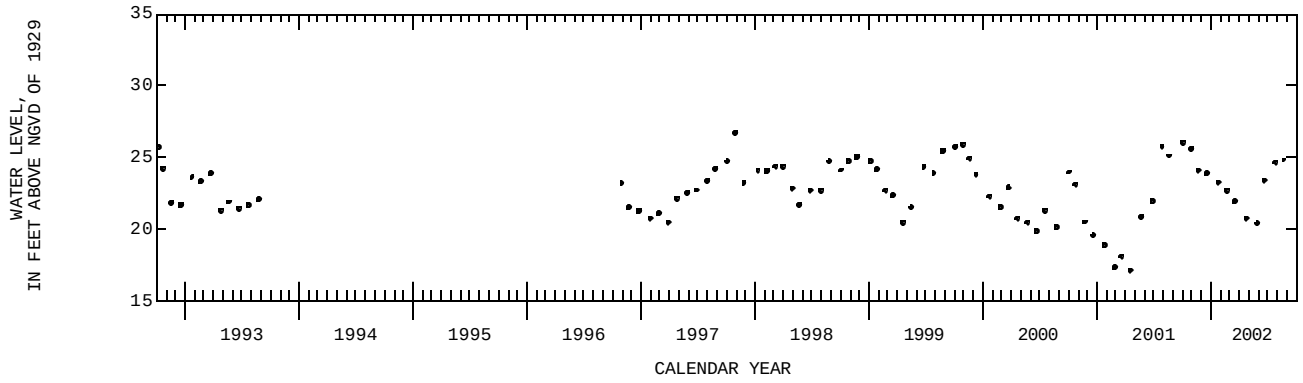
COLLIER COUNTY--Continued

WELL NUMBER.--262521081161901. Local Number C 131.

LOCATION.--Lat 26°25'20", long 81°16'19", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.1, T.47 S., R.30 E., Hydrologic Unit 03090204, 50 ft northeast of the intersection of State Road 846 and State Road 858, at the Collier/Hendry County line and 9 mi east of Immokalee. (Corrected).
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. Prior to October 1, 1980, measuring point was considered top of casing, 3.00 ft above 26.60 ft 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 U.S. Geological Survey. The figures of water levels, as elevation in ft NGVD, prior to October 1975 are in error. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1306	26.05	24...	1225	20.76
30...	1011	25.61	MAY		
NOV			29...	1251	20.37
20...	1218	24.09	JUN		
DEC			20...	1600	23.39
18...	1553	23.85	JUL		
JAN			26...	1242	24.67
23...	1516	23.27	AUG		
FEB			22...	1415	24.82
20...	1450	22.70			
MAR					
18...	1525	21.90			



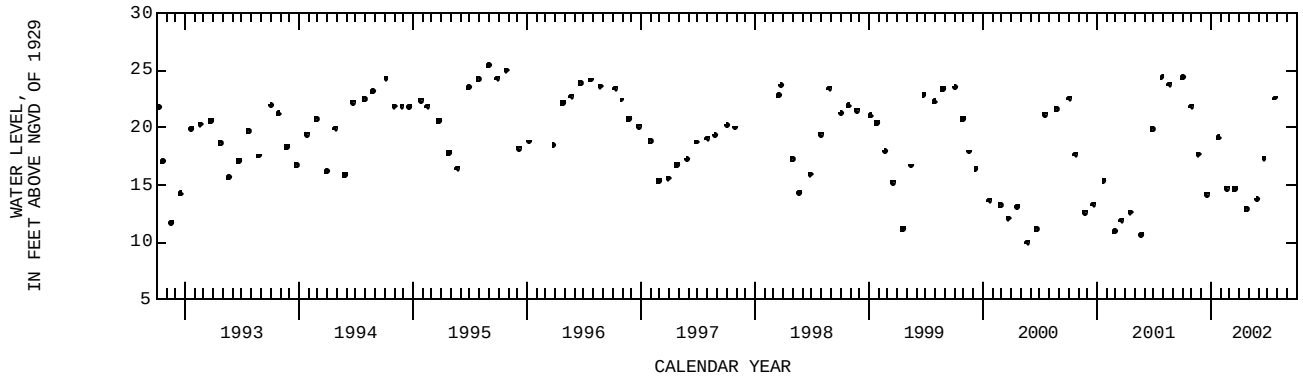
COLLIER COUNTY--Continued

WELL NUMBER.--262554081283801. Local Number C 687.

LOCATION.--Lat 26°25'54", long 81°28'39", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.36, T.46 S., R.28 E., Hydrologic Unit 03090204, in island of Tippins Terrace Road, 0.1 mi south of County Road 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.--Electronic data logger with pressure transducer. Prior to August 2002, monthly measurement with chalked tape.
DATUM.--Land-surface datum is 23.56 ft above National Geodetic Vertical Datum of 1929. Prior to October 2001, land-surface datum was 22.98 ft NGVD. Prior to October 1986, land-surface datum was considered to be 6.55 ft NGVD. Measuring point: Top of casing, 3.50 ft above land-surface datum. Prior to October 2001, top of casing was 4.08 ft above 22.98 ft NGVD land-surface datum. Prior to March 17, 1998, top of casing was 2.94 ft above land-surface datum. Prior to October 1989, top of casing was 3.26 ft above land-surface datum. Prior to October 1985, top of casing was considered to be 3.26 ft above a 6.55 ft NGVD land-surface datum. See REMARKS.
REMARKS.--Records of water levels prior to October 1983 are available in files of the U.S. 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.--October 1981 to September 1982 (intermittent), October 1982 to July 2002 (monthly), August 2002 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
03...	1006	24.34	19...	1140	14.62
29...	1430	21.83	APR		
NOV			24...	1549	12.88
20...	0912	17.65	MAY		
DEC			29...	0950	13.68
18...	1209	14.16	JUN		
JAN			19...	0932	17.32
24...	0950	19.12	JUL		
FEB			26...	0945	22.56
21...	1100	14.71			



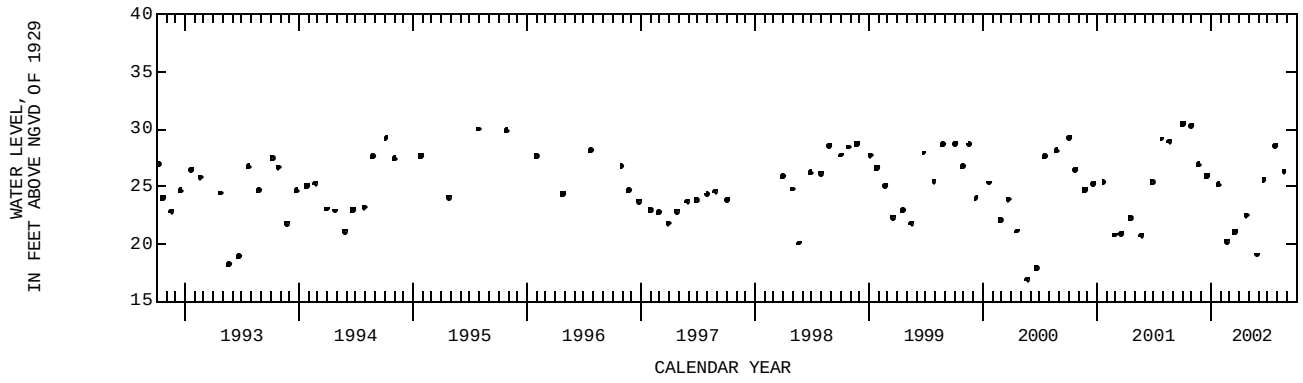
COLLIER COUNTY--Continued

WELL NUMBER.--262555081242501. Local Number C 363.

LOCATION.--Lat 26°25'55", long 81°24'25", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 State Road 29 and 1.2 mi east of the Immokalee Post Office.
AQUIFER.--Tamiami aquifer of the Pliocene Age, Geologic Unit 121 TMIM. (Corrected).
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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1108	30.43	24...	1301	22.48
30...	0804	30.26	MAY		
NOV			29...	1047	19.02
20...	1004	26.89	JUN		
DEC			19...	1012	25.58
18...	1005	25.90	JUL		
JAN			26...	1048	28.53
23...	1336	25.18	AUG		
FEB			22...	1438	26.32
20...	1516	20.22			
MAR					
19...	0927	21.01			



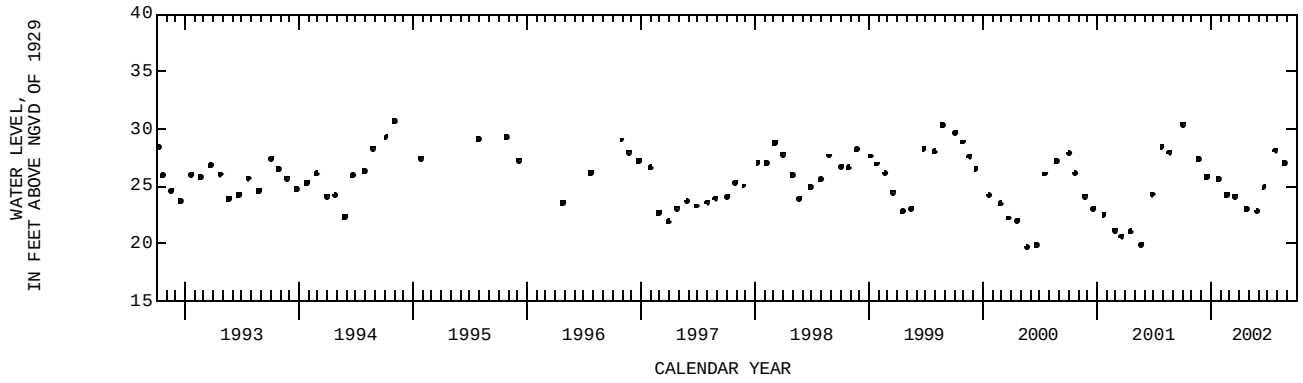
COLLIER COUNTY--Continued

WELL NUMBER.--262558081270501. Local Number C 1078.

LOCATION.--Lat 26°25'59", long 81°27'07", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.31, T.46 S., R.29 E., Hydrologic Unit 03090204, 25 ft north of County Road 890, 1.1 mi west of State Road 29 on County Road 890, 2.0 mi west of Immokalee Post Office. (Corrected).
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, screened 13 to 38 ft.
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 31.91 ft above National Geodetic Vertical Datum of 1929 and top of casing was 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1003	30.36	24...	1516	22.99
NOV			MAY		
20...	0907	27.39	29...	0943	22.79
DEC			JUN		
18...	1159	25.77	19...	0927	24.87
JAN			JUL		
24...	0941	25.63	26...	0940	28.10
FEB			AUG		
21...	1048	24.25	23...	1346	26.99
MAR					
19...	1130	24.10			



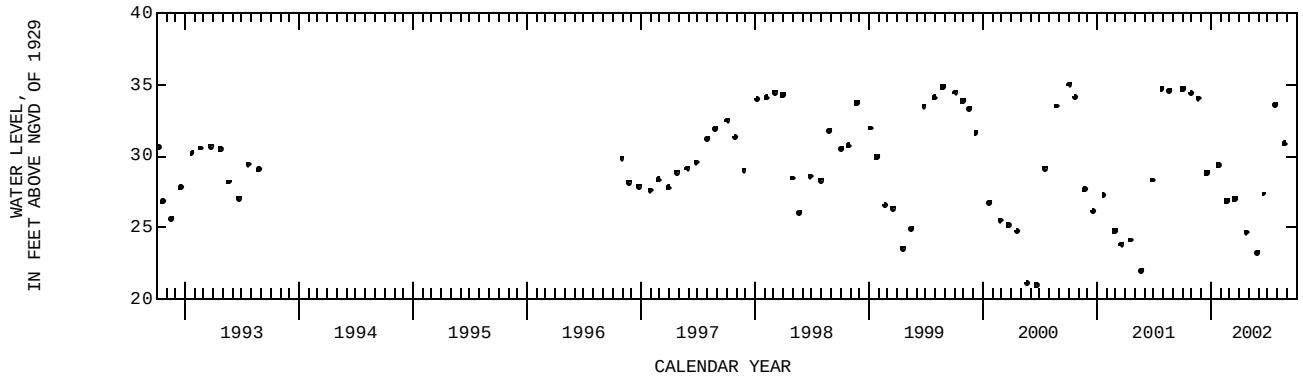
COLLIER COUNTY--Continued

WELL NUMBER.--262724081260701. Local Number C 462.

LOCATION.--Lat 26°27'26", long 81°26'12", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.20, T.46 S., R.29 E., Hydrologic Unit 03090204, in pasture 0.1 mi west of State Road 29, 1.7 mi north of State Road 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0947	34.69	24...	1603	24.66
29...	1500	34.34	MAY		
NOV			29...	0931	23.25
20...	0846	34.01	JUN		
DEC			19...	0912	27.35
18...	1300	28.81	JUL		
JAN			26...	0930	33.55
24...	1050	29.39	AUG		
FEB			23...	1458	30.87
21...	1141	26.88			
MAR					
19...	1220	26.99			



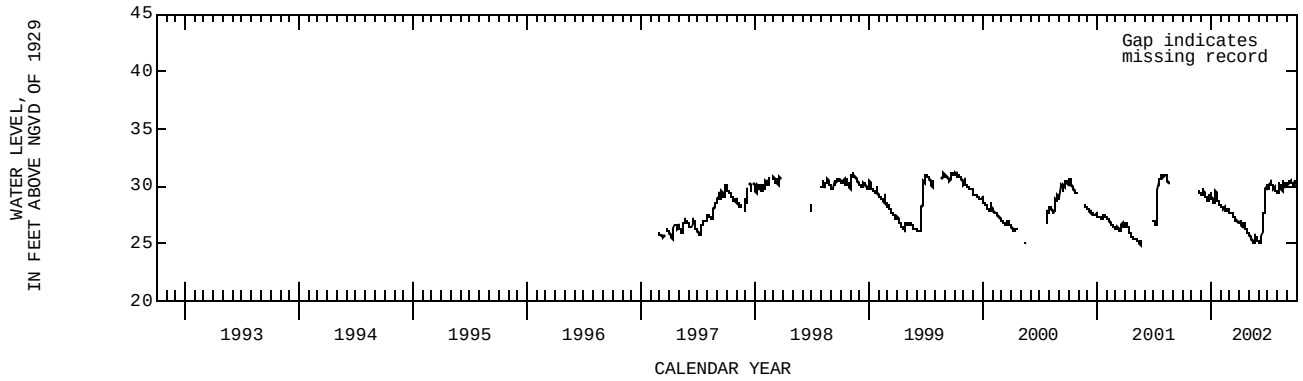
COLLIER COUNTY--Continued

WELL NUMBER.--262822081213201. Local Number C 1075.

LOCATION.--Lat 26°28'31", long 81°21'57", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090205, 3.8 mi north of State Road 846 and 4.5 mi east of State Road 29, 5.0 mi northeast of Immokalee. (Corrected).
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, screened 8 to 20 ft.
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. Prior to March 27, 1998, measuring point was top of casing, 2.74 ft above land-surface datum. Prior to October 30, 1996, top of casing was 3.30 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	29.13	28.81	28.12	27.45	27.00	25.60	25.11	29.52	29.29	30.30
10	---	---	29.32	28.56	28.07	27.47	26.49	25.35	25.29	30.42	29.88	30.26
15	---	---	29.00	29.65	27.89	27.26	26.81	25.12	27.23	30.01	29.71	30.26
20	---	---	28.83	28.88	27.73	27.03	26.42	25.60	27.64	29.66	30.13	29.99
25	---	29.41	29.25	28.58	27.91	26.94	26.12	25.55	29.82	29.80	29.81	30.33
EOM	---	29.27	29.39	28.29	27.65	26.61	25.85	25.17	29.62	29.58	29.89	29.97
MAX	---	---	29.72	29.65	28.26	27.64	27.01	25.81	30.05	30.42	30.44	30.48



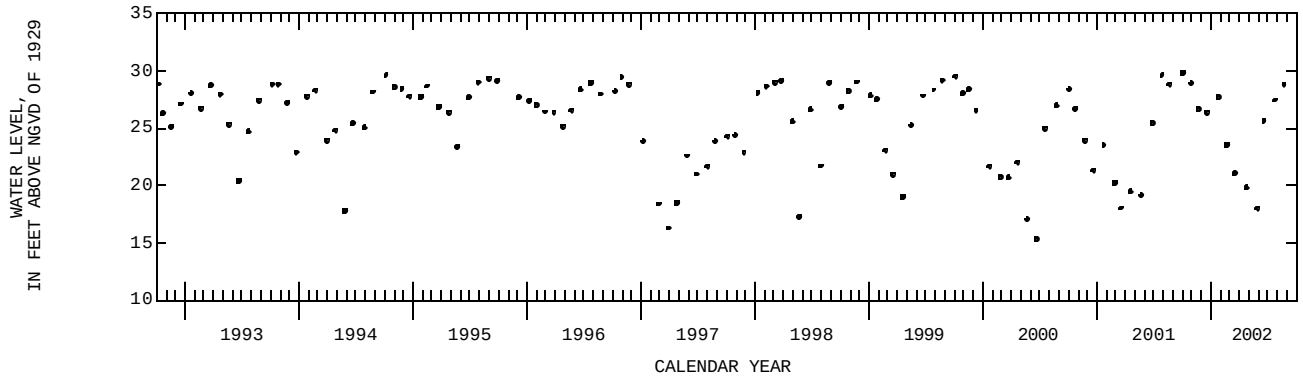
COLLIER COUNTY--Continued

WELL NUMBER.--262822081213202. Local Number C 1076.

LOCATION.--Lat 26°28'31", long 81°21'58", in NE 1/4 SW 1/4 SE 1/4 sec.18, T.46 S., R.30 E., Hydrologic Unit 03090205, 3.8 mi north of County Road 846 and 4.5 mi east of State Road 29, 5 mi northeast of Immokalee. (Corrected).
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1214	29.83	24...	1400	19.83
30...	0902	28.88	MAY		
NOV			29...	1139	17.99
20...	1035	26.65	JUN		
DEC			19...	1109	25.62
19...	1046	26.37	JUL		
JAN			26...	1128	27.45
23...	1617	27.73	AUG		
FEB			22...	1532	28.80
21...	1002	23.52			
MAR					
19...	1032	21.01			



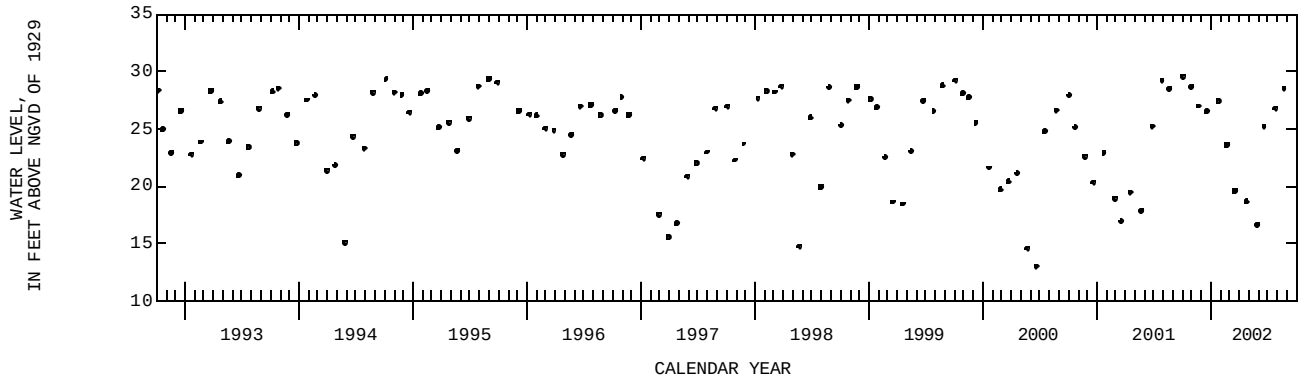
COLLIER COUNTY--Continued

WELL NUMBER.--262822081213203. Local Number C 1077.

LOCATION.--Lat 26°28'31", long 81°21'58", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090205, 3.8 mi north of County Road 846, and 4.5 mi east of State Road 29, 5 mi northeast of Immokalee. (Corrected).
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1209	29.58	24...	1356	18.66
30...	0906	28.64	MAY		
NOV			29...	1141	16.59
20...	1037	26.99	JUN		
DEC			19...	1057	25.19
19...	1039	26.49	JUL		
JAN			26...	1132	26.79
23...	1627	27.39	AUG		
FEB			22...	1535	28.52
21...	1012	23.60			
MAR					
19...	1036	19.58			



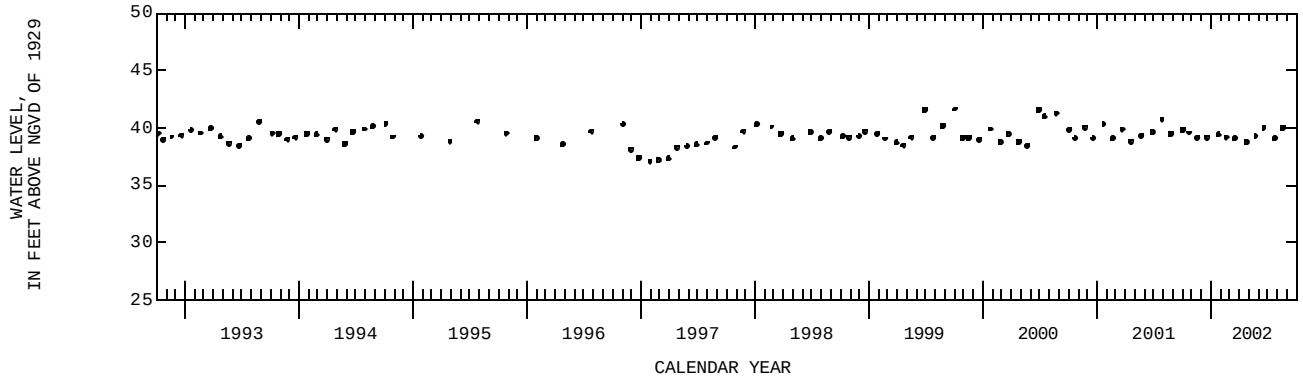
COLLIER COUNTY--Continued

WELL NUMBER.--262859081273002. Local Number C 532.

LOCATION.--Lat 26°29'33", long 81°27'35", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.7, T.46 S., R.29 E., Hydrologic Unit 03090205, 24 ft north of State Road 82, 1.5 mi west of State Road 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1505	39.82	24...	1445	38.73
24...	1411	39.55	MAY		
NOV			24...	1346	39.22
19...	1516	39.09	JUN		
DEC			19...	1138	39.97
17...	1515	39.15	JUL		
JAN			25...	1311	39.04
24...	1427	39.38	AUG		
FEB			19...	1446	39.98
19...	1503	39.15			
MAR					
18...	1519	39.06			



COLLIER COUNTY

MULTIPLE STATION ANALYSES

Station number	Local identifier	Latitude	Longitude	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
261002081483701	C - 525	26 09 58 N	081 48 35 W	10-26-01	1152	610	66.0
		26 09 58 N	081 48 35 W	04-19-02	1059	3280	880

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Glades County

Key to site locations on figure # 15

Glades County

Index Number	Site Number	Well Name	Page Number
1	264941081321301	GL 328	261
2	264623081213601	HE 517	260

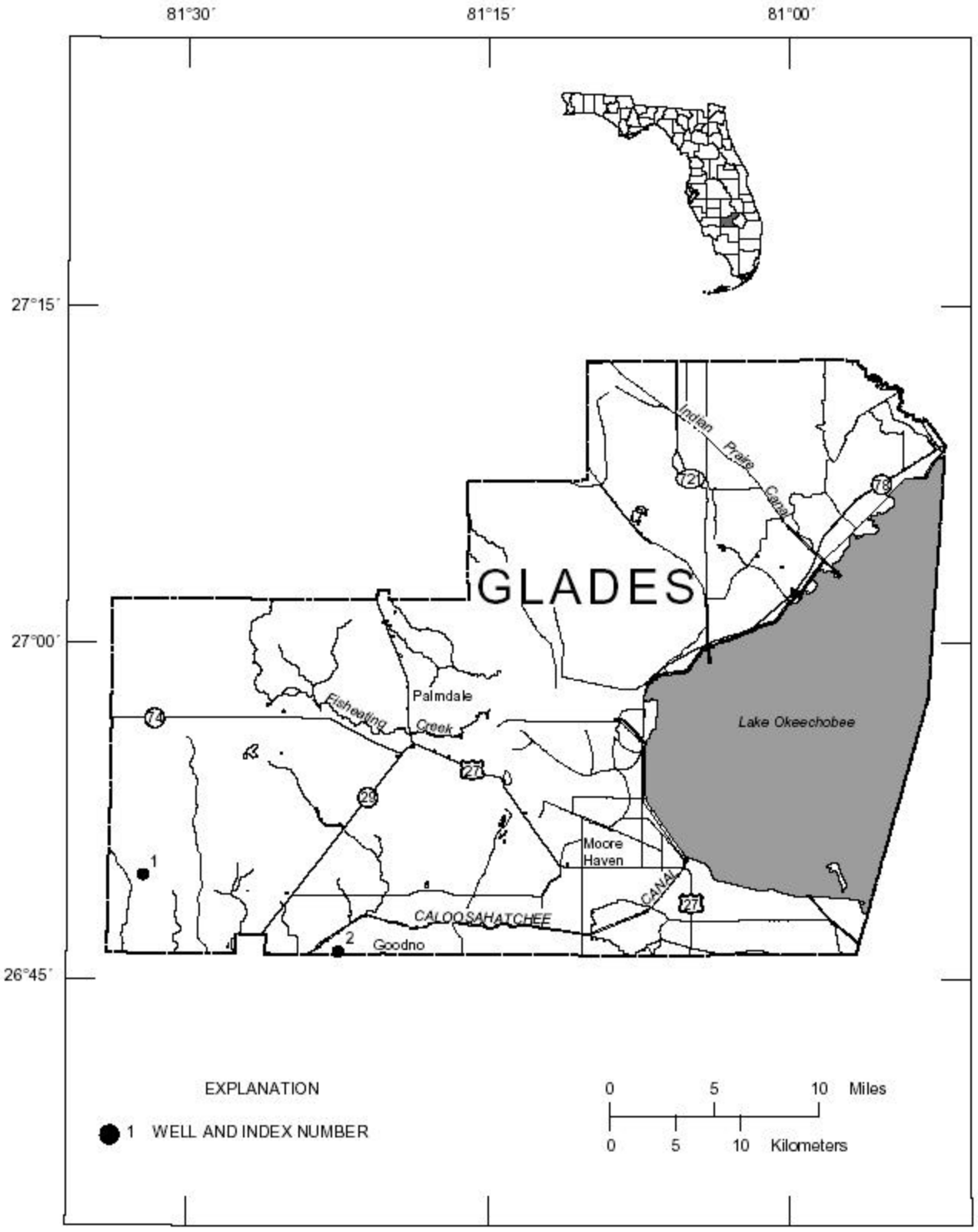


Figure 15: Location of wells in Glades County

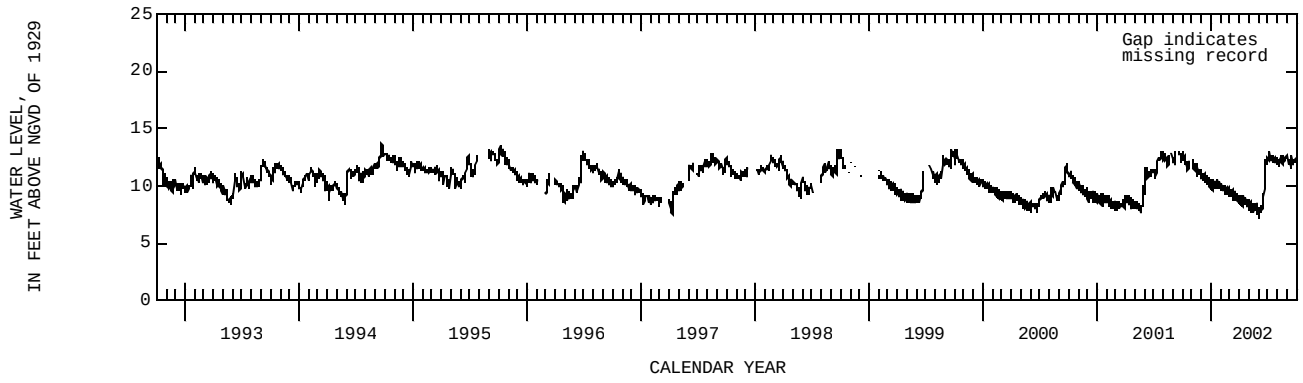
GLADES COUNTY

WELL NUMBER.--264623081213601. Local Number HE 517.

LOCATION.--Lat 26°46'14", long 81°22'28", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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 north of State Road 80.
AQUIFER.--Tamiami aquifer of the Pliocene Age, Geologic Unit 122 SNDS. (Corrected).
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 with pressure transducer.
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, 6.97 ft NGVD, June 1, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.42	12.24	10.83	10.22	9.51	9.00	8.88	8.53	7.83	12.62	12.15	11.94
10	11.89	11.73	10.98	10.12	9.97	9.68	8.27	7.56	8.24	12.27	12.43	12.20
15	12.03	11.10	10.59	9.78	9.82	8.73	9.02	7.56	8.62	12.64	11.99	12.56
20	11.70	11.08	10.22	10.41	9.40	8.88	8.71	8.45	10.00	12.33	11.83	12.02
25	---	11.33	10.44	9.73	9.77	9.32	8.06	8.30	12.16	11.94	12.30	11.95
EOM	---	10.76	10.47	9.58	8.99	9.16	8.18	7.50	12.34	12.04	12.41	12.34
MAX	---	12.24	11.08	10.47	10.11	9.69	9.18	8.57	12.34	12.86	12.60	12.59



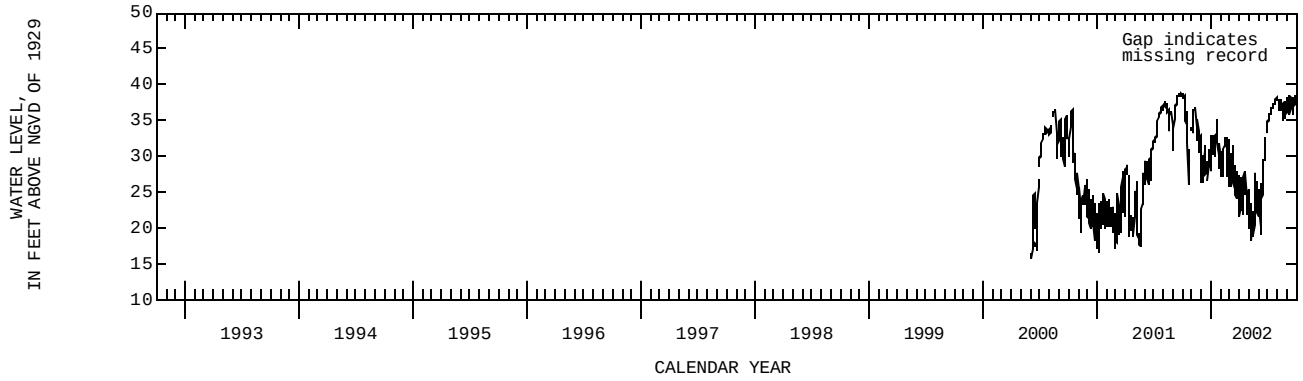
GLADES COUNTY--Continued

Well Number.--264941081321301. Local Number GL 328. USGS Observation Well near La Belle, FL.

LOCATION.-- Lat 26°49'40", long 81°32'10", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.17, T.42 S., R.28 E., Hydrologic Unit 03090205, 30 ft south of State Road 720, 2 mi east of intersection Muse Road and State Road 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 with a pressure transducer.
DATUM.--Land-surface datum is 41.03 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. iron pipe, 0.60 ft, above land-surface datum. Prior to October 2001, land-surface datum was considered to be 38.13 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 3.50 ft above land-surface datum. See REMARKS.
REMARKS.--In the 2002 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 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 38.77 ft NGVD, Oct. 1, 2001; lowest, 15.43 ft NGVD, June 3, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.22	36.07	27.31	30.59	28.29	30.20	23.07	22.50	22.58	35.27	37.25	37.34
10	35.94	36.82	31.06	30.75	30.89	31.07	23.12	19.74	26.19	35.98	37.59	35.53
15	36.23	32.01	27.78	32.76	31.48	25.36	27.09	18.54	27.13	36.78	37.00	38.17
20	28.83	33.41	---	34.99	29.17	25.34	25.75	25.62	29.87	37.19	34.78	35.67
25	---	32.54	30.01	28.18	32.11	27.83	22.68	24.62	---	37.76	37.30	37.80
EOM	33.60	27.35	30.97	28.69	25.66	26.85	22.94	21.34	34.21	38.20	37.95	38.49
MAX	---	36.89	---	35.09	32.64	31.39	27.87	27.54	---	38.20	38.23	38.49



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Hendry County

Key to site locations on figure # 16

Hendry County

Index Number	Site Number	Well Name	Page Number
1	263845081260701	HE 555	268
2	263845081260702	HE 556	269
3	263930081301501	HE 559	271
4	263845081260703	HE 851	270
5	261735080534001	HE 861	266
6	261735080534002	HE 862	267

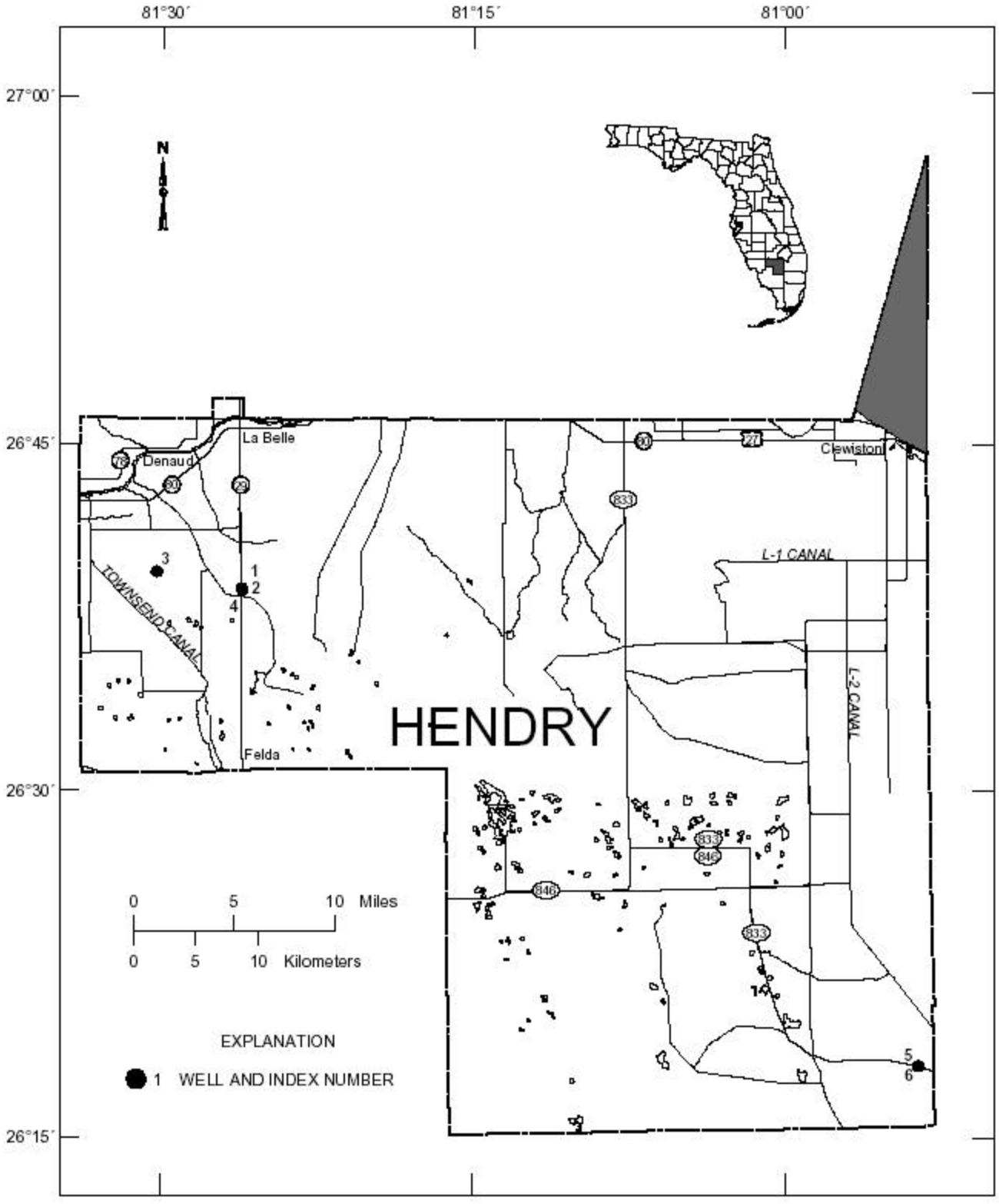


Figure 16: Location of wells in Hendry County

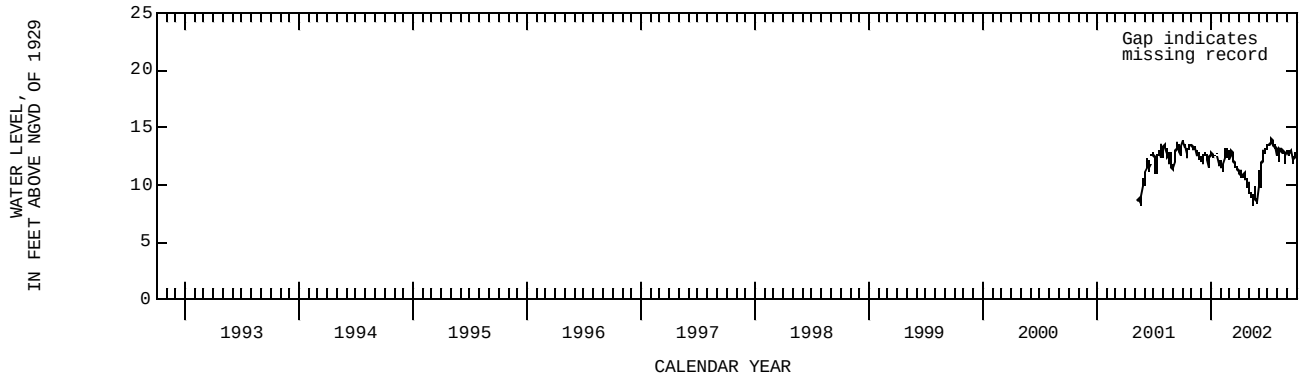
HENDRY COUNTY

WELL NUMBER.--261735080534001. Local Number HE 861. USGS Observation Well near Immokalee, FL.

LOCATION.--Lat 26°18'09", long 80°53'35", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.24, T.48 S., R.34 E., Hydrologic Unit 03090202, 35 ft south of County Road 833, 0.75 mi west of the Broward County line and 5.2 mi east of the Big Cypress Forest Office. (Corrected).
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 to 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 daily maximum water level, 13.93 ft NGVD, July 13, 2002; lowest, 6.94 ft NGVD, May 31, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.69	13.36	12.17	12.56	11.69	12.64	11.28	9.26	10.22	13.47	12.58	12.68
10	13.27	12.88	12.73	12.41	11.64	12.26	10.59	8.76	11.36	13.63	13.00	12.80
15	12.41	---	12.57	12.46	12.43	11.86	10.92	8.20	12.84	13.87	13.03	12.91
20	13.23	12.69	12.10	---	13.03	11.74	11.06	---	12.76	13.51	12.91	12.24
25	13.48	---	12.24	11.69	12.94	---	9.72	8.67	13.12	13.36	11.77	12.77
EOM	13.42	12.44	12.61	11.85	12.02	11.03	9.81	9.78	13.04	13.11	12.84	12.85
MAX	13.86	---	---	---	13.10	---	11.28	---	13.16	13.93	13.13	13.00



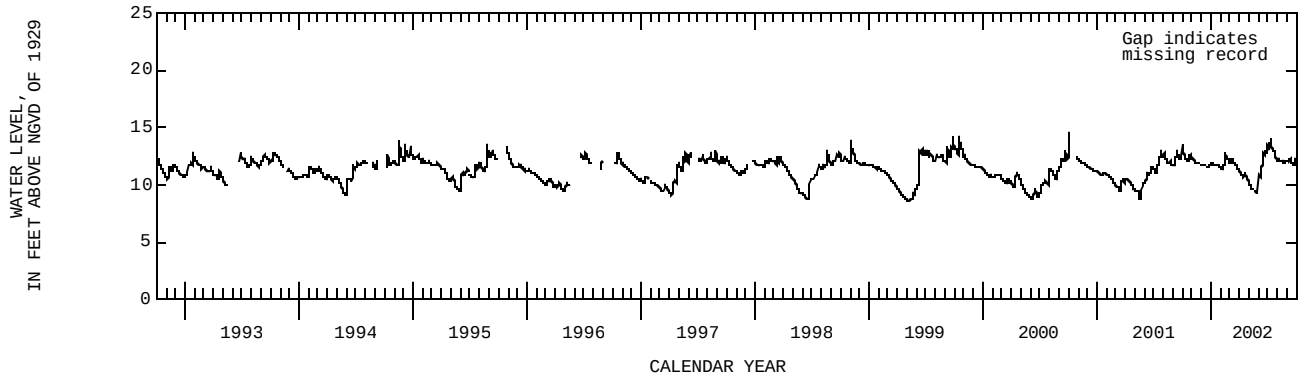
HENDRY COUNTY--Continued

WELL NUMBER.--261735080534002. Local Number HE 862.

LOCATION.--Lat 26°18'09", long 80°53'35", in NW $^1/_4$ NE $^1/_4$ NW $^1/_4$ sec.24, T.48 S., R.34 E., Hydrologic Unit 03090202, 35 ft. south of County Road 833, 0.75 mi west of the Broward County line and 5.2 mi east of the Big Cypress Forest Office. (Corrected).
AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 11 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.70	12.23	11.65	11.79	11.34	11.90	11.03	9.93	10.77	13.15	12.01	12.14
10	12.32	12.00	11.73	11.71	11.74	12.13	10.78	9.67	11.44	13.23	12.09	12.06
15	12.03	11.89	11.68	11.69	11.68	11.91	10.63	9.41	12.79	13.19	12.10	12.03
20	12.11	11.82	11.61	---	12.26	11.75	10.91	---	12.66	12.95	12.01	11.80
25	12.61	---	11.56	11.64	12.18	---	10.60	9.34	12.86	12.49	11.92	12.18
EOM	12.24	11.67	11.85	11.50	12.01	11.25	10.30	10.84	13.15	12.25	12.13	11.90
MAX	12.95	---	---	---	12.83	---	11.20	---	13.15	13.98	12.26	12.26



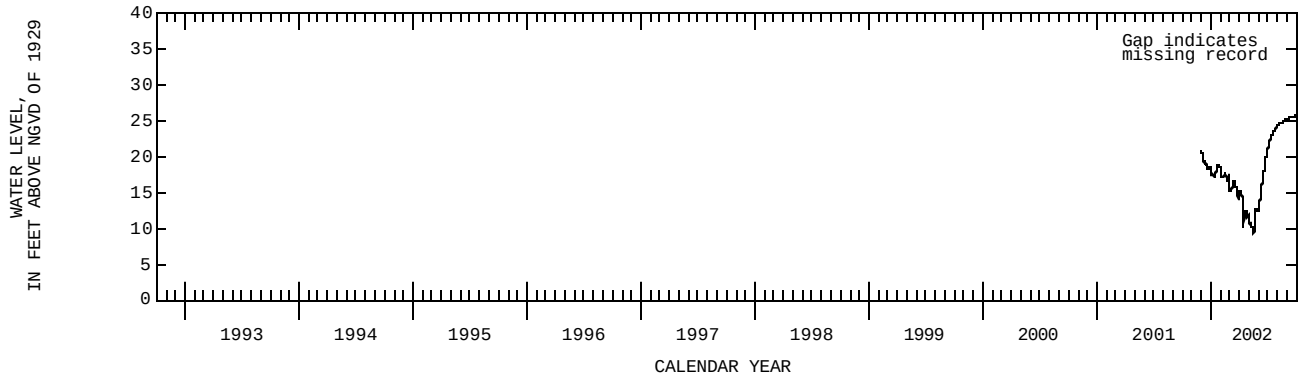
HENDRY COUNTY--Continued

WELL NUMBER.--263845081260701. Local Number HE 555.

LOCATION.--Lat 26°38'47", long 81°26'09", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Road 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 270 ft, cased to 250 ft, screened 250 to 270 ft.
INSTRUMENTATION.--Satellite 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, 2.50 ft above land-surface datum.
REMARKS.--Records of water levels prior to October 1980 are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--January 1975 to October 1983 (daily), November 1983 to September 1995 (monthly), December 2001 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.10 ft NGVD, Nov. 9, 1992; lowest daily maximum water level, 8.58 ft NGVD, May 27, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	20.21	17.20	17.07	15.04	14.96	10.48	13.91	21.88	24.44	25.34
10	---	---	19.28	17.04	17.16	16.15	14.42	10.48	15.04	22.62	24.61	25.45
15	---	---	18.74	17.74	17.74	16.63	10.52	9.97	17.02	23.13	24.70	25.56
20	---	---	18.52	18.75	16.82	16.11	12.55	11.00	18.48	23.52	24.99	25.65
25	---	---	18.34	18.63	17.37	14.94	12.06	12.64	19.83	23.85	25.10	25.68
EOM	---	---	17.40	18.13	16.09	14.94	11.74	12.44	20.95	24.30	25.18	25.60
MAX	---	---	20.74	18.95	17.85	16.72	15.30	12.64	20.95	24.30	25.20	25.69



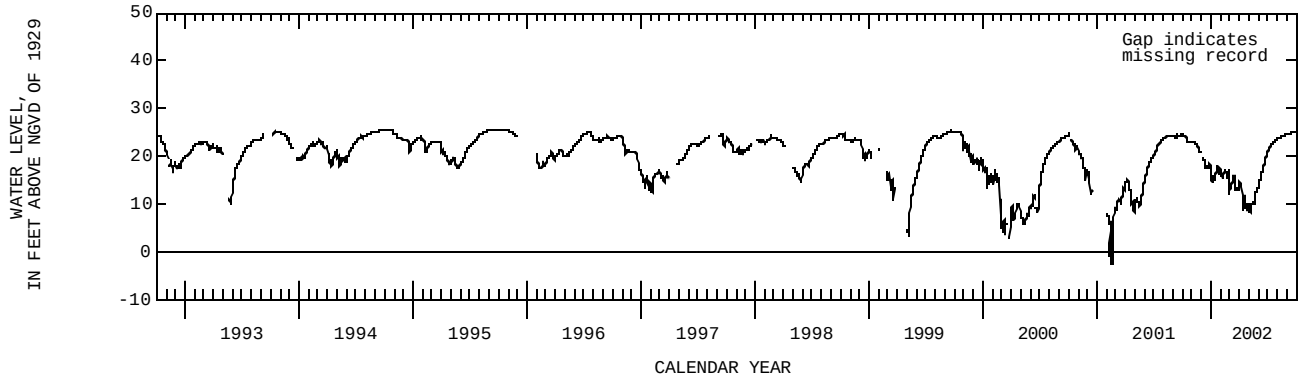
HENDRY COUNTY--Continued

WELL NUMBER.--263845081260702. Local Number HE 556.

LOCATION.--Lat 26°38'47", long 81°26'09", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Road 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.
INSTRUMENTATION.--Satellite 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 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.28	23.13	19.77	14.25	15.25	14.21	13.77	8.48	14.92	21.59	23.84	24.67
10	24.42	22.67	19.20	14.82	16.49	15.24	11.61	9.99	15.92	22.29	24.06	24.82
15	23.63	22.20	17.55	16.48	16.62	15.64	10.01	10.09	17.42	22.65	24.13	25.00
20	22.79	21.96	17.76	17.74	15.06	14.02	10.67	11.73	18.50	23.00	24.37	25.04
25	22.97	21.06	18.22	16.84	16.97	13.44	9.14	12.59	19.80	23.29	24.46	25.15
EOM	23.02	---	14.99	15.53	11.76	14.33	9.55	13.34	20.83	23.71	24.53	25.00
MAX	24.62	---	---	17.93	17.03	15.83	14.51	13.34	20.83	23.71	24.57	25.15



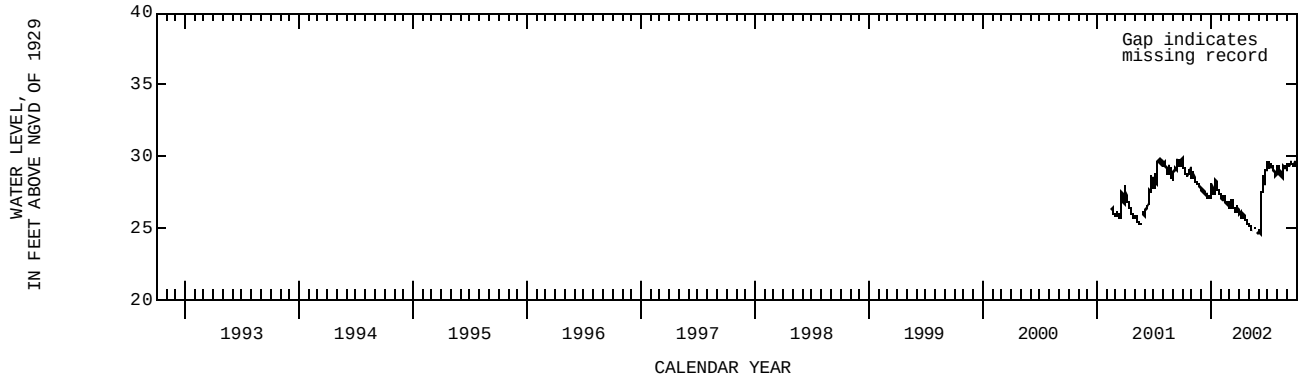
HENDRY COUNTY--Continued

WELL NUMBER.--263845081260703. Local Number HE 851. USGS Observation Well near Sears, FL.

LOCATION.--Lat 26°38'45", long 81°26'07", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, southeast corner of intersection of State Road 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 10 ft. (Corrected).
INSTRUMENTATION.--Satellite data collection platform with pressure transducer.
DATUM.--Land-surface datum is 29.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 30.33 ft above National Geodetic Vertical datum of 1929 and measuring point was considered to be 1.93 ft above land-surface datum. See REMARKS.
REMARKS.--In the 2002 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. Records of water levels prior to October 1979 are available in files of the U.S. Geological Survey. See DATUM.
PERIOD OF RECORD.--October 1977 to September 1995 (monthly), February 2001 to current year.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.20	28.95	27.52	27.64	26.98	26.38	26.07	25.13	24.70	29.25	28.76	29.40
10	28.87	28.31	27.47	27.39	27.21	26.77	25.72	24.95	26.51	29.46	28.92	29.16
15	28.60	28.17	27.28	28.38	26.90	26.37	25.95	---	28.17	29.16	28.70	29.51
20	28.69	28.03	27.14	27.71	26.65	26.13	25.62	24.96	27.98	29.02	29.31	29.30
25	29.18	27.88	27.16	27.49	26.61	26.35	25.40	---	29.12	28.59	28.99	29.49
EOM	28.56	27.64	27.96	27.17	26.48	26.08	25.28	24.76	29.54	29.25	29.13	29.28
MAX	29.52	28.95	27.96	28.38	27.23	26.99	26.10	---	29.54	29.57	29.39	29.56



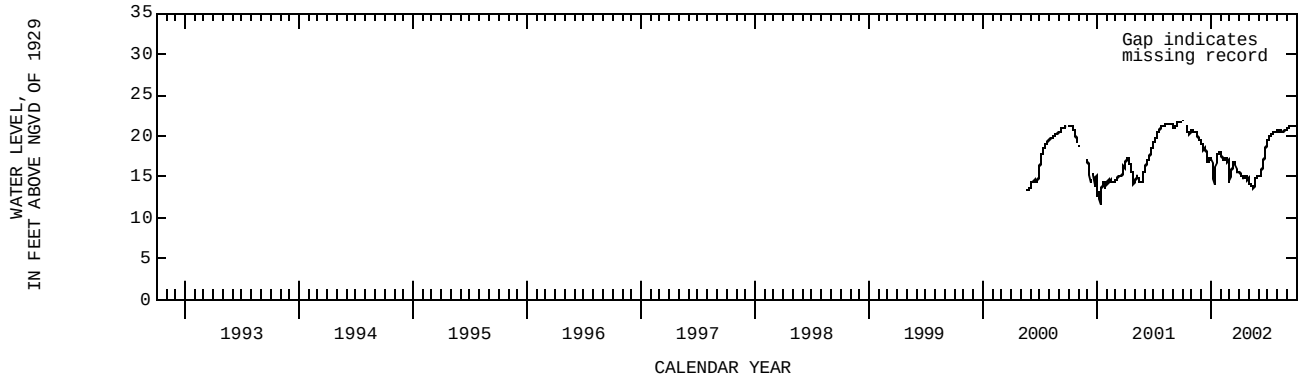
HENDRY COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ 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 State Road 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 with pressure transducer.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	20.59	18.68	15.51	17.43	15.36	15.33	14.05	15.10	19.82	20.71	21.05
10	---	20.40	18.43	13.86	17.06	16.30	15.08	13.96	15.57	20.11	20.58	21.27
15	20.90	20.30	18.09	16.11	17.20	16.87	14.82	13.85	16.55	20.24	20.54	21.31
20	20.35	19.85	17.22	17.45	17.07	16.59	15.03	14.25	17.66	20.40	20.56	21.18
25	20.43	19.50	17.31	17.93	17.07	15.43	14.97	14.93	18.57	20.47	20.65	21.18
EOM	20.71	19.02	16.84	17.75	14.11	15.63	14.70	15.02	19.32	20.63	20.78	21.22
MAX	---	20.64	18.97	18.05	17.66	16.89	15.62	15.15	19.32	20.63	20.78	21.33



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Lee County

VOLUME 2B: SOUTH FLORIDA

Key to site location on figure # 17

Lee County

Index Number	Site Number	Well Name	Page Number	Index Number	Site Number	Well Name	Page Number
1	263532081592201	L 581	354	61	263242081572101	L 2244	332
2	262710082005301	L 585	311	62	263718081485003	L 2292	360
3	262538082045701	L 588	296	63	262552081485702	L 2295	298
4	264101081443001	L 652	375	64	262552081485703	L 2308	299
5	264153082022301	L 721	378	65	263344081361704	L 2311	349
6	263850081365401	L 727	366	66	262703081340203	L 2313	307
7	263712081461201	L 728	357	67	263004082111701	L 2315	320
8	263335081394301	L 729	345	68	264608081454103	L 2328	394
9	263138081545801	L 730	329	69	264517081513201	L 2341	388
10	262703081340201	L 731	305	70	263526082010201	L 2434	353
11	262839081503100	L 735	317	71	263307081555901	L 2435	340
12	262022081464201	L 738	282	72	262622082074401	L 2524	300
13	262657081443501	L 739	303	73	263117082051001	L 2525	326
14	263323081522401	L 742	341	74	264517082022102	L 2526	390
15	263834082005301	L 781	365	75	263955082083101	L 2527	370
16	264517082022101	L 1059	389	76	263907081592701	L 2528	367
17	264241081582401	L 1110	379	77	262944081560801	L 2529	319
18	264147081562701	L 1111	377	78	264308081405402	L 2530	380
19	264120082022101	L 1113	376	79	264427081362601	L 2531	386
20	263327081512001	L 1121	342	80	263955082083103	L 2549	372
21	263532081592202	L 1136	355	81	262711081413701	L 2550	312
22	263950081355402	L 1137	369	82	263813081552801	L 2640	363
23	262703081340202	L 1138	306	83	263257081585701	L 2642	339
24	262549082035301	L 1403	297	84	263253082014201	L 2643	338
25	263630081375301	L 1418	356	85	263440082022001	L 2644	351
26	263233081550301	L 1598	331	86	263743082041201	L 2645	361
27	263329081394302	L 1625	344	87	264537081552202	L 2646	391
28	262435081535101	L 1634	292	88	264002082012801	L 2700	373
29	262435081535001	L 1635	291	89	263819081585801	L 2701	364
30	262042081455001	L 1691	283	90	263955082083102	L 2820	371
31	262706081435401	L 1853	308	91	263117082051002	L 2821	327
32	263344081361701	L 1963	346	92	263440082022002	L 3207	352
33	263344081361702	L 1964	347	93	264053081572501	L 4820	374
34	263353081335801	L 1965	350	94	263115081483501	L 5641	324
35	263807081430301	L 1968	362	95	263249081474401	L 5648	333
36	263718081485001	L 1973	358	96	262934081495801	L 5649	318
37	263718081485002	L 1974	359	97	262514081393402	L 5664	295
38	264359081424701	L 1975	384	98	262513081432601	L 5667	293
39	264359081424702	L 1976	385	99	262513081472001	L 5669R	294
40	264320081365701	L 1977	381	100	262331082383201	L 5672	288
41	263041081433101	L 1983	321	101	262331082383202	L 5673	289
42	262713081414701	L 1985	314	102	264433081360601	L 5708	387
43	263251081452801	L 1993	335	103	263249081474402	L 5720	334
44	263251081452802	L 1994	336	104	262102081464401	L 5722	284
45	263251081452803	L 1995	337	105	262102081464402	L 5723	285
46	263041081433102	L 1998	322	106	261946081490302	L 5725	279
47	263041081433103	L 1999	323	107	261859081481901	L 5726	276
48	263344081361703	L 2186	348	108	262351081485401	L 5730	290
49	263950081355401	L 2187	368	109	262755082090902	L 5734	315
50	262659081382501	L 2192	304	110	262706082080201	L 5735	309
51	262713081414401	L 2193	313	111	262706082080202	L 5737	310
52	261957081432201	L 2194	280	112	261900081454601	L 5744	277
53	261957081432202	L 2195	281	113	261900081454602	L 5745	278
54	264329081340401	L 2200	382	114	262258081471801	L 5746	286
55	264329081340402	L 2202	383	115	262258081471802	L 5747	287
56	263329081394301	L 2204	343	116	263138082112801	L 5766	330
57	262831081575901	L 2212	316	117	263115081483502	L 5801	325
58	263127081351602	L 2215	328	118	262630081484802	L 5808	302
59	264608081454101	L 2216	392	119	262630081484801	L 5844	301
60	264608081454102	L 2217	393				

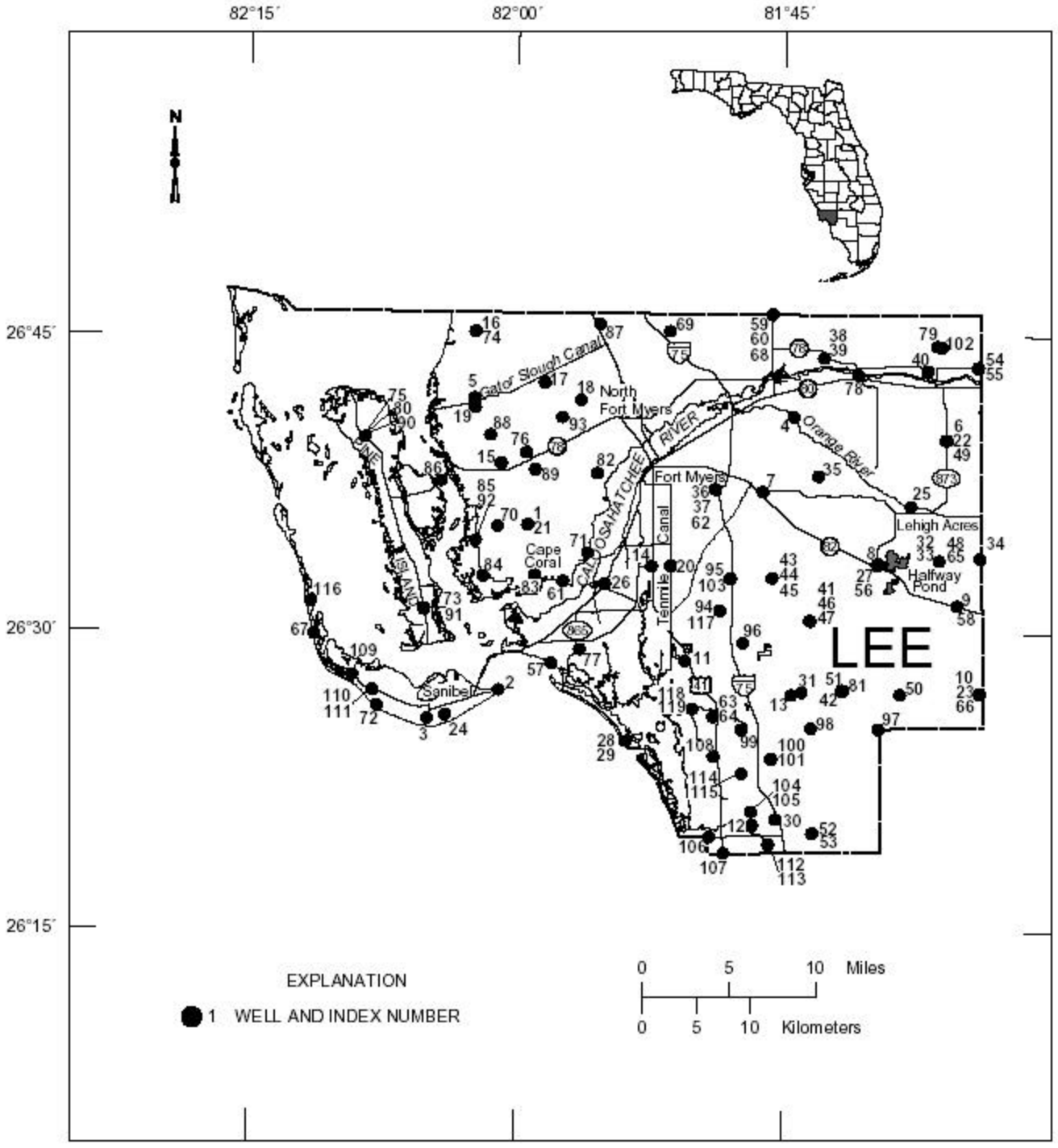


Figure 17: Location of wells in Lee County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

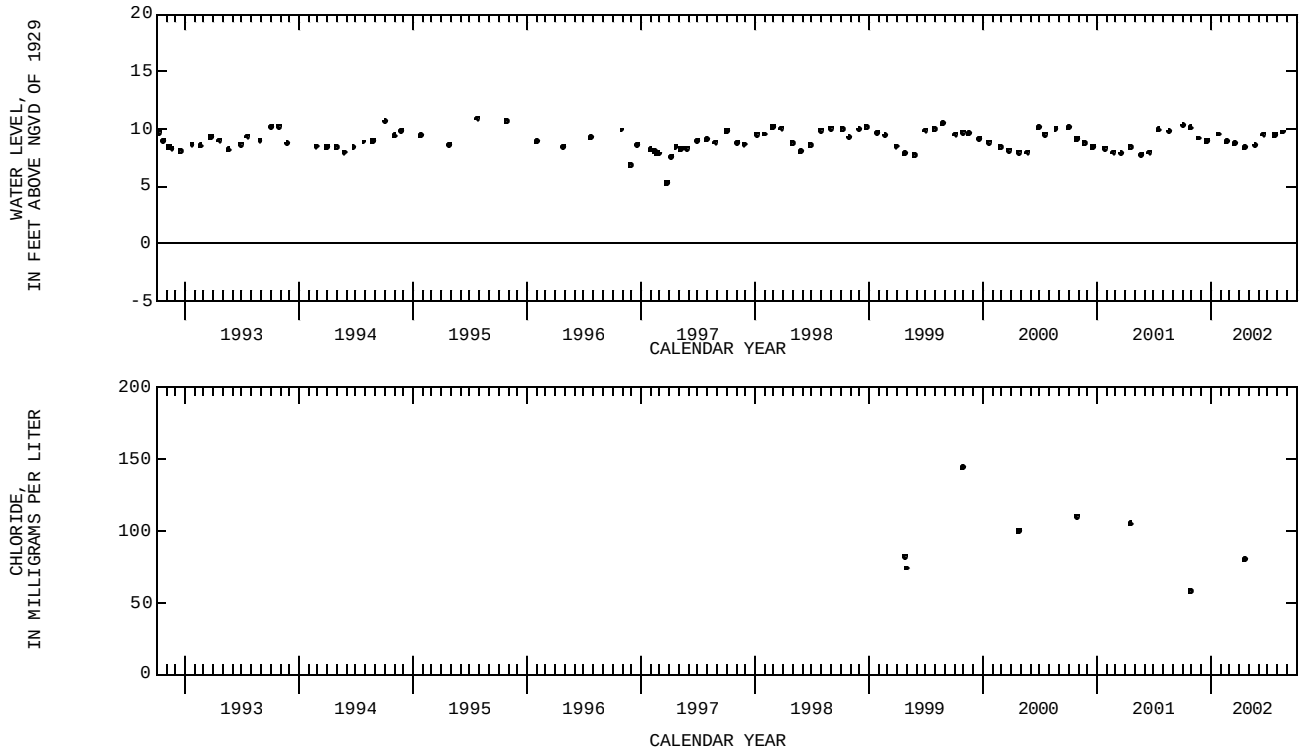
LEE COUNTY

WELL NUMBER.--261859081481901. Local Number L 5726.

LOCATION.--Lat 26°18'59", long 81°47'29", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.4, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft north of Lee/Collier County Line on east side of U.S. Highway 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. 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. 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, 10.93 ft NGVD, July 26, 1995; lowest, 4.32 ft NGVD, June 12, 1989.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1800	--	--	10.25
26...	1830	335	58.0	10.10
NOV				
20...	1512	--	--	9.19
DEC				
18...	1542	--	--	8.96
JAN				
23...	1548	--	--	9.54
FEB				
20...	1410	--	--	8.88
MAR				
19...	1441	--	--	8.69
APR				
19...	1645	689	80.0	8.37
MAY				
23...	1507	--	--	8.54
JUN				
18...	1432	--	--	9.50
JUL				
23...	1634	--	--	9.48
AUG				
19...	1531	--	--	9.72



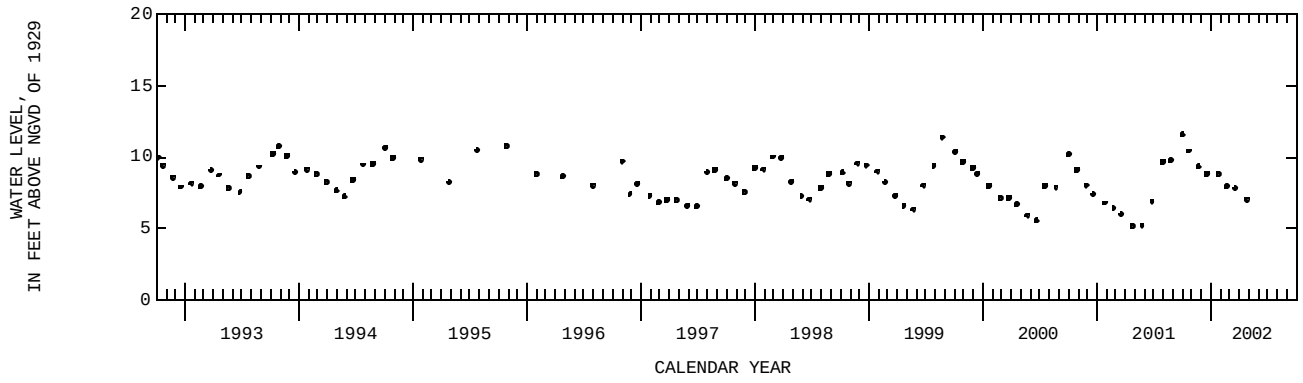
LEE COUNTY--Continued

WELL NUMBER.--261900081454601. Local Number L 5744.

LOCATION.--Lat 26°19'26", long 81°45'47", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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, screened 10 to 15 ft.
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.
REMARKS.--Well was destroyed in April 2002. A replacement well, L 5744R was drilled to the same depth at a nearby location in May of 2002.
PERIOD OF RECORD.--June 1987 to September 1994 (monthly), October 1994 to September 1996 (quarterly), October 1996 to April 2002. Discontinued.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.55 ft NGVD, Oct. 1, 2001; lowest, 5.19 ft NGVD, Apr. 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			FEB		
01...	1057	11.55	20...	1051	7.92
22...	0940	10.42	MAR		
NOV			20...	0903	7.81
20...	0920	9.34	APR		
DEC			25...	1406	7.06
17...	1303	8.81			
JAN					
23...	1410	8.84			



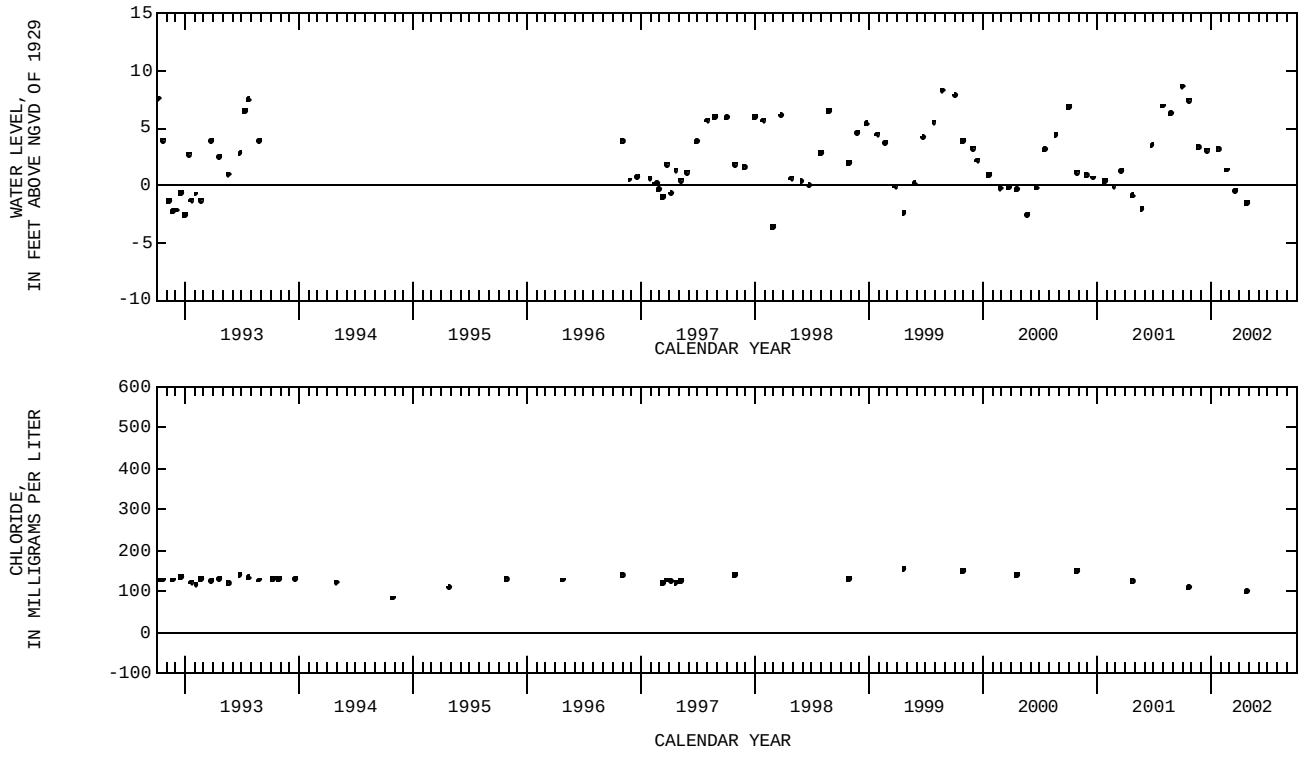
LEE COUNTY--Continued

WELL NUMBER.--261900081454602. Local Number L 5745.

LOCATION.--Lat 26°19'26", long 81°45'47", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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. Well was destroyed in April of 2002. A replacement well, L 5745R was drilled to the same depth at a nearby location in May of 2002.
PERIOD OF RECORD.--January 1987 to December 1990 (monthly), January 1991 to September 1996 (daily), October 1996 to April 2002. Discontinued.
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
01...	1056	--	--	8.66
22...	0942	1080	110	7.40
NOV				
20...	0922	--	--	3.38
DEC				
17...	1305	--	--	3.05
JAN				
23...	1412	--	--	3.17
FEB				
20...	1048	--	--	1.34
MAR				
20...	0906	--	--	-.48
APR				
25...	1407	1050	100	-1.52



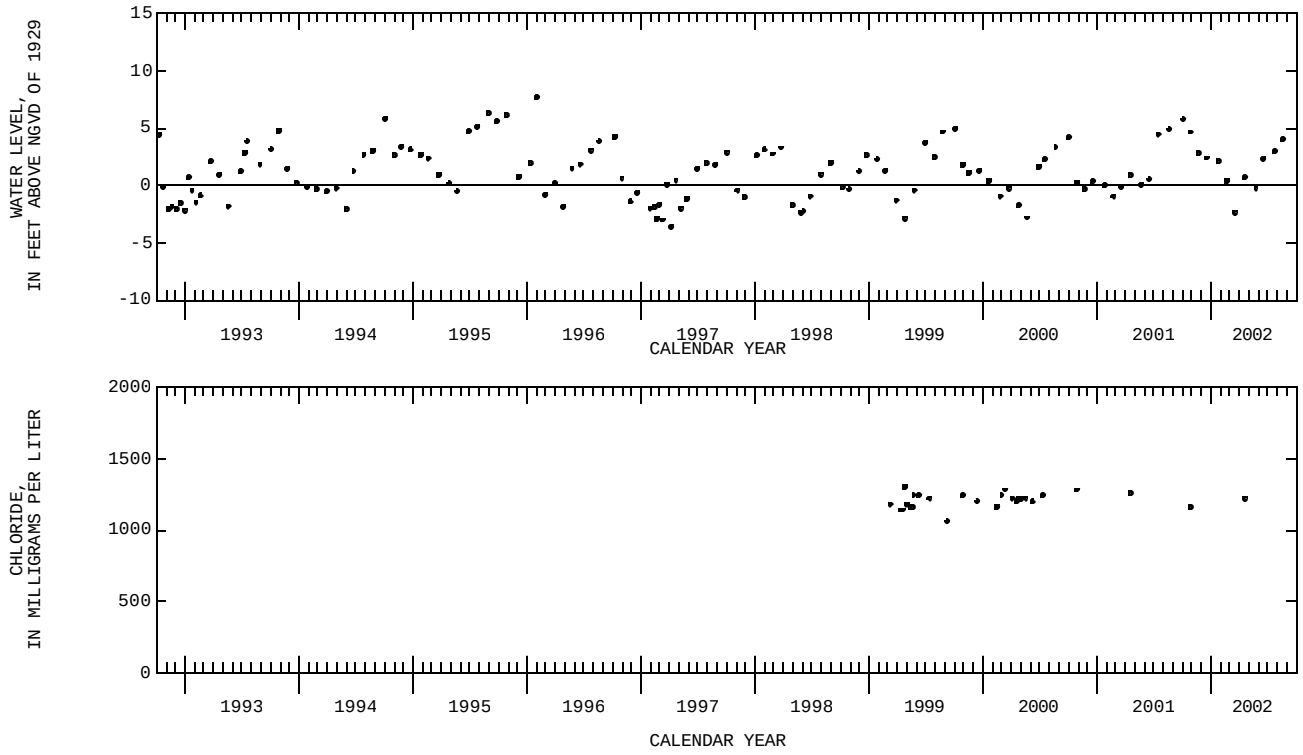
LEE COUNTY--Continued

WELL NUMBER.--261946081490302. Local Number L 5725.

LOCATION.--Lat 26°19'48", long 81°49'06", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1840	--	--	5.72
26...	1855	4890	1160	4.66
NOV				
20...	1522	--	--	2.85
DEC				
18...	1551	--	--	2.39
JAN				
23...	1555	--	--	2.12
FEB				
20...	1419	--	--	.37
MAR				
19...	1451	--	--	-2.33
APR				
19...	1703	4920	1220	.70
MAY				
24...	0935	--	--	-.25
JUN				
18...	1444	--	--	2.32
JUL				
23...	1641	--	--	2.96
AUG				
19...	1554	--	--	3.98



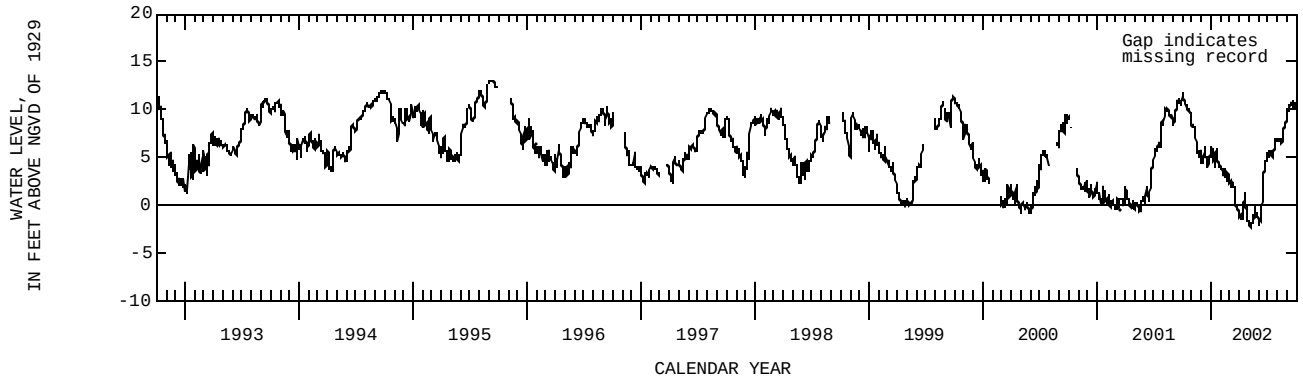
LEE COUNTY--Continued

WELL NUMBER.--261957081432201. Local Number L 2194.

LOCATION.--Lat 26°20'22", long 81°43'21", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 east of of U.S. Interstate 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.
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.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.10	8.29	4.17	5.39	3.27	1.69	-1.22	-2.19	-1.49	5.05	6.52	9.97
10	10.88	7.14	5.91	4.75	3.71	2.04	-1.47	-2.03	-0.71	5.57	6.84	10.11
15	9.92	6.35	5.11	5.49	2.84	1.86	0.18	-1.58	1.73	5.10	6.53	10.65
20	9.87	5.63	3.88	5.24	2.58	0.42	0.10	-0.49	3.54	5.63	7.45	10.07
25	9.49	4.99	4.73	3.80	2.99	-0.52	-0.68	-1.11	4.64	6.47	8.09	10.33
EOM	8.31	5.23	5.14	4.01	2.44	-1.10	-1.73	-1.58	5.20	6.95	9.35	10.37
MAX	11.73	8.29	6.03	6.07	3.91	2.57	1.20	-0.11	5.20	6.95	9.35	10.87



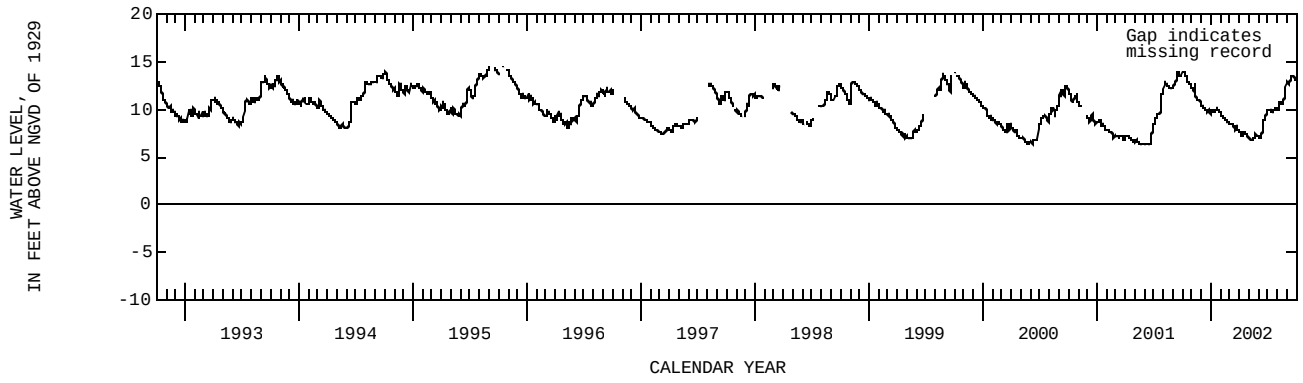
LEE COUNTY--Continued

WELL NUMBER.--261957081432202. Local Number L 2195.

LOCATION.--Lat 26°20'00", long 81°43'21", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Interstate 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.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.85	11.98	10.21	9.79	9.32	8.39	7.44	6.88	7.01	9.93	9.97	12.69
10	13.58	11.92	10.23	9.70	9.13	8.46	7.23	6.78	7.49	9.82	10.70	12.86
15	13.19	11.28	10.00	9.93	9.05	8.09	7.58	6.89	8.21	9.63	10.56	13.44
20	12.86	10.92	9.84	9.93	8.48	7.91	7.54	7.32	8.99	10.00	10.74	13.39
25	12.61	10.89	9.74	9.76	8.62	8.05	7.24	7.28	9.27	9.94	11.63	13.29
EOM	12.26	10.39	9.74	9.54	8.40	7.59	7.04	7.11	9.97	10.01	12.72	13.06
MAX	13.89	14.29	10.37	10.04	9.49	8.49	7.59	7.35	9.97	10.12	12.72	13.47



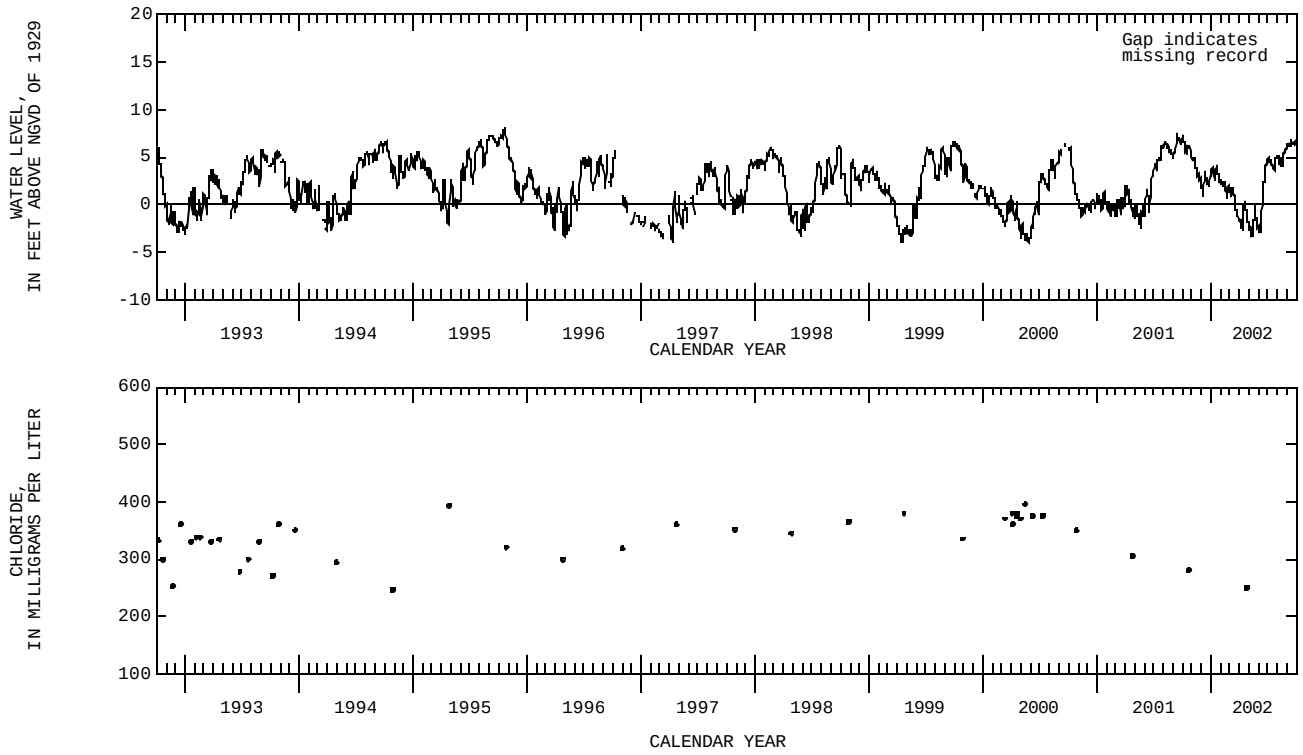
LEE COUNTY--Continued

WELL NUMBER.--262022081464201. Local Number L 738.

LOCATION.--Lat 26°20'23", long 81°46'40", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.58	4.97	1.54	3.76	2.15	1.24	-1.51	-2.47	-2.91	4.46	4.47	6.07
10	6.20	4.35	3.22	2.55	1.83	1.61	-2.46	-3.16	-1.08	4.78	4.94	6.07
15	5.89	3.42	2.83	3.70	1.54	1.03	-0.08	-1.78	1.54	4.02	4.12	6.71
20	5.91	3.30	2.02	3.42	0.94	-0.05	0.25	-0.33	2.80	3.96	5.00	6.44
25	5.58	2.55	2.13	2.83	2.03	-1.23	-1.68	-1.30	4.14	4.24	5.37	6.64
EOM	4.97	2.32	3.22	2.15	1.15	-1.70	-2.27	-2.12	4.60	5.04	6.30	6.50
MAX	7.06	4.97	3.40	3.97	2.52	1.74	0.37	-0.09	4.60	5.04	6.30	6.82



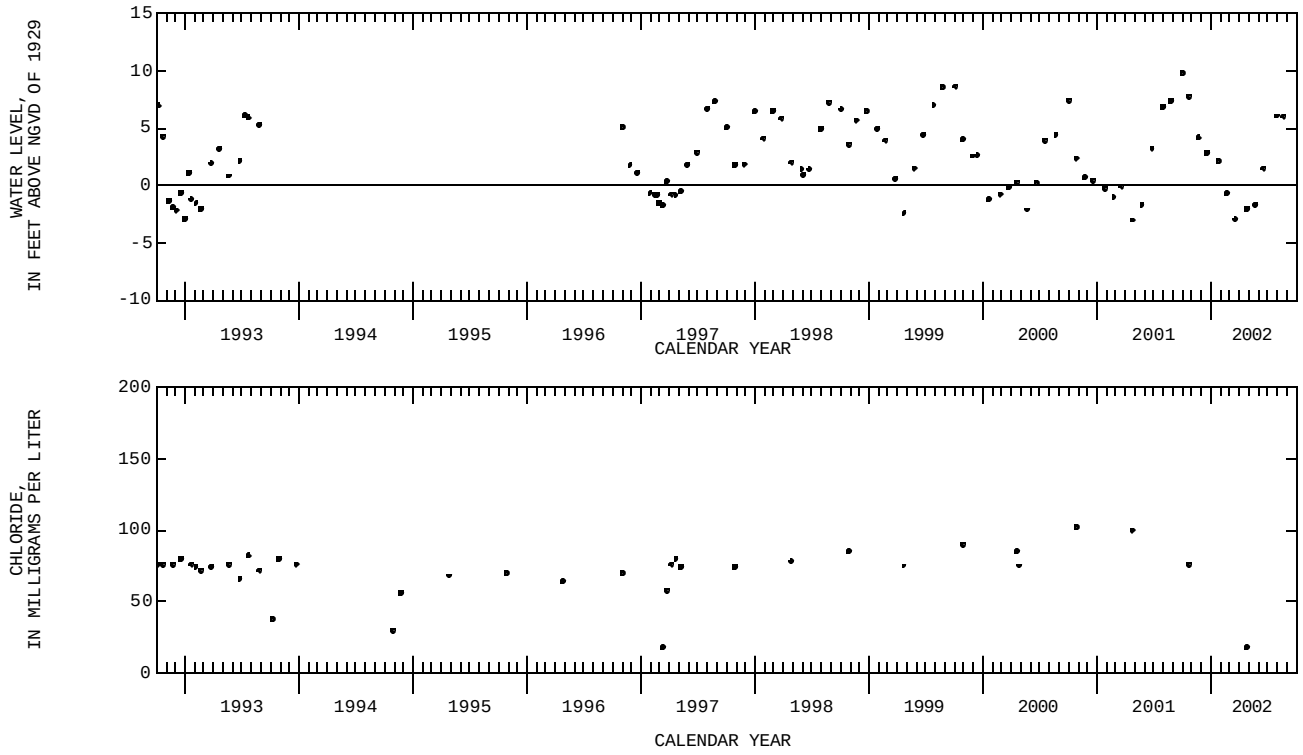
LEE COUNTY--Continued

WELL NUMBER.--262042081455001. Local Number L 1691.

LOCATION.--Lat 26°20'43", long 81°45'23", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.36, T.47 S., R.25 E., Hydrologic Unit 03090204, at East Terry Street, 1.5 mi east of Business U.S. Highway 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 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.--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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
01...	1135	--	--	9.78
22...	1217	429	76.0	7.76
NOV				
20...	0950	--	--	4.16
DEC				
17...	1324	--	--	2.82
JAN				
24...	0910	--	--	2.11
FEB				
20...	1125	--	--	-.70
MAR				
20...	0934	--	--	-2.96
APR				
25...	1300	400	18.0	-2.06
MAY				
23...	0940	--	--	-1.69
JUN				
18...	0931	--	--	1.50
JUL				
31...	0932	--	--	6.06
AUG				
20...	1336	--	--	6.04



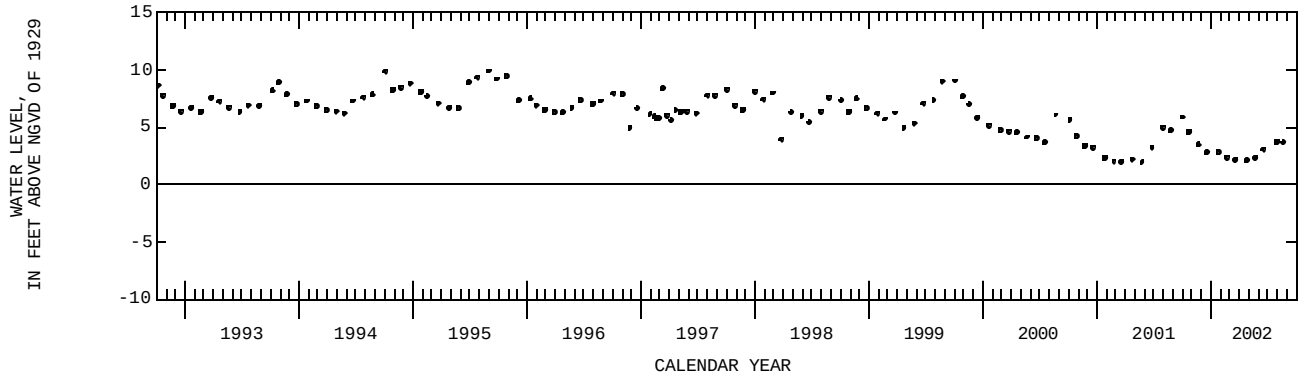
LEE COUNTY--Continued

WELL NUMBER.--262102081464401. Local Number L 5722.

LOCATION.--Lat 26°21'05", long 81°46'45", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.26, T.47 S., R.25 E., Hydrologic Unit 03090204, at the northeast corner of Rosemary Drive and Business U.S. Highway 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.
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 December 18, 2001, 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. The station was reconstructed and resurveyed December 18, 2001. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1143	5.88	25...	1234	2.05
22...	1104	4.56	MAY		
NOV			23...	0924	2.33
20...	1004	3.45	JUN		
DEC			18...	0917	3.04
17...	1330	2.79	JUL		
JAN			31...	0913	3.70
24...	0915	2.83	AUG		
FEB			20...	1318	3.65
20...	1111	2.37			
MAR					
20...	0946	2.14			



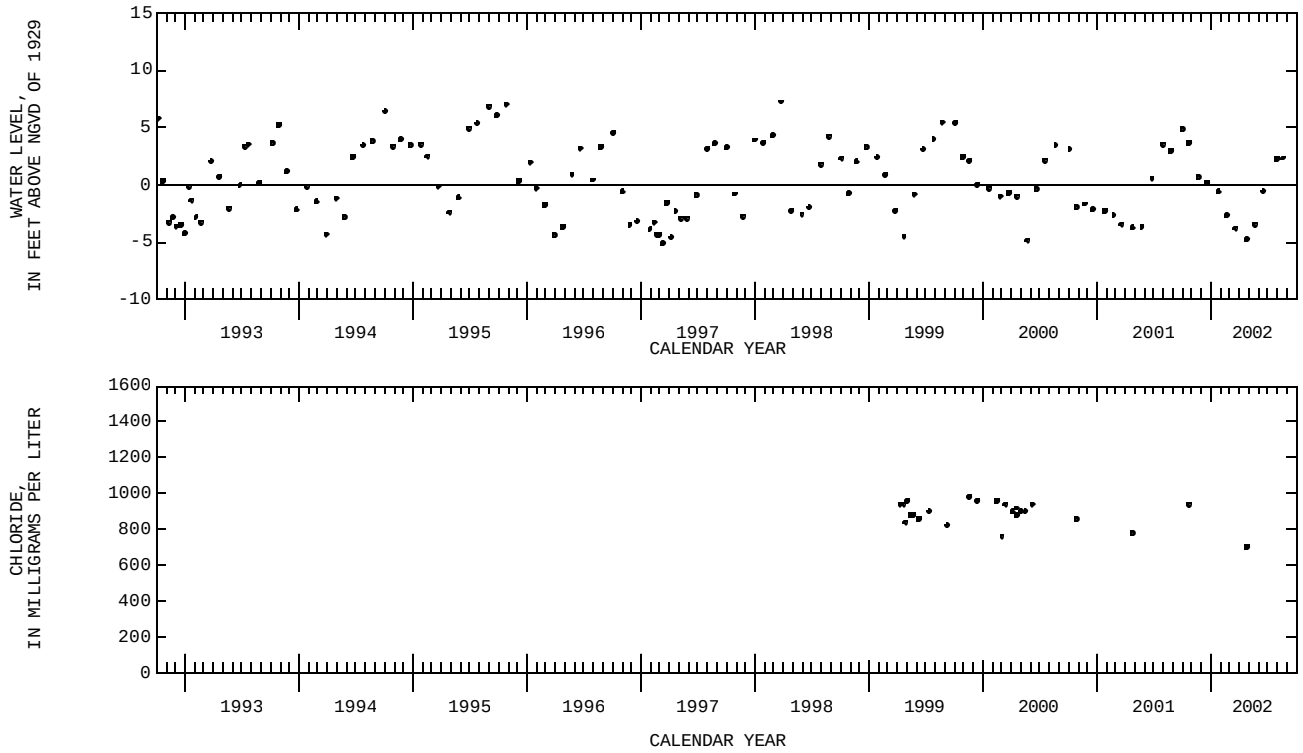
LEE COUNTY--Continued

WELL NUMBER.--262102081464402. Local Number L 5723.

LOCATION.--Lat 26°21'05", long 81°46'45", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.26, T.47 S., R.25 E., Hydrologic Unit 03090204, at northeast corner of Rosemary Drive and Business U.S. Highway 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 December 18, 2001, 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. The station was reconstructed and resurveyed December 18, 2001. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
01...	1144	--	--	4.86
22...	1105	3950	940	3.66
NOV				
20...	1000	--	--	.70
DEC				
17...	1332	--	--	.17
JAN				
24...	0917	--	--	-.61
FEB				
20...	1112	--	--	-2.68
MAR				
20...	0945	--	--	-3.81
APR				
25...	1236	3130	700	-4.77
MAY				
20...	1431	--	--	-3.43
JUN				
18...	0912	--	--	-.58
JUL				
31...	0911	--	--	2.24
AUG				
20...	1320	--	--	2.33



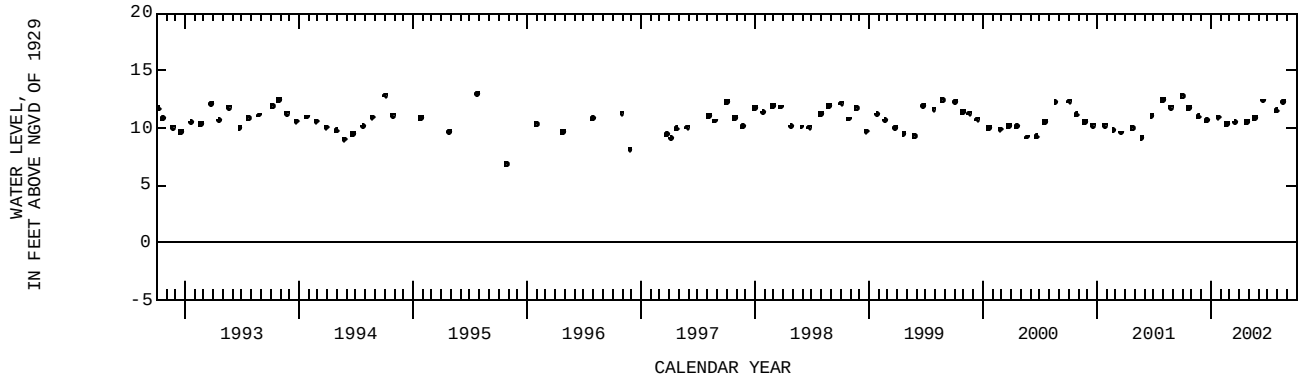
LEE COUNTY--Continued

WELL NUMBER.--262258081471801. Local Number L 5746.

LOCATION.--Lat 26°22'59", long 81°47'16", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Highway 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, screened 10 to 15 ft.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1230	12.76	25...	1222	10.49
22...	1151	11.70	MAY		
NOV			20...	1329	10.85
20...	1034	10.95	JUN		
DEC			17...	1421	12.34
17...	1345	10.64	JUL		
JAN			29...	1409	11.49
24...	0930	10.92	AUG		
FEB			20...	1256	12.24
20...	1142	10.33			
MAR					
20...	1006	10.45			



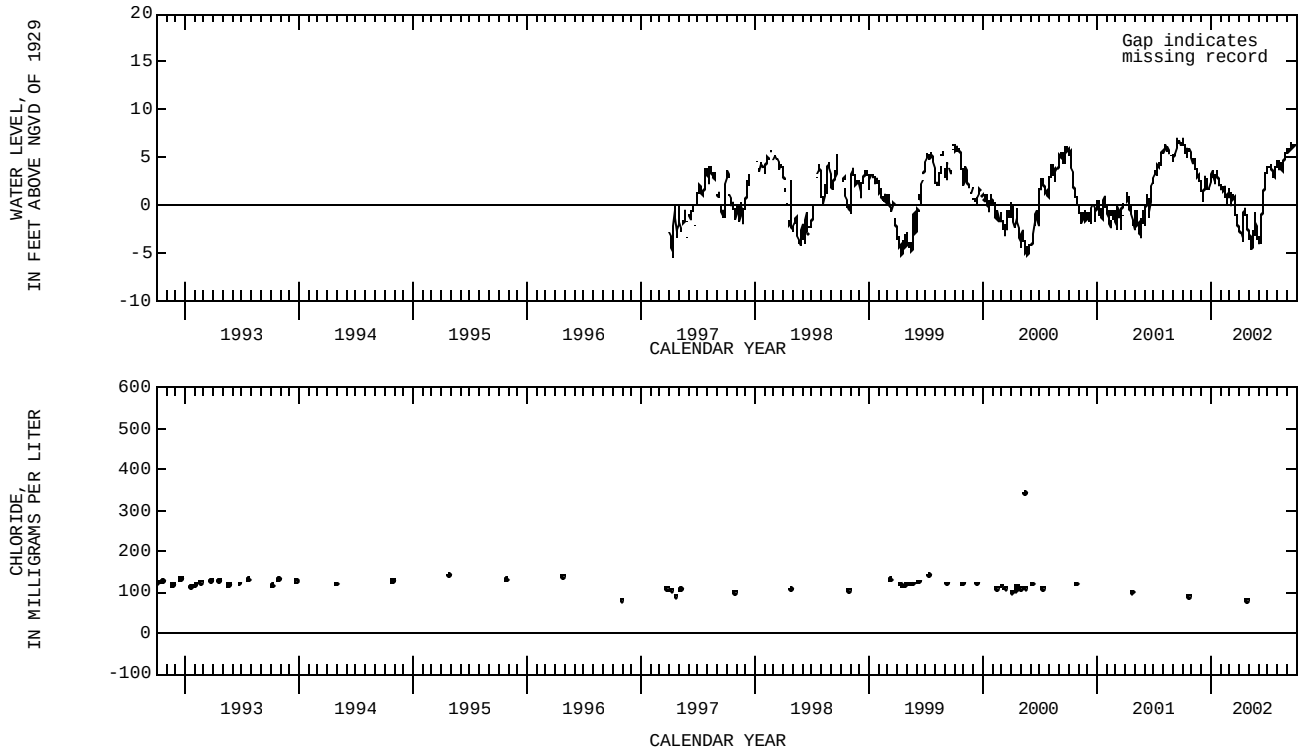
LEE COUNTY--Continued

WELL NUMBER.--262258081471802. Local Number L 5747.

LOCATION.--Lat 26°22'59", long 81°47'16", in NE $^1/_4$ NE $^1/_4$ SE $^1/_4$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.38	4.75	1.02	3.48	1.78	0.94	-2.83	-3.26	-4.03	3.86	3.97	5.69
10	6.01	4.17	2.62	2.38	1.41	1.04	-3.60	-4.63	-1.74	4.14	4.40	5.73
15	5.48	3.37	2.66	3.13	0.94	0.82	-0.81	-2.74	0.65	3.56	3.82	6.31
20	5.72	3.11	1.69	3.02	-0.04	-0.88	-0.30	-1.97	1.94	3.14	4.56	6.20
25	5.45	2.43	1.74	2.50	1.62	-2.12	-2.24	-2.31	3.36	3.39	4.89	6.38
EOM	4.82	2.18	2.75	1.80	0.65	-2.94	-3.31	-3.42	3.82	4.50	5.78	6.27
MAX	6.85	4.82	2.98	3.64	2.11	1.32	-0.30	-0.82	3.82	---	5.78	6.43



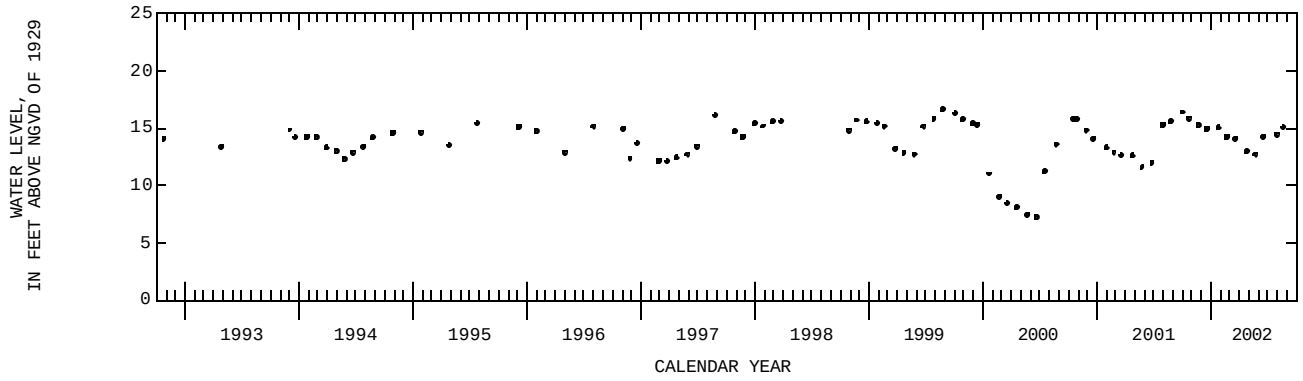
LEE COUNTY--Continued

WELL NUMBER.--262331082383201. Local Number L 5672.

LOCATION.--Lat 26°23'45", long 81°45'38", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.8, T.47 S., R.26 E., Hydrologic Unit 03090204, 4.85 mi north of Bonita Beach Road, 0.75 mi east of U.S. Interstate 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1032	16.40	25...	1526	12.97
22...	0900	15.84	MAY		
NOV			23...	1141	12.71
20...	0900	15.28	JUN		
DEC			18...	1135	14.20
17...	1116	14.91	JUL		
JAN			31...	1111	14.45
23...	1345	15.02	AUG		
FEB			20...	1537	15.02
20...	0950	14.23			
MAR					
20...	0833	14.06			



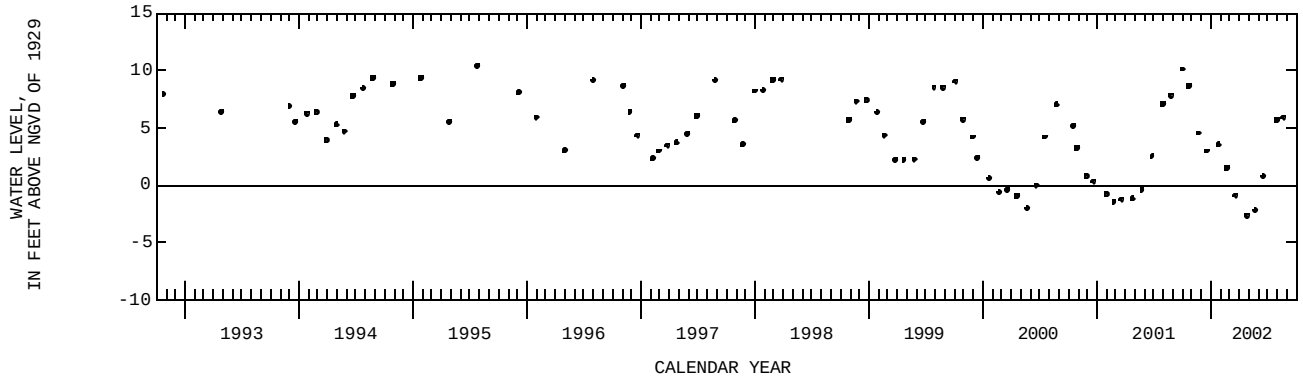
LEE COUNTY--Continued

WELL NUMBER.--262331082383202. Local Number L 5673.

LOCATION.--Lat 26°23'45", long 81°45'38", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.8, T.47 S., R.26 E., Hydrologic Unit 03090204, 4.85 mi north of Bonita Beach Road, 0.75 mi east of U.S. Interstate 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, 2.62 ft below NGVD, Apr. 25, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1030	10.12	25...	1530	-2.62
22...	0858	8.65	MAY		
NOV			23...	1146	-2.25
20...	0838	4.55	JUN		
DEC			18...	1139	.75
17...	1119	2.97	JUL		
JAN			31...	1117	5.68
23...	1342	3.52	AUG		
FEB			20...	1540	5.91
20...	0949	1.52			
MAR					
20...	0831	-.91			



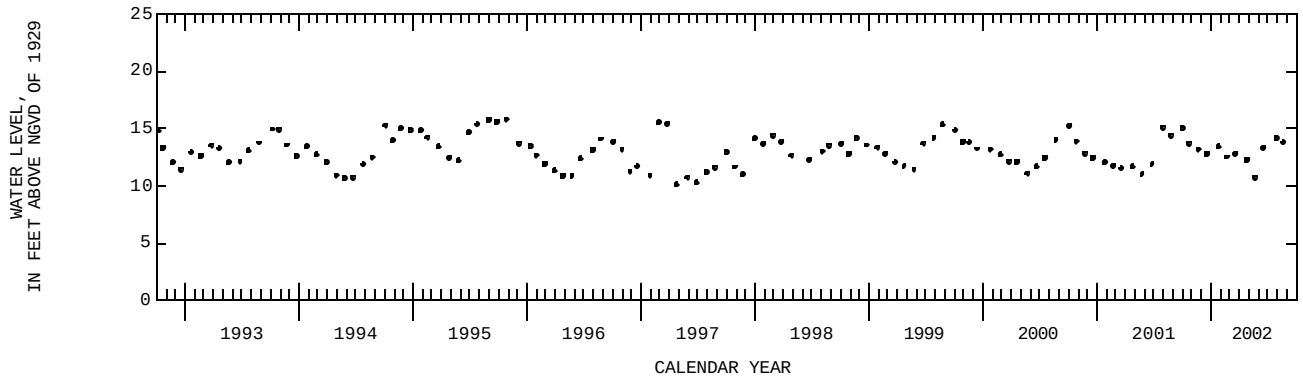
LEE COUNTY--Continued

WELL NUMBER.--262351081485401. Local Number L 5730.

LOCATION.--Lat 26°23'52", long 81°48'53", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.9, T.47 S., R.25 E., Hydrologic Unit 03090204, 100 ft south of Coconut Road, 0.15 mi west of U.S. Highway 41, 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 40 ft, cased to 27 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape.
DATUM.--Land-surface datum is 15.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.67 ft above land-surface datum.
PERIOD OF RECORD.--October 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.77 ft NGVD, Oct. 25, 1995; lowest, 9.64 ft NGVD, May 22, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1246	15.03	25...	1100	12.25
22...	1239	13.69	MAY		
NOV			20...	1301	10.74
20...	1048	13.19	JUN		
DEC			17...	1400	13.32
17...	1356	12.79	JUL		
JAN			29...	1337	14.14
24...	0950	13.41	AUG		
FEB			20...	1231	13.78
20...	1155	12.51			
MAR					
20...	1020	12.77			



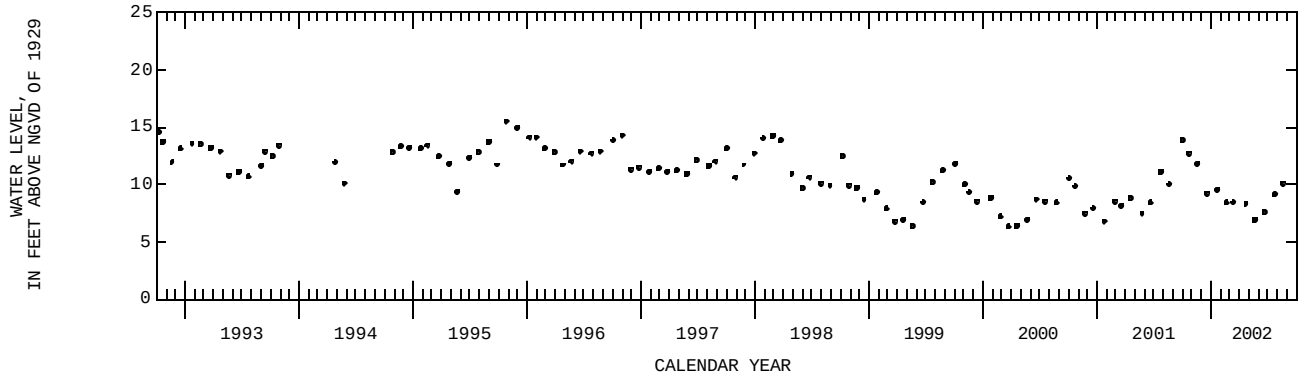
LEE COUNTY--Continued

WELL NUMBER.--262435081535001. Local Number L 1635.

LOCATION.--Lat 26°24'38", long 81°53'48", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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, 6.3 ft NGVD, Mar. 21, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1417	13.90	22...	1353	8.30
22...	1227	12.70	MAY		
NOV			20...	1401	6.90
19...	1220	11.80	JUN		
DEC			20...	1133	7.60
17...	1138	9.20	JUL		
JAN			24...	1323	9.10
22...	1354	9.50	AUG		
FEB			19...	1458	10.10
19...	1155	8.40			
MAR					
14...	1234	8.40			



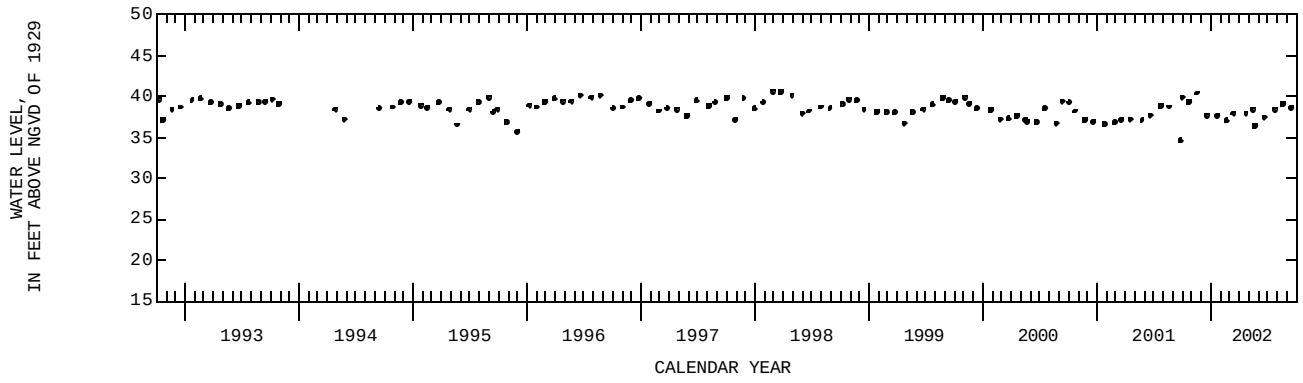
LEE COUNTY--Continued

WELL NUMBER.--262435081535101. Local Number L 1634.

LOCATION.--Lat 26°24'38", long 81°53'48", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1416	39.90	22...	1352	37.90
22...	1228	39.30	MAY		
NOV			14...	1210	38.40
19...	1222	40.40	20...	1403	36.40
DEC			JUN		
17...	1140	37.70	20...	1135	37.40
JAN			JUL		
22...	1357	37.60	24...	1320	38.40
FEB			AUG		
19...	1200	37.00	19...	1500	39.10
MAR			SEP		
14...	1237	37.90	16...	0816	38.60



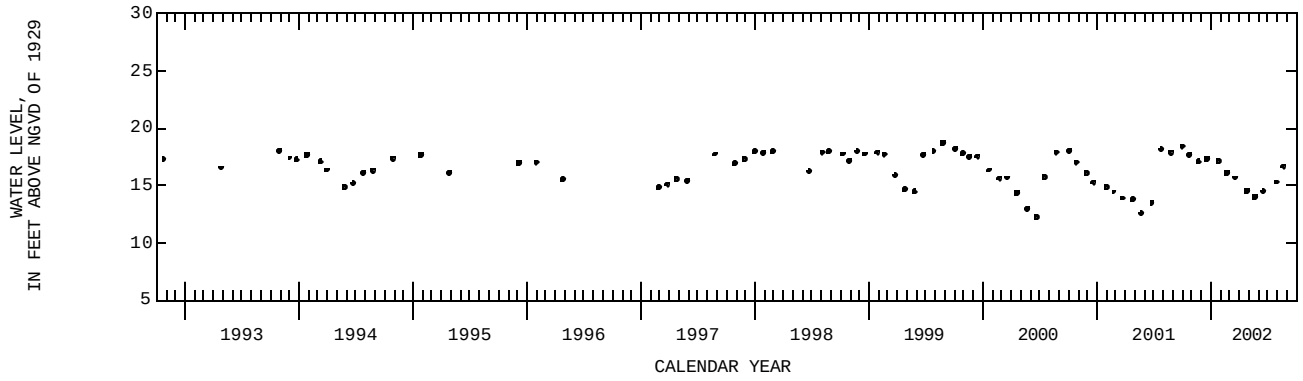
LEE COUNTY--Continued

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 U.S. Highway 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 18.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.90 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 17.00 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.09 ft above land-surface datum. Prior to October 1993, top of casing was considered 1.80 ft above land-surface datum.
REMARKS.--Well also used for salinity monitoring until April, 1993. The figures of water levels as elevation, in ft NGVD, prior to October 2001, are in error. For those records, a +1.01 ft correction has been applied. Corrected records are available in the files of the U.S. Geological Survey.
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, 18.67 ft (present datum) NGVD, Aug. 24, 1999; lowest, 12.25 ft (present datum) NGVD, June 19, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	0734	18.39	25...	1634	14.53
24...	0756	17.67	MAY		
NOV			20...	1134	14.00
20...	1432	17.09	JUN		
DEC			17...	1259	14.46
17...	0912	17.33	JUL		
JAN			29...	1028	15.30
23...	1205	17.14	AUG		
FEB			20...	0954	16.66
20...	0748	16.08			
MAR					
20...	1220	15.65			



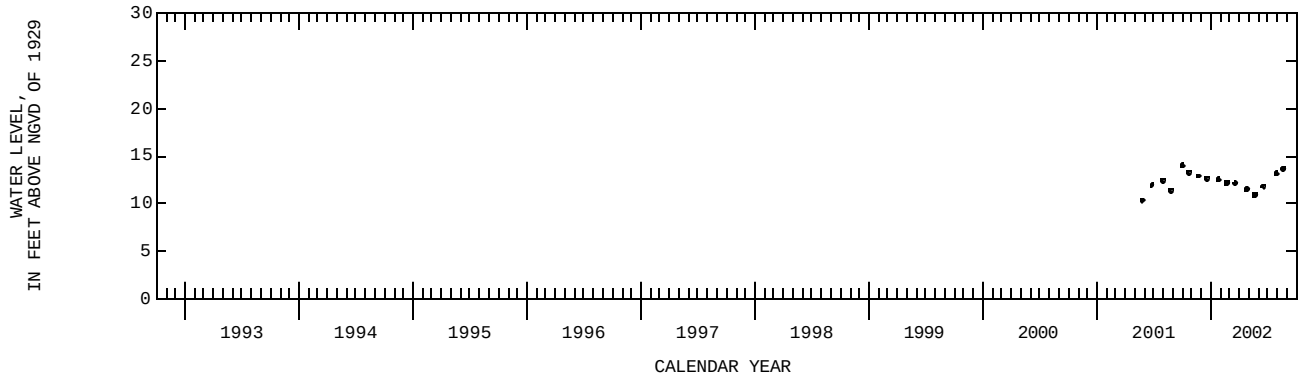
LEE COUNTY--Continued

WELL NUMBER.--262513081472001. Local Number L 5669R.

LOCATION.--Lat 26°25'13", long 81°47'20", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 U.S. Interstate 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 to 30 ft, open hole 30 to 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, 14.01 ft NGVD, Oct. 1, 2001; lowest, 10.34 ft NGVD, May 25, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1256	14.01	25...	1026	11.50
22...	1252	13.30	MAY		
NOV			20...	1210	10.95
20...	1055	12.92	JUN		
DEC			17...	1322	11.86
17...	1403	12.66	JUL		
JAN			29...	1323	13.14
24...	0958	12.56	AUG		
FEB			20...	1219	13.66
20...	1209	12.18			
MAR					
20...	1034	12.09			



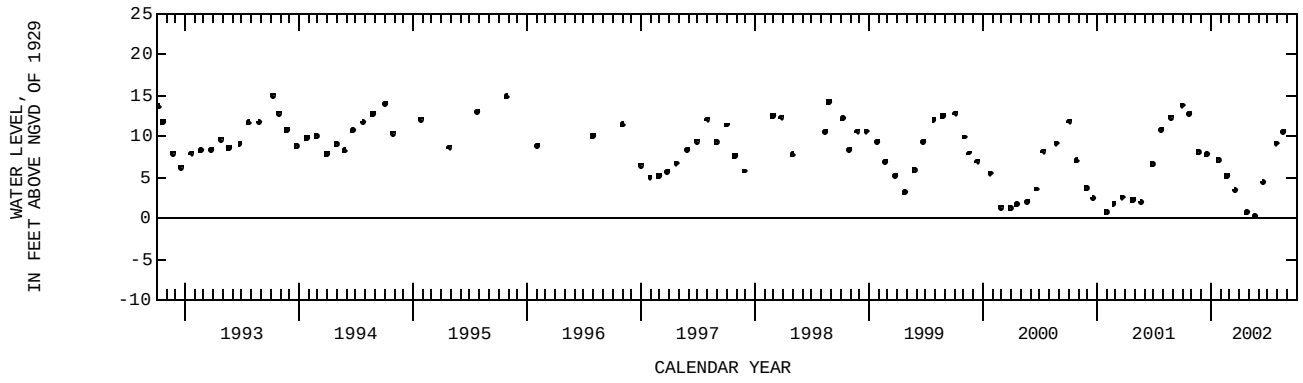
LEE COUNTY--Continued

WELL NUMBER.--262514081393402. Local Number L 5664.

LOCATION.--Lat 26°25'16", long 81°39'38", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.36, T.46 S., R.26 E., Hydrologic Unit 03090204, on 6-L Ranch Road, 6 mi east of U.S. Interstate 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. Prior to January 1998, measuring point was top of coupling, 2.92 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, are 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, 0.24 ft NGVD, May 20, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	0852	13.82	25...	1757	.70
24...	0915	12.73	MAY		
NOV			20...	1051	.24
20...	1320	8.08	JUN		
DEC			17...	1222	4.40
17...	0915	7.81	JUL		
JAN			29...	1220	9.20
23...	1135	7.16	AUG		
FEB			20...	1146	10.54
20...	0854	5.18			
MAR					
20...	1315	3.38			



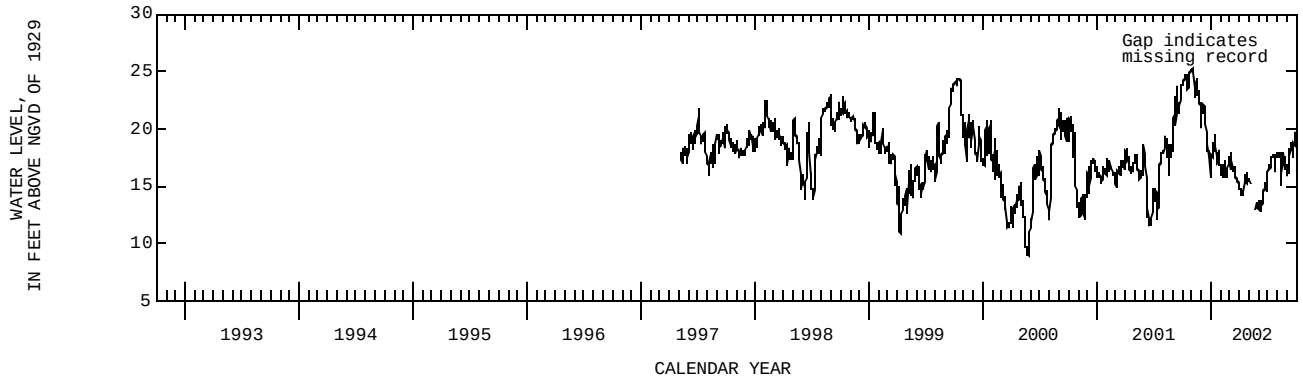
LEE COUNTY--Continued

WELL NUMBER.--262538082045701. Local Number L 588.

LOCATION.--Lat 26°25'43", long 82°04'55", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ 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: "x" on 10 in. steel casing, 1.45 ft above land-surface datum. Prior to May 2002, measuring points were top of faucet, 3.71 ft above land-surface datum and center of pressure transducer 3.46 ft above land-surface datum. Prior to January 6, 1999, measuring point was the top of 2 in. elbow, 1.90 ft above land-surface datum. See REMARKS.
REMARKS.--Water levels affected by nearby pumping. Records of water levels prior to October 1978 are available in the files of the U.S. Geological Survey. Measuring point was changed from top of faucet to "x" on 10 in. steel casing, 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.15	24.98	21.69	17.74	15.77	16.61	14.60	15.15	13.43	16.84	17.65	16.19
10	24.41	23.15	21.69	17.83	15.80	16.71	14.25	---	12.84	16.90	17.90	17.46
15	23.56	24.41	19.64	18.49	15.71	16.15	14.36	---	13.97	17.45	15.99	18.73
20	23.65	23.26	17.97	17.63	15.84	15.85	15.89	---	14.58	17.64	17.58	17.53
25	25.00	22.33	17.92	17.98	16.75	15.45	16.04	13.52	15.01	17.25	17.50	19.38
EOM	25.10	20.06	16.68	16.38	17.48	15.32	15.43	13.04	15.92	17.87	16.63	19.35
MAX	25.10	25.16	22.03	19.47	17.48	17.86	16.08	---	15.92	17.87	17.93	19.67



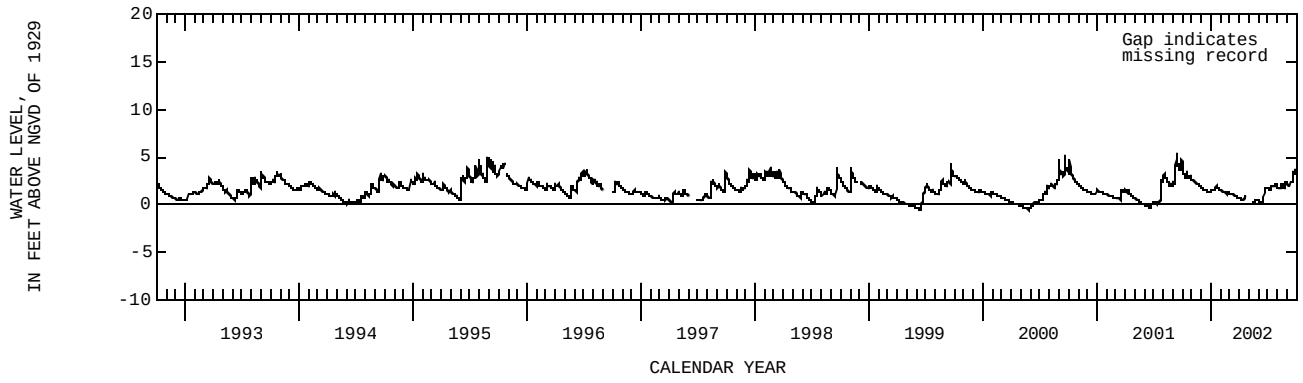
LEE COUNTY--Continued

WELL NUMBER.--262549082035301. Local Number L 1403.

LOCATION.--Lat 26°25'55", long 82°03'55", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.27	2.60	1.69	1.65	1.45	1.09	0.61	---	0.25	1.61	1.66	1.98
10	2.89	2.36	1.63	1.56	1.32	1.15	0.49	---	0.13	1.58	1.74	1.79
15	3.38	2.24	1.55	1.87	1.28	1.00	0.52	0.21	0.39	1.93	2.14	2.37
20	3.02	2.08	1.46	1.82	1.17	0.92	0.96	0.59	1.53	1.95	1.89	3.54
25	2.82	1.97	1.35	1.72	1.27	0.83	---	0.53	1.79	1.69	1.56	3.07
EOM	2.64	1.82	1.48	1.55	1.18	0.71	---	0.41	1.81	2.01	2.27	3.47
MAX	3.71	2.61	1.79	1.91	1.52	1.18	---	---	1.81	2.20	2.36	3.75



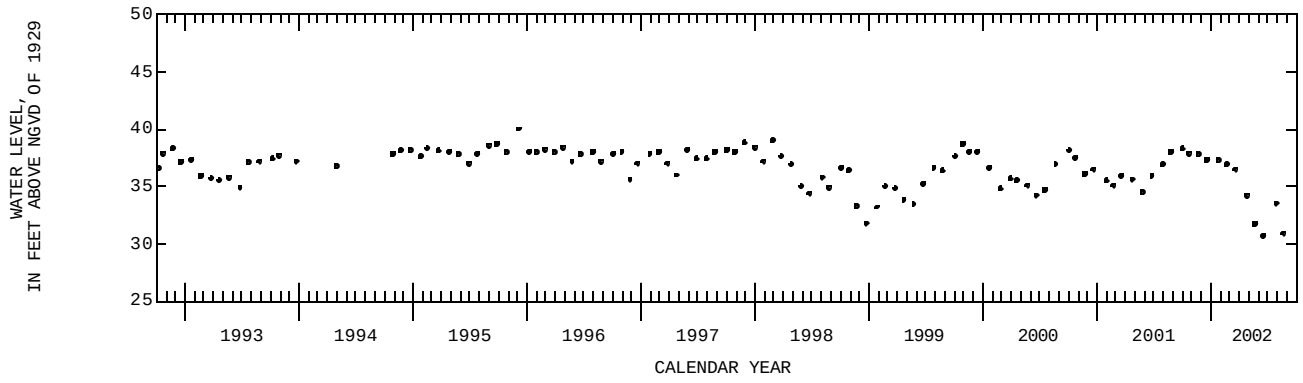
LEE COUNTY--Continued

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 U.S. Highway 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, 30.7 ft NGVD, June 17, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1311	38.30	25...	0953	34.20
22...	1323	37.90	MAY		
NOV			20...	1000	31.70
20...	1109	37.80	JUN		
DEC			17...	0948	30.70
17...	1421	37.30	JUL		
JAN			29...	0853	33.50
24...	1008	37.30	AUG		
FEB			20...	0855	30.90
20...	1300	36.90			
MAR					
20...	1047	36.50			



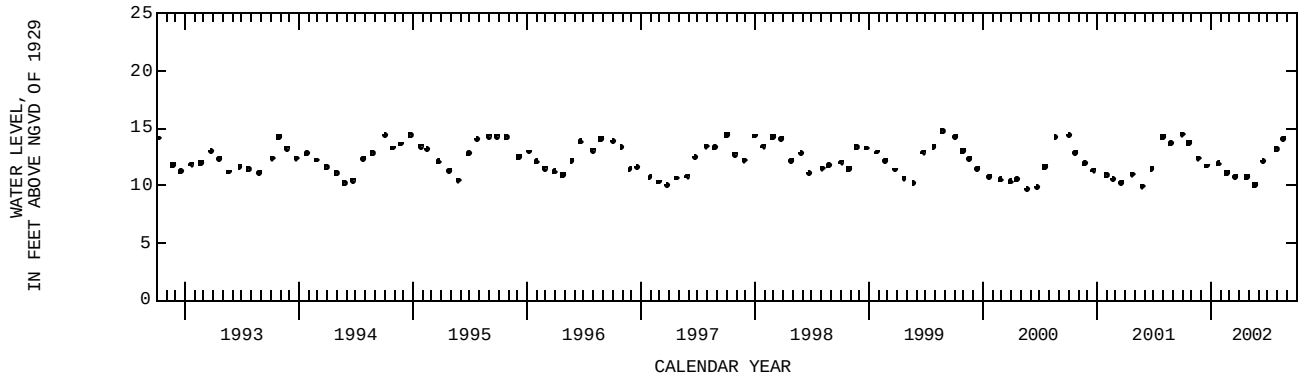
LEE COUNTY--Continued

WELL NUMBER.--262552081485703. Local Number L 2308.

LOCATION.--Lat 26°25'53", long 81°48'54", in 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 U.S. Highway 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1312	14.44	25...	0955	10.76
22...	1320	13.67	MAY		
NOV			20...	0952	10.01
20...	1111	12.35	JUN		
DEC			17...	0950	12.08
17...	1418	11.70	JUL		
JAN			29...	0902	13.17
24...	1009	11.90	AUG		
FEB			20...	0859	14.03
20...	1302	11.06			
MAR					
20...	1045	10.74			



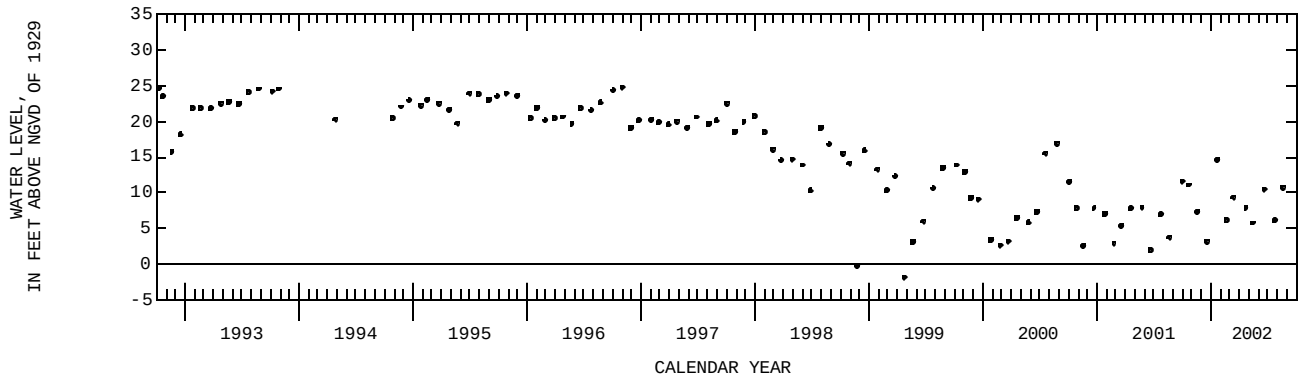
LEE COUNTY--Continued

WELL NUMBER.--262622082074401. Local Number L 2524.

LOCATION.--Lat 26°26'23", long 82°07'44", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ 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. See REMARKS.
REMARKS.--Records of water levels, prior to October 1983, are available in the files of the U.S. Geological Survey. There is uncertainty as to the measuring point used prior to 1999.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1034	11.60	22...	1111	7.86
22...	1000	11.10	MAY		
NOV			15...	0940	5.80
19...	1024	7.31	JUN		
DEC			20...	0948	10.50
17...	0935	3.22	JUL		
JAN			24...	1054	6.17
22...	1054	14.61	AUG		
FEB			19...	1223	10.80
19...	0937	6.18			
MAR					
14...	0950	9.40			



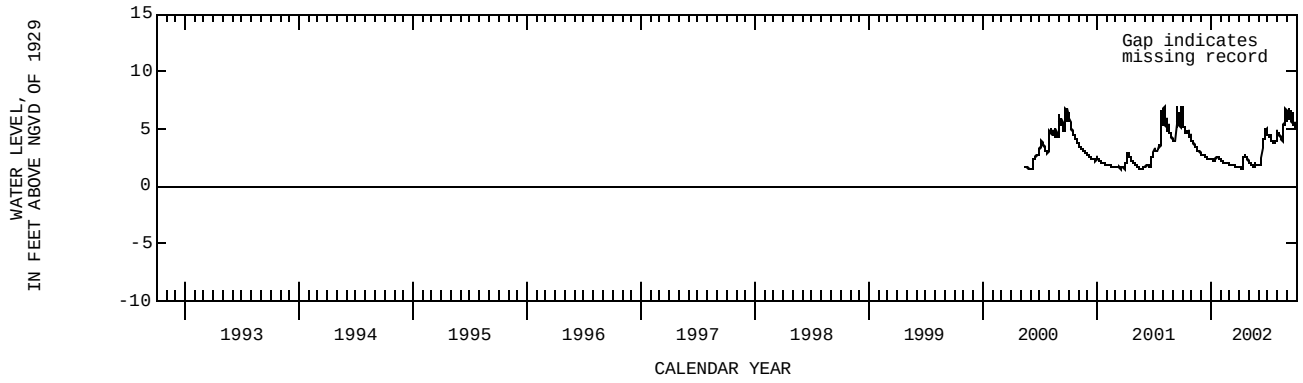
LEE COUNTY--Continued

WELL NUMBER.--262630081484801. Local Number L 5844.

LOCATION.--Lat 26°26'17", long 81°50'04", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 112NRSD.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.17	3.73	2.71	2.29	2.15	1.90	1.60	2.06	1.78	4.13	4.47	6.81
10	4.76	3.48	2.61	2.22	2.09	1.89	1.54	1.90	2.04	4.34	4.36	5.88
15	4.88	3.30	2.51	2.44	2.02	1.85	2.51	1.79	3.81	3.91	4.02	5.84
20	4.73	3.11	2.43	2.59	1.95	1.79	2.62	1.91	4.74	3.78	5.25	6.40
25	4.25	2.98	2.33	2.46	1.96	1.69	2.42	1.89	4.74	3.91	5.22	5.07
EOM	3.98	2.84	2.31	2.27	1.94	1.64	2.23	1.81	4.56	4.80	5.80	4.95
MAX	5.70	3.93	2.81	2.61	2.24	1.92	2.64	2.19	4.92	4.80	6.71	6.81



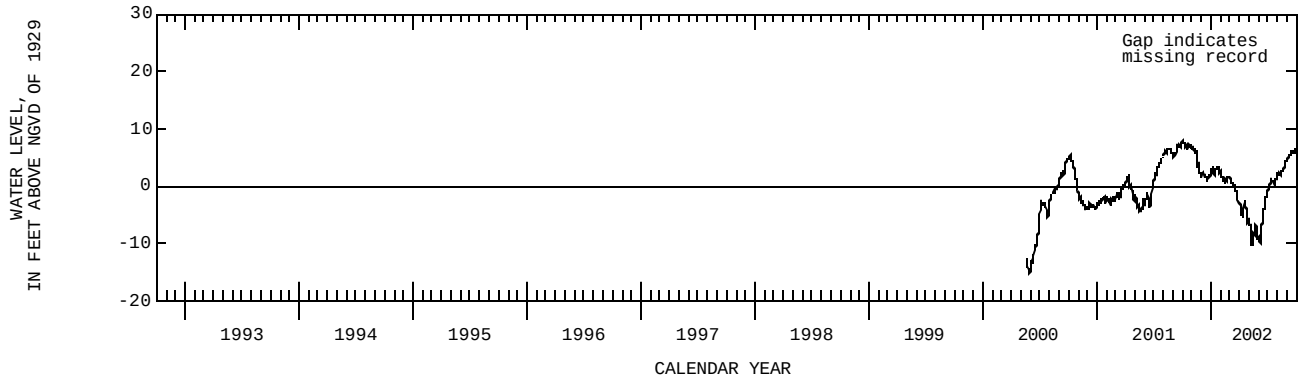
LEE COUNTY--Continued

WELL NUMBER.--262630081484802. Local Number L 5808.

LOCATION.--Lat 26°26'16", long 81°50'04", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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, Oct. 3, 2001; lowest, 15.04 ft below NGVD, May 29, 2000.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.69	6.73	2.41	3.27	1.68	0.75	-3.97	-6.91	-9.72	-0.16	2.01	5.09
10	7.25	5.46	1.95	1.78	0.52	-0.39	-4.99	-9.31	-8.29	0.60	2.08	5.25
15	6.59	4.27	1.61	3.02	1.03	0.03	-3.96	-9.55	-5.37	0.84	2.73	5.69
20	6.69	3.88	0.95	2.74	0.95	-0.65	-2.63	-8.22	-3.69	0.69	3.00	5.84
25	6.86	2.26	1.92	2.92	1.48	-1.85	-4.97	-7.05	-1.94	1.02	3.69	6.07
EOM	6.79	1.58	2.54	1.84	1.54	-3.34	-5.82	-8.92	-1.13	1.95	4.31	6.37
MAX	7.78	6.86	2.54	3.48	2.56	1.43	-2.63	-6.07	-1.13	2.02	4.55	6.37



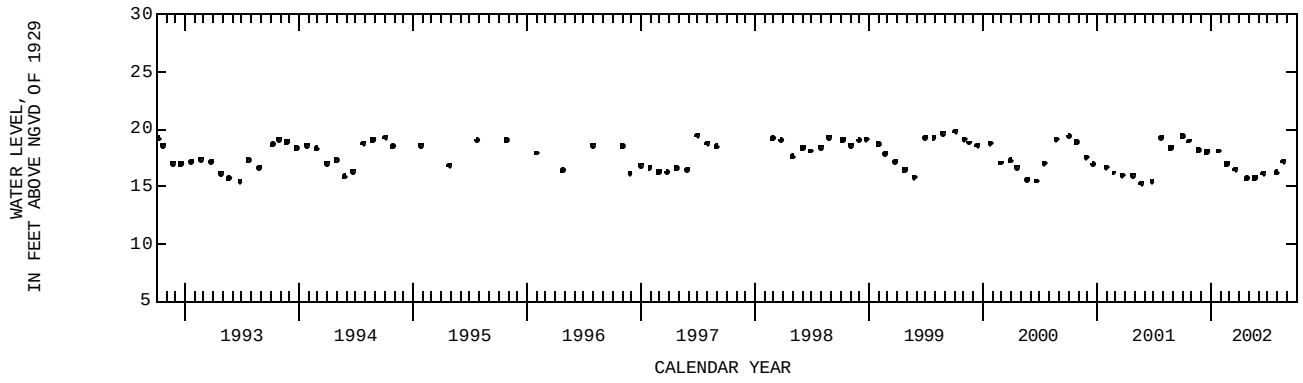
LEE COUNTY--Continued

WELL NUMBER.--262657081443501. Local Number L 739.

LOCATION.--Lat 26°26'58", long 81°44'33", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.30, T.46 S., R.26 E., Hydrologic Unit 03090204, 13 ft north of Corkscrew Road, 2.6 mi east of U.S. Interstate 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. Prior to October 2000 land-surface datum was considered to be 18.654 ft NGVD. Prior to August 1985, land-surface datum was 18.65 ft NGVD. Measuring point: Top of casing, 2.60 ft above land-surface datum. Prior to January 18, 2002, top of casing was 0.58 ft above land-surface datum. Prior to October 2000, top of casing was considered to be 2.53 ft above land-surface datum. From September 1985 to September 1 1998, various measuring point elevations were in use. Prior to August 1985, top of casing was 2.87 ft above land-surface datum. See REMARKS.
REMARKS.--Records of water levels prior to October 1974, are available in files of the U.S. 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. See DATUM.
PERIOD OF RECORD.--August 1968 to September 1974 (bimonthly), October 1974 to September 1977 (daily), October 1977 to September 1994 (monthly), October 1994 to October 1996 (quarterly), November 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	0705	19.41	26...	1300	15.69
24...	0729	18.96	MAY		
NOV			20...	1013	15.71
20...	1300	18.18	JUN		
DEC			17...	1006	16.14
17...	0851	18.01	JUL		
JAN			29...	1003	16.18
23...	0828	18.09	AUG		
FEB			20...	0926	17.21
20...	0725	16.97			
MAR					
20...	1159	16.47			



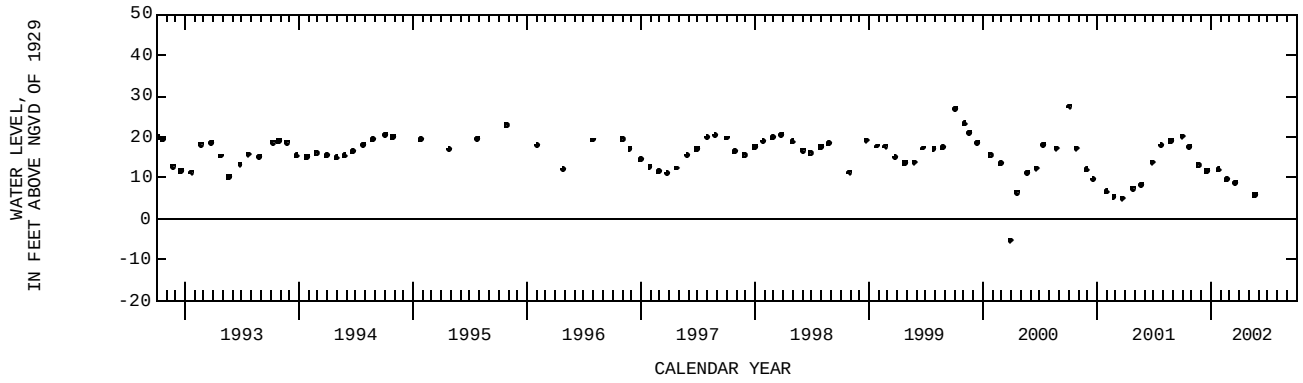
LEE COUNTY--Continued

WELL NUMBER.--262659081382501. Local Number L 2192.

LOCATION.--Lat 26°27'01", long 81°38'27", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.29, T.46 S., R.27 E., Hydrologic Unit 03090204, 10 ft south of Corkscrew Road, 8.45 mi east of U.S. Interstate 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.
REMARKS.--Well was damaged in June 2002 and repaired in December 2002.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			FEB		
01...	0903	20.09	20...	0905	9.54
24...	0937	17.62	MAR		
NOV			20...	1325	8.72
20...	1330	13.10	MAY		
DEC			20...	1103	5.91
17...	1024	11.72			
JAN					
23...	1145	12.05			



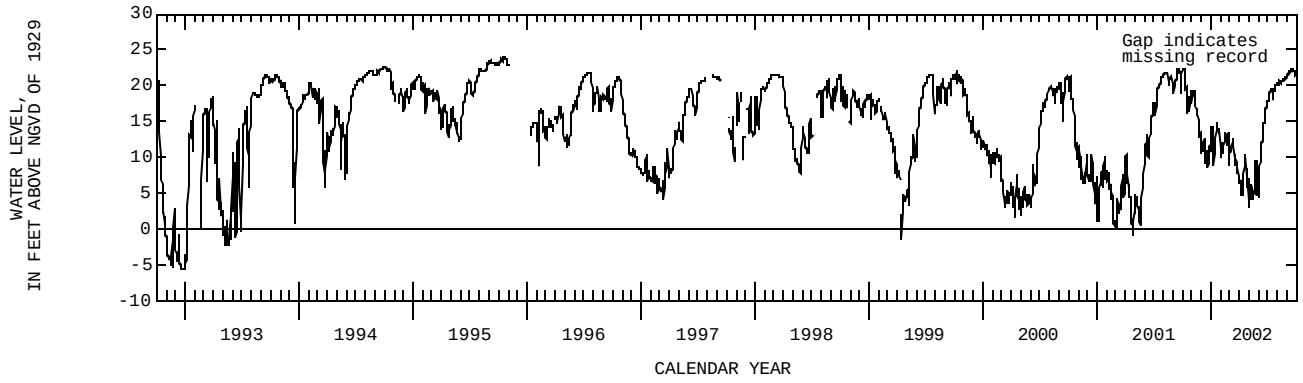
LEE COUNTY--Continued

WELL NUMBER.--262703081340201. Local Number L 731.

LOCATION.--Lat 26°27'03", long 81°33'59", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 21 ft south of Corkscrew Road, 5.6 mi south of State Road 82 and County Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.31	18.80	11.63	10.78	11.92	10.85	6.78	5.43	8.76	18.60	20.42	21.92
10	21.34	18.17	10.71	10.30	11.34	12.20	4.95	5.76	11.07	19.35	20.44	21.78
15	19.46	16.68	10.42	12.54	13.33	9.65	7.68	3.92	13.43	19.67	20.66	22.30
20	16.56	14.98	9.21	14.76	11.38	9.34	10.32	7.79	15.24	19.18	20.91	21.82
25	17.97	13.24	9.24	13.75	13.22	7.47	8.31	9.64	16.78	19.88	21.01	21.96
EOM	17.41	12.15	11.80	11.28	8.78	6.39	6.49	6.39	17.84	20.35	21.39	21.74
MAX	22.35	---	12.58	14.76	13.34	12.69	10.32	---	17.84	20.35	21.39	22.30



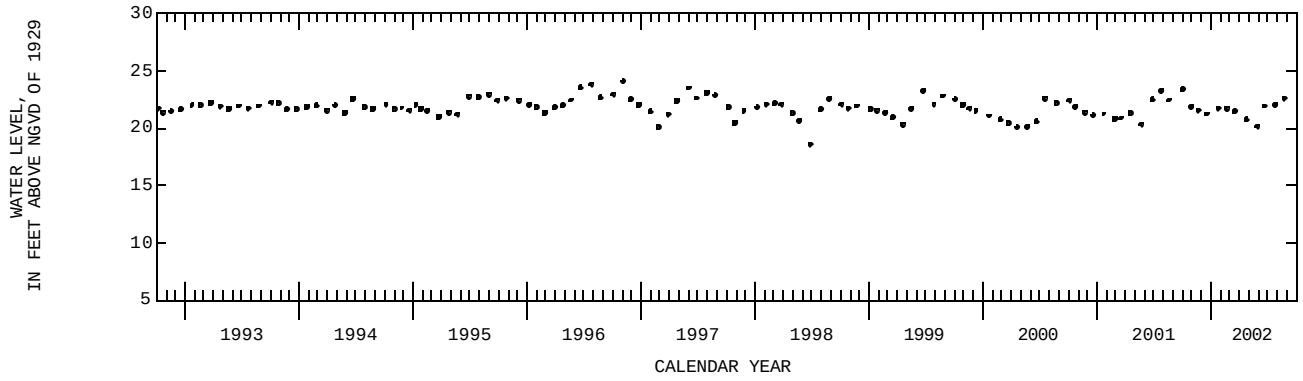
LEE COUNTY--Continued

WELL NUMBER.--262703081340202. Local Number L 1138.

LOCATION.--Lat 26°27'03", long 81°33'59", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 21 ft south of Corkscrew Road, 5.6 mi south of intersection of State Road 82 and County Road 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 figures 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0858	23.35	24...	1632	20.72
29...	1321	21.85	MAY		
NOV			29...	0909	20.16
20...	0831	21.56	JUN		
DEC			20...	1638	21.93
18...	1321	21.23	JUL		
JAN			26...	0906	22.00
24...	1113	21.72	AUG		
FEB			23...	1522	22.59
21...	1205	21.72			
MAR					
19...	1242	21.42			



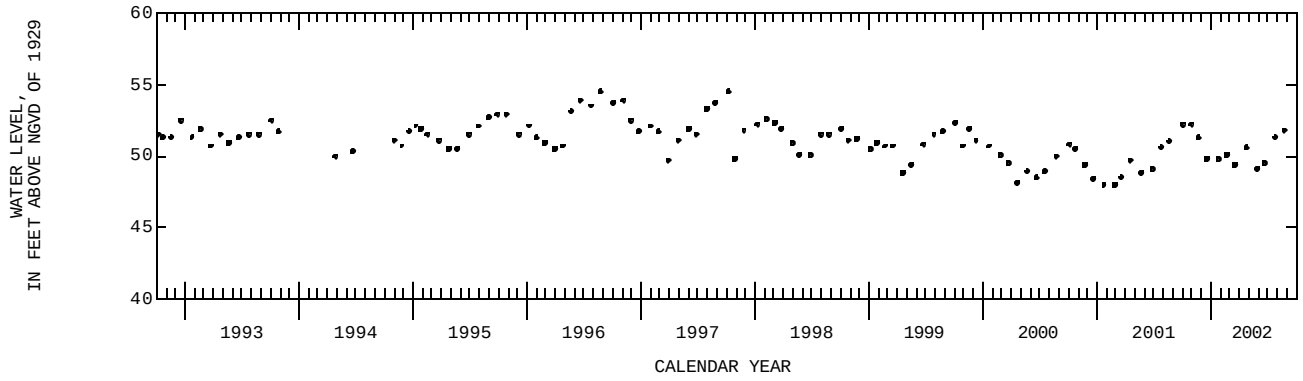
LEE COUNTY--Continued

WELL NUMBER.--262703081340203. Local Number L 2313.

LOCATION.--Lat 26°27'03", long 81°33'59", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 21 ft south of Corkscrew Road, 5.6 mi south of intersection of State Road 82 and County Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0901	52.20	24...	1630	50.60
29...	1326	52.20	MAY		
NOV			29...	0905	49.10
20...	0828	51.30	JUN		
DEC			20...	1633	49.50
19...	1318	49.80	JUL		
JAN			26...	0902	51.30
24...	1110	49.80	AUG		
FEB			23...	1519	51.80
21...	1204	50.10			
MAR					
19...	1244	49.40			



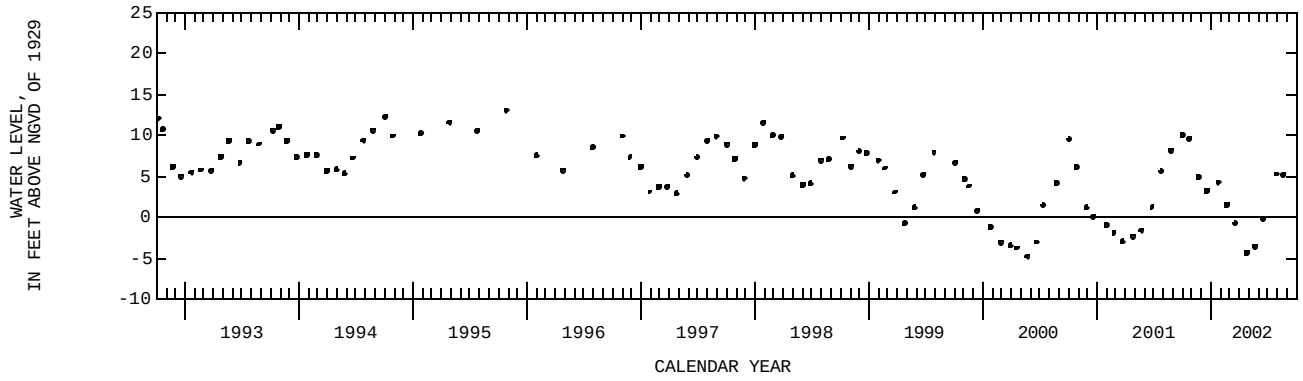
LEE COUNTY--Continued

WELL NUMBER.--262706081435401. Local Number L 1853.

LOCATION.--Lat 26°27'07", long 81°43'57", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.20, T.46 S., R.26 E., Hydrologic Unit 03090204, 17 ft north of Corkscrew Road, 3.2 mi east of U.S. Interstate 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, 14.59 ft NGVD, Sept. 28, 1983 (present datum); lowest, 4.73 ft below NGVD, May 23, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	0710	10.04	26...	1254	-4.30
24...	0739	9.57	MAY		
NOV			20...	1020	-3.52
20...	1305	4.91	JUN		
DEC			17...	1012	-.28
17...	0854	3.24	JUL		
JAN			29...	1013	5.32
23...	0834	4.30	AUG		
FEB			20...	0932	5.22
20...	0734	1.53			
MAR					
20...	1205	-.75			



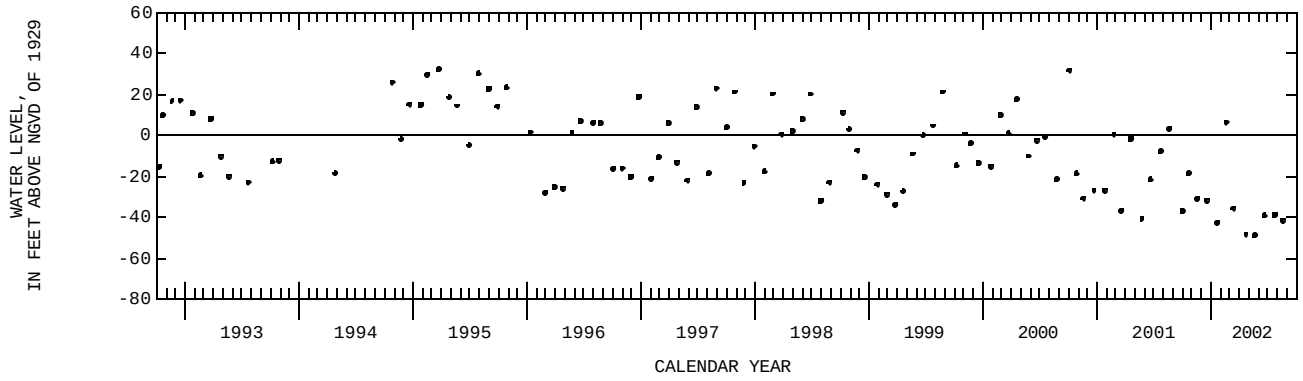
LEE COUNTY--Continued

WELL NUMBER.--262706082080201. Local Number L 5735.

LOCATION.--Lat 26°27'09", long 82°08'01", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 $^{1}/_{4}$ 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, 48.89 ft below NGVD, May 21, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1225	-36.76	22...	1048	-48.13
22...	1046	-18.52	MAY		
NOV			21...	1328	-48.89
19...	1008	-30.81	JUN		
DEC			20...	0935	-39.17
17...	0920	-31.53	JUL		
JAN			24...	1123	-38.91
22...	1038	-42.72	AUG		
FEB			19...	1207	-41.41
19...	0924	6.50			
MAR					
14...	0938	-35.42			



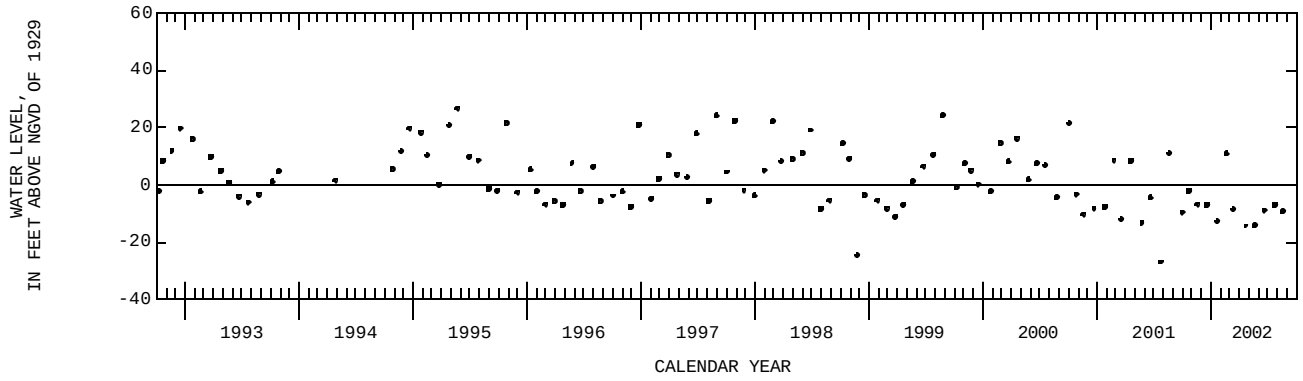
LEE COUNTY--Continued

WELL NUMBER.--262706082080202. Local Number L 5737.

LOCATION.--Lat 26°27'09", long 82°08'01", in NW 1/4 SW 1/4 NW 1/4 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1125	-9.55	22...	1043	-14.38
22...	1019	-2.14	MAY		
NOV			21...	1320	-14.35
19...	1000	-6.92	JUN		
DEC			20...	1320	-8.85
17...	0856	-6.97	JUL		
JAN			24...	1120	-7.17
22...	1025	-12.78	AUG		
FEB			19...	1156	-9.45
19...	0921	10.90			
MAR					
14...	0928	-8.69			



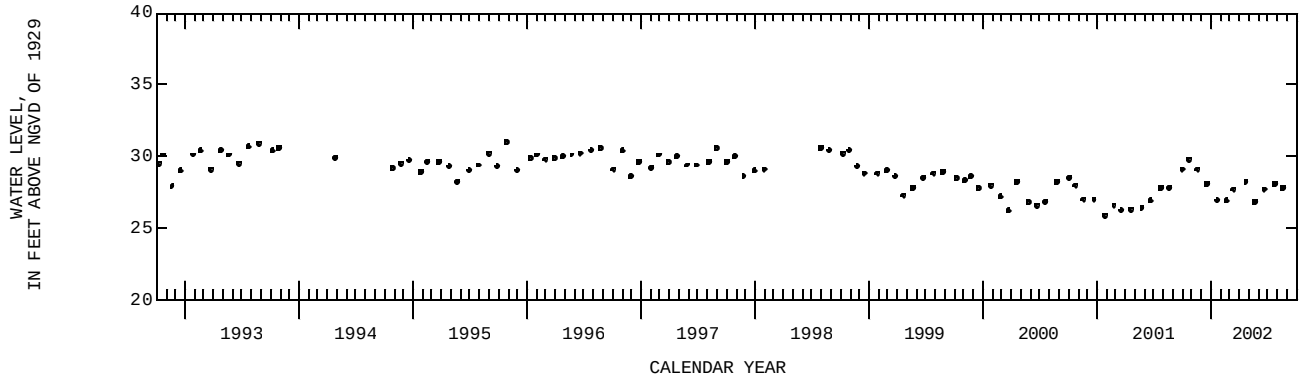
LEE COUNTY

WELL NUMBER.--262710082005301. Local Number L 585.

LOCATION.--Lat 26°27'11", long 82°00'55", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	0850	29.10	22...	1229	28.20
22...	0834	29.80	MAY		
NOV			21...	1401	26.80
19...	1138	29.10	JUN		
DEC			20...	1043	27.70
17...	1052	28.10	JUL		
JAN			24...	0915	28.10
22...	1227	26.90	AUG		
FEB			19...	1413	27.80
19...	1103	26.90			
MAR					
14...	1130	27.70			



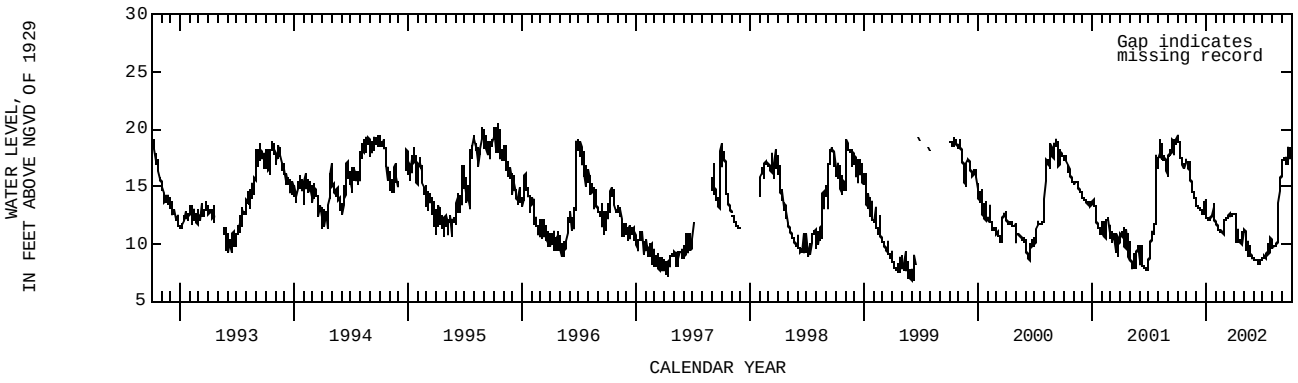
LEE COUNTY--Continued

WELL NUMBER.--262711081413701. Local Number L 2550.

LOCATION.--Lat 26°27'12", long 81°41'37", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Interstate 75, and 8.2 mi east of Estero Post Office.
AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122SNDS.
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 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.--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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.83	16.90	13.22	12.16	11.63	12.01	12.33	11.10	8.57	8.63	9.72	17.41
10	17.60	17.02	13.15	12.06	11.23	12.25	10.12	9.53	8.54	9.06	9.74	17.26
15	17.23	15.08	12.96	12.21	10.99	12.52	10.30	9.31	8.62	9.29	10.06	17.06
20	16.57	14.52	12.69	12.46	10.95	12.30	10.23	9.73	8.28	9.18	11.76	18.30
25	16.89	14.03	13.68	12.29	10.88	12.51	11.10	8.97	8.53	10.54	14.78	18.01
EOM	17.12	13.52	12.26	11.82	12.03	12.52	11.12	8.81	8.70	10.33	16.29	18.40
MAX	19.23	17.16	13.88	13.59	12.03	12.57	12.53	11.16	8.74	10.56	16.30	18.40



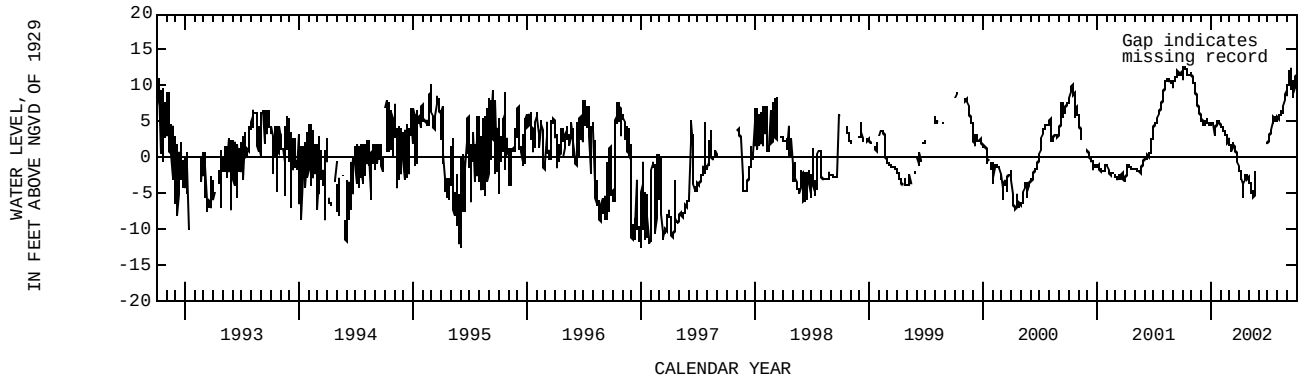
LEE COUNTY--Continued

WELL NUMBER.--262713081414401. Local Number L 2193.

LOCATION.--Lat 26°27'14", long 81°41'40", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Interstate 75, and 8.2 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 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.60	10.52	4.85	4.70	4.25	1.55	-2.71	-3.57	---	2.78	5.76	10.88
10	12.43	9.68	4.78	2.92	3.75	1.59	-3.96	-4.85	---	3.48	6.05	12.04
15	12.15	8.22	5.16	4.13	3.41	1.32	-3.81	-5.26	---	4.73	6.33	9.74
20	11.34	7.11	5.07	5.07	2.70	0.86	-2.92	-3.40	---	5.57	6.68	8.52
25	11.61	6.15	4.47	4.98	2.44	-0.43	-2.52	---	---	4.97	8.37	9.86
EOM	11.38	5.29	4.55	4.26	2.20	-1.66	-3.42	---	1.93	5.34	8.57	11.61
MAX	12.69	11.25	5.34	5.11	4.33	1.89	-1.74	---	---	5.57	9.13	12.30



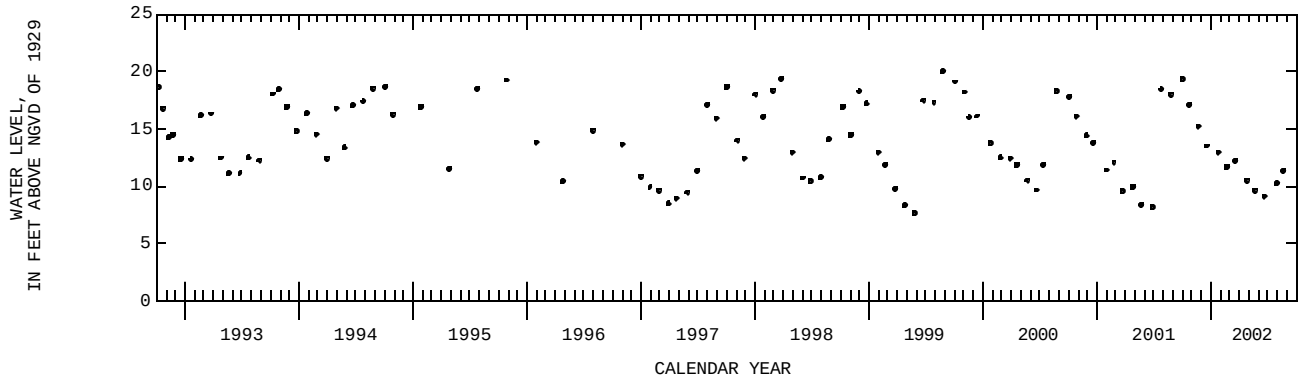
LEE COUNTY--Continued

WELL NUMBER.--262713081414701. Local Number L 1985.

LOCATION.--Lat 26°27'12", long 81°41'42", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.22, T.46 S., R.26 E., Hydrologic Unit 03090204, 20 ft north of Corkscrew Road, 5.55 mi east of U.S. Interstate 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 0.13 ft above land-surface datum. Prior to October 2001, top of casing was 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 measured water level, 7.30 ft NGVD, May 7, 1990.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	0756	19.37	26...	1250	10.51
24...	0857	17.05	MAY		
NOV			20...	1038	9.65
20...	1410	15.23	JUN		
DEC			20...	1023	9.10
17...	0931	13.49	JUL		
JAN			31...	1255	10.22
23...	1445	12.95	AUG		
FEB			20...	1126	11.31
20...	0842	11.69			
MAR					
20...	1305	12.16			



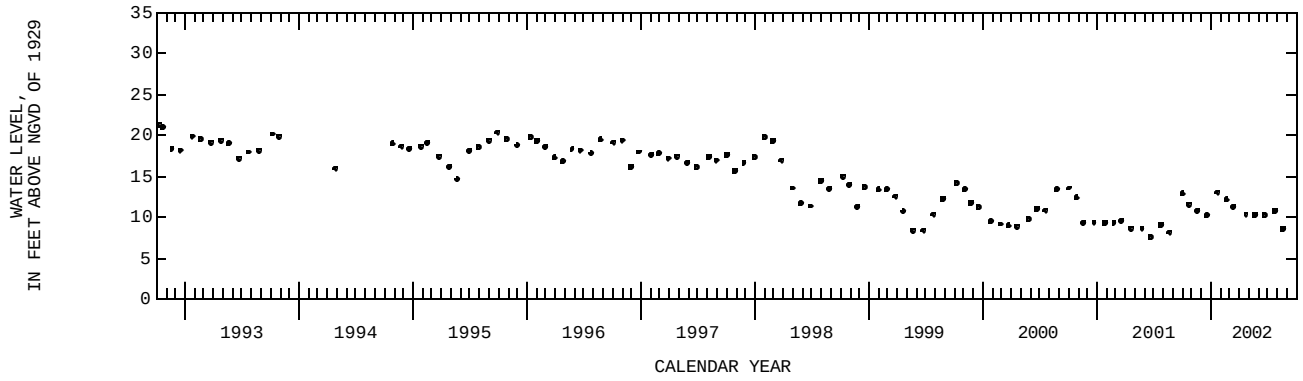
LEE COUNTY--Continued

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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1238	12.90	22...	1030	10.40
22...	1059	11.60	MAY		
NOV			21...	1250	10.30
19...	0946	10.80	JUN		
DEC			20...	0855	10.30
17...	0843	10.20	JUL		
JAN			24...	1133	10.80
22...	1010	13.10	AUG		
FEB			19...	1138	8.60
19...	0904	12.20			
MAR					
14...	0917	11.30			



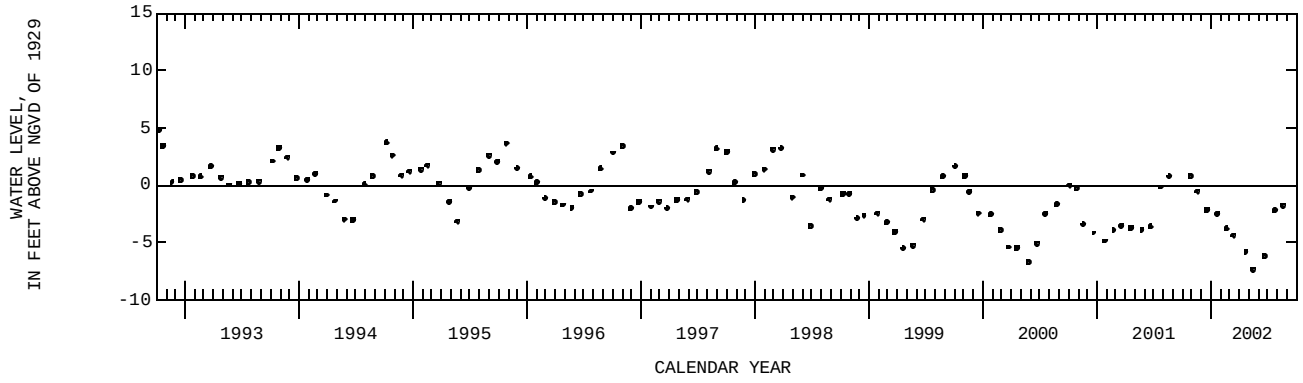
LEE COUNTY--Continued

WELL NUMBER.--262831081575901. Local Number L 2212.

LOCATION.--Lat 26°28'33", long 81°58'01", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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, 7.34 ft below NGVD, May 15, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
25...	1317	.81	22...	1324	-5.84
NOV			MAY		
19...	1157	-.55	15...	1020	-7.34
DEC			JUN		
17...	1113	-2.15	20...	1108	-6.16
JAN			JUL		
22...	1249	-2.51	24...	1250	-2.23
FEB			AUG		
19...	1124	-3.80	19...	1433	-1.78
MAR					
14...	1150	-4.38			



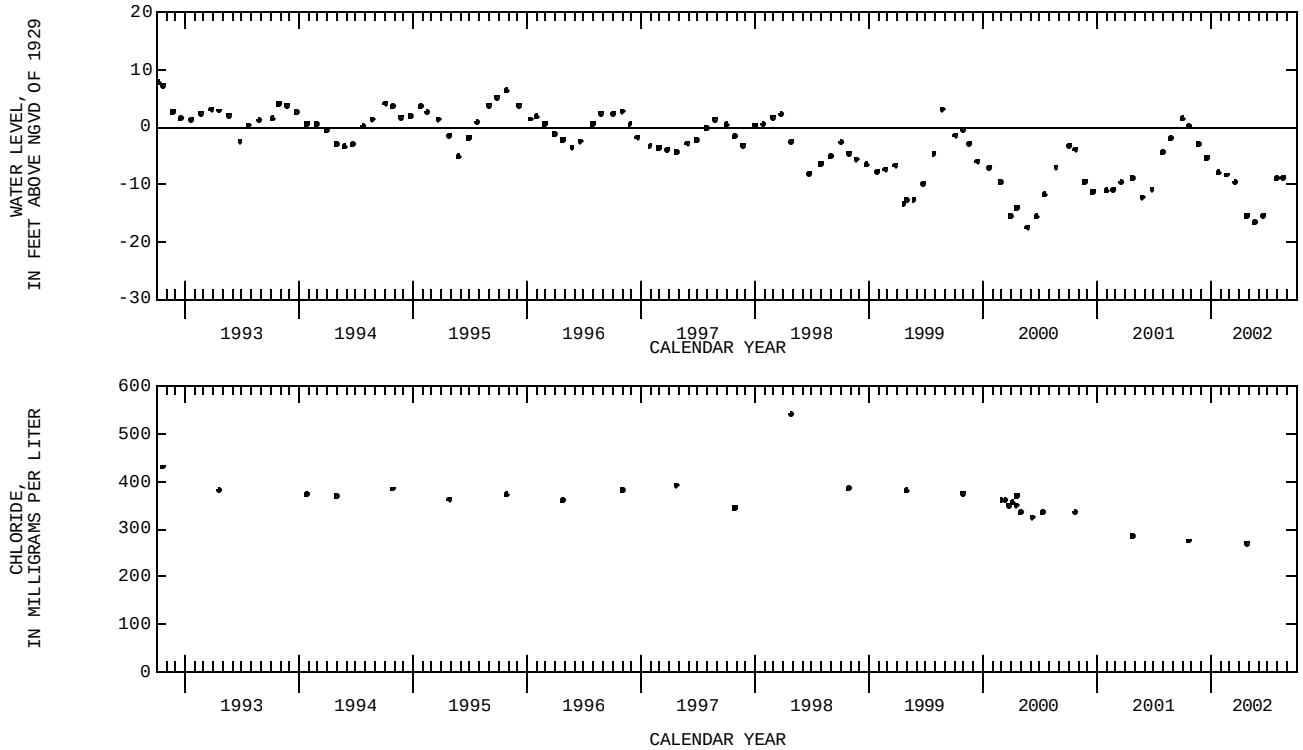
LEE COUNTY--Continued

WELL NUMBER.--262839081503100. Local Number L 735.

LOCATION.--Lat 26°28'40", long 81°50'31", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.18, T.46 S., R.25 E., Hydrologic Unit 03090204, 13 ft south of Park Road, 0.2 mi west of U.S. Highway 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 5.17 ft above National Geodetic Vertical Datum of 1929. Prior to September 2002, land-surface datum was 5.22 ft NGVD. Prior to October 2000, land-surface datum was considered to be 4.22 ft NGVD. Measuring point: Top of casing, 3.75 ft above land-surface datum. Prior to September 2002, top of casing was 2.10 ft above land-surface datum. Prior to October 2000, top of casing 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. In September 2002, the station was reconstructed with a new measuring point elevation. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
01...	1421	--	--	1.49
22...	1429	1480	275	.12
NOV				
20...	1240	--	--	-2.92
DEC				
17...	1527	--	--	-5.43
JAN				
24...	1052	--	--	-7.90
FEB				
20...	1341	--	--	-8.37
MAR				
20...	1411	--	--	-9.70
APR				
25...	0919	1400	270	-15.45
MAY				
20...	1515	--	--	-16.68
JUN				
17...	0859	--	--	-15.48
JUL				
31...	0840	--	--	-8.96
AUG				
20...	0754	--	--	-8.89



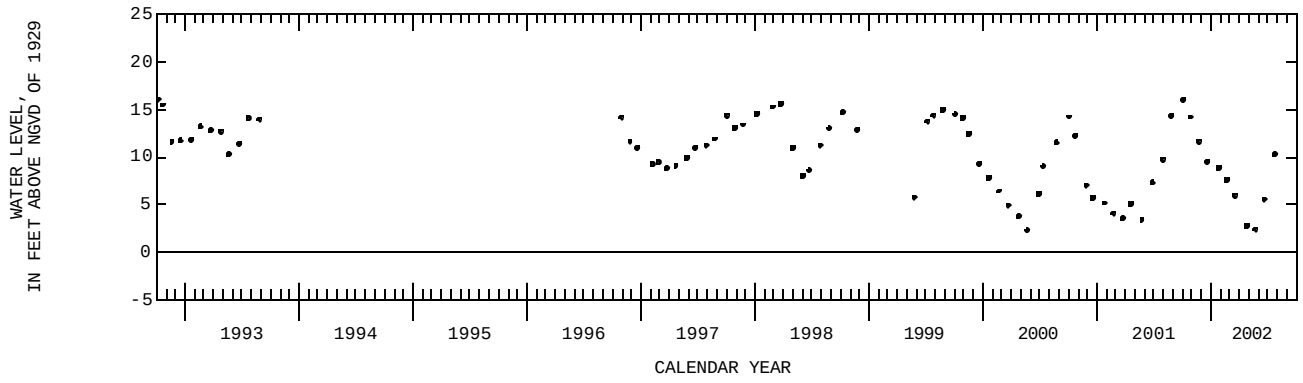
LEE COUNTY--Continued

WELL NUMBER.--262934081495801. Local Number L 5649.

LOCATION.--Lat 26°29'35", long 81°47'14", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.10, T.46 S., R.25 E., Hydrologic Unit 03090204, on the north side of Alico Road, 0.3 mi east of U.S. Interstate 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.--Electronic data logger. Monthly measurement with chalked tape prior to August 20, 2002.
DATUM.--Land-surface datum is 22.74 ft above National Geodetic Vertical Datum of 1929. Prior to August 1994, land-surface datum was 20.84 ft above NGVD. From September 1992 to October 2001, land-surface datum was considered to be 21.01 ft above NGVD. Measuring point: Top of shelf, 2.19 ft above land-surface datum. Prior to October 2001, top of shelf was considered to be 4.09 ft above a 21.01 ft NGVD land-surface datum. Prior to August 1994, top of shelf was 1.72 ft above land-surface datum. See REMARKS.
REMARKS.--In the 2002 water year the well was re-surveyed and the land-surface datum and height of the measuring point were corrected. The figures of water levels as elevation, in feet NGVD, prior to October 2001, are in error. These figures have not been corrected. There is insufficient record to publish 2002 daily record. See DATUM.
PERIOD OF RECORD.--October 1982 to September 1996 (daily), October 1996 to July 2002 (monthly), August 2002 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.24 ft NGVD, Sept. 12, 13, 1986 (present datum); lowest water level measured, 2.15 ft NGVD, May 23, 2000 (present datum).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
04...	1315	16.00	19...	1600	6.00
25...	1309	14.20	APR		
NOV			25...	1242	2.82
23...	1153	11.64	MAY		
DEC			23...	1400	2.46
20...	1010	9.48	JUN		
JAN			20...	1548	5.58
25...	1054	8.88	JUL		
FEB			24...	1325	10.28
20...	1531	7.60			



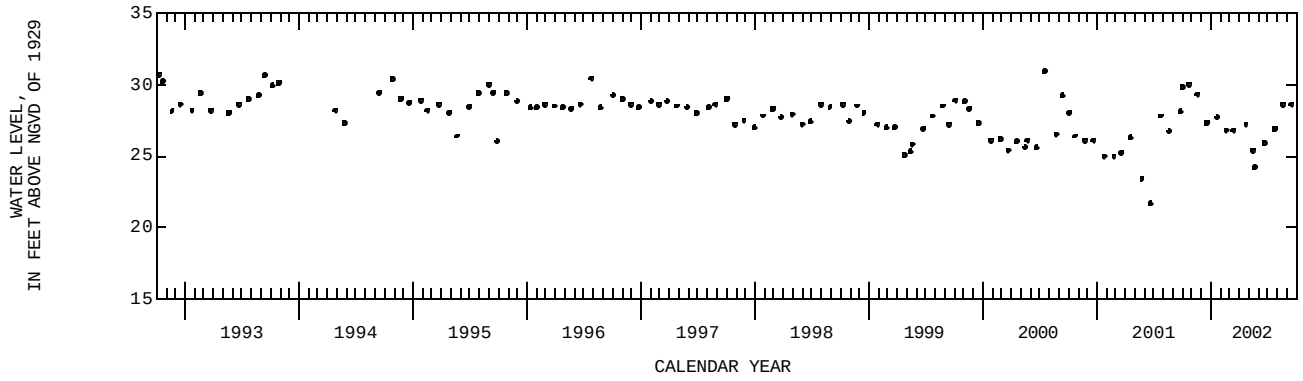
LEE COUNTY--Continued

WELL NUMBER.--262944081560801. Local Number L 2529.

LOCATION.--Lat 26°29'15", long 81°56'24", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.7, T.46 S., R.24 E., Hydrologic Unit 03090204, on south side of Pine Ridge Road, 0.25 mi east of State Road 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, 21.7 ft NGVD, June 19, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1435	29.80	22...	1419	27.20
22...	1313	30.00	MAY		
NOV			14...	1148	25.40
19...	1242	29.30	20...	1422	24.20
DEC			JUN		
17...	1257	27.30	20...	1156	25.90
JAN			JUL		
22...	1432	27.70	24...	1344	26.90
FEB			AUG		
19...	1335	26.80	19...	1524	28.60
MAR			SEP		
14...	1454	26.80	16...	0759	28.60



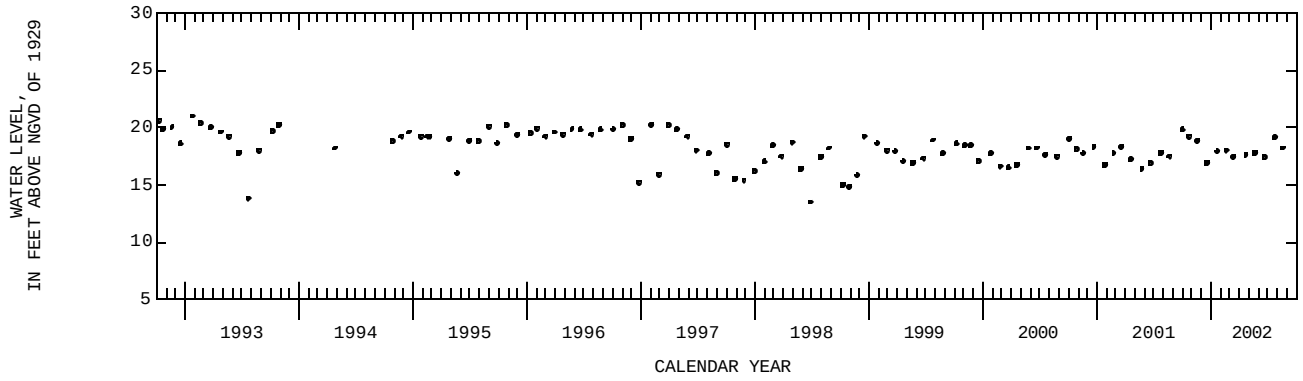
LEE COUNTY--Continued

WELL NUMBER.--263004082111701. Local Number L 2315.

LOCATION.--Lat 26°29'58", long 82°11'16", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1251	19.80	22...	1020	17.60
22...	1110	19.20	MAY		
NOV			21...	1242	17.80
19...	0936	18.80	JUN		
DEC			20...	0845	17.40
17...	0834	16.90	JUL		
JAN			24...	1154	19.10
22...	0955	17.90	AUG		
FEB			19...	1123	18.20
19...	0855	18.00			
MAR					
14...	0905	17.40			



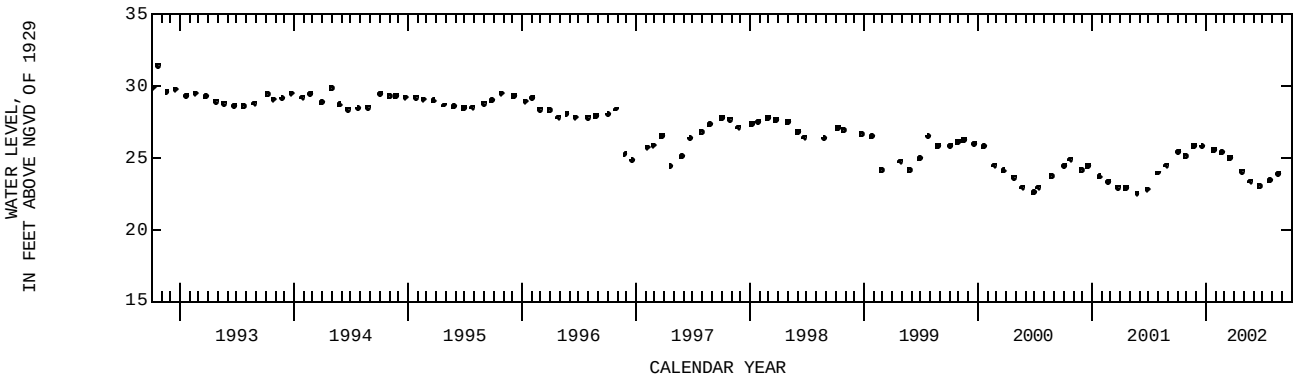
LEE COUNTY--Continued

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 U.S. Interstate 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 U.S. Geological Survey. Prior to 1996, monthly measurements were made using a pressure gage.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1220	25.40	25...	1206	24.04
25...	1216	25.14	MAY		
NOV			23...	1347	23.36
23...	1123	25.80	JUN		
DEC			20...	1525	23.04
20...	0933	25.78	JUL		
JAN			24...	1248	23.40
25...	1023	25.53	AUG		
FEB			20...	1202	23.86
20...	1503	25.34			
MAR					
19...	1531	24.99			



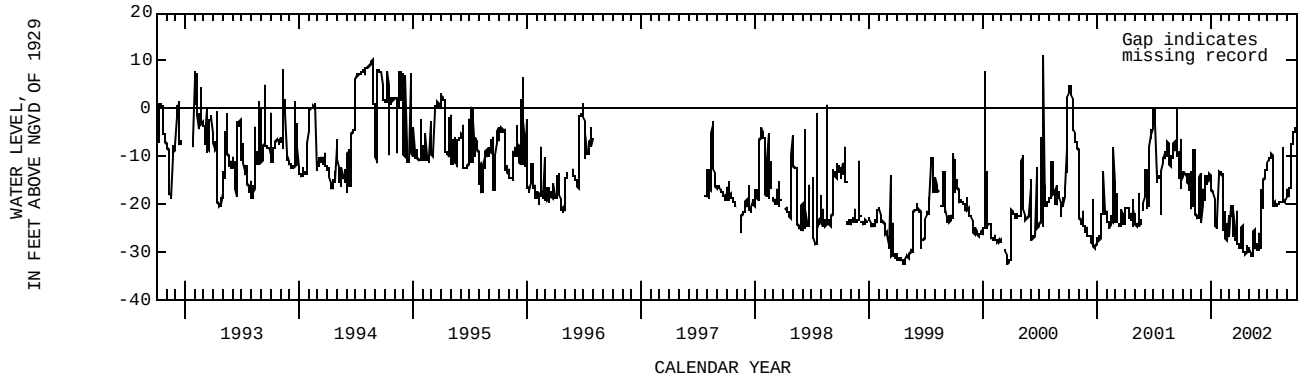
LEE COUNTY--Continued

WELL NUMBER.--263041081433102. Local Number L 1998.

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 U.S. Interstate 75, and 7.2 mi northeast 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 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. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-13.15	-9.33	-16.88	-17.61	-13.50	-21.17	-29.50	-30.57	-29.19	-10.40	-19.70	-18.27
10	-13.64	-21.30	-18.09	-18.93	-26.02	-26.53	-24.72	-30.67	-24.38	-10.29	-19.68	-16.76
15	-14.26	-22.50	-14.19	-24.55	-26.36	-24.83	-29.92	-31.24	-18.33	-9.97	-19.69	-8.45
20	-17.47	-23.08	-16.00	-24.07	-27.54	-27.54	-30.35	-26.82	-14.10	-20.02	-8.51	-4.84
25	-15.52	-14.49	-14.87	-13.44	-22.34	-21.82	-28.94	-29.16	-12.94	-20.45	-19.17	-4.71
EOM	-20.57	-23.50	-16.45	-13.36	-27.00	-28.59	-29.14	-29.56	-11.97	-20.23	-18.15	-3.91
MAX	-13.12	-8.68	-13.62	-13.33	-13.35	-20.28	-24.69	-25.38	-11.64	-9.62	-8.34	-3.91



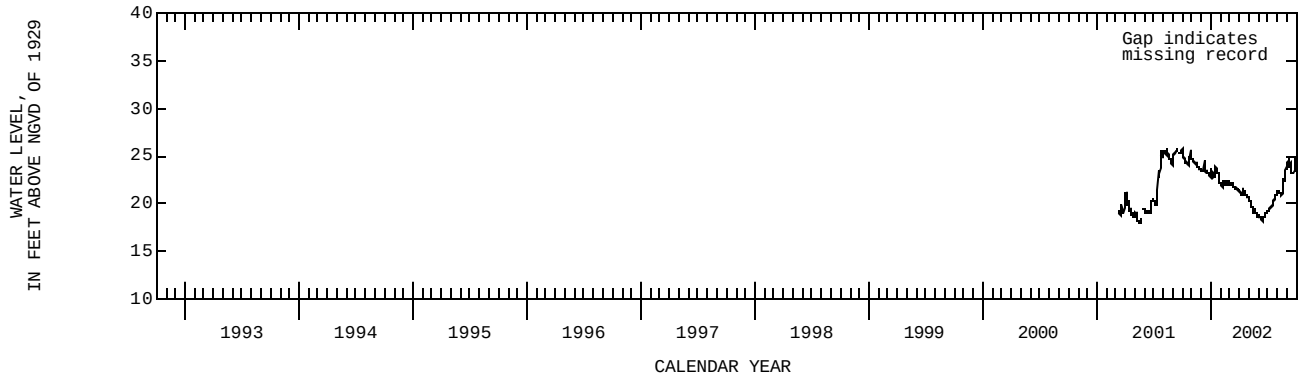
LEE COUNTY--Continued

WELL NUMBER.--263041081433103. Local Number L 1999.

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 U.S. Interstate 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, with pressure transducer.
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. 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 (monthly), 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.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.81	24.66	23.28	23.09	21.82	21.87	21.23	20.30	18.67	19.54	21.31	24.76
10	24.44	24.28	24.40	22.92	22.36	21.97	20.88	19.79	18.62	19.72	21.13	24.15
15	24.18	24.17	23.29	23.89	22.24	21.75	21.31	19.52	18.20	19.79	20.98	23.30
20	24.75	23.91	23.24	23.21	21.94	21.64	21.13	19.48	18.76	20.25	22.36	23.02
25	25.47	23.64	23.18	22.52	22.15	21.55	20.75	19.01	19.00	20.69	22.16	23.35
EOM	24.73	23.49	23.60	22.05	22.05	21.22	20.56	18.64	19.13	21.29	23.65	24.07
MAX	25.47	24.70	24.47	23.89	22.39	22.26	21.56	20.59	19.13	21.29	23.79	24.76



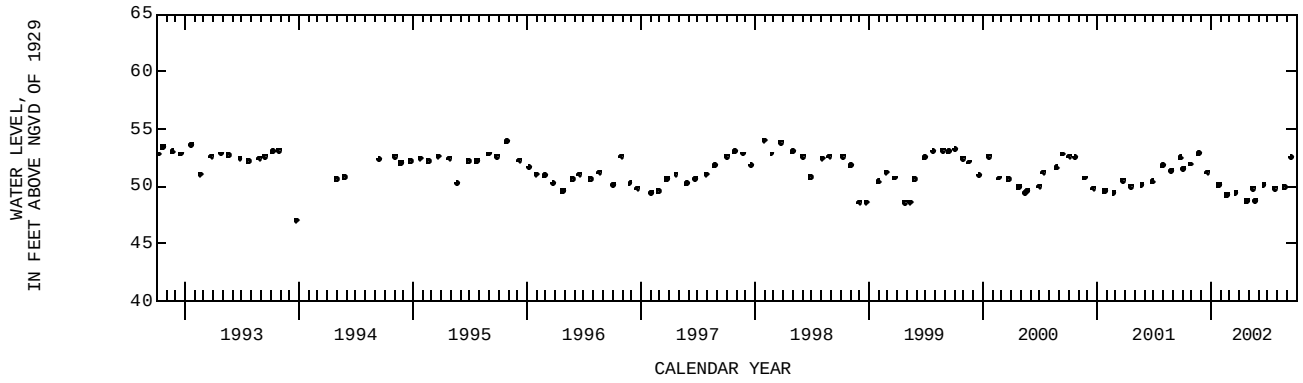
LEE COUNTY--Continued

WELL NUMBER.--263115081483501. Local Number L 5641.

LOCATION.--Lat 26°31'14", long 81°48'34", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.33, T.45 S., R.25 E., Hydrologic Unit 03090204, at golf course in Fiddlesticks Country Club, 0.75 mi west of U.S. Interstate 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 1,410 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1154	51.52	25...	1140	48.72
25...	1150	51.92	MAY		
NOV			14...	1353	49.80
23...	1043	52.82	23...	1430	48.72
DEC			JUN		
20...	0859	51.22	19...	1553	50.12
JAN			JUL		
25...	0956	50.12	25...	0934	49.82
FEB			AUG		
20...	1638	49.22	23...	0858	49.92
MAR			SEP		
21...	0824	49.42	16...	0728	52.50



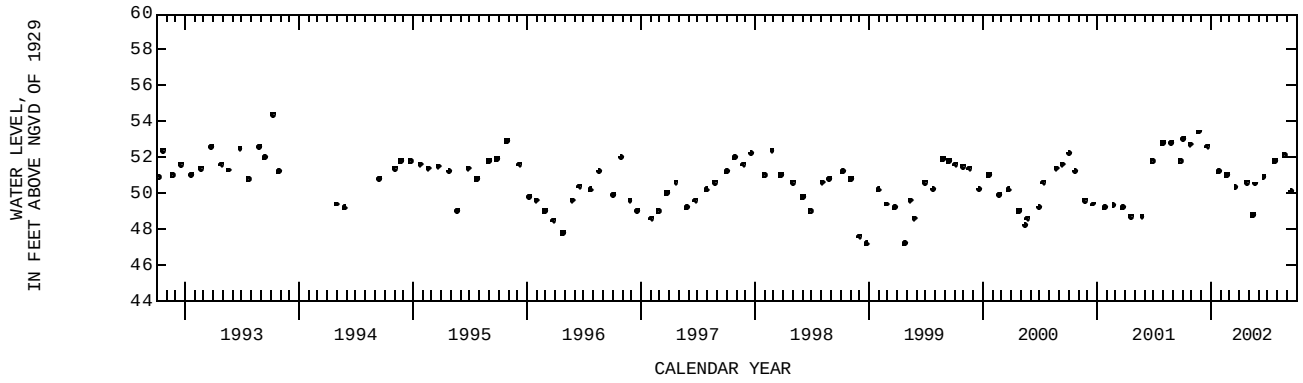
LEE COUNTY--Continued

WELL NUMBER.--263115081483502. Local Number L 5801.

LOCATION.--Lat 26°31'14", long 81°48'34", NW $^1/_4$ SE $^1/_4$ NE $^1/_4$ in sec.33, T.45 S., R.25 E., Hydrologic Unit 03090204, at golf course in Fiddlesticks Country Club, 0.75 mi west of U.S. Interstate 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1200	53.01	25...	1142	50.62
25...	1152	52.72	MAY		
NOV			14...	1355	48.80
23...	1045	53.42	23...	1405	50.52
DEC			JUN		
20...	0901	52.62	19...	1549	50.92
JAN			JUL		
25...	0957	51.22	25...	0930	51.82
FEB			AUG		
20...	1641	51.02	23...	0851	52.12
MAR			SEP		
21...	0827	50.32	16...	0726	50.10



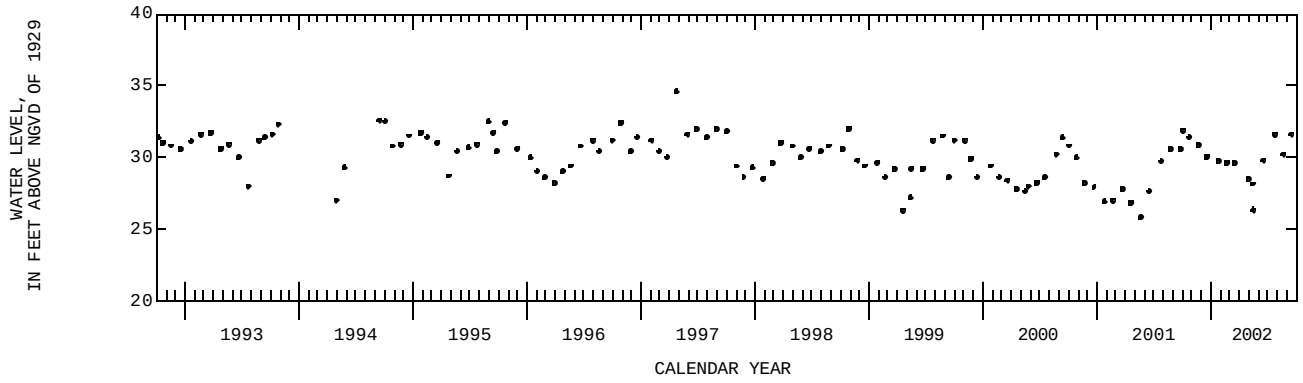
LEE COUNTY--Continued

WELL NUMBER.--263117082051001. Local Number L 2525.

LOCATION.--Lat 26°31'18", long 82°05'09", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, 32 ft west of String Fellow Road (County Road 767) and 6.6 mi south of Pine Island Road and 0.9 mi north of Saint James City Post Office. (Corrected).
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.--Electronic data logger with pressure gage. Monthly measurement with pressure gage prior to August 2002.
DATUM.--Land-surface datum is 3.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of carriage bolt 2.55 ft above land-surface datum. Prior to August 2002, measuring point was top of casing, 2.30 ft above land-surface datum.
REMARKS.--There is insufficient record to publish 2002 daily record. 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 August 2002 (monthly), August 2002 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1237	31.89	29...	1135	28.49
24...	1418	31.39	MAY		
NOV			15...	0849	28.15
21...	1410	30.89	16...	1140	26.30
DEC			JUN		
18...	1548	30.02	17...	0923	29.79
JAN			JUL		
24...	1311	29.73	25...	1728	31.59
FEB			AUG		
21...	1526	29.60	21...	1017	30.23
MAR			SEP		
15...	1118	29.59	16...	1015	31.60



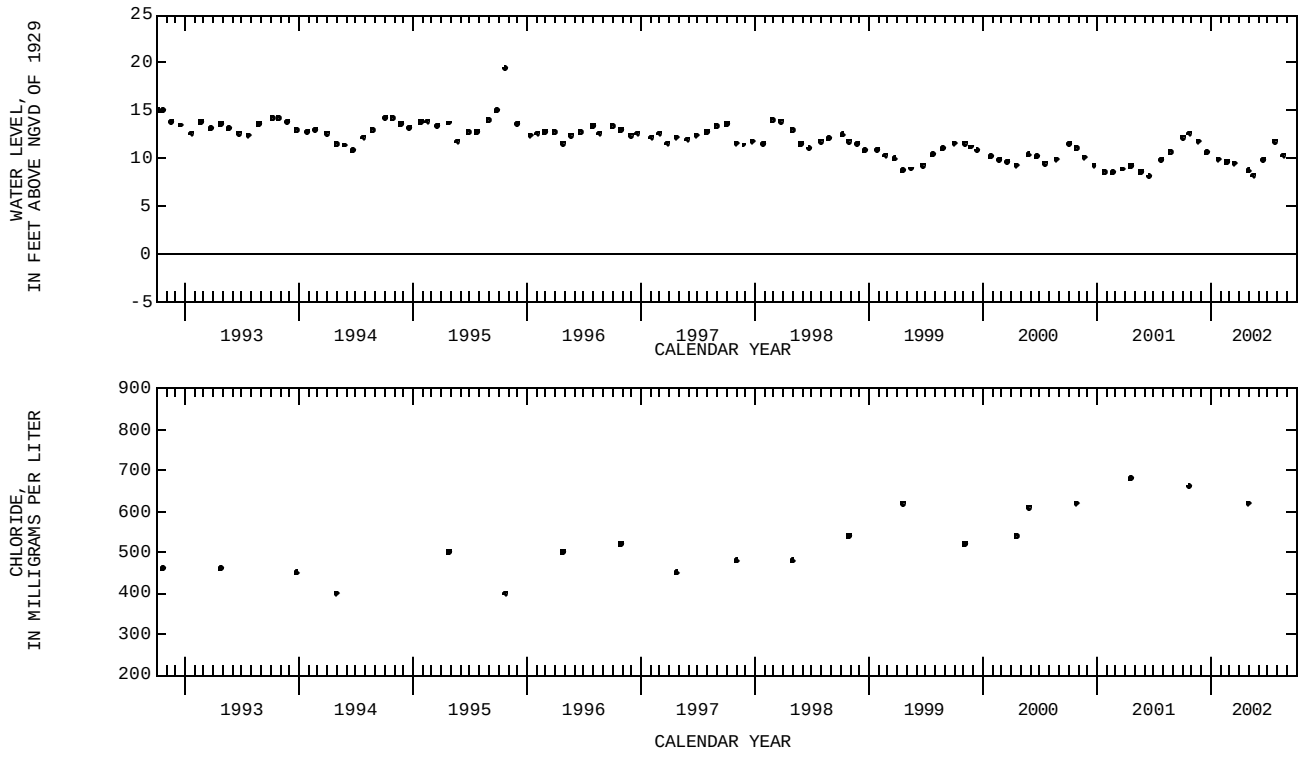
LEE COUNTY--Continued

WELL NUMBER.--263117082051002. Local Number L 2821.

LOCATION.--Lat 26°31'15", long 82°05'09", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, 32 ft west of Stringfellow Road (County Road 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
02...	1233	--	--	12.20
24...	1415	2650	660	12.60
NOV				
21...	1412	--	--	11.80
DEC				
18...	1549	--	--	10.60
JAN				
24...	1309	--	--	9.90
FEB				
21...	1525	--	--	9.60
MAR				
15...	1115	--	--	9.50
APR				
29...	1138	2580	620	8.70
MAY				
16...	1139	--	--	8.20
JUN				
17...	0925	--	--	9.80
JUL				
25...	1730	--	--	11.80
AUG				
21...	1019	--	--	10.30



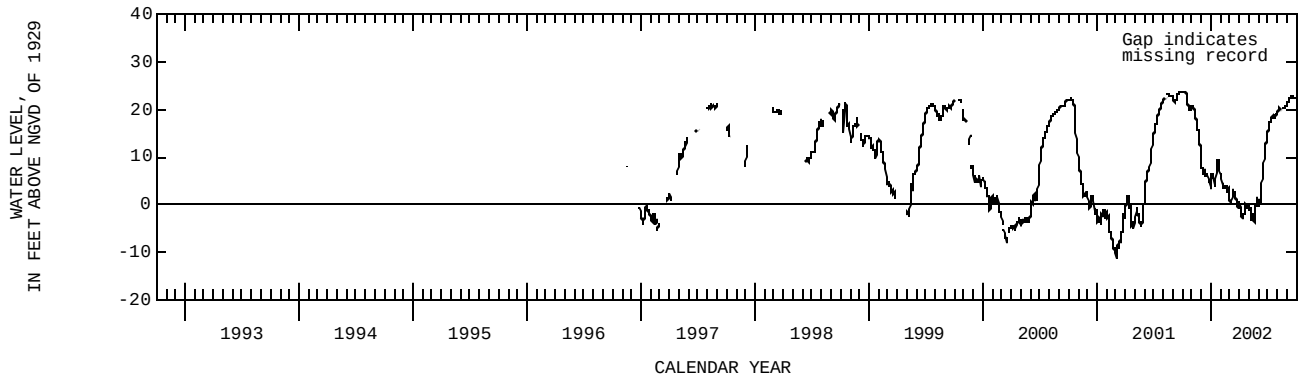
LEE COUNTY--Continued

WELL NUMBER.--263127081351602. Local Number L 2215.

LOCATION.--Lat 26°31'29", long 81°35'16", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.35, T.45 S., R.27 E., Hydrologic Unit 03090205, 66 ft east of Eisenhower Boulevard, 68 ft north of State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.58	20.31	6.43	5.25	4.14	0.30	-1.61	-0.92	0.78	16.65	20.00	21.96
10	23.56	19.01	6.91	3.88	3.38	2.27	-2.64	-3.04	3.26	17.75	20.02	22.41
15	22.28	16.52	6.05	5.39	3.39	2.54	-2.12	-3.07	6.60	18.40	---	22.66
20	20.55	15.51	6.49	8.38	2.78	1.78	-0.75	-1.34	9.88	18.25	19.84	22.65
25	19.83	12.77	4.60	8.24	3.43	0.53	-0.70	0.19	12.83	17.96	20.66	22.26
EOM	20.49	8.71	4.93	6.33	2.91	0.34	-0.54	-0.41	14.99	19.26	21.03	22.43
MAX	23.60	20.50	7.82	9.49	6.12	3.22	0.52	1.43	14.99	19.26	---	22.79



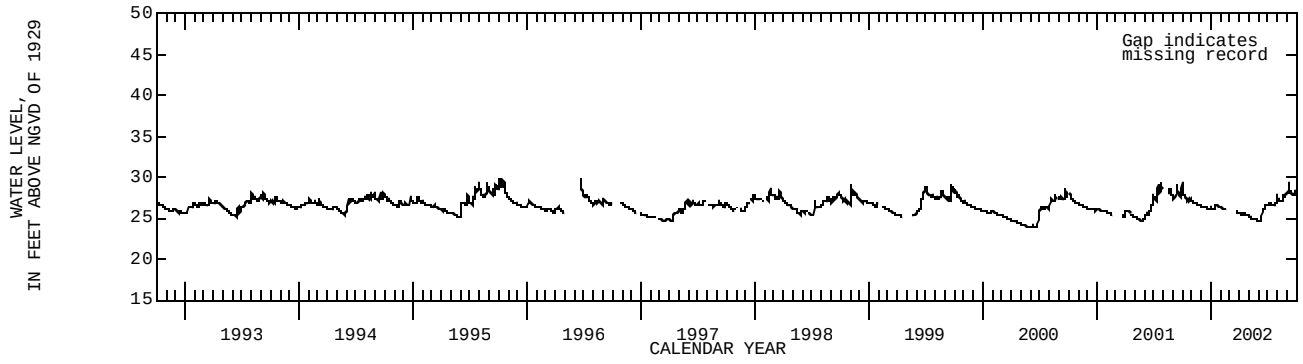
LEE COUNTY--Continued

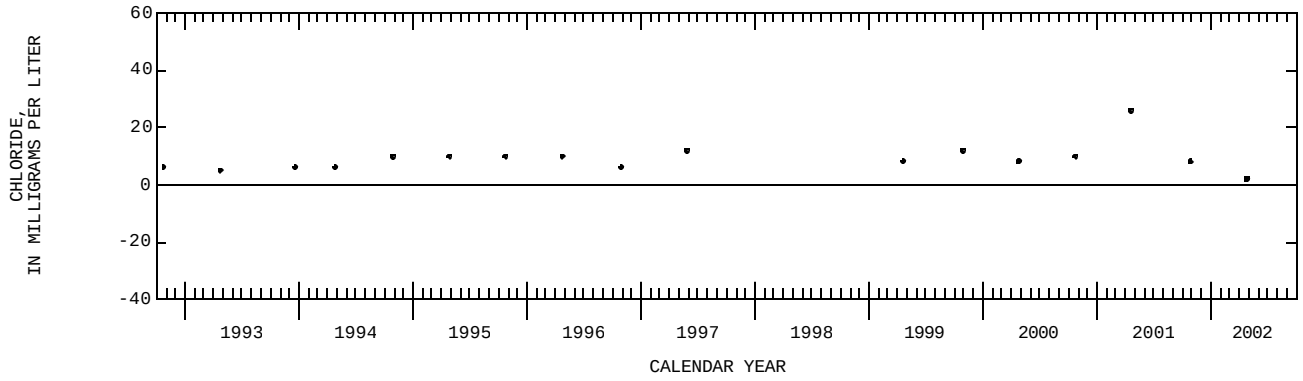
WELL NUMBER.--263138081545801. Local Number L 730.

LOCATION.--Lat 26°31'29", long 81°35'16", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.35, T.45 S., R.27 E., Hydrologic Unit 03090205, 21 ft east of Eisenhower Boulevard, 68 ft north of State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.94	27.00	26.37	26.22	26.22	---	25.55	25.11	24.65	26.75	27.16	29.25
10	27.55	26.84	26.34	26.12	26.17	---	25.43	24.97	25.05	26.80	27.10	28.29
15	27.30	26.77	26.26	26.58	26.15	---	25.58	24.84	25.87	26.64	27.05	28.02
20	27.25	26.65	26.19	26.53	---	---	25.51	24.91	26.20	26.57	27.91	27.73
25	27.31	26.61	26.11	26.44	---	25.76	25.35	24.79	26.62	26.79	27.50	28.22
EOM	27.11	26.46	26.19	26.33	---	25.67	25.24	24.63	26.60	27.71	27.89	27.76
MAX	28.49	27.07	26.43	26.60	---	---	25.65	25.23	26.67	27.71	28.01	29.25





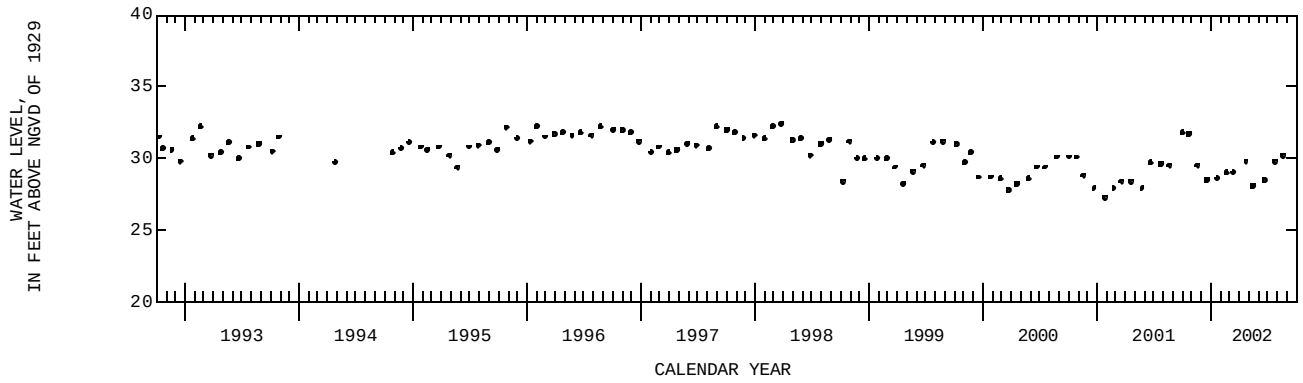
LEE COUNTY--Continued

WELL NUMBER.--263138082112801. Local Number L 5766.

LOCATION.--Lat 26°31'38", long 82°11'27", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 4.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. by 2 in. reducer, 3.30 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 5.27 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.30 ft above land-surface datum. See REMARKS.
REMARKS.--In the 2002 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 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1304	31.80	22...	1009	29.80
22...	1125	31.70	MAY		
NOV			15...	1233	28.10
19...	0928	29.50	JUN		
DEC			20...	0834	28.50
17...	0825	28.50	JUL		
JAN			24...	1205	29.80
22...	0947	28.60	AUG		
FEB			19...	1108	30.20
19...	0845	29.00			
MAR					
14...	0858	29.00			



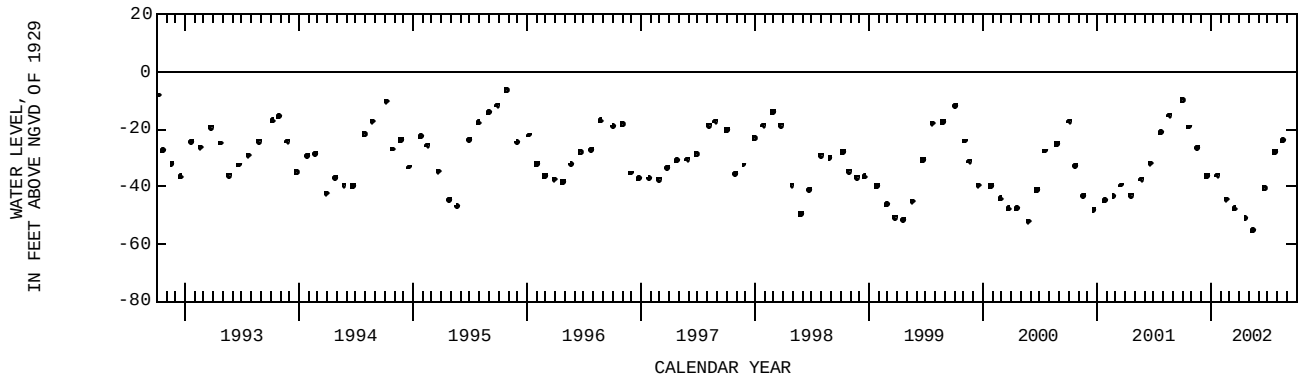
LEE COUNTY--Continued

WELL NUMBER.--263233081550301. Local Number L 1598.

LOCATION.--Lat 26°32'32", long 81°55'02", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ SW $^{1}/_{4}$ 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, 55.50 ft below NGVD, May 15, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1500	-9.89	22...	1435	-51.16
22...	1329	-19.26	MAY		
NOV			15...	1059	-55.50
19...	1301	-26.70	JUN		
DEC			20...	1239	-40.44
17...	1313	-36.34	JUL		
JAN			24...	0844	-28.05
22...	1451	-36.15	AUG		
FEB			19...	1540	-24.10
19...	1404	-44.42			
MAR					
15...	0941	-47.75			



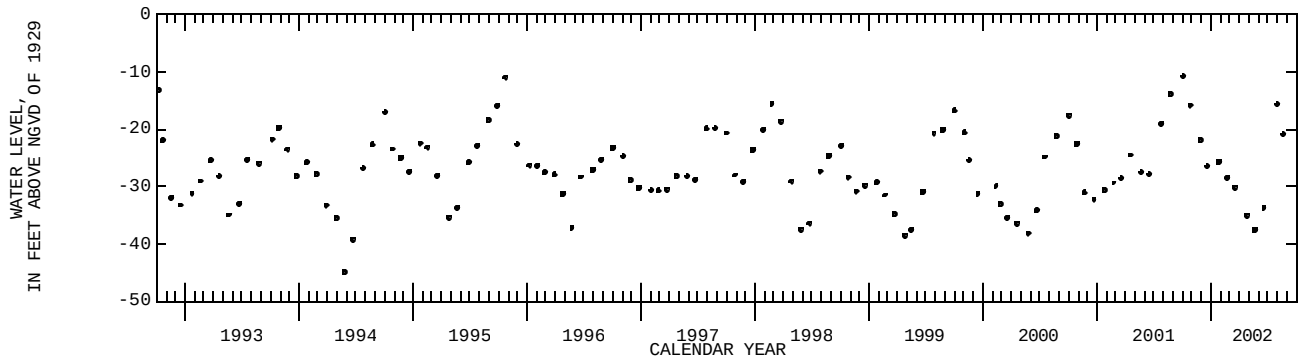
LEE COUNTY--Continued

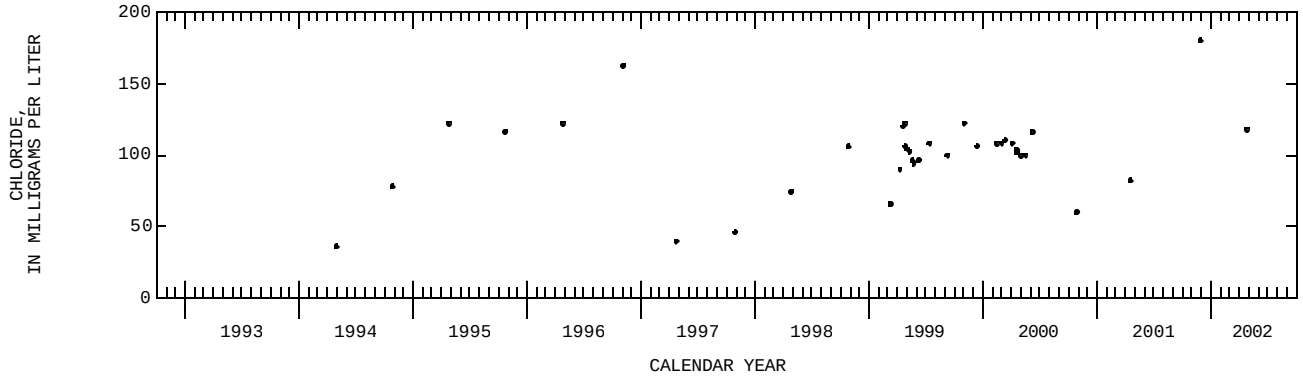
WELL NUMBER.--263242081572101. Local Number L 2244.

LOCATION.--Lat 26°32'41", long 81°57'21", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1536	--	--	-10.82
25...	1440	--	--	-15.90
NOV				
26...	1425	1010	180	-21.84
DEC				
20...	1410	--	--	-26.52
JAN				
25...	1534	--	--	-25.75
FEB				
22...	1430	--	--	-28.47
MAR				
19...	1453	--	--	-30.15
APR				
26...	1256	723	118	-35.06
MAY				
21...	1602	--	--	-37.64
JUN				
19...	1351	--	--	-33.78
AUG				
02...	0920	--	--	-15.78
21...	1400	--	--	-20.97





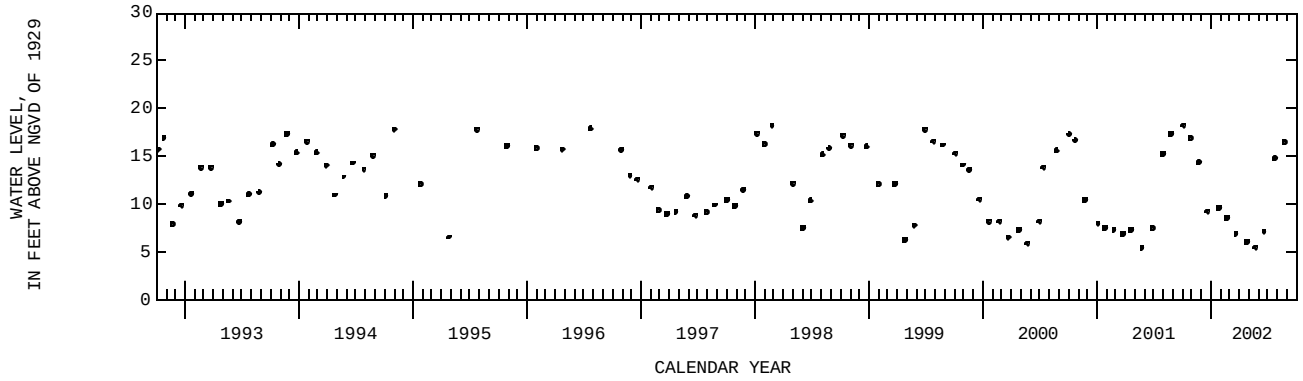
LEE COUNTY--Continued

WELL NUMBER.--263249081474401. Local Number L 5648.

LOCATION.--Lat 26°32'52", long 81°47'58", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Interstate 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 23.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC threaded coupling, 0.1 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 21.12 ft above National Geodetic Vertical datum of 1929 and measuring point was considered to be 2.89 ft above land-surface datum. See REMARKS.
REMARKS.--Records of water levels prior to October 1983 are available in files of the U.S. Geological Survey. In the 2002 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 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1150	18.23	25...	1120	6.05
25...	1131	16.94	MAY		
NOV			23...	1411	5.46
23...	1027	14.36	JUN		
DEC			19...	1533	7.13
20...	0846	9.27	JUL		
JAN			25...	0923	14.74
25...	0943	9.63	AUG		
FEB			23...	0904	16.51
20...	1624	8.56			
MAR					
21...	0805	6.89			



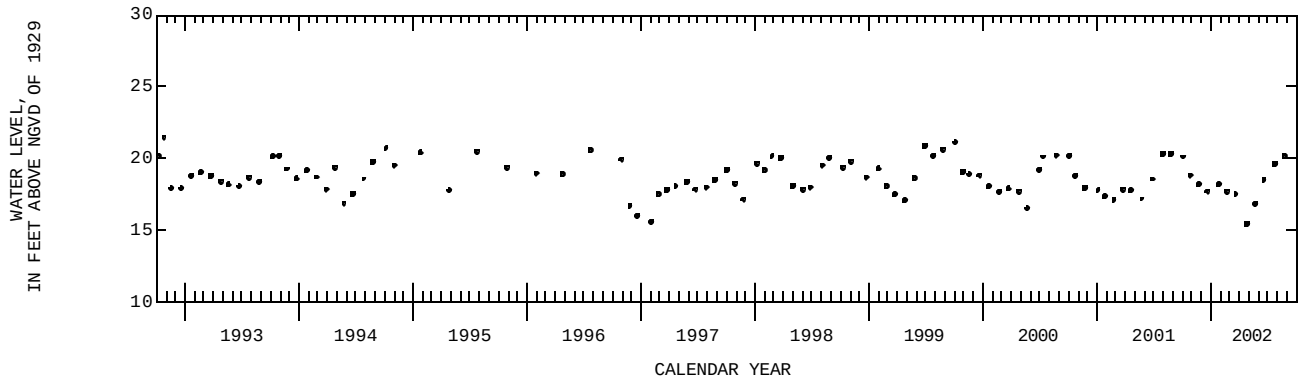
LEE COUNTY--Continued

WELL NUMBER.--263249081474402. Local Number L 5720.

LOCATION.--Lat 26°32'52", long 81°47'58", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Interstate 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 24.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, .20 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 21.12 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 3.28 ft above land-surface datum. See REMARKS.
REMARKS.--In the 2002 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 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, 21.47 ft NGVD, Oct. 23, 1992; lowest, 15.42 ft NGVD, Apr. 25, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	1145	20.10	25...	1125	15.42
25...	1128	18.81	MAY		
NOV			23...	1420	16.82
23...	1033	18.17	JUN		
DEC			19...	1535	18.50
20...	0844	17.70	JUL		
JAN			25...	0921	19.59
25...	0945	18.19	AUG		
FEB			23...	0906	20.15
20...	1626	17.71			
MAR					
21...	0825	17.49			



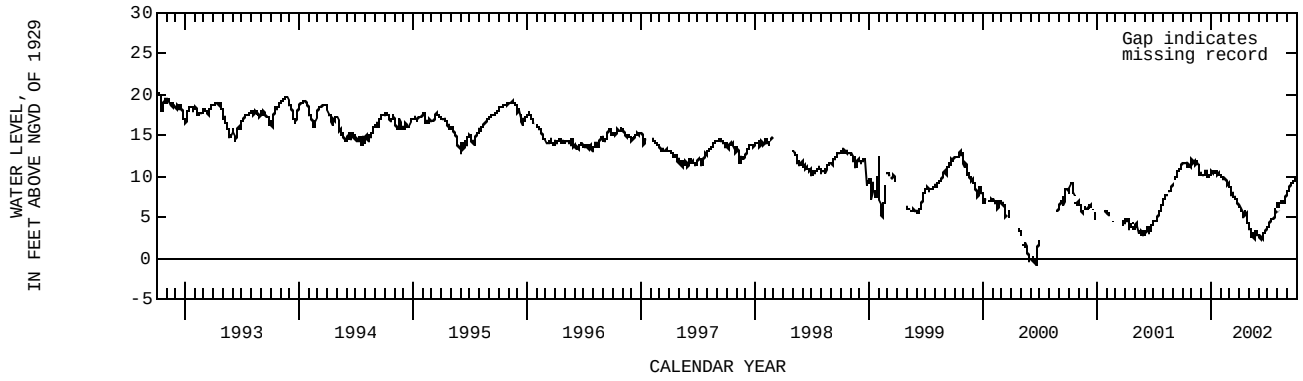
LEE COUNTY--Continued

WELL NUMBER.--263251081452801. Local Number L 1993.

LOCATION.--Lat 26°32'52", long 81°45'37", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 2 mi east of intersection of U.S. Interstate 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.
DATUM.--Land-surface datum is 23.95 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 2001, land-surface datum was considered to be 24.64 ft above NGVD. Prior to March 18, 1983, land-surface datum was considered to be 24.38 ft NGVD. Measuring point: Top of recorder shelf, 3.42 ft above land-surface datum. Prior to March 15, 2001, top of shelf was 3.27 ft above land-surface datum. Prior to January 3, 1985, top of shelf was 3.33 ft above land-surface datum (considered 3.29 ft above datum). Prior to March 19, 1983, top of shelf was 3.29 ft above present land-surface datum. Prior to March 1978, top of shelf was 3.34 ft above land-surface datum. Prior to March 1983 top of shelf was considered 3.60 ft above land-surface datum. See REMARKS.
REMARKS.--On December 11, 2002, the well was re-leveled and the land-surface datum was found to be 23.95 ft above National Geodetic Vertical Datum of 1929. A -0.69 ft correction has been applied to daily maximum values data prior to October 1, 2001, available in the files of the U.S. Geological Survey. The station has been reconstructed on March 9, 1978, March 19, 1983, January 3, 1985 and March 15, 2001. See DATUM.
PERIOD OF RECORD.--December 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 26.19 ft NGVD (present datum) Nov. 13, 1975 and Apr. 1-4, 1980; lowest, 1.20 ft below NGVD, June 19, 2000 (present datum).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.62	11.96	10.05	10.60	9.99	8.47	5.59	3.48	2.58	4.15	6.48	8.52
10	11.60	11.63	10.48	10.59	9.65	7.66	5.58	3.21	2.52	4.62	6.76	8.78
15	11.45	11.94	10.13	10.40	9.63	7.44	5.32	2.43	2.79	4.73	6.99	9.07
20	11.13	11.16	10.34	10.52	9.06	7.33	5.71	2.79	3.10	4.84	6.77	9.36
25	11.26	10.16	10.22	10.44	9.17	6.82	5.00	3.26	3.32	6.03	7.22	9.65
EOM	12.16	10.34	10.53	10.23	8.78	6.32	4.02	2.81	3.90	6.81	7.87	9.87
MAX	12.16	11.96	10.63	10.66	10.25	8.71	6.47	3.68	3.90	---	7.87	9.87



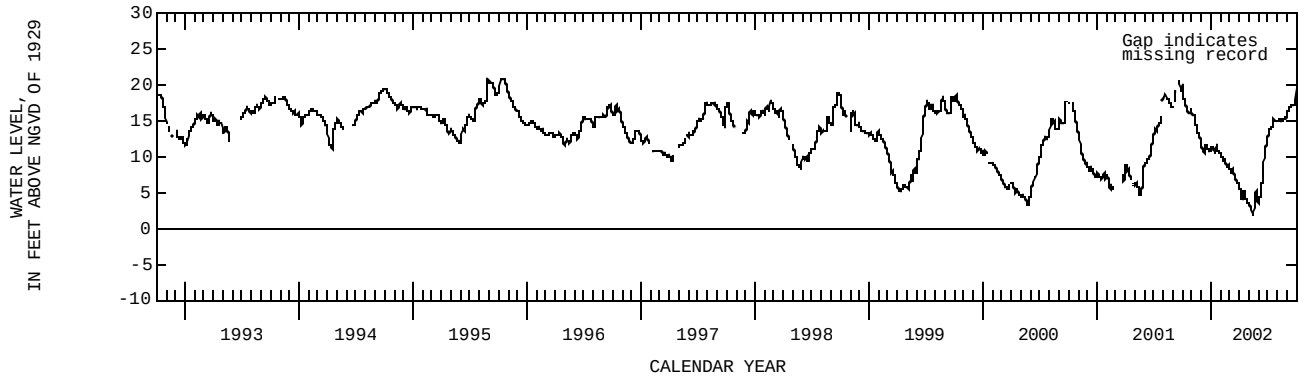
LEE COUNTY--Continued

WELL NUMBER.--263251081452802. Local Number L 1994.

LOCATION.--Lat 26°32'52", long 81°45'37", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 2 mi east of intersection of U.S. Interstate 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 24.06 ft above National Geodetic Vertical Datum of 1929. Prior to October 2001, land-surface datum was considered to be 24.75 ft NGVD. Measuring point: Top of recorder shelf, 2.87 ft above land-surface datum. Prior to May 10, 2000, top of shelf was 3.77 ft above land-surface datum. Prior to July 27, 1981, top of shelf was 3.75 ft above land-surface datum, but was considered 3.80 ft above datum. Prior to March 10, 1978, top of shelf was 3.80 ft above land-surface datum. See REMARKS.
REMARKS.--On December 11, 2002, the well was releveled and land-surface datum was found to be 23.95 ft above National Geodetic Vertical Datum of 1929. A -0.69 ft correction has been applied to daily maximum values data prior to October 1, 2001, available in the files of the U.S. Geological Survey. See DATUM. The station has been reconstructed on March 9, 1978, July 27, 1981 and May 9, 2000.
PERIOD OF RECORD.--December 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.46 ft NGVD, Oct. 7, 1975 (present datum); lowest, 3.26 ft NGVD, Apr. 30, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.03	15.68	10.93	11.45	10.03	7.83	4.88	3.09	4.27	13.66	14.98	16.71
10	17.61	15.14	11.05	10.75	9.47	8.38	4.08	2.36	5.68	14.02	15.26	16.95
15	16.51	13.92	11.64	10.96	9.59	7.45	5.20	1.60	7.49	14.19	15.05	17.36
20	15.90	13.34	11.24	11.24	8.81	7.07	4.41	4.09	9.84	15.15	15.00	17.11
25	16.15	12.71	10.76	10.85	8.92	6.30	3.95	5.09	11.31	---	15.36	17.50
EOM	15.98	11.50	10.94	10.50	8.22	5.72	3.26	3.61	12.41	---	16.11	19.39
MAX	19.06	15.91	11.64	11.63	10.31	8.38	5.68	5.09	12.41	---	16.11	19.39



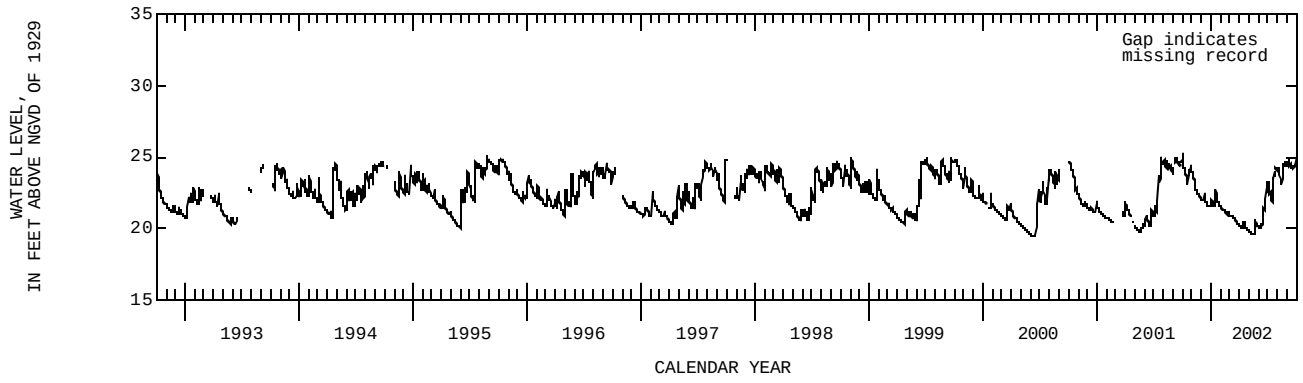
LEE COUNTY--Continued

WELL NUMBER.--263251081452803. Local Number L 1995.

LOCATION.--Lat 26°32'52", long 81°45'37", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 2 mi east of intersection of U.S. Interstate 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 23.94 ft above National Geodetic Vertical Datum of 1929. Prior to October 1, 2001, land-surface datum was considered to be 24.64 ft NGVD. Measuring point: Top of recorder shelf, 3.93 ft above land-surface datum. Prior to December 19, 1983, top of shelf was 3.94 ft above land-surface datum. Prior to May 1981, top of shelf was 4.00 ft above land-surface datum. See REMARKS.
REMARKS.--On December 11, 2002, the well was releveled and the land-surface datum was found to be 23.94 ft above National Geodetic Vertical Datum of 1929. A -0.70 ft correction has been applied to daily maximum values data prior to October 1, 2001, available in the files of the U.S. Geological Survey. See DATUM. The station has been reconstructed on March 9, 1978, May 15, 1981, and December 16, 1983.
PERIOD OF RECORD.--January 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.05 ft NGVD, Aug. 25, 1995 (present datum); lowest, 17.86 ft NGVD, Mar. 30, 1990 (present datum).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.24	23.82	21.89	21.78	21.34	20.84	20.18	19.77	20.05	22.73	24.14	24.82
10	23.95	22.97	22.28	21.57	21.24	20.80	20.06	19.65	20.31	22.52	23.47	24.37
15	23.38	22.66	21.83	22.71	21.13	20.69	20.46	19.55	21.19	21.88	22.93	24.29
20	24.02	22.41	21.69	22.01	21.01	20.57	20.21	20.60	21.46	23.36	24.49	24.36
25	24.28	22.22	21.63	21.76	21.08	20.42	19.99	20.35	22.05	---	24.39	24.32
EOM	24.00	22.05	22.03	21.49	20.94	20.29	19.88	20.22	22.39	---	24.46	24.91
MAX	25.20	23.94	22.36	22.71	21.46	20.92	20.48	20.60	22.91	---	24.68	24.91



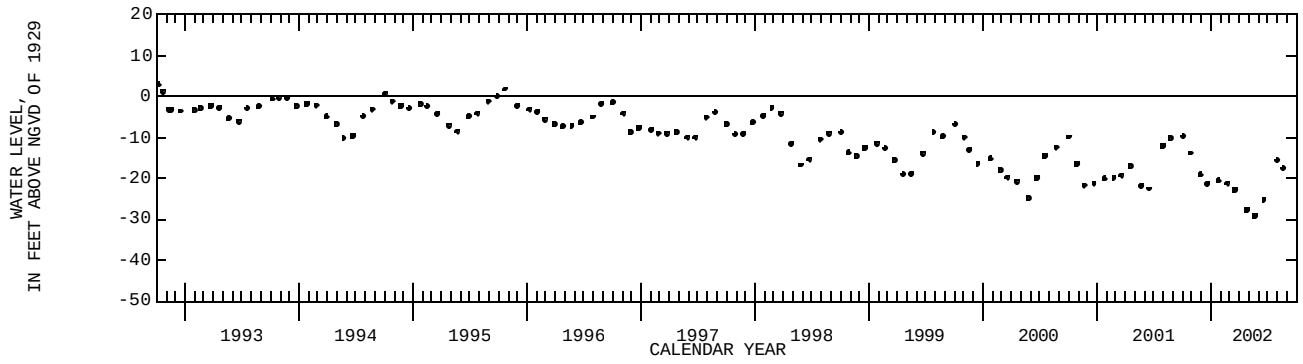
LEE COUNTY--Continued

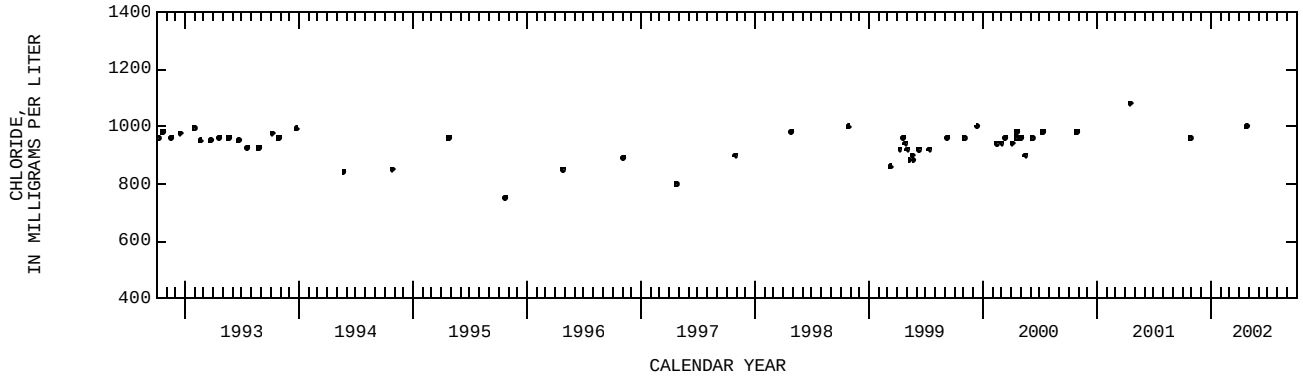
WELL NUMBER.--263253082014201. Local Number L 2643.

LOCATION.--Lat 26°32'56", long 82°01'50", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ 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, 29.15 ft below NGVD, May 21, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1521	--	--	-9.80
25...	1540	3710	960	-13.82
NOV				
26...	1400	--	--	-19.13
DEC				
20...	1343	--	--	-21.42
JAN				
24...	1612	--	--	-20.55
FEB				
22...	1404	--	--	-21.26
MAR				
19...	1429	--	--	-22.96
APR				
26...	1111	3680	1000	-27.76
MAY				
21...	1538	--	--	-29.15
JUN				
19...	1305	--	--	-25.28
AUG				
02...	1052	--	--	-15.70
21...	1241	--	--	-17.59





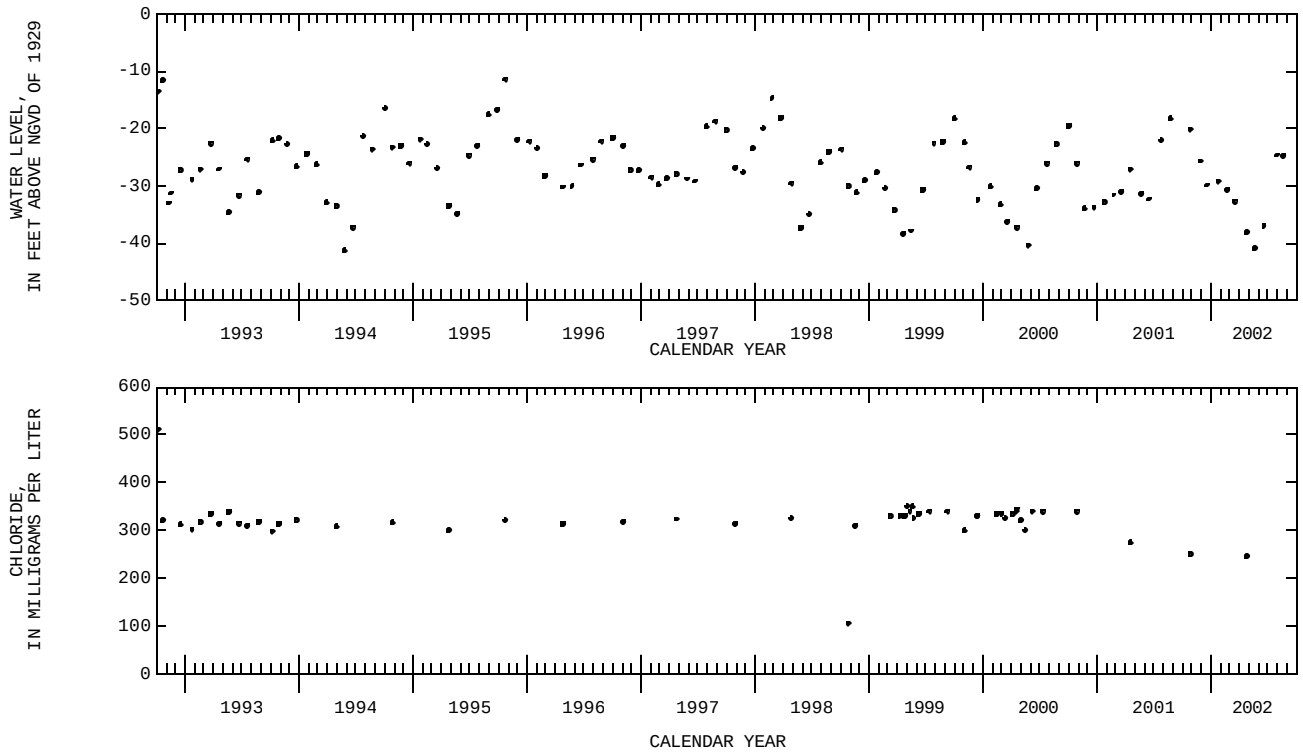
LEE COUNTY--Continued

WELL NUMBER.--263257081585701. Local Number L 2642.

LOCATION.--Lat 26°32'58", long 81°58'56", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
25...	1518	1450	250	-20.15	26...	1137	1450	245	-38.22
NOV					MAY				
26...	1411	--	--	-25.68	21...	1552	--	--	-40.98
DEC					JUN				
20...	1354	--	--	-29.88	19...	1326	--	--	-37.06
JAN					AUG				
24...	1625	--	--	-29.22	02...	0946	--	--	-24.64
FEB					21...	1334	--	--	-24.79
22...	1415	--	--	-30.76					
MAR									
19...	1438	--	--	-32.75					



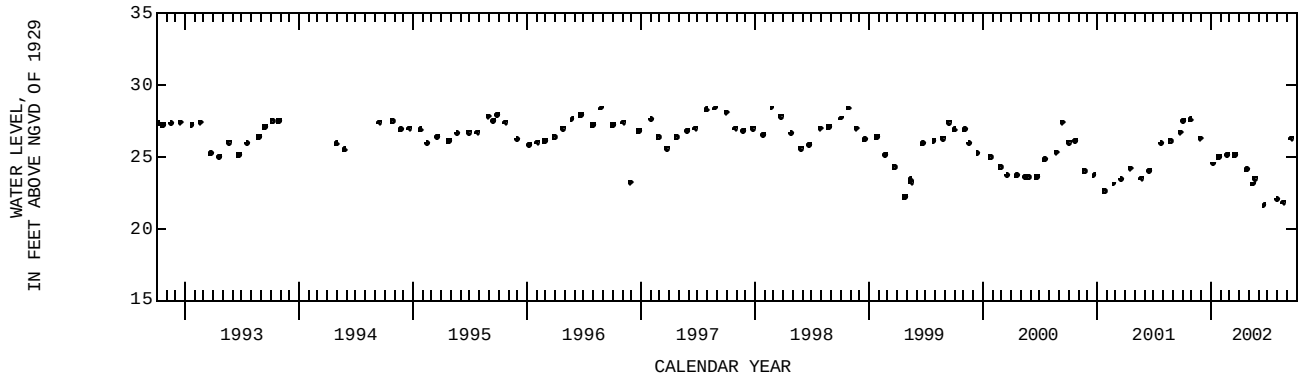
LEE COUNTY--Continued

WELL NUMBER.--263307081555901. Local Number L 2435.

LOCATION.--Lat 26°34'07", long 81°55'59", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 10 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, 21.6 ft NGVD, June 19, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
05...	1102	27.50	26...	1349	24.10
25...	1421	27.60	MAY		
NOV			14...	1026	23.10
26...	1451	26.30	21...	1613	23.50
JAN			JUN		
09...	1257	24.50	19...	1439	21.60
25...	1548	25.00	AUG		
FEB			02...	1146	22.00
22...	1446	25.10	21...	1417	21.80
MAR			SEP		
19...	1508	25.10	16...	0859	26.30



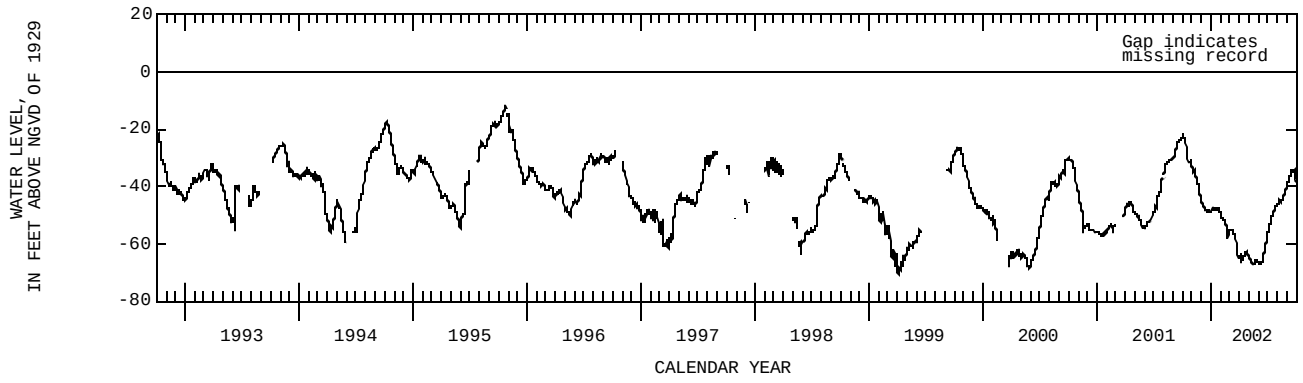
LEE COUNTY--Continued

WELL NUMBER.--263323081522401. Local Number L 742.

LOCATION.--Lat 26°33'26", long 81°52'24", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.14, T.45 S., R.24 E., Hydrologic Unit 03090205, 175 ft north of College Parkway, 0.1 mi west of U.S. Highway 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.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-23.13	-34.57	-46.74	-47.76	-50.89	-55.46	-63.36	-65.59	-67.08	-53.80	-45.91	-37.82
10	-24.03	-35.21	-48.02	-48.14	-51.72	-56.00	-65.91	-66.20	-66.62	-52.54	-45.10	-36.66
15	-29.20	-37.77	-48.45	-48.13	-52.51	-56.45	-64.50	-67.35	-64.74	-50.49	-45.03	-35.05
20	-31.83	-39.39	-49.14	-47.85	-53.90	-57.44	-62.68	-66.90	-63.04	-48.60	-43.77	-35.85
25	-31.75	-42.35	-48.77	-47.64	-56.38	-63.71	-63.21	-65.94	-60.12	-47.91	-41.94	-36.47
EOM	-32.85	-44.72	-49.60	-49.73	-56.43	-65.13	-64.50	-66.35	-56.79	-46.19	-39.78	-38.26
MAX	-22.02	-33.39	-44.70	-47.24	-49.43	-55.22	-62.68	-64.69	-56.79	-46.19	-39.76	-34.53



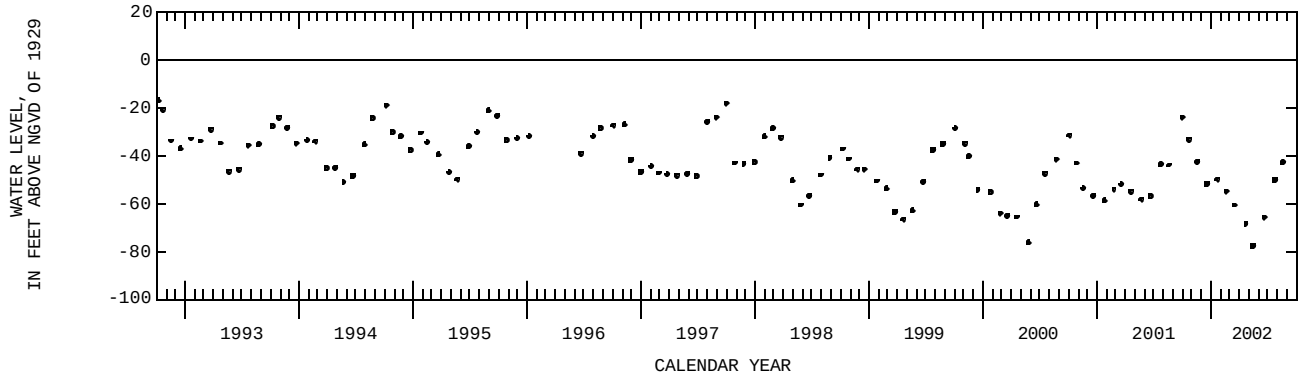
LEE COUNTY--Continued

WELL NUMBER.--263327081512001. Local Number L 1121.

LOCATION.--Lat 26°33'28", long 81°51'19", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 March 1971 (semiannual), May 1973 to April 1974 (annual), May 1975 to April 1978 (semiannual), June 1978 to August 1979 (intermittent), May 1985 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.20 ft NGVD, Oct. 20, 1970; lowest, 77.70 ft below NGVD, May 15, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
01...	1521	-23.93	22...	1530	-68.71
22...	1440	-33.02	MAY		
NOV			15...	1203	-77.70
19...	1334	-42.47	JUN		
DEC			20...	1258	-65.69
17...	1354	-51.71	JUL		
JAN			24...	0801	-50.24
22...	1551	-49.93	AUG		
FEB			19...	1559	-42.93
19...	1736	-54.98			
MAR					
15...	0852	-60.63			



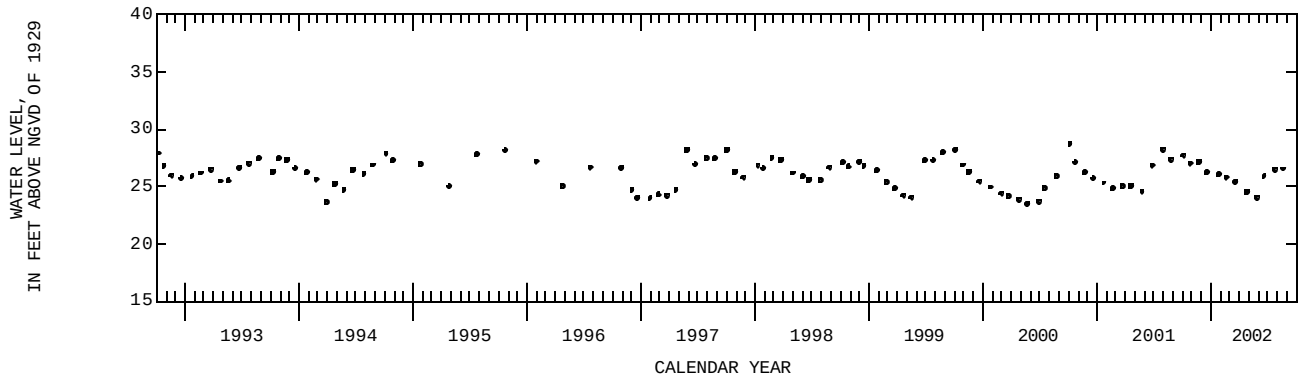
LEE COUNTY--Continued

WELL NUMBER.--263329081394301. Local Number L 2204.

LOCATION.--Lat 26°33'32", long 81°39'43", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0947	27.70	25...	1008	24.54
25...	0925	27.01	MAY		
NOV			28...	0925	24.07
23...	0857	27.15	JUN		
DEC			19...	1419	25.83
17...	1615	26.20	JUL		
JAN			25...	1000	26.50
25...	0820	26.05	AUG		
FEB			20...	1334	26.52
19...	1610	25.78			
MAR					
20...	1442	25.37			



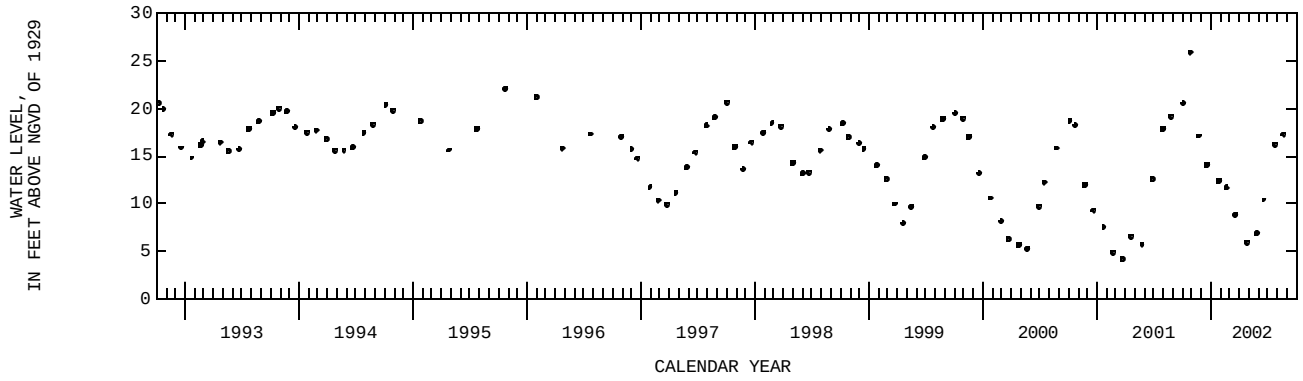
LEE COUNTY--Continued

WELL NUMBER.--263329081394302. Local Number L 1625.

LOCATION.--Lat 26°33'32", long 81°39'43", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0946	20.48	25...	1005	5.98
25...	0917	25.86	MAY		
NOV			28...	0922	6.86
23...	0854	17.10	JUN		
DEC			19...	1418	10.41
17...	1613	14.08	JUL		
JAN			25...	1003	16.23
25...	0813	12.37	AUG		
FEB			20...	1332	17.25
19...	1606	11.68			
MAR					
20...	1439	8.83			



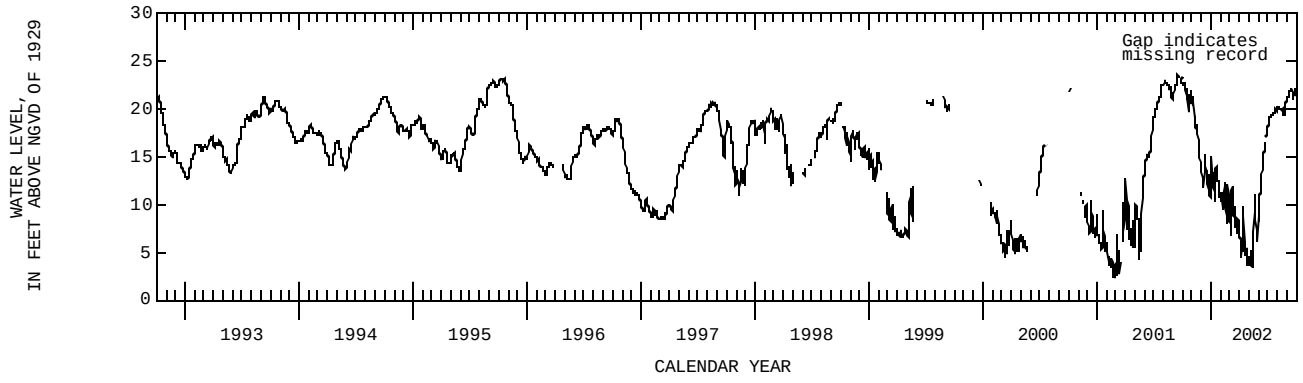
LEE COUNTY--Continued

WELL NUMBER.--263335081394301. Local Number L 729.

LOCATION.--Lat 26°33'37", long 81°39'43", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at northwest corner of intersection of State Road 82 and Alabama Road, 56 ft west of Alabama Road and 215 ft north of State Road 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.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.46	20.58	12.17	11.76	9.60	6.69	5.30	3.89	10.99	18.96	20.13	21.61
10	22.28	17.92	14.31	11.21	10.88	10.47	5.91	3.95	12.64	19.30	20.10	21.82
15	21.44	17.91	13.31	13.64	10.76	8.65	8.63	4.97	14.19	19.30	19.96	22.01
20	20.58	16.69	13.00	12.61	7.95	7.36	4.69	10.81	15.79	19.62	19.73	21.48
25	21.48	14.67	12.62	11.86	10.03	6.74	5.21	7.26	17.03	19.84	19.08	21.90
EOM	21.15	13.51	13.80	10.48	8.28	6.79	3.76	8.63	17.95	20.18	21.05	22.08
MAX	---	21.25	15.17	14.96	12.24	11.91	9.81	10.96	---	20.18	21.05	22.08



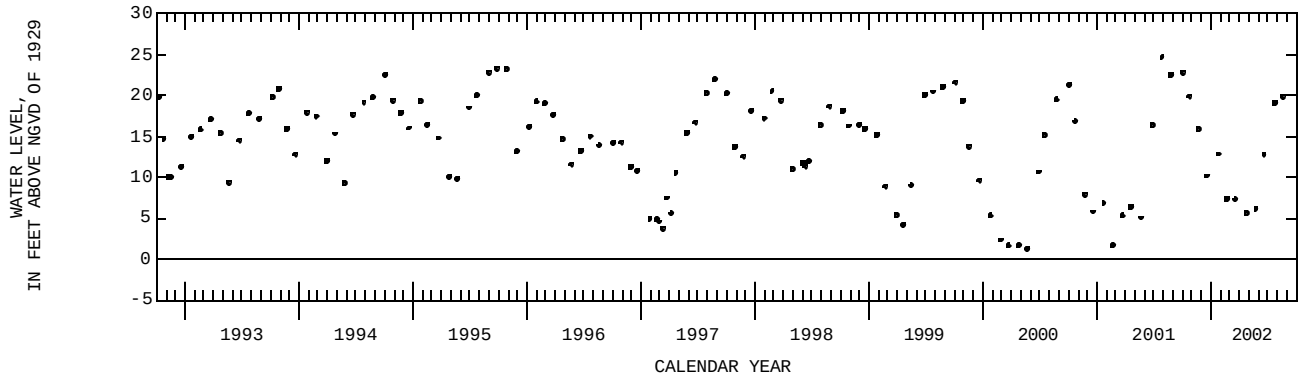
LEE COUNTY--Continued

WELL NUMBER.--263344081361701. Local Number L 1963.

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.--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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1535	22.81	24...	1520	5.61
24...	1455	19.85	MAY		
NOV			24...	1430	6.14
21...	1450	15.88	JUN		
DEC			19...	1221	12.78
19...	1417	10.16	JUL		
JAN			25...	1140	19.07
24...	1458	12.84	AUG		
FEB			19...	1520	19.89
21...	1356	7.31			
MAR					
20...	1306	7.26			



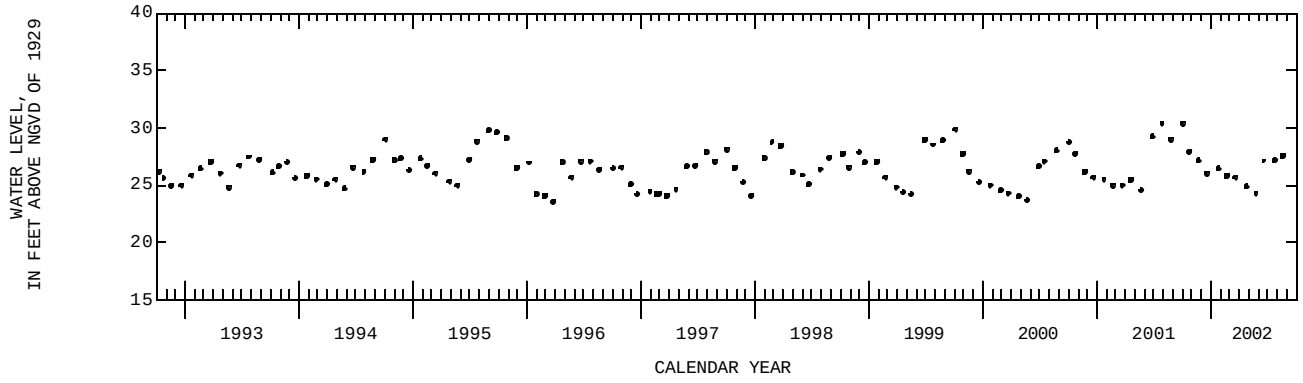
LEE COUNTY--Continued

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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1340	30.37	24...	1522	24.87
24...	1456	27.90	MAY		
NOV			24...	1432	24.27
21...	1452	27.15	JUN		
DEC			19...	1225	27.10
19...	1419	26.04	JUL		
JAN			25...	1140	27.12
24...	1502	26.42	AUG		
FEB			19...	1522	27.56
21...	1400	25.81			
MAR					
20...	1310	25.66			



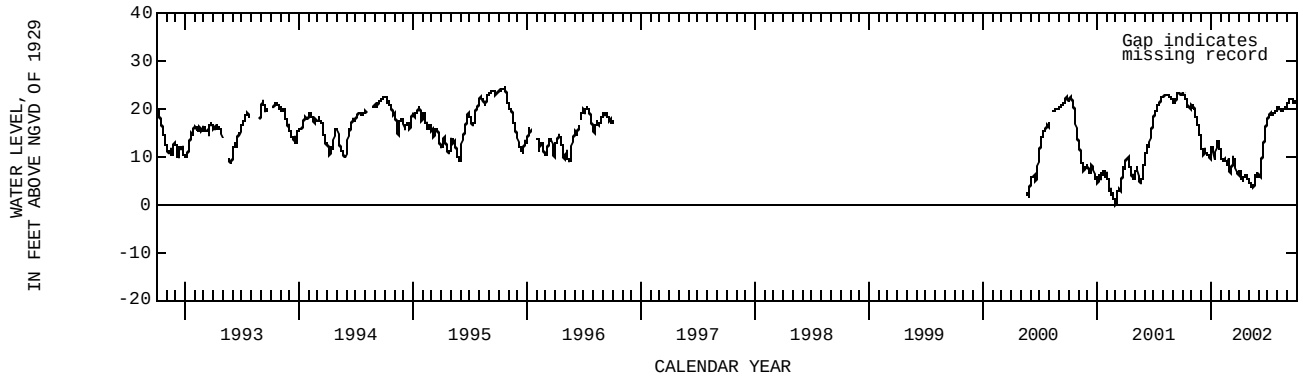
LEE COUNTY--Continued

WELL NUMBER.--263344081361703. Local Number L 2186.

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 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.93	20.25	11.36	11.75	9.34	6.67	5.82	4.53	6.18	18.65	20.01	21.50
10	22.82	19.16	11.44	9.04	9.01	8.93	5.15	3.71	8.55	19.05	19.89	22.08
15	21.29	17.60	10.84	10.76	9.26	9.45	5.61	3.92	10.99	18.65	19.56	21.94
20	20.26	16.85	10.56	12.84	8.57	8.07	5.82	5.60	13.61	19.14	19.83	21.46
25	19.93	14.75	10.28	12.88	9.42	6.24	5.71	6.30	16.22	19.43	19.72	21.36
EOM	20.68	12.23	11.00	11.09	8.31	6.84	5.54	5.81	17.51	20.05	20.69	21.72
MAX	---	20.63	12.18	13.29	10.87	9.99	7.16	6.67	17.51	20.05	20.69	22.08



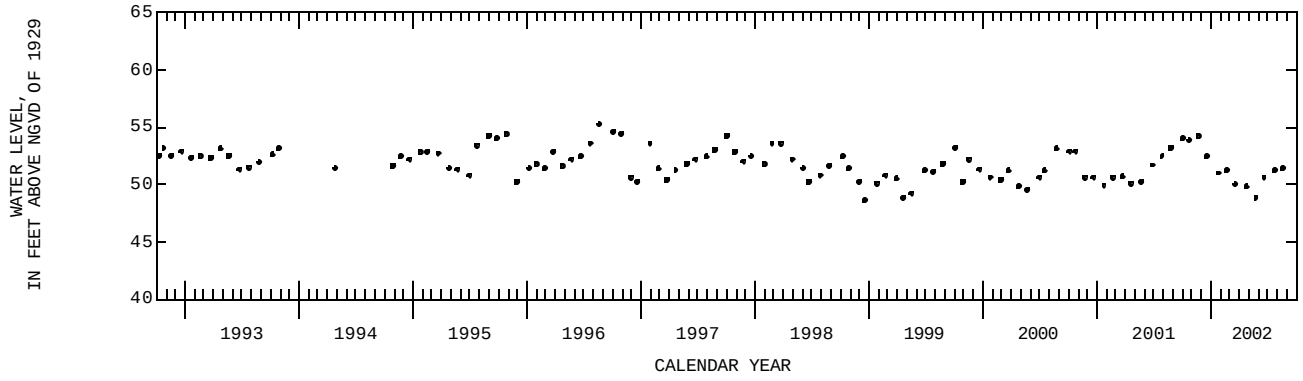
LEE COUNTY--Continued

WELL NUMBER.--263344081361704. Local Number L 2311.

LOCATION.--Lat 26°33'45", long 81°36'16", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1545	54.00	24...	1516	49.80
24...	1502	53.80	MAY		
NOV			24...	1435	48.80
21...	1453	54.20	JUN		
DEC			19...	1228	50.60
19...	1422	52.40	JUL		
JAN			25...	1144	51.20
24...	1504	51.00	AUG		
FEB			19...	1519	51.40
21...	1354	51.20			
MAR					
20...	1300	50.00			



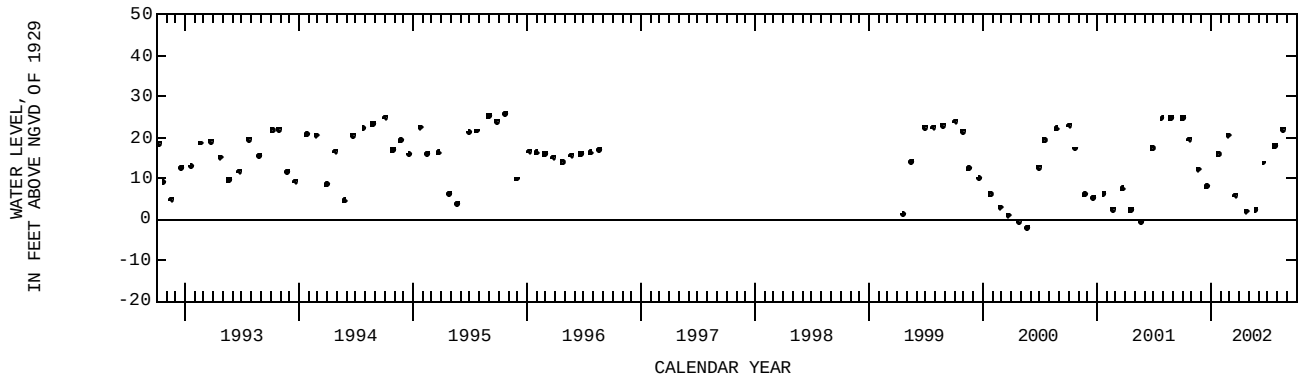
LEE COUNTY--Continued

WELL NUMBER.--263353081335801. Local Number L 1965.

LOCATION.--Lat 26°33'53", long 81°33'58", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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, screened 50 to 83 ft, screened 127 to 137 ft, 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1521	24.74	24...	1503	1.93
24...	1427	19.47	MAY		
NOV			24...	1402	2.24
21...	1441	12.22	JUN		
DEC			19...	1152	13.71
19...	1403	7.89	JUL		
JAN			25...	1207	17.84
24...	1440	15.99	AUG		
FEB			19...	1500	21.91
24...	1337	20.41			
MAR					
20...	1251	5.83			



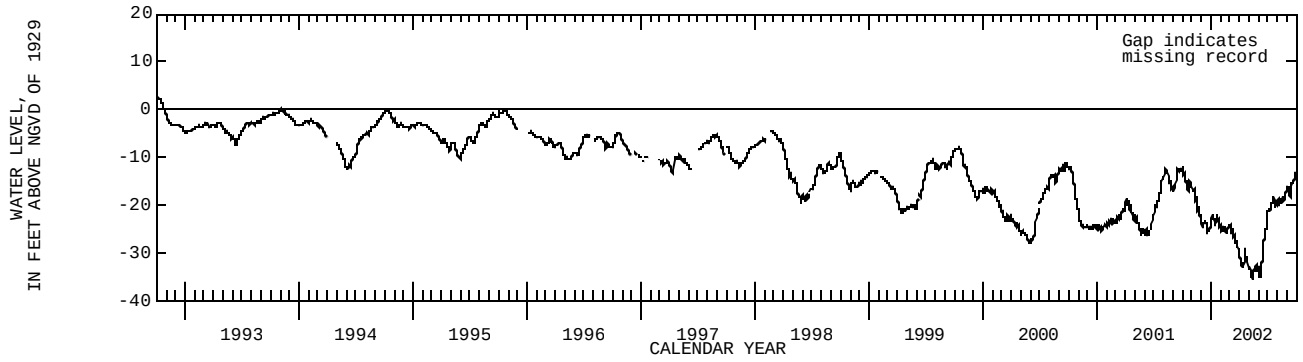
LEE COUNTY--Continued

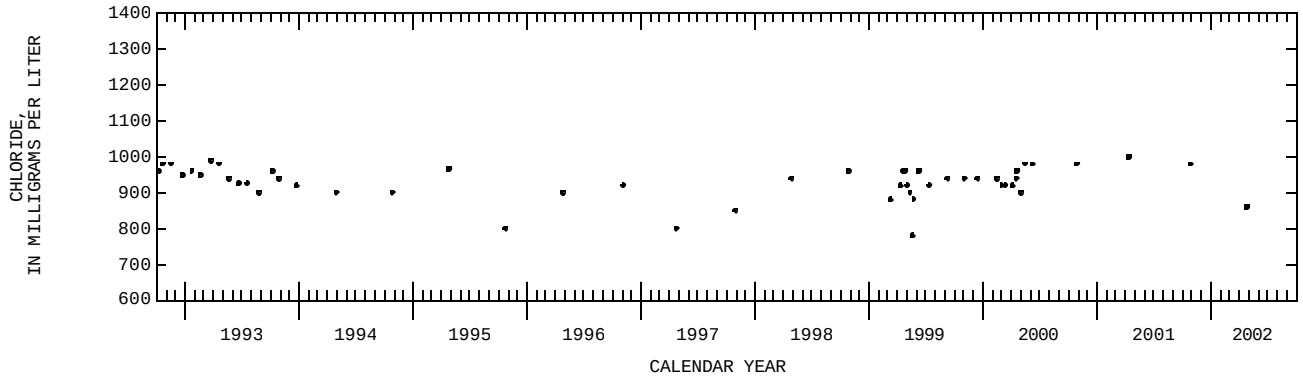
WELL NUMBER.--263440082022001. Local Number L 2644.

LOCATION.--Lat 26°34'43", long 82°02'15", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 122 HTRNN. (Corrected).
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, 35.76 ft below NGVD, May 12, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-13.52	-17.47	-24.68	-22.04	-25.18	-25.57	-31.32	-33.80	-34.94	-21.08	-19.70	-17.07
10	-13.76	-17.66	-24.05	-23.60	-25.30	-25.64	-32.73	-35.17	-32.55	-20.89	-18.67	-17.92
15	-16.50	-19.43	-23.70	-23.03	-24.76	-26.40	-32.81	-35.04	-28.95	-19.42	-19.50	-15.67
20	-16.62	-20.63	-26.07	-23.07	-25.64	-27.60	-29.03	-33.00	-26.51	-18.42	-18.93	-15.43
25	-15.45	-21.95	-25.32	-23.37	-24.20	-29.19	-31.93	-32.51	-24.97	-20.68	-17.69	-14.07
EOM	-16.08	-22.91	-24.21	-24.55	-24.89	-30.38	-33.30	-33.26	-21.90	-19.10	-16.34	-13.68
MAX	-12.07	-16.81	-22.71	-22.04	-23.98	-24.21	-29.03	-32.51	-21.90	-18.42	-16.34	-13.45





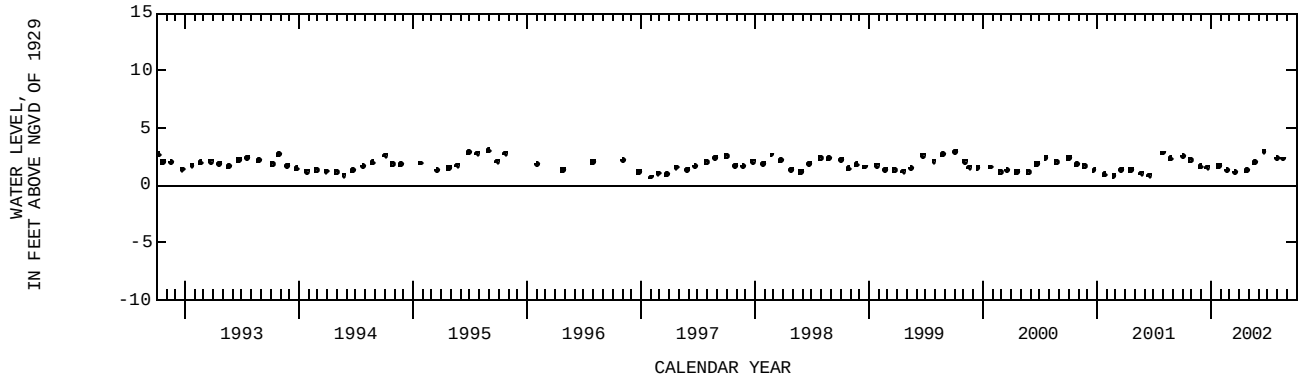
LEE COUNTY--Continued

WELL NUMBER.--263440082022002. Local Number L 3207.

LOCATION.--Lat 26'34'43", long 82'02'15", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
05...	1350	2.47	20...	1224	1.10
26...	1119	2.21	APR		
NOV			26...	1058	1.27
26...	1342	1.61	MAY		
DEC			21...	1530	1.98
20...	1300	1.53	JUN		
JAN			19...	1248	2.94
25...	1457	1.69	AUG		
FEB			02...	1106	2.32
22...	1242	1.24	21...	1224	2.28



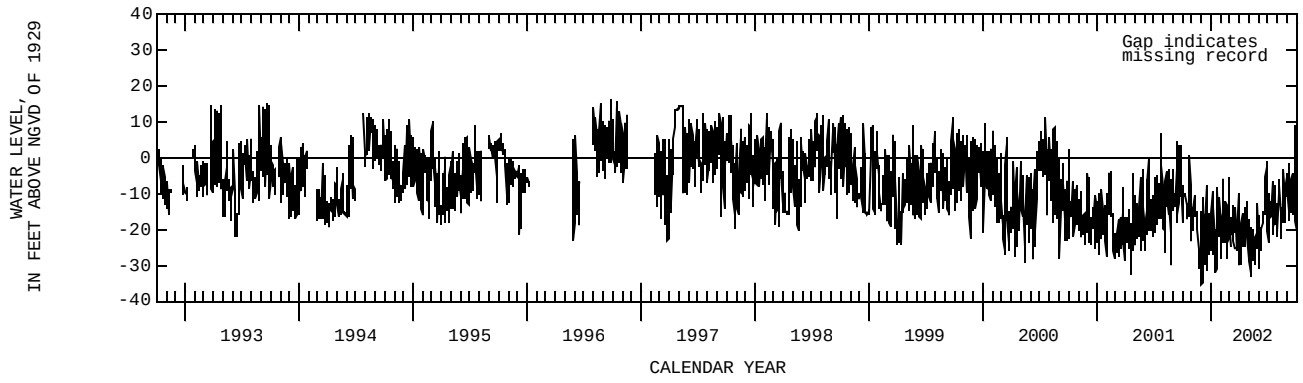
LEE COUNTY

WELL NUMBER.--263526082010201. Local Number L 2434.

LOCATION.--Lat 26°35'26", long 82°01'02", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ 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. 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; lowest, 35.20 ft below NGVD, Dec. 2, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-11.40	-14.04	-17.88	-12.32	-15.60	-17.20	-23.96	-32.31	-20.07	-10.95	-6.21	-18.02
10	-10.57	-13.86	-20.09	-22.30	-23.68	-20.12	-15.93	-24.42	-19.61	-15.94	-15.49	-6.49
15	-14.92	-17.32	-7.85	-32.27	-13.79	-25.60	-21.14	-23.67	-15.76	-6.85	-16.10	-13.77
20	-12.50	-25.70	-31.97	-8.97	-25.18	-21.08	-21.62	-25.95	-14.72	-19.40	-3.48	-6.80
25	-8.03	-31.45	-26.25	-21.26	-19.33	-22.05	-12.62	-21.55	-5.46	-7.81	-13.43	7.21
EOM	-18.45	-31.61	-26.22	-16.69	-13.83	-30.07	-28.30	-24.61	-14.07	-20.23	-9.76	-20.73
MAX	0.71	-10.95	-7.85	-8.38	-5.86	---	-12.39	-12.81	-1.38	-6.85	-3.48	9.06



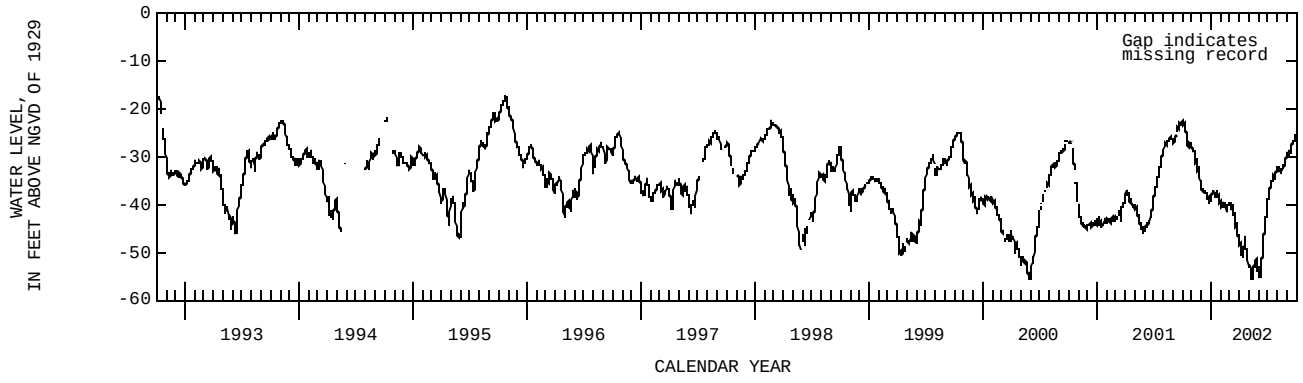
LEE COUNTY--Continued

WELL NUMBER.--263532081592201. Local Number L 581.

LOCATION.--Lat 26°35'32", long 81°59'21", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 with pressure transducer.
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, 55.88 ft below NGVD, May 12, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-23.29	-29.40	-36.82	-37.16	-40.17	-40.78	-48.63	-53.63	-55.26	-37.75	-33.09	-29.98
10	-24.12	-29.53	-37.56	-38.02	-40.33	-41.27	-50.73	-55.04	-52.62	-36.12	-32.54	-29.37
15	-27.12	-31.38	-37.42	-38.14	-39.93	-42.06	-49.63	-55.09	-48.32	-34.97	-33.60	-27.67
20	-27.62	-32.63	-39.12	-37.99	-41.07	-44.02	-46.96	-52.13	-45.04	-34.00	-32.27	-26.92
25	-27.39	-34.74	-39.46	-38.36	-39.82	-46.65	-50.38	-51.29	-42.76	-34.91	-31.03	-26.12
EOM	-27.78	-35.67	-38.92	-40.16	-40.19	-47.68	-52.79	-53.66	-39.59	-32.44	-29.29	-26.09
MAX	-22.71	-28.22	-35.44	-37.16	-39.27	-39.51	-46.96	-51.29	-39.59	-32.44	-29.29	-25.49



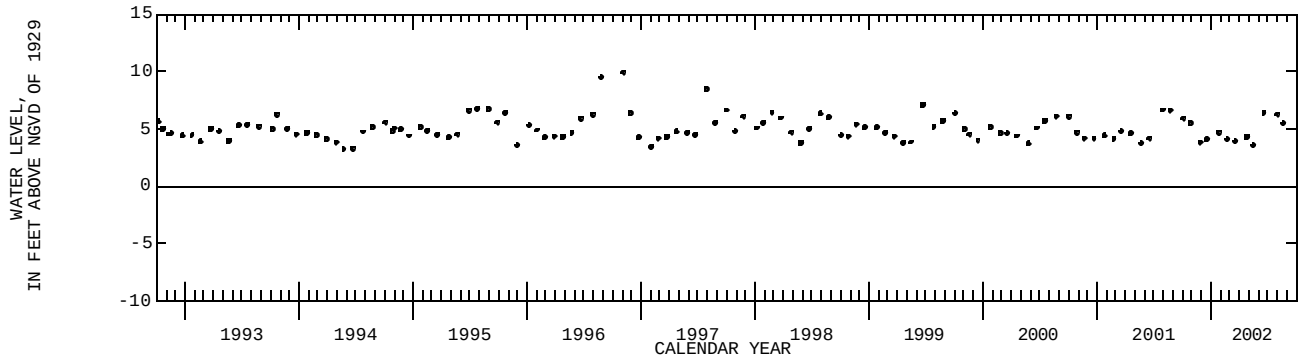
LEE COUNTY--Continued

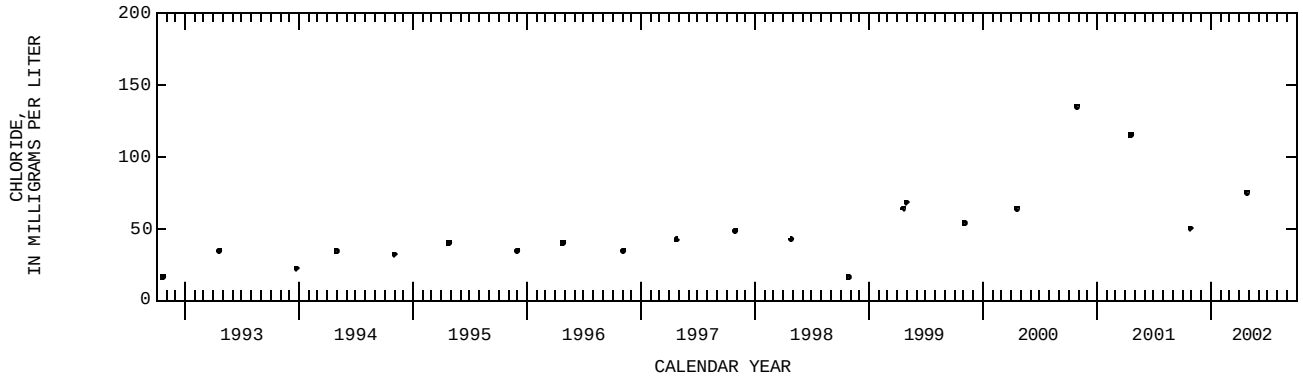
WELL NUMBER.--263532081592202. Local Number L 1136.

LOCATION.--Lat 26°35'32", long 81°59'21", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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.
ISTRUMENTATION.--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 2001 TO SEPTEMBER 2002

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					MAR				
05...	1458	--	--	5.90	20...	0914	--	--	3.87
26...	0901	822	50.0	5.52	APR				
NOV					26...	0915	842	75.0	4.26
26...	1253	--	--	3.79	MAY				
DEC					16...	1459	--	--	3.55
18...	1156	--	--	4.06	JUN				
JAN					19...	1042	--	--	6.36
25...	1346	--	--	4.67	AUG				
FEB					01...	1017	--	--	6.24
22...	1245	--	--	4.06	21...	1059	--	--	5.47





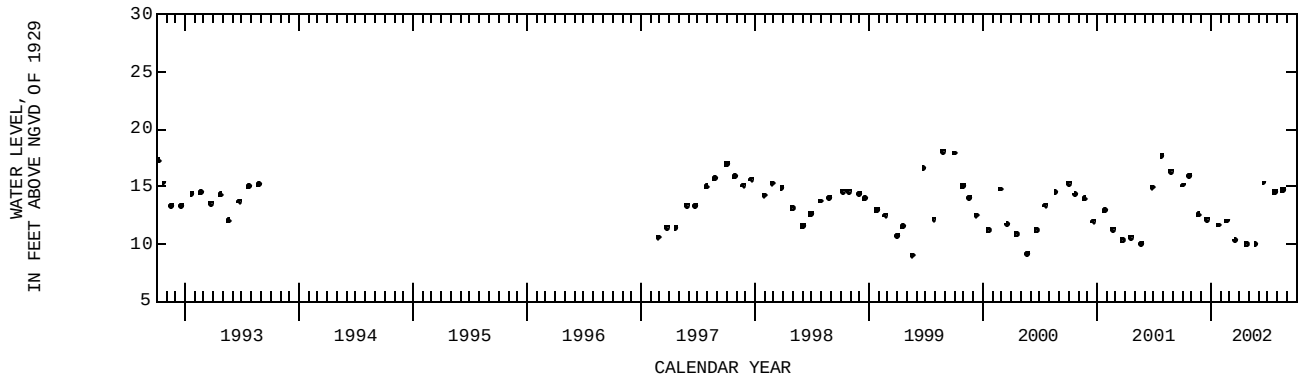
LEE COUNTY--Continued

WELL NUMBER.--263630081375301. Local Number L 1418.

LOCATION.--Lat 26°36'31", long 81°37'51", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 flange, 1.81 ft above land-surface datum.
REMARKS.--Water levels affected by pumping at 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0912	15.12	24...	1554	9.98
24...	1527	15.94	MAY		
NOV			24...	1524	9.92
21...	1507	12.54	JUN		
DEC			19...	1330	15.30
19...	1534	12.15	JUL		
JAN			25...	1039	14.54
24...	1612	11.64	AUG		
FEB			19...	1619	14.66
21...	1518	11.99			
MAR					
20...	1354	10.26			



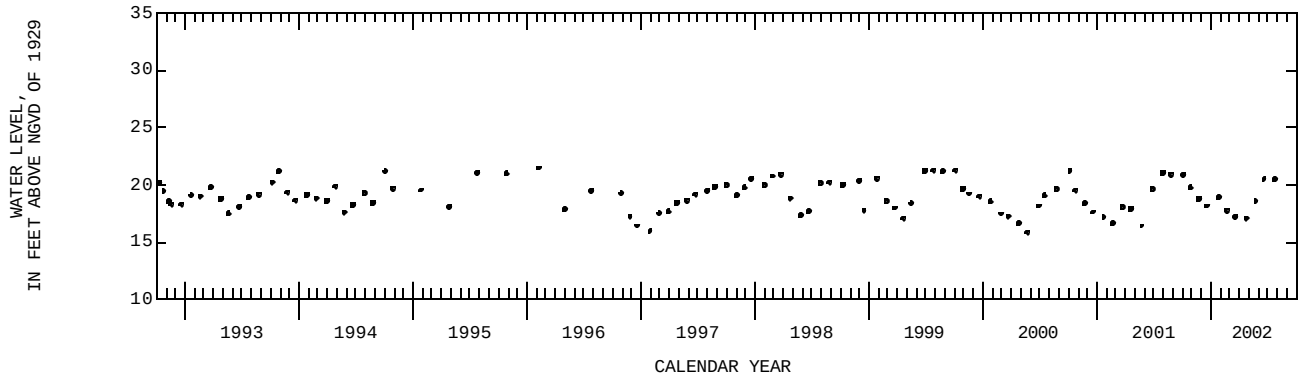
LEE COUNTY--Continued

WELL NUMBER.--263712081461201. Local Number L 728.

LOCATION.--Lat 26°37'13", long 81°46'10", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.25, T.44 S., R.25 E., Hydrologic Unit 03090204, 40 ft east of State Road 82 and 0.2 mi north of County Road 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.--Electronic data logger. Monthly measurement with chalked tape prior to August 2002.
DATUM.--Land-surface datum is 21.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.29 ft above land-surface datum. Prior to August 2002, the top of casing was 1.60 ft above land-surface datum. See REMARKS.
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey. In the 2002 water year the instrumentation changed to an electronic data logger from a tape down well. The height of the measuring point was changed as part of the station construction. See DATUM.
PERIOD OF RECORD.--July 1968 to February 1972 (bimonthly), March 1972 to September 1994 (monthly), October 1994 to July 1996 (quarterly), October 1996 to July 2002 (monthly), August 2002 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAR		
04...	1009	20.83	20...	1507	17.17
25...	1015	19.74	APR		
NOV			24...	1618	17.06
23...	0932	18.75	MAY		
DEC			24...	1548	18.54
17...	1637	18.15	JUN		
JAN			19...	1450	20.47
25...	0846	18.86	JUL		
FEB			24...	1530	20.44
21...	1538	17.77			



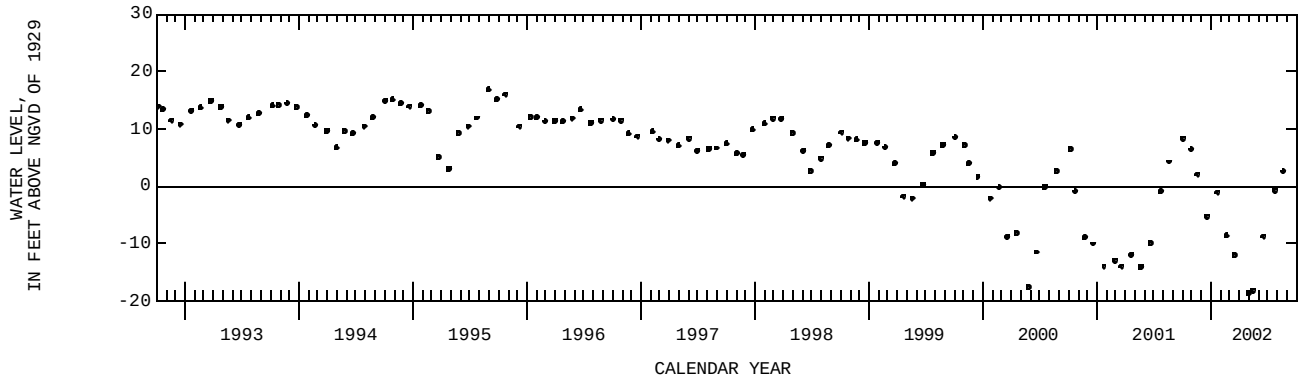
LEE COUNTY--Continued

WELL NUMBER.--263718081485001. Local Number L 1973.

LOCATION.--Lat 26°37'19", long 81°48'50", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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, 18.60 ft below NGVD, Apr. 30, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0756	8.28	30...	0850	-18.60
30...	1320	6.31	MAY		
NOV			15...	1309	-18.15
19...	1440	2.02	JUN		
DEC			17...	1345	-8.72
17...	1422	-5.31	JUL		
JAN			25...	1401	-.74
22...	1622	-1.09	AUG		
FEB			21...	1652	2.52
19...	1800	-8.69			
MAR					
15...	1515	-11.96			



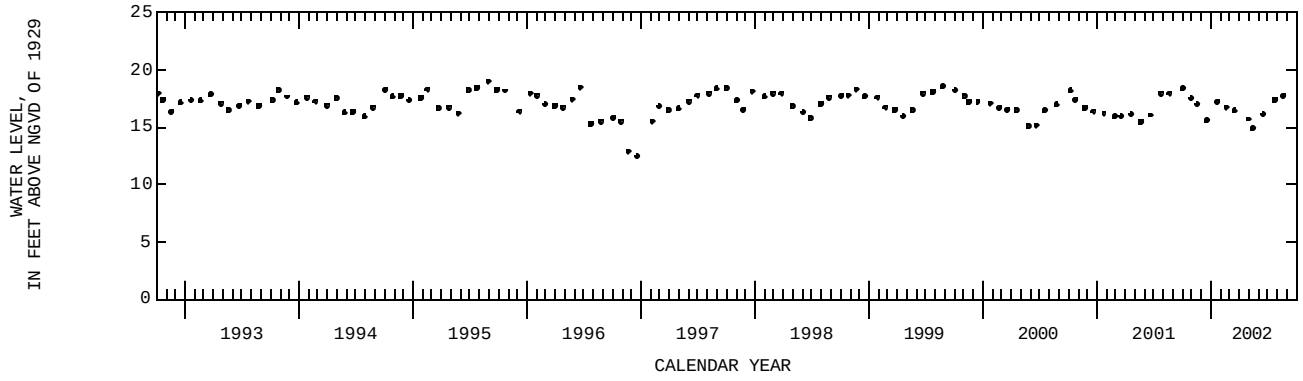
LEE COUNTY--Continued

WELL NUMBER.--263718081485002. Local Number L 1974.

LOCATION.--Lat 26°37'19", long 81°48'50", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0743	18.35	30...	0854	15.70
29...	1222	17.49	MAY		
NOV			15...	1313	14.88
19...	1436	16.96	JUN		
DEC			17...	1348	16.11
17...	1416	15.58	JUL		
JAN			25...	1403	17.39
22...	1616	17.19	AUG		
FEB			21...	1649	17.69
19...	1755	16.70			
MAR					
15...	1516	16.42			



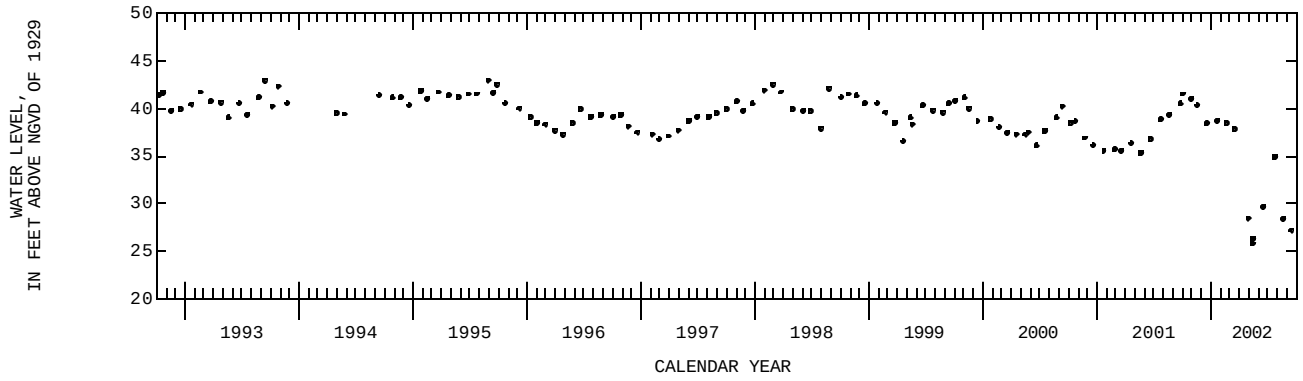
LEE COUNTY--Continued

WELL NUMBER.--263718081485003. Local Number L 2292.

LOCATION.--Lat 26°37'19", long 81°48'50", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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, 25.8 ft NGVD, May 15, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0745	41.50	30...	0844	28.50
29...	1221	41.00	MAY		
NOV			14...	1418	26.30
19...	1437	40.30	15...	1308	25.80
DEC			JUN		
17...	1419	38.40	17...	1347	29.70
JAN			JUL		
22...	1618	38.70	25...	1458	34.90
FEB			AUG		
19...	1756	38.50	21...	1644	28.40
MAR			SEP		
15...	1514	37.80	16...	1401	27.20



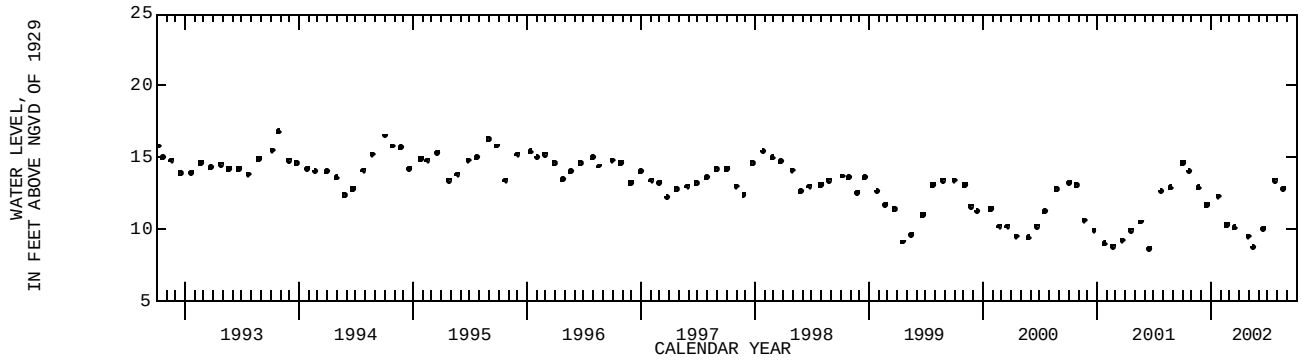
LEE COUNTY--Continued

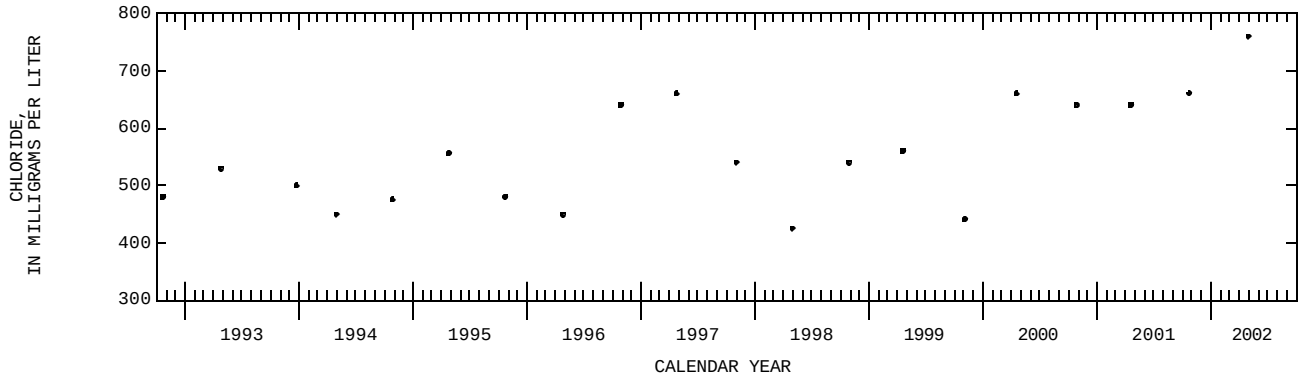
WELL NUMBER.--263743082041201. Local Number L 2645.

LOCATION.--Lat 26°37'42", long 82°04'14", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
02...	1255	--	--	14.60
24...	1437	2520	660	14.00
NOV				
21...	1427	--	--	12.90
DEC				
18...	1606	--	--	11.70
JAN				
24...	1334	--	--	12.30
FEB				
21...	1543	--	--	10.30
MAR				
15...	1131	--	--	10.10
APR				
29...	1155	2510	760	9.50
MAY				
16...	1217	--	--	8.70
JUN				
17...	0841	--	--	10.00
JUL				
25...	1750	--	--	13.40
AUG				
21...	1104	--	--	12.80





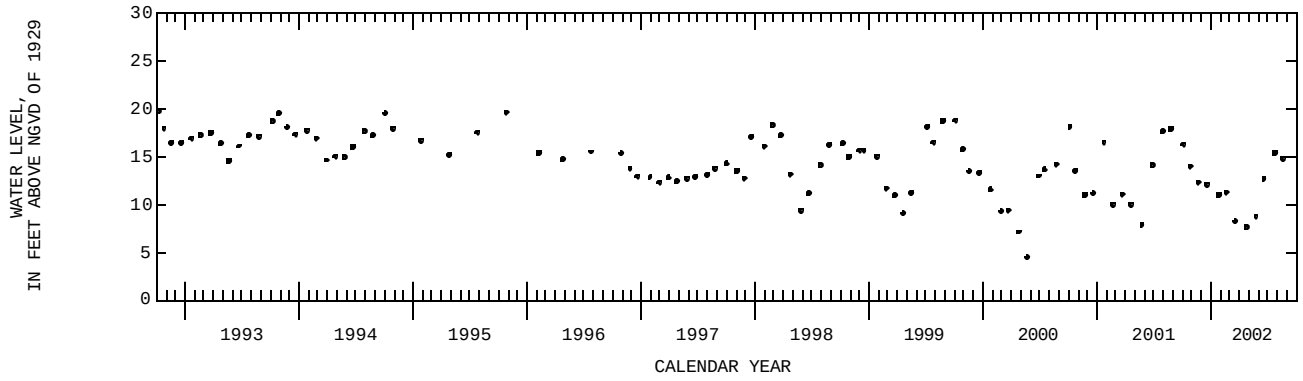
LEE COUNTY--Continued

WELL NUMBER.--263807081430301. Local Number L 1968.

LOCATION.--Lat 26°38'01", long 81°43'02", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 23.13 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 23.68 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.25 ft above land-surface datum. See REMARKS.
REMARKS.--Records of water levels prior to October 1975 are available in files of the U.S. Geological Survey. In the 2002 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.--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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0959	16.28	24...	1609	7.65
25...	0958	13.98	MAY		
NOV			24...	1539	8.77
21...	0921	12.31	JUN		
DEC			19...	1441	12.69
17...	1628	12.12	JUL		
JAN			24...	1448	15.39
25...	0835	11.02	AUG		
FEB			19...	1635	14.81
19...	1623	11.28			
MAR					
20...	1456	8.21			



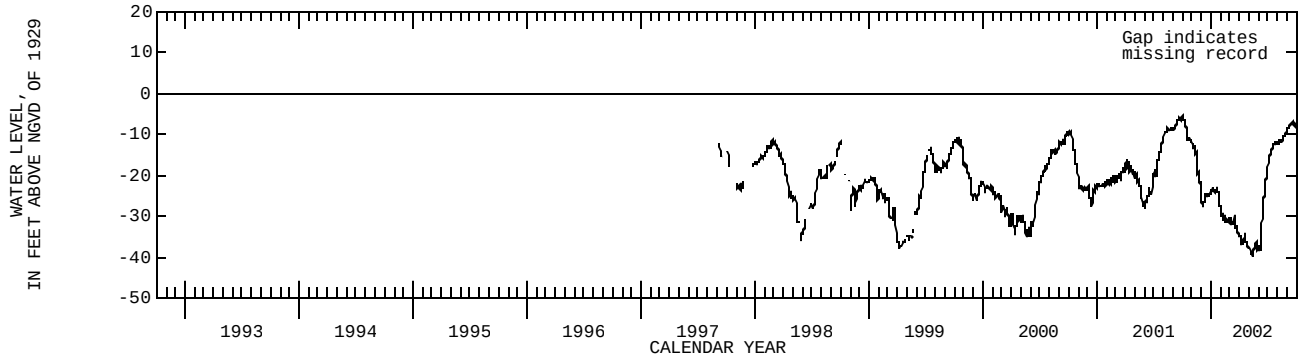
LEE COUNTY--Continued

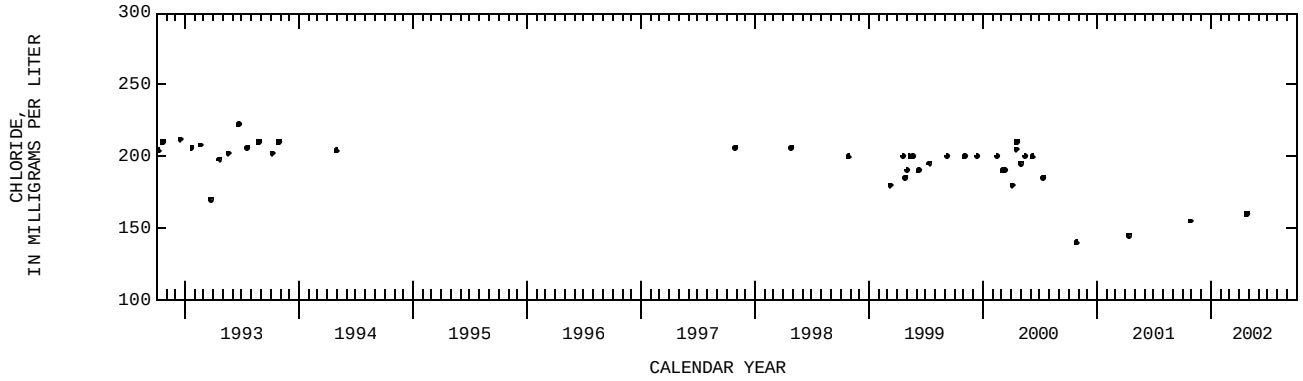
WELL NUMBER.--263813081552801. Local Number L 2640.

LOCATION.--Lat 26°38'08", long 81°55'27", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-6.30	-13.29	-26.56	-23.10	-29.78	-31.59	-35.33	-38.45	-38.18	-15.76	-12.44	-8.07
10	-7.11	-13.56	-25.42	-24.23	-30.72	-32.35	-36.63	-39.31	-33.65	-14.91	-11.35	-7.72
15	-10.26	-15.36	-24.34	-23.67	-30.08	-29.98	-35.77	-39.00	-28.10	-13.37	-11.74	-7.19
20	-11.37	-19.37	-25.48	-23.89	-31.04	-31.32	-34.50	-37.21	-24.37	-12.10	-10.61	-7.62
25	-11.64	-21.55	-24.88	-24.26	-30.49	-34.18	-36.83	-36.28	-20.93	-12.50	-9.99	-7.73
EOM	-11.99	-24.88	-24.50	-28.60	-30.97	-35.02	-37.60	-37.47	-18.67	-11.97	-8.78	-7.92
MAX	-5.67	-12.53	-24.05	-23.10	-28.31	-29.92	-34.50	-36.28	-18.67	-11.73	-8.78	-7.16





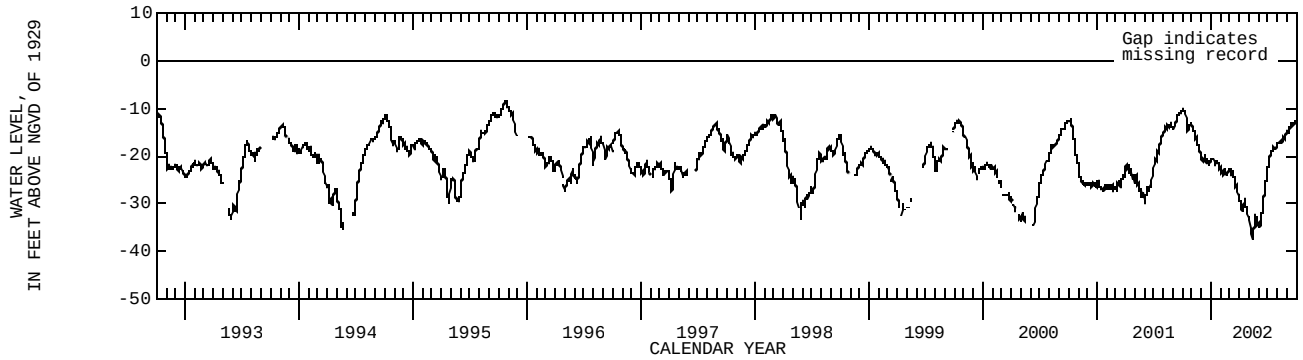
LEE COUNTY--Continued

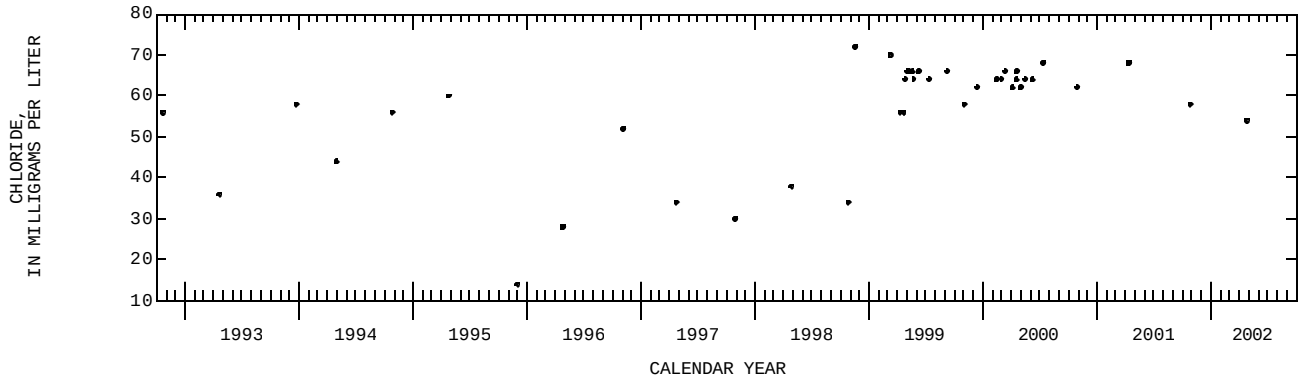
WELL NUMBER.--263819081585801. Local Number L 2701.

LOCATION.--Lat 26°38'19", long 81°58'56", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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, 37.72 ft below NGVD, May 12, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-10.68	-14.50	-20.69	-20.55	-23.06	-23.76	-30.20	-35.09	-34.76	-21.17	-17.48	-14.83
10	-11.20	-15.27	-20.76	-21.36	-23.84	-23.96	-31.52	-36.26	-32.35	-19.67	-16.92	-14.12
15	-13.94	-16.70	-20.69	-20.86	-22.74	-24.40	-30.36	-36.28	-30.44	-18.90	-17.15	-13.06
20	-14.24	-17.51	-21.78	-21.71	-24.00	-25.96	-29.05	-33.02	-27.46	-18.02	-16.14	-13.24
25	-13.53	-18.92	-21.13	-21.68	-22.84	-27.72	-31.71	-32.81	-25.19	-18.93	-16.32	-13.41
EOM	-13.41	-19.59	-21.18	-23.03	-22.92	-29.54	-32.78	-34.08	-23.05	-17.64	-14.61	-12.57
MAX	-10.19	-13.71	-19.75	-20.55	-22.62	-22.66	-29.05	-32.16	-23.05	-17.64	-14.61	-12.57





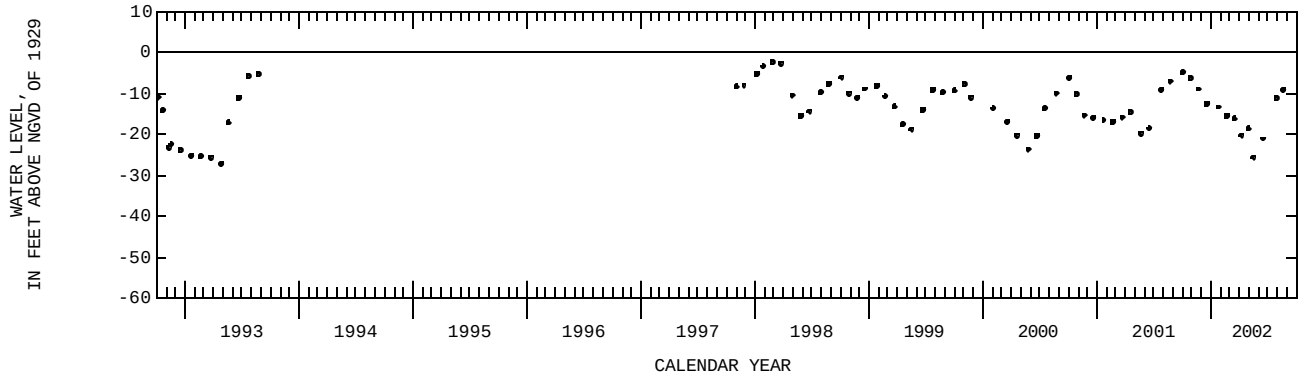
LEE COUNTY--Continued

WELL NUMBER.--263834082005301. Local Number L 781.

LOCATION.--Lat 26°38'36", long 82°00'51", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ sec.16, T.44 S., R.23 E., Hydrologic Unit 03100103, 0.4 mi north of State Road 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. See DATUM.
PERIOD OF RECORD.--June 1966, October 1971 to September, 1996 (daily), October 1997 to current year.
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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1125	-4.85	08...	0823	-20.12
26...	1438	-6.20	29...	1220	-18.56
NOV			MAY		
21...	1533	-8.87	16...	1237	-25.57
DEC			JUN		
18...	1630	-12.47	17...	0828	-21.07
JAN			JUL		
24...	1529	-13.24	29...	0931	-11.08
FEB			AUG		
21...	1603	-15.53	21...	1351	-9.11
MAR					
15...	1151	-16.08			



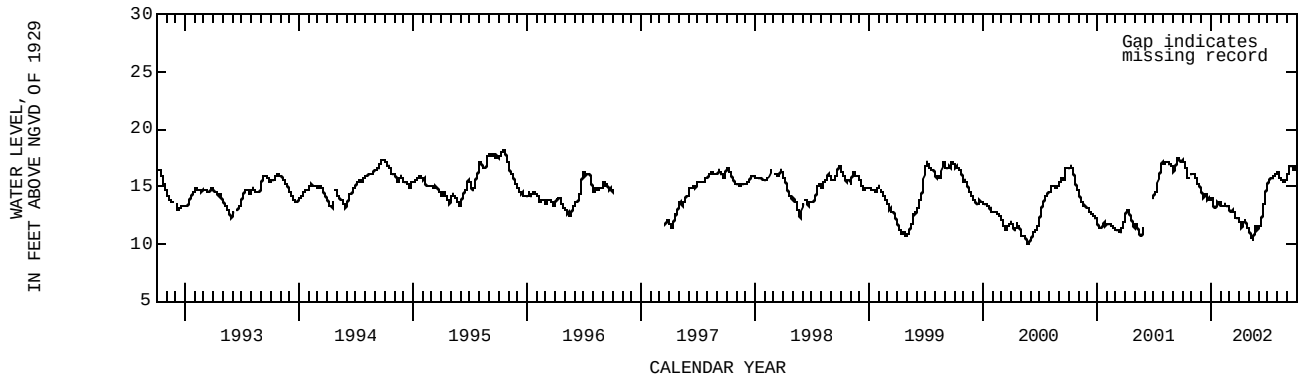
LEE COUNTY--Continued

WELL NUMBER.--263850081365401. Local Number L 727.

LOCATION.--Lat 26°39'50", long 81°35'51", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 20 ft east of Joel Boulevard, 3.1 mi south of intersection of State Road 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.
DATUM.--Land-surface datum is 22.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.80 ft above land-surface datum. Prior to October 2001, land-surface datum was considered to be 21.64 ft above National Geodetic Vertical Datum of 1929 and measuring point was considered to be 2.44 ft above land-surface datum. See REMARKS.
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. In the 2002 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 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.16	16.10	14.23	13.86	13.27	12.63	11.85	10.80	11.59	15.55	16.08	16.57
10	16.80	15.87	14.22	13.09	13.30	12.91	11.47	10.51	12.08	15.66	15.82	16.77
15	16.10	15.60	14.37	13.19	13.39	12.77	11.91	10.25	12.91	15.67	15.49	16.77
20	15.68	15.24	13.93	13.62	13.28	12.39	12.09	11.10	13.72	15.86	15.39	16.48
25	15.91	14.99	13.78	13.67	13.22	12.08	11.59	11.48	14.54	16.11	15.50	16.64
EOM	16.16	14.63	13.81	13.41	13.14	11.99	11.37	11.46	15.04	16.17	15.80	16.73
MAX	---	16.16	14.59	13.95	13.39	12.94	12.11	11.48	15.04	16.17	16.21	16.78



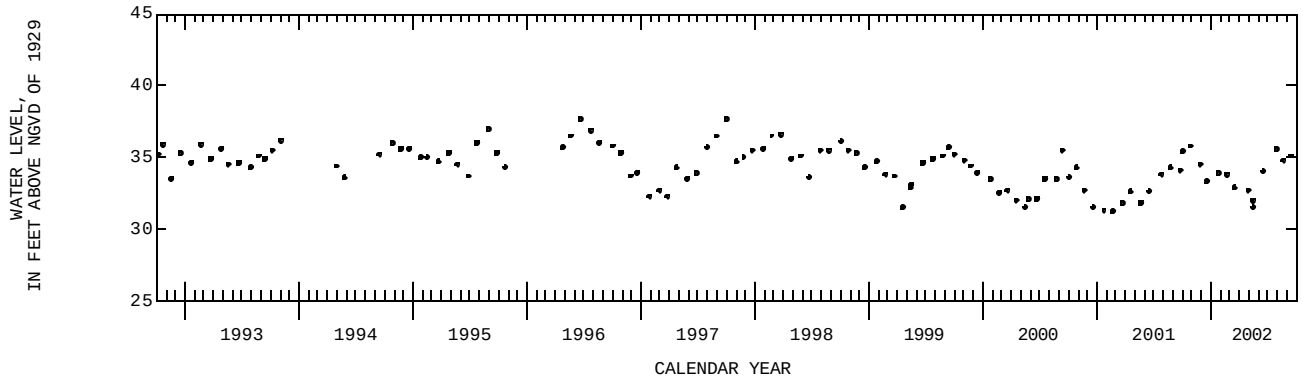
LEE COUNTY--Continued

WELL NUMBER.--263907081592701. Local Number L 2528.

LOCATION.--Lat 26°39'10", long 81°59'25", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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. Prior to October 2000, land-surface datum was considered to be 11.00 ft above NGVD. Prior to October 1995, land-surface datum was 11.96 ft NGVD. Measuring point: Top of 3/4 in. reducer, at land-surface datum. Prior to October 2000, the reducer was considered to be 1.27 ft above land-surface datum. Prior to October 1996, the measuring point was the top of the north side of the meter box, 0.69 ft above land-surface datum. Prior to October 25, 1993, the top of the meter box was 0.78 ft above land-surface datum. Prior to October 1989, top of casing was 2.85 ft above land-surface datum. Prior to October 1987, top of casing was 2.70 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 October 1996 to October 2000 are in error. These figures have not been corrected. Station damaged and reconstructed in 1988, October 1990, October 25, 1993. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1100	35.40	29...	1236	32.70
26...	1417	35.80	MAY		
NOV			15...	0802	32.00
26...	1220	34.50	16...	1250	31.50
DEC			JUN		
17...	1602	33.30	17...	0807	34.00
JAN			JUL		
24...	1546	33.90	29...	0942	35.60
FEB			AUG		
21...	1622	33.80	21...	1409	34.80
MAR			SEP		
15...	1209	32.90	16...	0929	35.10



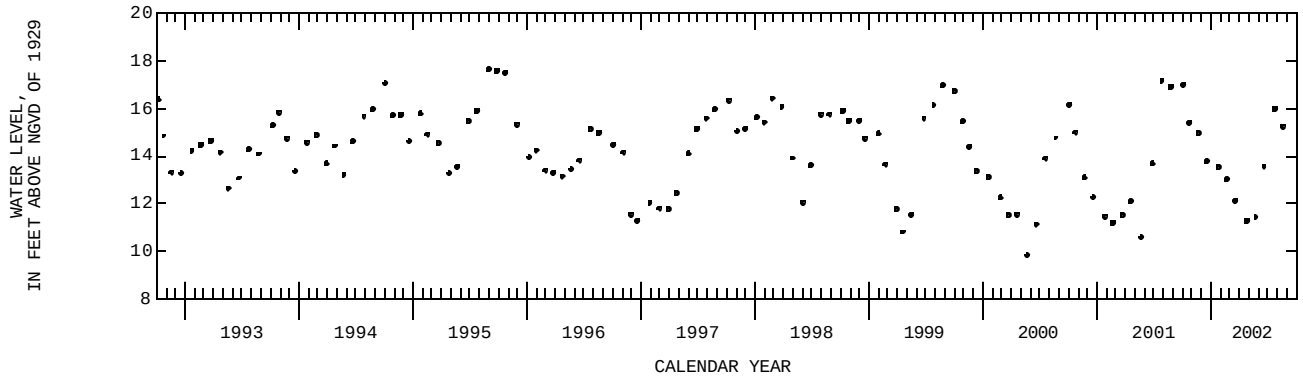
LEE COUNTY--Continued

WELL NUMBER.--263950081355401. Local Number L 2187.

LOCATION.--Lat 26°39'50", long 81°35'51", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 20 ft east of Joel Boulevard, 3.1 mi south of intersection of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0905	16.97	25...	0824	11.29
24...	1545	15.38	MAY		
NOV			24...	1454	11.43
21...	1523	14.98	JUN		
DEC			19...	1254	13.58
19...	1450	13.76	JUL		
JAN			25...	1051	15.98
24...	1539	13.53	AUG		
FEB			19...	1552	15.24
21...	1505	13.01			
MAR					
20...	1333	12.13			



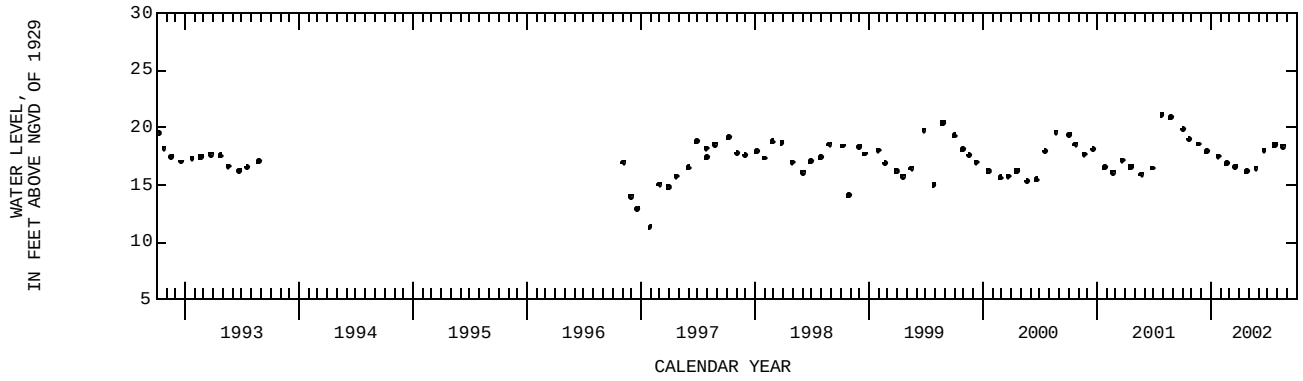
LEE COUNTY--Continued

WELL NUMBER.--263950081355402. Local Number L 1137.

LOCATION.--Lat 26°39'50", long 81°35'51", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 20 ft east of Joel Boulevard, 3.1 mi south of intersection of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
04...	0900	19.83	25...	0827	16.14
24...	1551	18.94	MAY		
NOV			24...	1457	16.44
21...	1537	18.56	JUN		
DEC			19...	1258	18.01
19...	1448	17.88	JUL		
JAN			25...	1049	18.46
24...	1542	17.47	AUG		
FEB			19...	1555	18.37
21...	1503	16.86			
MAR					
20...	1350	16.52			



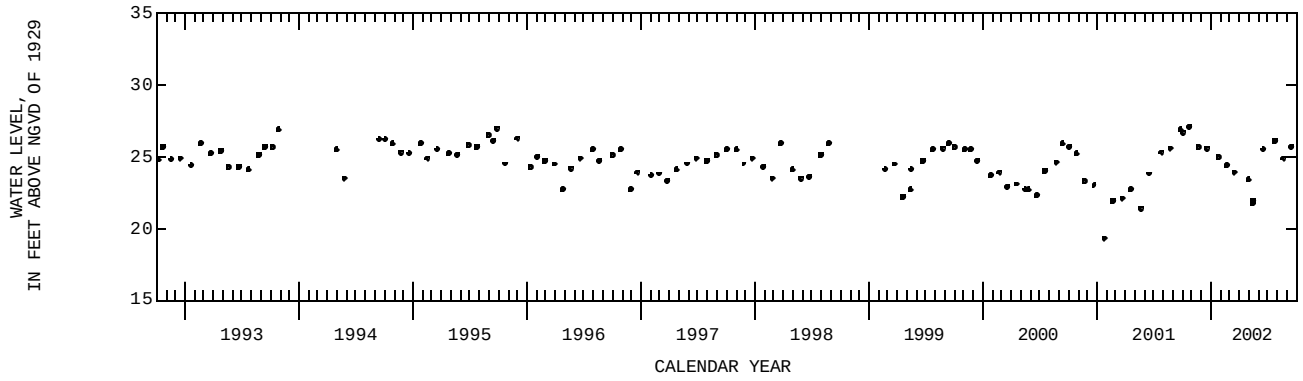
LEE COUNTY--Continued

WELL NUMBER.--263955082083101. Local Number L 2527.

LOCATION.--Lat 26°39'53", long 82°08'31", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, 19 ft west of Stringfellow Road (County Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1211	26.70	29...	1112	23.40
24...	1357	27.10	MAY		
NOV			15...	0828	21.90
21...	1350	25.70	16...	1203	21.70
DEC			JUN		
18...	1527	25.60	17...	0857	25.50
JAN			JUL		
24...	1249	25.00	25...	1712	26.10
FEB			AUG		
21...	1504	24.40	21...	1039	24.90
MAR			SEP		
15...	1055	23.90	16...	0952	25.70



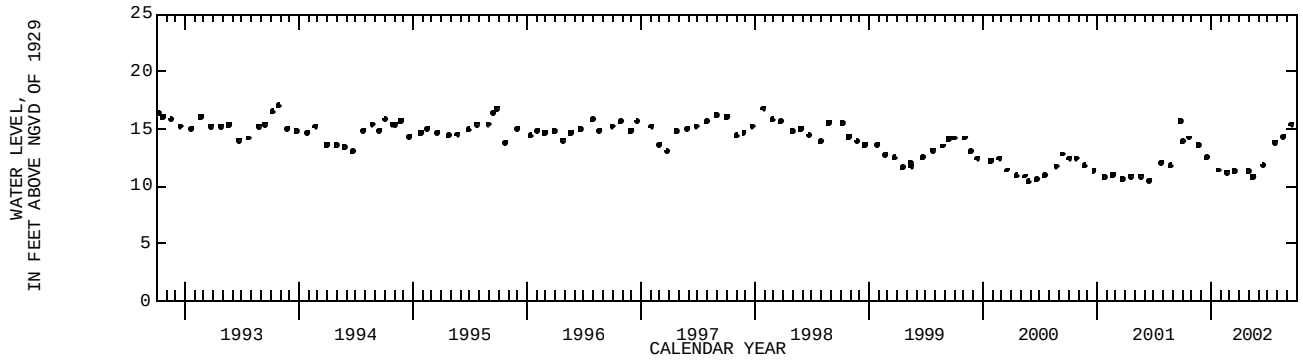
LEE COUNTY--Continued

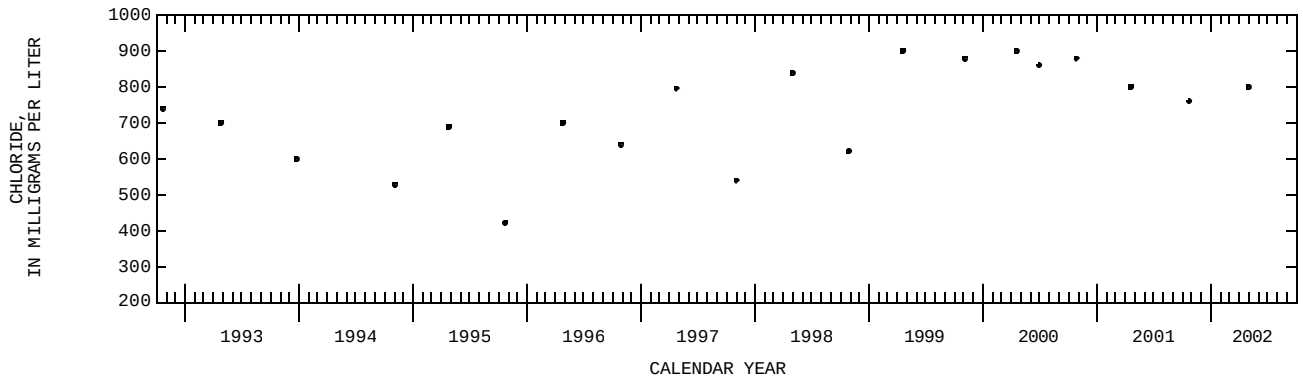
WELL NUMBER.--263955082083102. Local Number L 2820.

LOCATION.--Lat 26°39'53", long 82°08'31", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, 10 ft west of Stringfellow Road (County Road 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 2001 TO SEPTEMBER 2002

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...	1215	--	--	13.90	29...	1117	2770	800	11.30
24...	1354	2720	760	14.20	MAY				
NOV					15...	0826	--	--	10.80
21...	1355	--	--	13.60	16...	1204	--	--	10.80
DEC					JUN				
18...	1527	--	--	12.50	17...	0855	--	--	11.80
JAN					JUL				
24...	1251	--	--	11.40	25...	1714	--	--	13.80
FEB					AUG				
21...	1506	--	--	11.20	21...	1042	--	--	14.30
MAR					SEP				
15...	1057	--	--	11.30	16...	0954	--	--	15.40





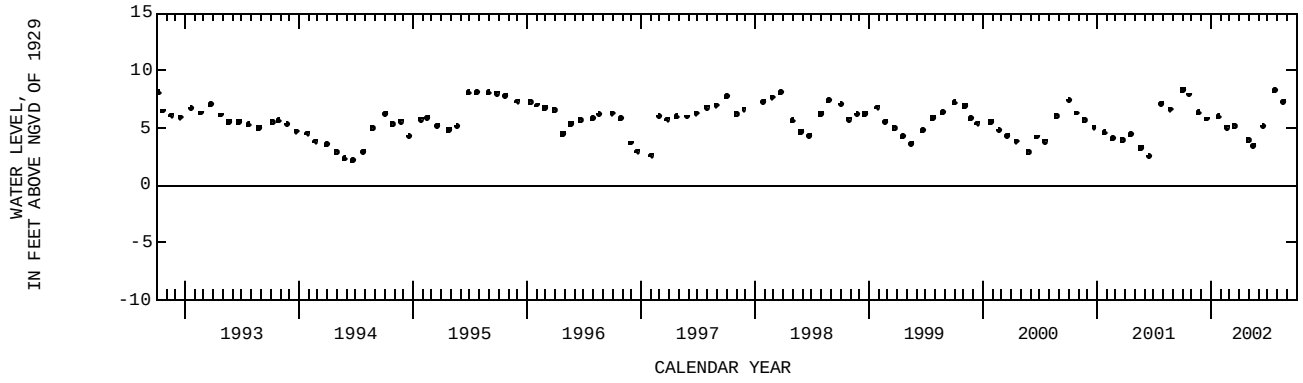
LEE COUNTY--Continued

WELL NUMBER.--263955082083103. Local Number L 2549.

LOCATION.--Lat 26°39'53", long 82°08'31", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, 19 ft west of Stringfellow Road (County Road 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1216	8.28	29...	1114	3.93
24...	1358	7.86	MAY		
NOV			16...	1200	3.40
21...	1353	6.32	JUN		
DEC			17...	0858	5.08
18...	1530	5.76	JUL		
JAN			25...	1711	8.26
24...	1254	5.98	AUG		
FEB			21...	1044	7.25
21...	1505	5.02			
MAR					
15...	1059	5.14			



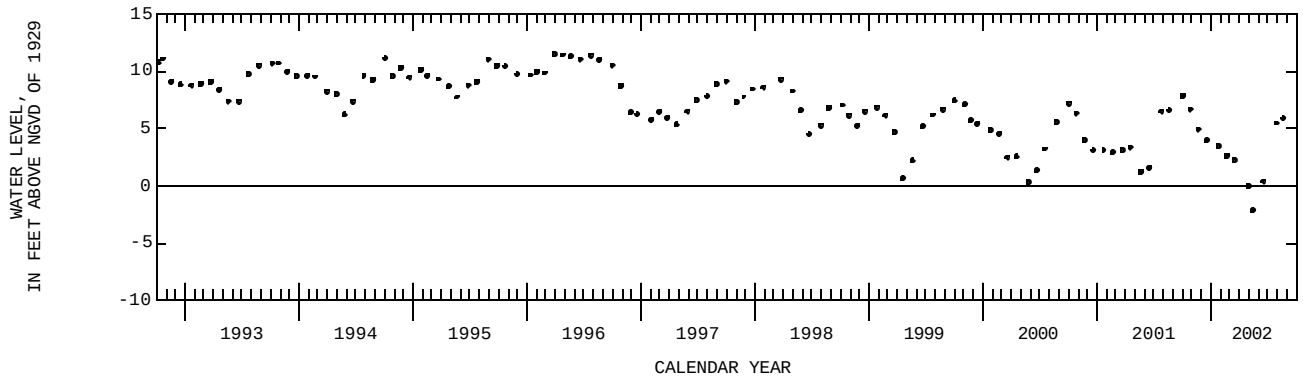
LEE COUNTY--Continued

WELL NUMBER.--264002082012801. Local Number L 2700.

LOCATION.--Lat 26°40'02", long 82°01'29", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 6.46 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 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, 2.18 ft below NGVD, May 15, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1020	7.84	29...	1049	-.03
26...	1513	6.64	MAY		
NOV			15...	1439	-2.18
21...	1508	4.91	JUN		
DEC			17...	1030	.40
17...	1552	3.93	JUL		
JAN			29...	0913	5.47
24...	1510	3.44	AUG		
FEB			21...	1204	5.85
21...	1437	2.61			
MAR					
15...	1342	2.22			



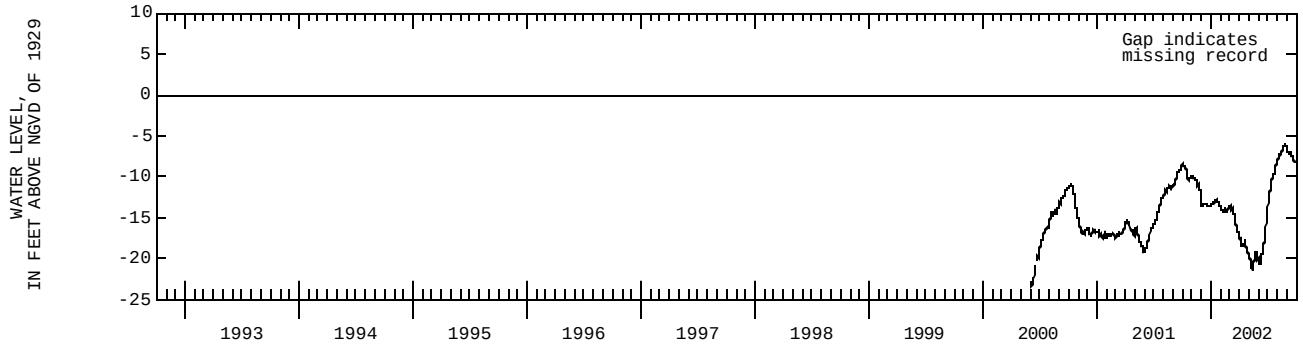
LEE COUNTY--Continued

WELL NUMBER.--264053081572501. Local Number L 4820.

LOCATION.--Lat 26°40'57", long 81°57'25", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 and pressure transducer.
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 for water years 2000 to 2002 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. Conductivity probe discontinued September 30, 2002.
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.

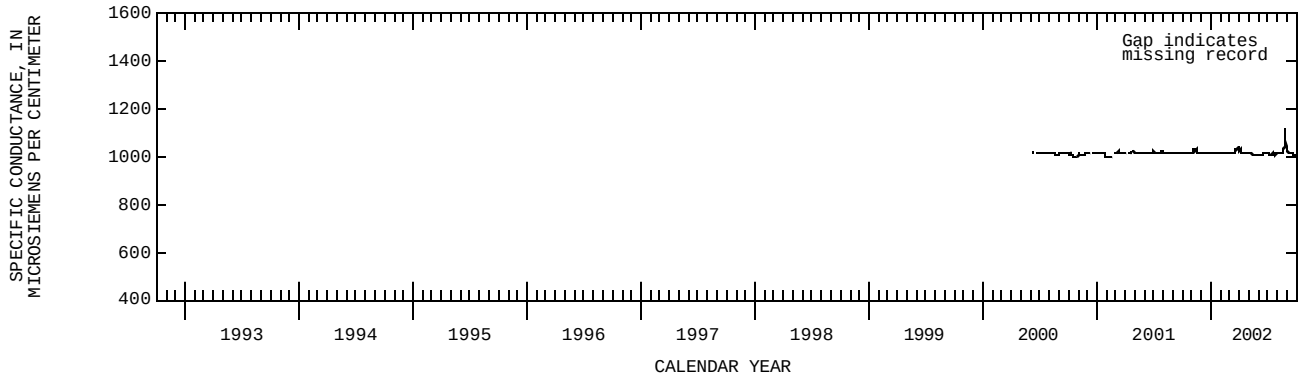
ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-8.65	-10.22	-13.73	-13.14	-14.09	-14.02	-17.58	-20.17	-20.56	-12.69	-7.74	-7.05
10	-8.95	-10.29	-13.39	-13.00	-14.23	-13.97	-18.37	-21.41	-19.80	-11.34	-7.26	-7.32
15	-9.39	-10.54	-13.33	-13.02	-13.95	-14.64	-18.38	-21.01	-18.71	-10.20	-6.93	-7.60
20	-10.24	-10.93	-13.55	-12.87	-14.41	-15.49	-17.67	-19.50	-17.40	-9.59	-6.36	-7.64
25	-10.05	-11.48	-13.71	-13.06	-13.84	-16.63	-18.79	-19.18	-16.35	-8.89	-6.22	-8.12
EOM	-9.85	-12.41	-13.48	-13.66	-14.01	-17.29	-19.51	-20.01	-14.22	-8.16	-6.47	-8.26
MAX	-8.51	-9.94	-13.07	-12.87	-13.61	-13.63	-17.41	-19.18	-14.22	-8.16	-6.05	-6.67



SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1014	1034	1018	1018	1018	1017	1027	1012	1005	1011	1018	1017
10	1015	1032	1018	1018	1017	1017	1017	1012	1005	1011	1018	1014
15	1016	1021	1018	1017	1017	1017	1016	1011	1005	1012	1018	1013
20	1014	1018	1018	1017	1017	1031	1017	1007	1016	1011	1021	1012
25	1014	1017	1018	1017	1017	1032	1016	1005	1019	1011	1102	1011
EOM	1018	1019	1018	1018	1017	1026	1012	1004	1014	1017	1031	1011
MAX	1020	1040	1020	1020	1020	1040	1030	1010	1020	1020	1120	1020



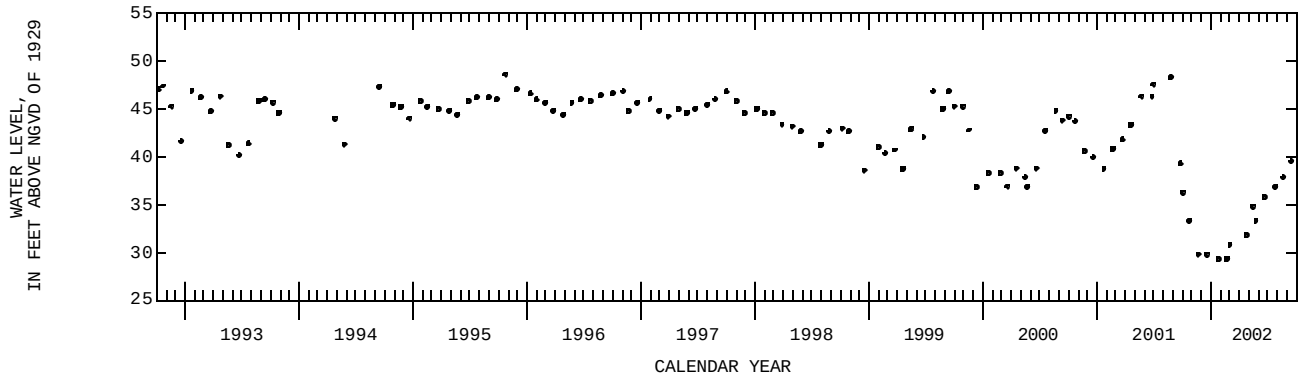
LEE COUNTY--Continued

WELL NUMBER.--264101081443001. Local Number L 652.

LOCATION.--Lat 26°41'00", long 81°44'27", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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. The data for the 2002 water year was considered estimated because there was concern over the pressure gage used to collect the data.
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, 29.3 ft NGVD (estimated), Jan. 24 and Feb. 21, 2002. See REMARKS.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0903	E36.30	24...	0750	E31.80
24...	0807	E33.30	MAY		
NOV			15...	1218	E34.80
21...	0810	E29.80	24...	0758	E33.30
DEC			JUN		
19...	0802	E29.80	20...	0834	E35.80
JAN			JUL		
24...	0731	E29.30	26...	0815	E36.80
FEB			AUG		
21...	0752	E29.30	21...	0818	E37.80
MAR			SEP		
02...	0715	E30.80	16...	1342	E39.50



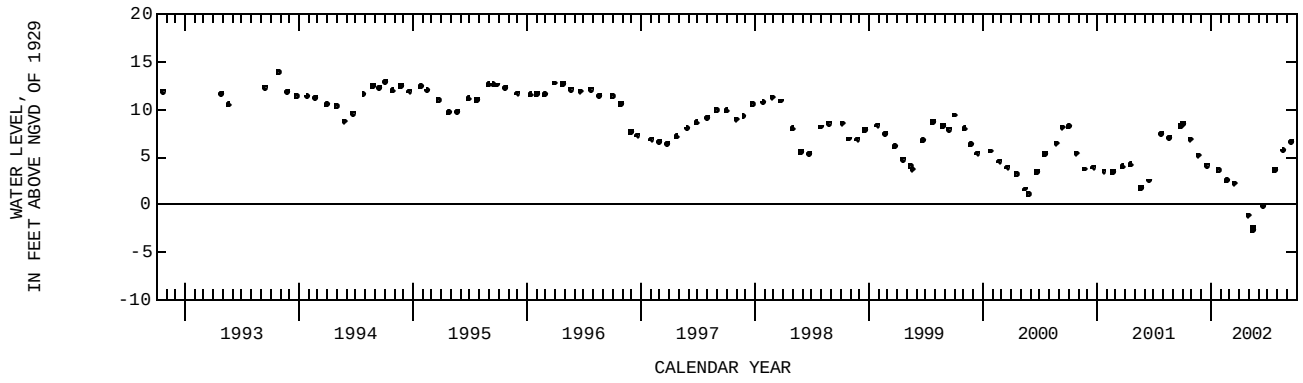
LEE COUNTY--Continued

WELL NUMBER.--264120082022101. Local Number L 1113.

LOCATION.--Lat 26°41'27", long 82°02'20", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.32, T.43 S., R.23 E., Hydrologic Unit 03100103, 100 ft northeast of intersection of Van Buren Parkway and Burnt Store 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.--The figures of water level as elevation in ft NGVD from April 1993 to September 2000, are incorrect. Corrected records 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, 2.64 ft below NGVD, May 15, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0959	8.44	29...	1038	-1.11
26...	1455	6.86	MAY		
NOV			15...	0928	-2.64
21...	1454	5.16	15...	1433	-2.35
DEC			JUN		
17...	1544	4.12	17...	0956	-.14
JAN			JUL		
24...	1408	3.63	25...	1642	3.68
FEB			AUG		
21...	1428	2.51	21...	1151	5.67
MAR			SEP		
15...	1350	2.26	16...	1102	6.58



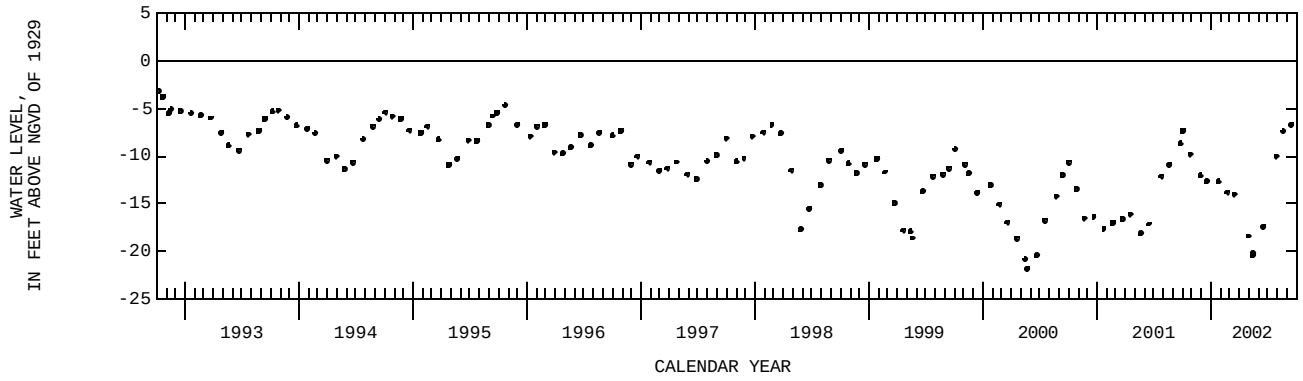
LEE COUNTY--Continued

WELL NUMBER.--264147081562701. Local Number L 1111.

LOCATION.--Lat 26°41'49", long 81°56'23", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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.
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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1037	-7.39	29...	1407	-18.37
26...	1347	-9.82	MAY		
NOV			15...	1024	-20.36
26...	1132	-12.07	15...	1506	-20.19
DEC			JUN		
17...	1623	-12.69	17...	1055	-17.42
JAN			JUL		
24...	1431	-12.69	29...	0847	-10.03
FEB			AUG		
22...	0931	-13.81	21...	1430	-7.47
MAR			SEP		
15...	1222	-13.98	16...	1144	-6.78



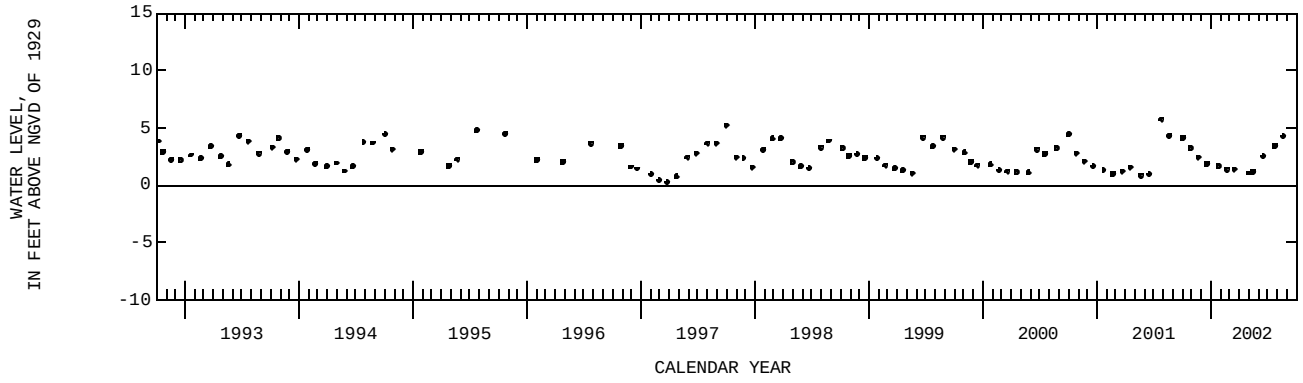
LEE COUNTY--Continued

WELL NUMBER.--264153082022301. Local Number L 721.

LOCATION.--Lat 26°41'53", long 82°02'22", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.30, T.43 S., R.23 E., Hydrologic Unit 03100103, at northwest corner of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0952	4.11	29...	1034	1.06
26...	1509	3.22	MAY		
NOV			15...	1428	1.14
21...	1459	2.40	JUN		
DEC			17...	1001	2.48
17...	1539	1.87	JUL		
JAN			25...	1638	3.42
24...	1402	1.65	AUG		
FEB			21...	1144	4.21
21...	1423	1.37			
MAR					
15...	1355	1.35			



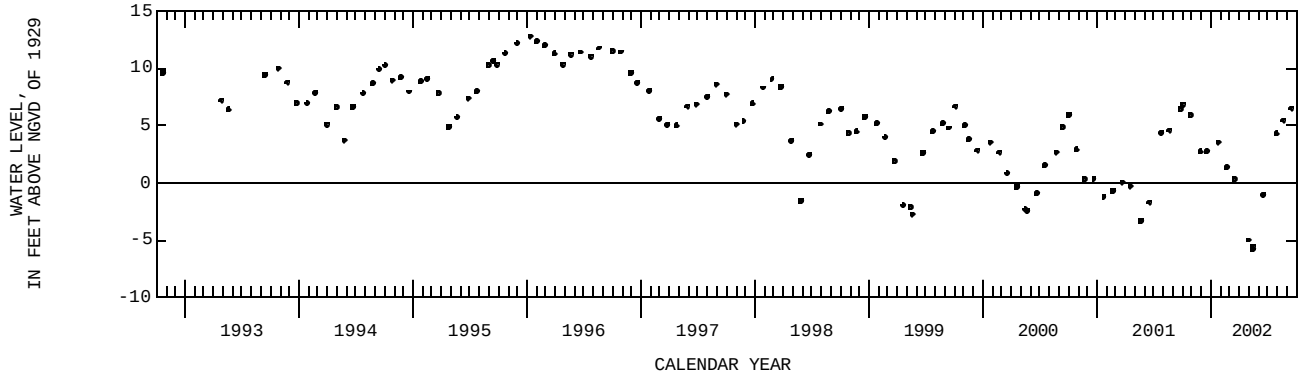
LEE COUNTY--Continued

WELL NUMBER.--264241081582401. Local Number L 1110.

LOCATION.--Lat 26°42'42", long 81°58'24", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 U.S. Highway 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, 5.83 ft below NGVD, May 15, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	1030	6.84	29...	1356	-4.99
26...	1535	5.88	MAY		
NOV			15...	1016	-5.83
26...	1140	2.72	15...	1453	-5.54
DEC			JUN		
17...	1613	2.71	17...	1045	-1.06
JAN			JUL		
24...	1423	3.51	29...	0856	4.27
FEB			AUG		
20...	0939	1.32	21...	1421	5.43
MAR			SEP		
15...	1222	.32	16...	1133	6.51



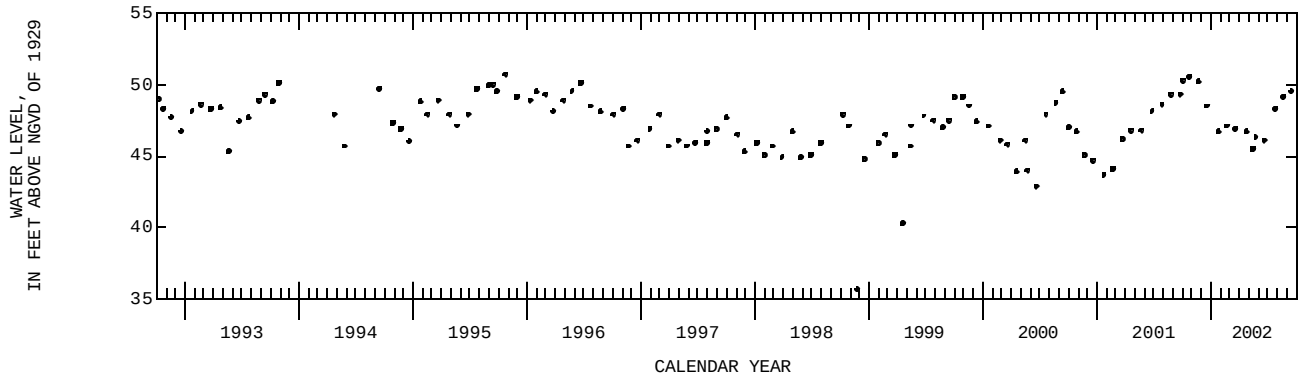
LEE COUNTY--Continued

WELL NUMBER.--264308081405402. Local Number L 2530.

LOCATION.--Lat 26°43'08", long 81°40'49", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.23, T.43 S., R.26 E., Hydrologic Unit 03090205, 0.25 mi north of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0919	50.30	24...	0810	46.70
24...	0823	50.50	MAY		
NOV			15...	1235	45.50
21...	0824	50.20	24...	0815	46.30
DEC			JUN		
19...	0818	48.50	20...	0851	46.10
JAN			JUL		
24...	0748	46.70	26...	0824	48.30
FEB			AUG		
21...	0808	47.10	21...	0822	49.10
MAR			SEP		
20...	0729	46.90	16...	1325	49.50



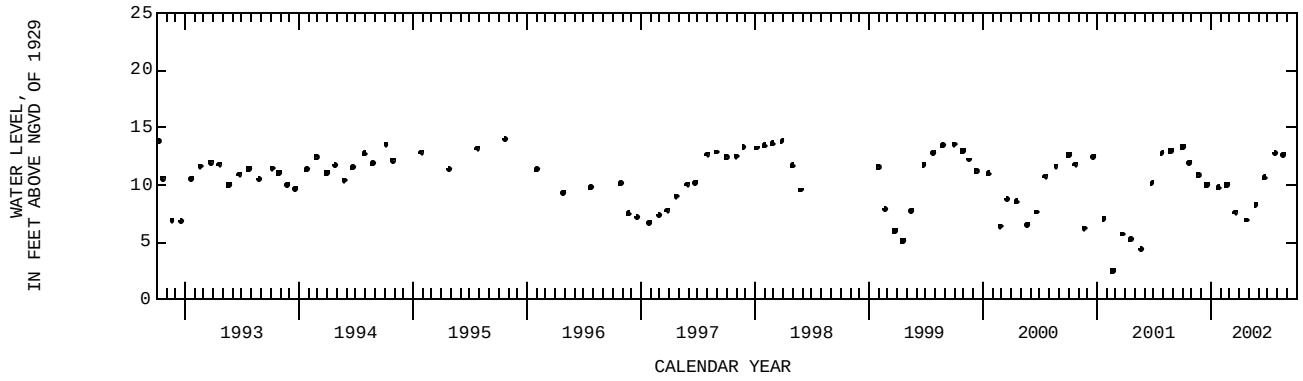
LEE COUNTY--Continued

WELL NUMBER.--264320081365701. Local Number L 1977.

LOCATION.--Lat 26°43'19", long 81°36'56", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.21, T.43 S., R.27 E., Hydrologic Unit 03090205, 11.5 ft west of Parkinson Road, 300 ft north of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0934	13.31	24...	0829	6.92
24...	0839	11.90	MAY		
NOV			24...	0828	8.22
21...	0836	10.85	JUN		
DEC			20...	0905	10.64
19...	0837	9.99	JUL		
JAN			26...	0840	12.72
24...	0801	9.77	AUG		
FEB			21...	0838	12.57
21...	0823	9.96			
MAR					
20...	0744	7.58			



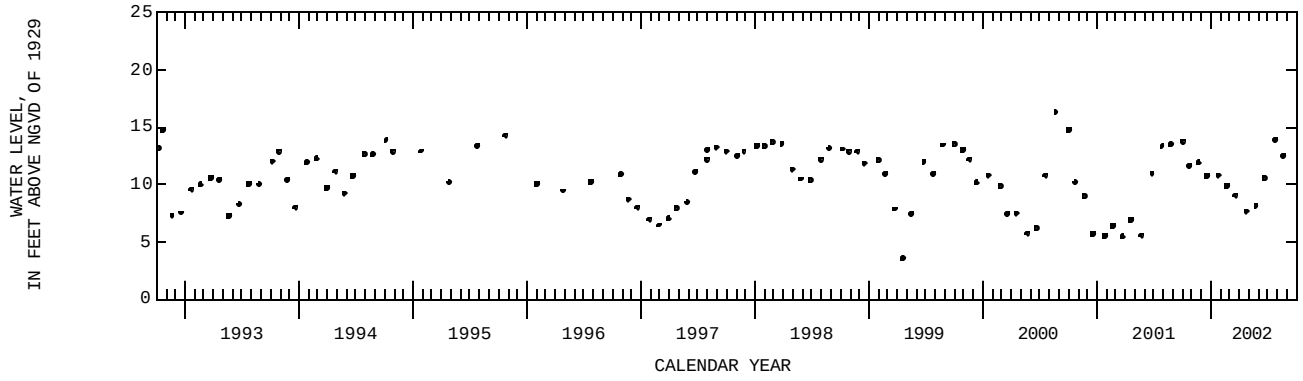
LEE COUNTY--Continued

WELL NUMBER.--264329081340401. Local Number L 2200.

LOCATION.--Lat 26°43'30", long 81°34'06", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.24, T.43 S., R.27 E., Hydrologic Unit 03090205, west side of the Lee/Hendry County Line and south side of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1110	13.78	24...	1104	7.67
24...	1047	11.59	MAY		
NOV			24...	1017	8.13
21...	1110	11.88	JUN		
DEC			20...	1105	10.54
19...	1030	10.74	JUL		
JAN			26...	1044	13.90
24...	1040	10.77	AUG		
FEB			21...	1059	12.51
21...	1006	9.85			
MAR					
20...	0930	9.05			



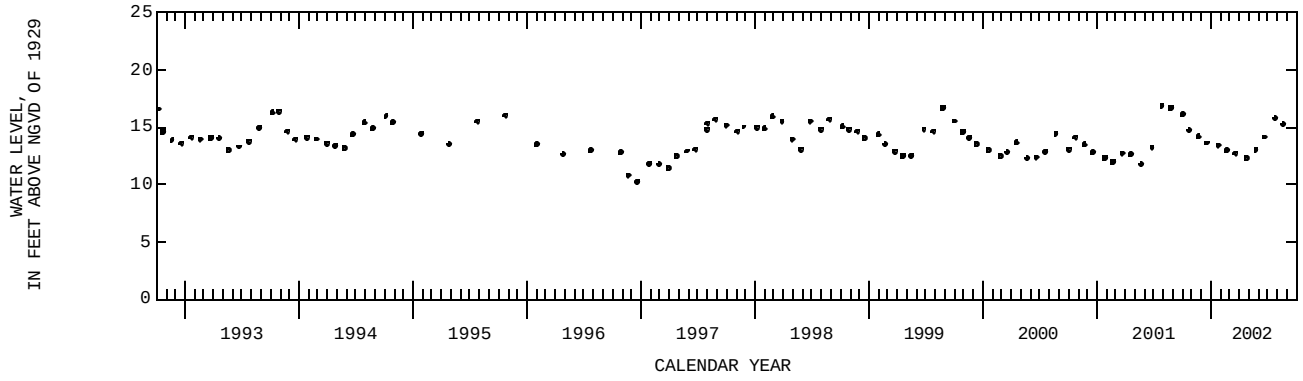
LEE COUNTY--Continued

WELL NUMBER.--264329081340402. Local Number L 2202.

LOCATION.--Lat 26°43'30", long 81°34'06", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.24, T.43 S., R.27 E., Hydrologic Unit 03090205, west side of the Lee/Hendry County Line and south side of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1157	16.11	24...	1105	12.28
24...	1049	14.69	MAY		
NOV			24...	1018	13.01
21...	1059	14.16	JUN		
DEC			20...	1107	14.14
19...	1036	13.61	JUL		
JAN			26...	1041	15.75
24...	1042	13.39	AUG		
FEB			21...	1101	15.23
21...	1008	12.96			
MAR					
20...	0932	12.72			



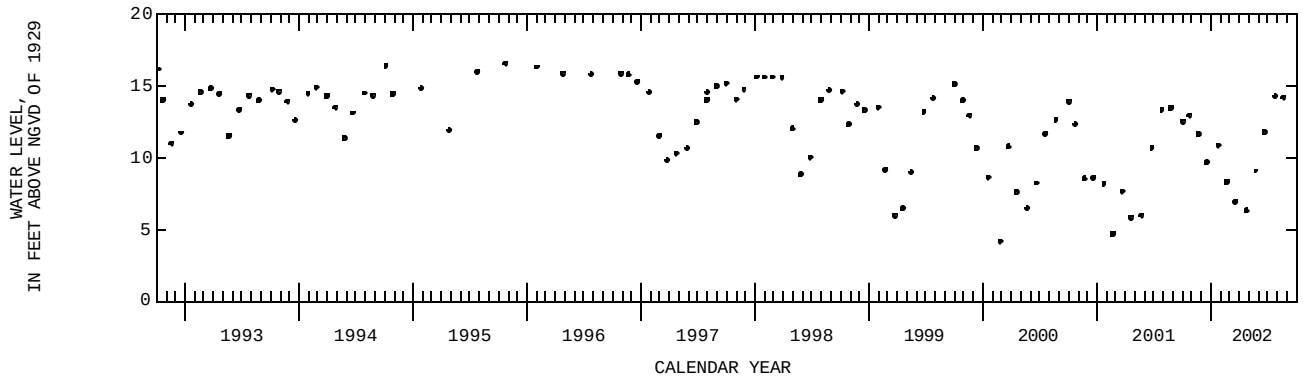
LEE COUNTY--Continued

WELL NUMBER.--264359081424701. Local Number L 1975.

LOCATION.--Lat 26°43'59", long 81°42'45", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.16, T.43 S., R.26 E., Hydrologic Unit 03090205, at northwest corner of State Road 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. Prior to October 1995, measuring point for chalked tape measurements was 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 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0944	12.53	24...	0841	6.33
24...	0849	12.95	MAY		
NOV			24...	0840	9.08
21...	0845	11.68	JUN		
DEC			20...	0917	11.79
19...	0853	9.67	JUL		
JAN			26...	0851	14.25
24...	0821	10.85	AUG		
FEB			21...	0848	14.23
21...	0837	8.32			
MAR					
20...	0755	6.92			



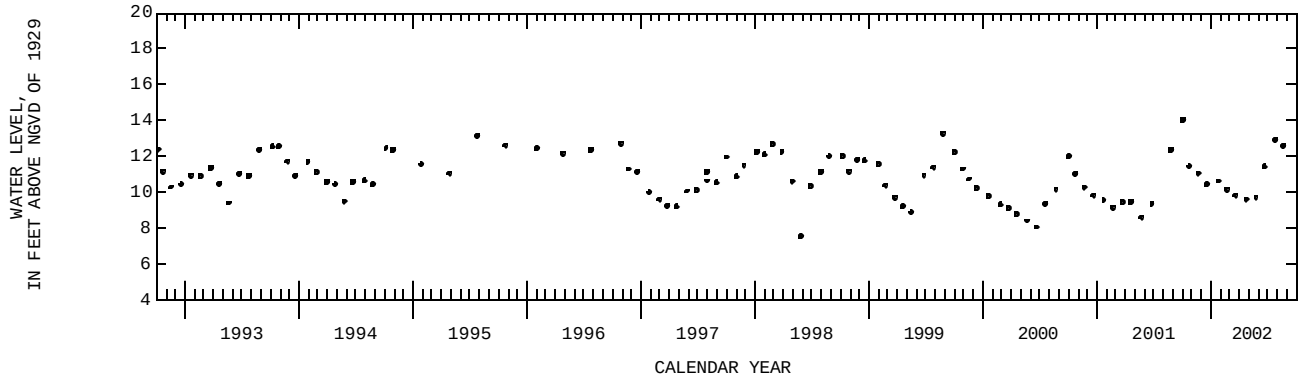
LEE COUNTY--Continued

WELL NUMBER.--264359081424702. Local Number L 1976.

LOCATION.--Lat 26°43'59", long 81°42'45", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.16, T.43 S., R.26 E., Hydrologic Unit 03090205, at northwest corner of State Road 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, 14.03 ft NGVD, Oct. 3, 2001; lowest, 7.52 ft NGVD, May 26, 1998.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0945	14.03	24...	0844	9.61
24...	0850	11.44	MAY		
NOV			24...	0845	9.71
21...	0846	11.07	JUN		
DEC			20...	0920	11.44
19...	0858	10.42	JUL		
JAN			26...	0854	12.90
24...	0820	10.63	AUG		
FEB			21...	0849	12.60
21...	0838	10.15			
MAR					
20...	0757	9.84			



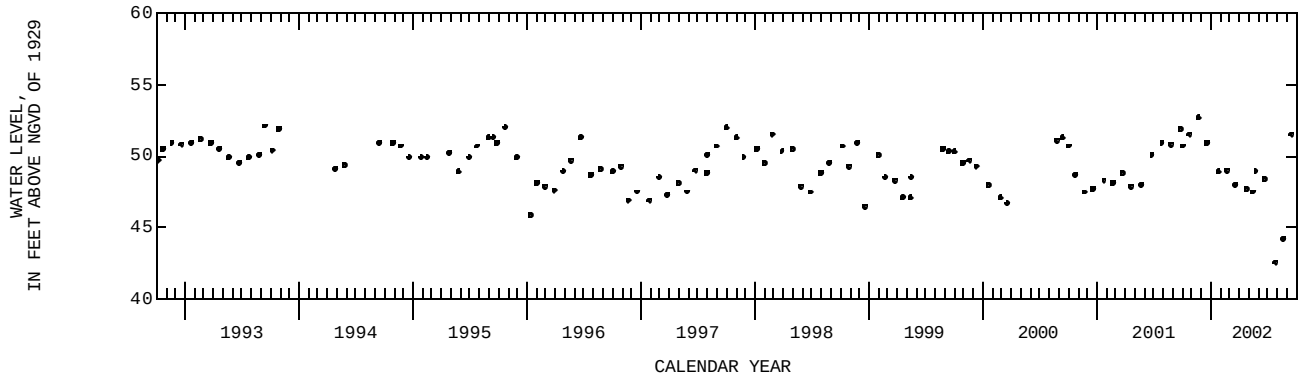
LEE COUNTY--Continued

WELL NUMBER.--264427081362601. Local Number L 2531.

LOCATION.--Lat 26°44'35", long 81°36'23", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 State Road 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, 42.6 ft NGVD, July 26, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1118	50.70	24...	1043	47.70
24...	1028	51.50	MAY		
NOV			15...	1253	47.50
21...	1053	52.70	24...	1001	48.90
DEC			JUN		
19...	1016	50.90	20...	1054	48.40
JAN			JUL		
24...	1033	48.90	26...	1020	42.60
FEB			AUG		
21...	0950	49.00	21...	1045	44.20
MAR			SEP		
20...	0913	48.00	16...	1252	51.50



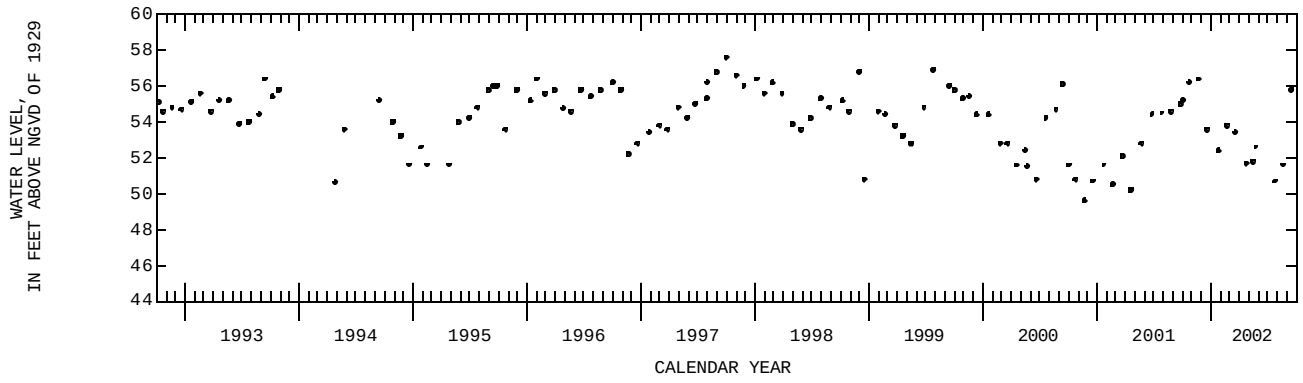
LEE COUNTY--Continued

WELL NUMBER.--264433081360601. Local Number L 5708.

LOCATION.--Lat 26°44'31", long 81°36'09", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.10, T.43 S., R.27 E., Hydrologic Unit 03090205, 250 ft west of Frank Green House, 700 ft south of Persimmon Ridge Road, 1.6 mi north then east of intersection of State Road 78 and Persimmon 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	1120	55.20	24...	1051	51.70
24...	1035	56.20	MAY		
NOV			15...	1303	51.80
21...	1103	56.40	24...	1005	52.60
DEC			JUL		
19...	1019	53.60	26...	1026	50.70
JAN			AUG		
24...	1040	52.40	21...	1047	51.60
FEB			SEP		
21...	0953	53.80	16...	1306	55.80
MAR					
20...	0920	53.40			



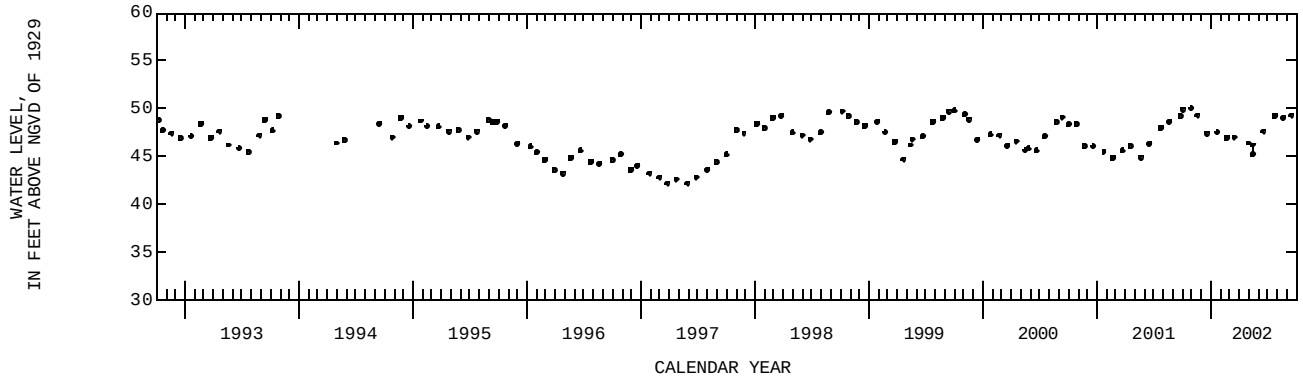
LEE COUNTY--Continued

WELL NUMBER.--264517081513201. Local Number L 2341.

LOCATION.--Lat 26°45'18", long 81°51'24", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0835	49.90	30...	0815	46.40
29...	1154	50.00	MAY		
NOV			14...	1536	46.20
19...	1459	49.30	15...	1335	45.20
DEC			JUN		
17...	1443	47.40	17...	1244	47.60
JAN			JUL		
22...	1659	47.50	25...	1530	49.20
FEB			AUG		
21...	1328	46.90	21...	1527	49.00
MAR			SEP		
15...	1451	47.00	16...	1158	49.30



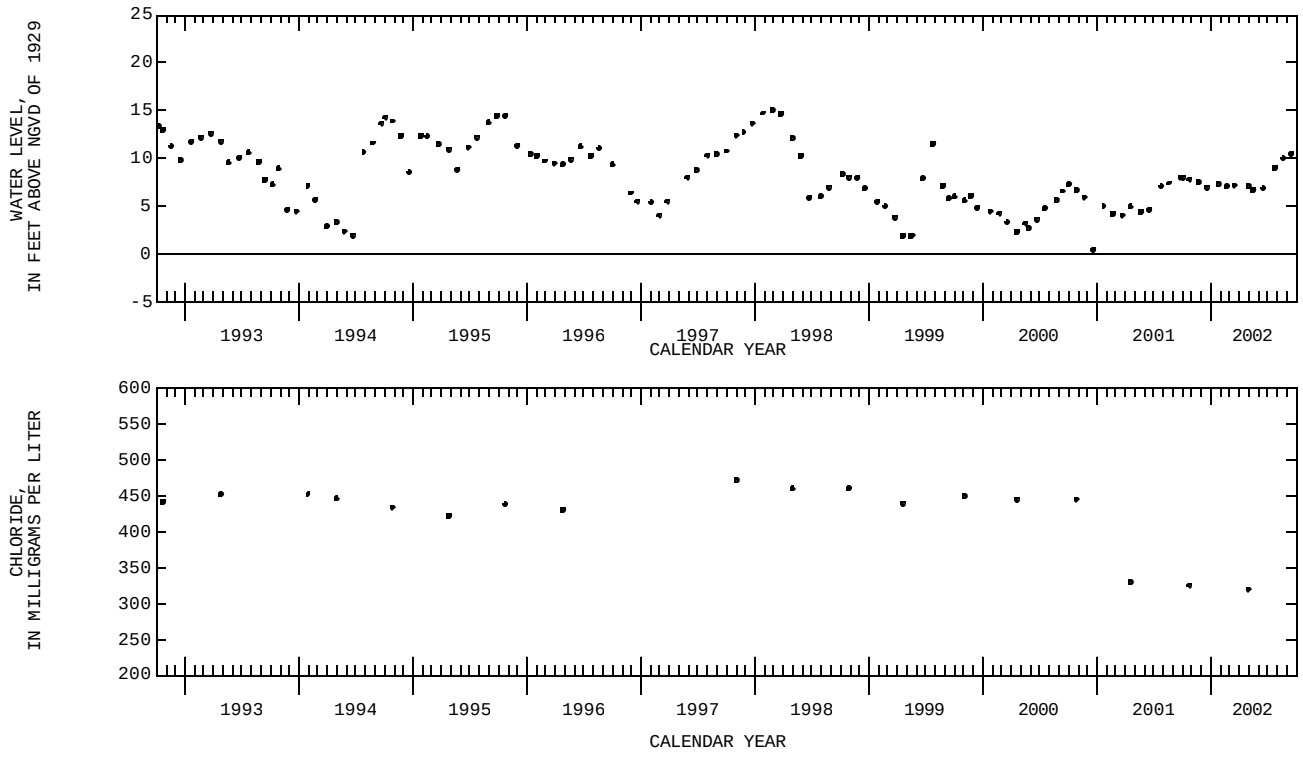
LEE COUNTY--Continued

WELL NUMBER.--264517082022101. Local Number L 1059.

LOCATION.--Lat 26°45'14", long 82°02'18", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.7, T.43 S., R.23 E., Hydrologic Unit 03100103, 48 ft west of State Road 765, 8.0 mi north of Pine Island Road (State Road 78), and 8.8 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 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. Prior to September 1994, the top of bushing was 3.26 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 are in error. Corrected records are in files of the U.S. Geological Survey. Station rebuilt September 1994. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
02...	0940	--	--	8.04
24...	1315	1740	325	7.81
NOV				
21...	1443	--	--	7.54
DEC				
17...	1530	--	--	6.99
JAN				
24...	1354	--	--	7.33
FEB				
21...	1416	--	--	7.02
MAR				
15...	1406	--	--	7.17
APR				
29...	1013	1730	320	7.14
MAY				
15...	0944	--	--	6.65
15...	1421	--	--	6.67
JUN				
17...	1015	--	--	6.86
JUL				
25...	1627	--	--	9.02
AUG				
21...	1127	--	--	9.99
SEP				
16...	1114	--	--	10.50



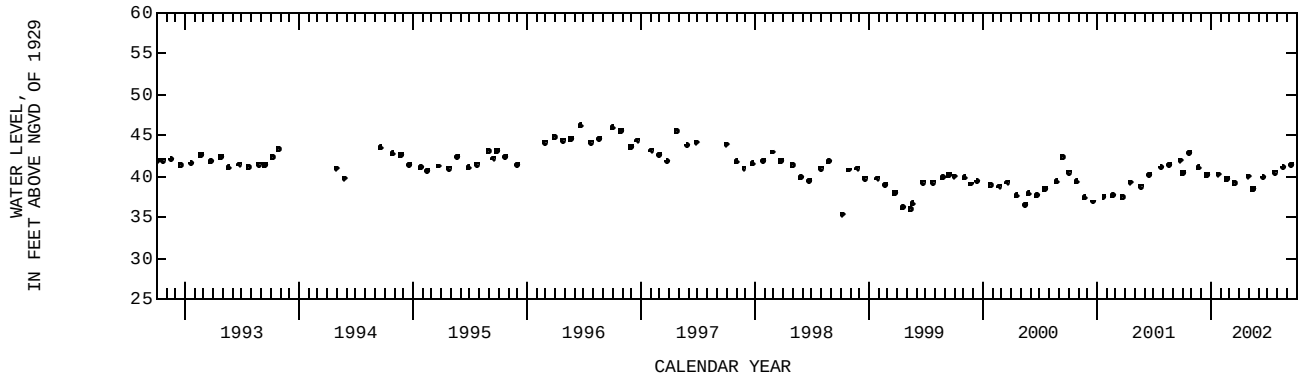
LEE COUNTY--Continued

WELL NUMBER.--264517082022102. Local Number L 2526.

LOCATION.--Lat 26°45'14", long 82°02'18", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.7, T.43 S., R.23 E., Hydrologic Unit 03100103, 48 ft west of State Road 765, 8 mi north of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0928	40.40	29...	1023	40.00
24...	1318	42.90	MAY		
NOV			15...	0939	38.40
21...	1445	41.10	15...	1141	38.50
DEC			JUN		
17...	1527	40.20	17...	1010	39.90
JAN			JUL		
24...	1352	40.30	25...	1630	40.50
FEB			AUG		
21...	1411	39.70	21...	1123	41.10
MAR			SEP		
15...	1403	39.20	16...	1111	41.40



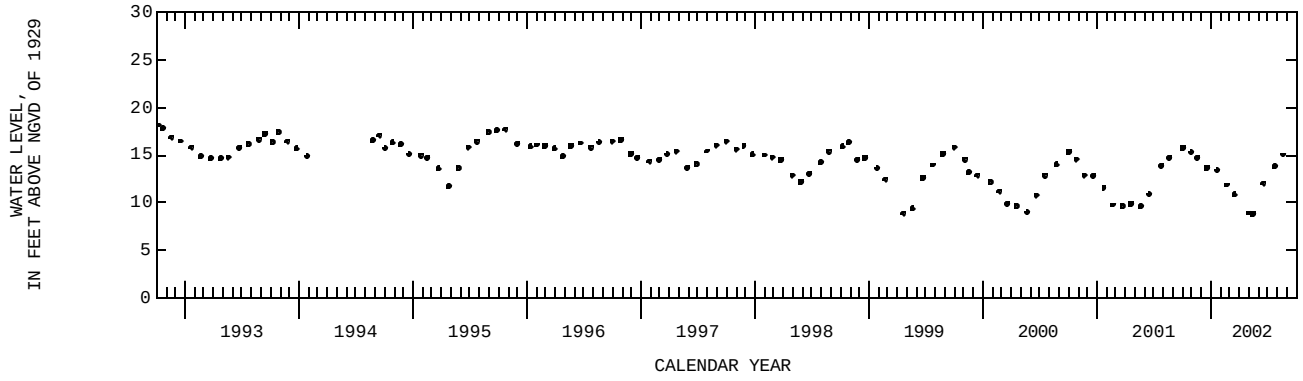
LEE COUNTY--Continued

WELL NUMBER.--264537081552202. Local Number L 2646.

LOCATION.--Lat 26°45'39", long 81°55'21", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. Highway 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, 8.86 ft NGVD, May 15, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
02...	0852	15.72	29...	1422	8.94
29...	1118	15.25	MAY		
NOV			15...	1350	8.86
19...	1514	14.66	JUN		
DEC			17...	1107	12.06
17...	1501	13.67	JUL		
JAN			25...	1558	13.78
22...	1714	13.40	AUG		
FEB			21...	1449	15.01
21...	1346	11.87			
MAR					
15...	1431	10.88			



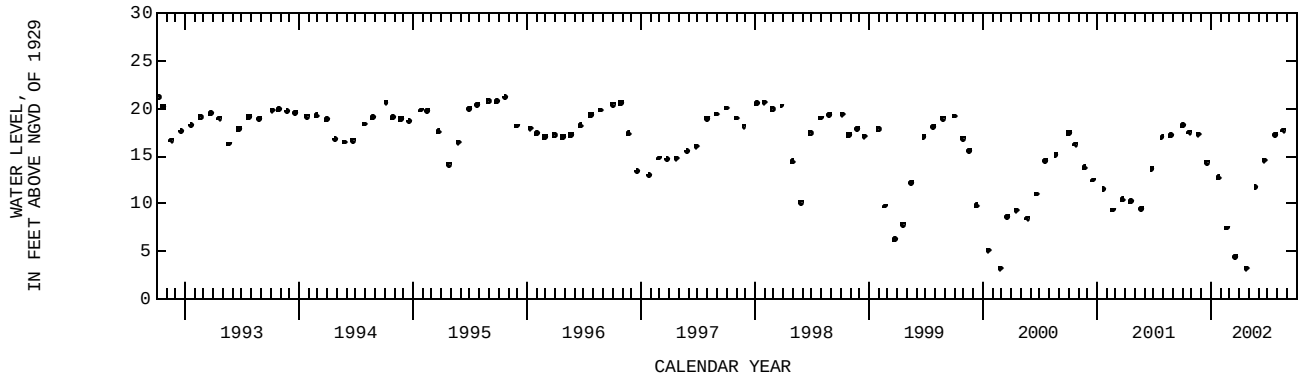
LEE COUNTY--Continued

WELL NUMBER.--264608081454101. Local Number L 2216.

LOCATION.--Lat 26°46'11", long 81°45'41", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of State Road 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. 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0943	18.20	24...	0934	3.25
24...	0948	17.48	MAY		
NOV			24...	0936	11.72
21...	1032	17.26	JUN		
DEC			20...	1032	14.56
19...	0952	14.36	JUL		
JAN			26...	0959	17.23
24...	0910	12.72	AUG		
FEB			21...	1031	17.68
21...	0927	7.48			
MAR					
20...	0847	4.44			



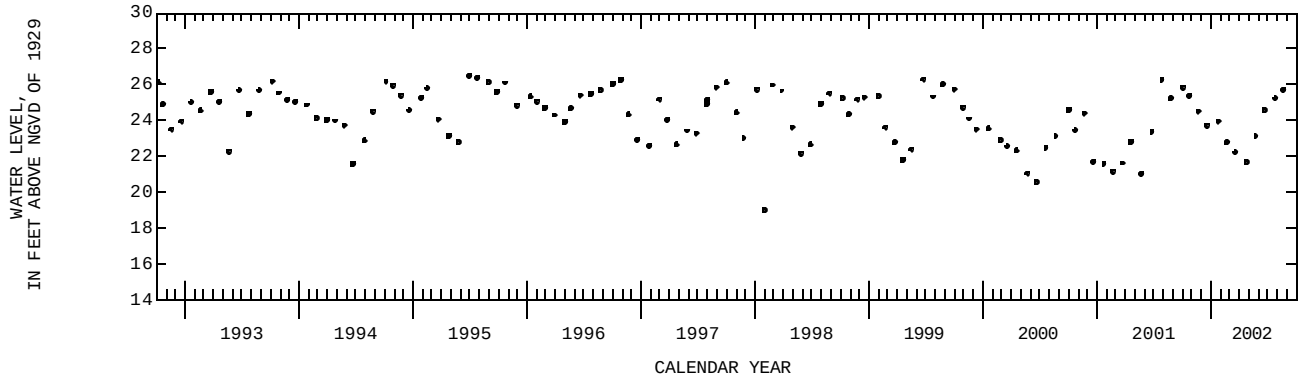
LEE COUNTY--Continued

WELL NUMBER.--264608081454102. Local Number L 2217.

LOCATION.--Lat 26°46'11", long 81°45'41", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of State Road 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0950	25.86	24...	0937	21.67
24...	0954	25.39	MAY		
NOV			24...	0937	23.11
21...	1034	24.51	JUN		
DEC			20...	1035	24.59
19...	0955	23.73	JUL		
JAN			26...	1002	25.23
24...	0912	23.97	AUG		
FEB			21...	1039	25.69
21...	0931	22.78			
MAR					
20...	0847	22.22			



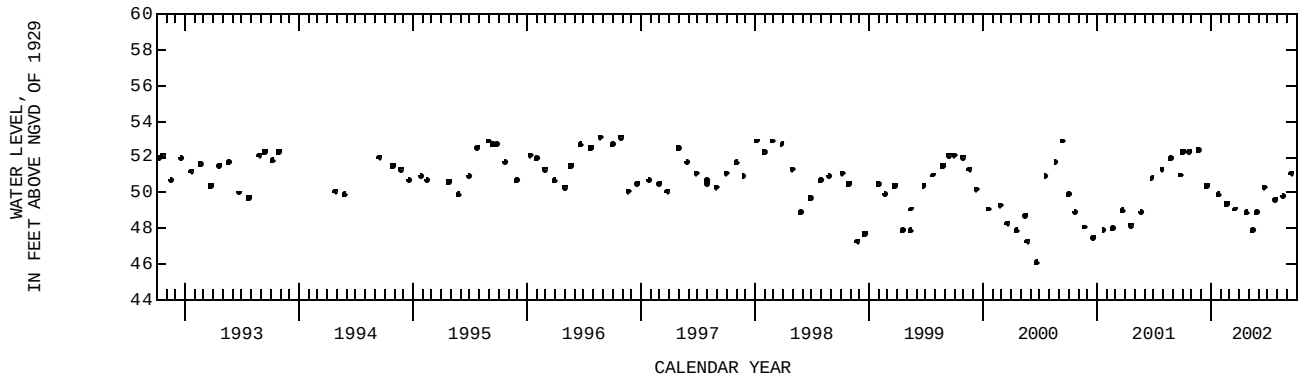
LEE COUNTY--Continued

WELL NUMBER.--264608081454103. Local Number L 2328.

LOCATION.--Lat 26°46'11", long 81°45'41", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of State Road 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 25.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. casing, 2.60 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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
03...	0955	52.30	24...	0929	48.90
24...	0957	52.30	MAY		
NOV			14...	1603	47.90
21...	1035	52.40	27...	0940	48.90
DEC			JUN		
19...	0950	50.40	20...	1028	50.30
JAN			JUL		
24...	0916	49.90	26...	0955	49.60
FEB			AUG		
21...	0924	49.40	21...	1029	49.80
MAR			SEP		
20...	0843	49.10	16...	1234	51.10



LEE COUNTY

MULTIPLE STATION ANALYSES

STATION NUMBER		LOCAL IDENTIFIER	LATITUDE	LONGITUDE	DATE	TIME	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
262513081472002	L	-5668R	26 25 13 N	081 47 20 W	10-22-01	1302	2450	700
			26 25 13 N	081 47 20 W	04-25-02	1131	2460	620
263125081511801	L	- 331	26 33 26 N	081 51 21 W	10-25-01	1030	2930	660
			26 33 26 N	081 51 21 W	04-22-02	1550	2910	640

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Martin County

Key to site locations on figure # 18

Martin County

Index Number	Site Number	Well Name	Page Number
1	270835080105801	M 1004	404
2	265822080052701	M 1024	401
3	270124080280202	M 1048	402
4	265725080141801	M 1234	400
5	270913080284901	M 1255	405
6	270609080163401	M 1261	403

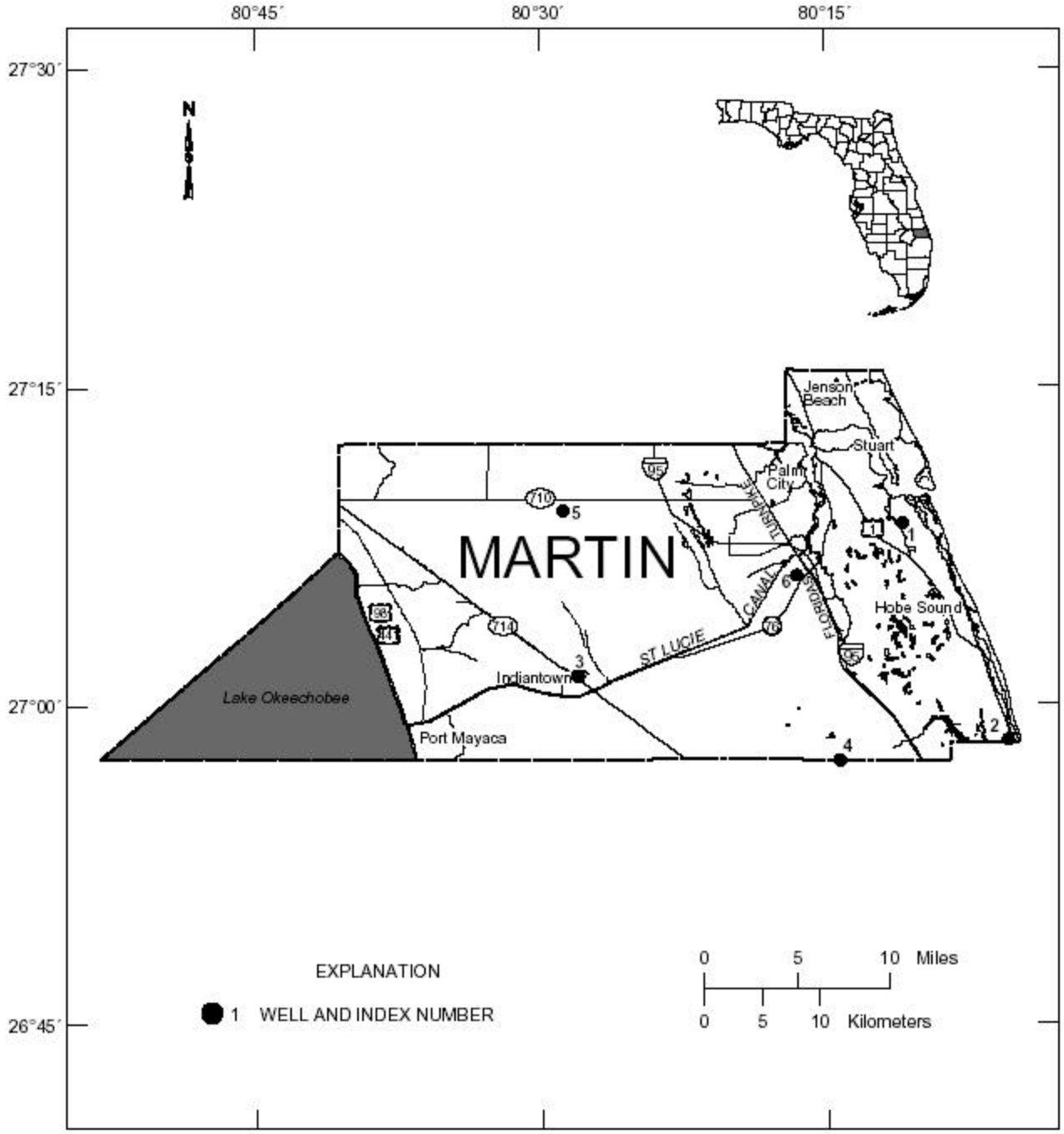


Figure 18: Location of wells in Martin County

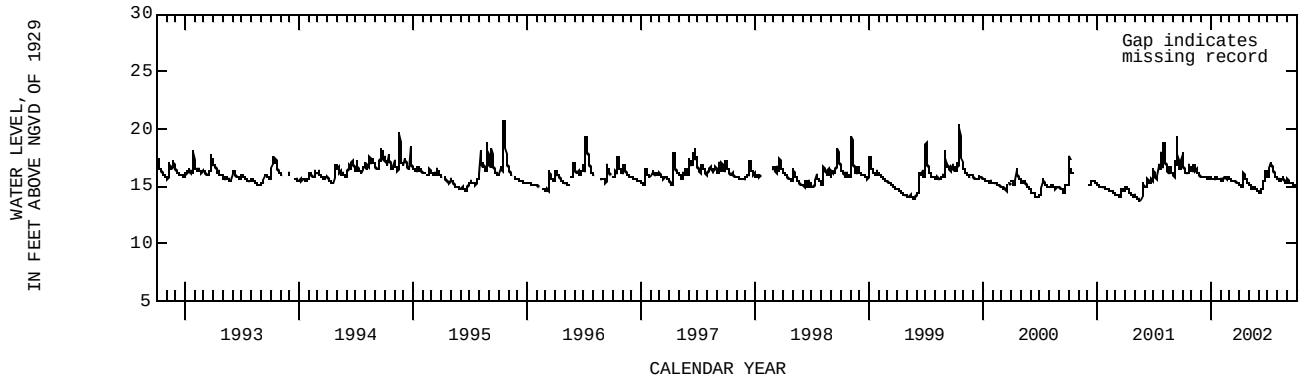
MARTIN COUNTY

WELL NUMBER.--265725080141801. Local Number M 1234. USGS Observation Well near Jupiter, Fl.

LOCATION.--Lat 26°57'25", long 80°14'18", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.58	16.87	15.76	15.63	15.50	15.55	15.07	15.04	14.37	15.91	15.55	15.50
10	16.29	16.39	15.85	15.57	15.64	15.47	14.93	14.85	14.60	17.04	15.48	15.33
15	15.97	16.43	15.78	15.78	15.75	15.50	16.12	14.72	14.90	16.70	15.69	15.24
20	16.03	16.09	15.72	15.75	15.63	15.39	15.78	14.91	15.43	16.26	15.63	15.14
25	16.61	15.89	15.64	15.62	15.73	15.26	15.49	14.73	16.39	15.92	15.40	15.08
EOM	16.30	15.79	15.71	15.51	15.67	15.19	15.26	14.53	15.88	15.64	15.50	15.09
MAX	17.72	16.90	15.87	15.80	15.82	15.65	16.12	15.21	16.39	17.04	15.72	15.55



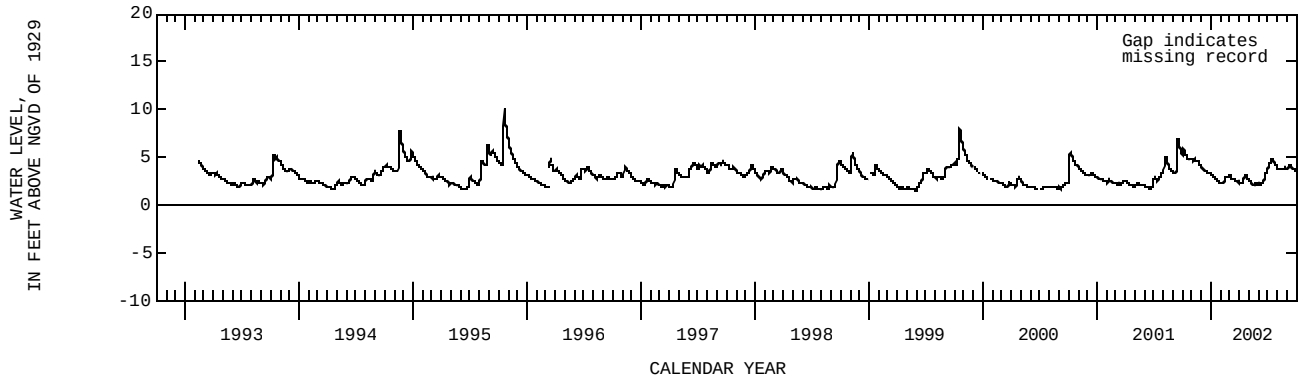
MARTIN COUNTY--Continued

WELL NUMBER.--265822080052701. Local Number M 1024. USGS Observation Well near Tequesta, FL.

LOCATION.--Lat 26°58'22", long 80°05'27", in NE $^1/_4$ SW $^1/_4$ SW $^1/_4$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.86	4.62	3.80	3.12	2.26	2.91	2.35	2.46	2.14	4.43	3.83	4.05
10	5.39	4.80	3.65	2.97	2.37	2.77	2.37	2.29	2.26	4.49	3.88	4.19
15	5.08	4.64	3.58	2.74	2.83	2.67	2.78	2.09	2.35	4.78	3.81	4.01
20	4.84	4.56	3.51	2.55	2.94	2.50	3.18	2.00	2.98	4.60	3.75	3.74
25	4.82	4.29	3.40	2.37	2.99	2.47	3.03	2.26	3.36	4.29	3.90	3.69
EOM	4.77	4.04	3.29	2.26	3.06	2.44	2.72	2.18	3.76	3.91	3.78	3.49
MAX	5.89	4.82	3.99	3.26	3.06	3.08	3.18	2.66	3.76	4.80	3.91	4.19



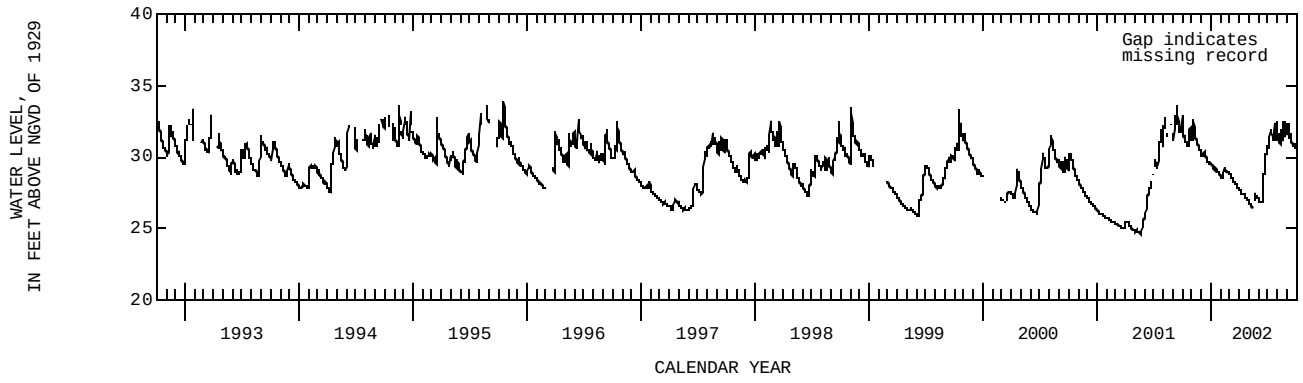
MARTIN COUNTY--Continued

WELL NUMBER.--270124080280202. Local Number M 1048. USGS Observation Well in Indiantown, FL.

LOCATION.--Lat 27°01'24", long 80°28'02", in NE 1/4 SE 1/4 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 State Road 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.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	31.45	32.52	29.91	29.33	28.53	28.63	27.59	26.73	26.89	30.47	31.67	31.89
10	31.15	31.47	30.36	29.13	28.77	28.47	27.42	26.60	26.74	31.87	30.96	31.20
15	30.81	31.16	30.00	29.17	29.11	28.30	27.37	26.43	27.65	31.34	31.52	31.16
20	30.65	30.83	29.74	29.03	28.83	28.13	27.24	27.33	29.14	31.01	31.27	30.75
25	31.97	30.51	29.52	28.88	28.91	27.95	27.08	27.32	30.22	31.45	31.68	30.81
EOM	31.21	30.20	29.46	28.68	28.81	27.77	26.91	27.11	30.51	32.33	31.82	30.64
MAX	32.21	32.52	30.36	29.53	29.20	28.76	27.74	---	30.51	32.43	32.49	32.33



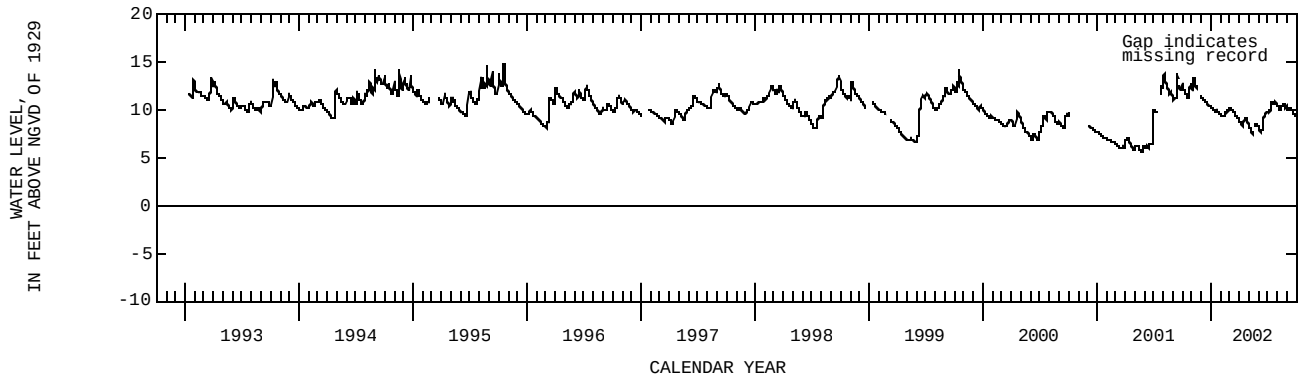
MARTIN COUNTY--Continued

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 State Road 76 and 0.5 mi northwest of U.S. Interstate 95.
AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6.0 in., depth 23.0 ft, cased to 20.0 ft. (Corrected).
INSTRUMENTATION.--Satellite data collection platform with water-stage shaft encoder.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.11	13.16	11.12	10.15	9.43	10.16	8.68	8.06	7.87	9.90	10.25	10.28
10	11.75	12.78	10.93	10.03	9.28	9.99	8.42	7.72	7.91	10.15	9.98	10.20
15	11.46	12.46	10.74	9.88	9.81	9.76	8.65	7.60	8.23	10.81	10.50	10.01
20	11.20	---	10.57	9.92	9.90	9.47	9.21	8.38	9.44	10.73	10.61	9.78
25	12.51	---	10.36	9.77	10.15	9.19	9.00	8.60	9.68	10.82	10.44	9.52
EOM	12.27	11.40	10.26	9.53	10.25	8.92	8.50	8.25	9.74	10.57	10.35	9.29
MAX	12.71	---	11.34	10.23	10.25	10.26	9.21	---	9.75	10.82	10.61	10.34



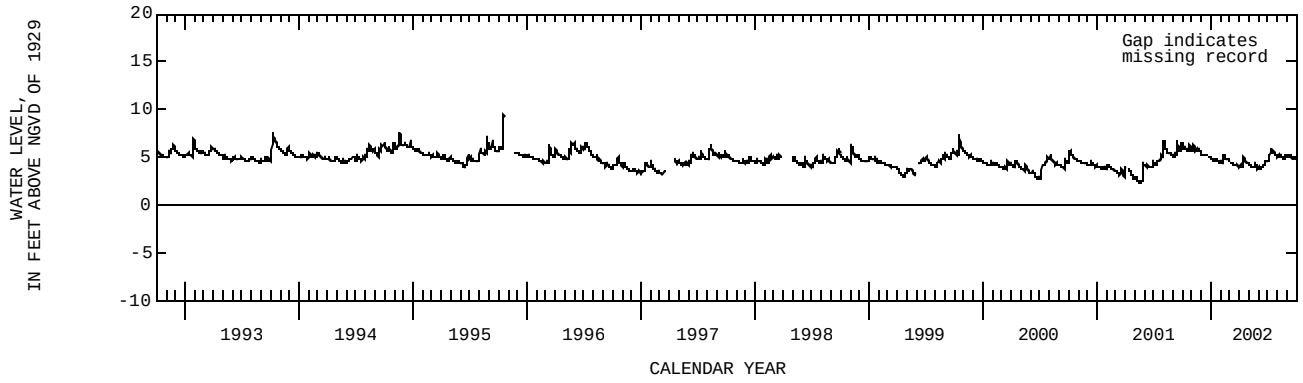
MARTIN COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.30, T.38 S., R.42 E., Hydrologic Unit 03090202, 5.0 mi southeast of Stuart, 0.7 mi east of U.S. Highway 1 Alternate 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 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.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.83	6.20	5.24	4.83	4.38	4.53	4.11	4.18	3.75	5.07	5.15	5.24
10	5.98	5.69	5.29	4.71	5.22	4.35	4.06	4.00	3.81	5.35	5.07	5.00
15	5.69	5.85	5.17	4.86	4.87	4.26	4.97	3.96	4.04	5.51	5.04	5.06
20	5.64	5.57	---	4.65	4.63	4.14	4.65	4.32	4.27	5.67	4.93	4.85
25	6.16	5.75	---	4.55	4.84	4.08	4.42	4.03	4.62	5.21	4.84	4.81
EOM	5.65	5.34	4.94	4.41	4.66	4.00	4.30	3.91	4.60	5.01	5.18	4.96
MAX	6.35	6.20	---	4.92	5.26	---	4.99	4.32	4.65	5.92	5.28	5.29



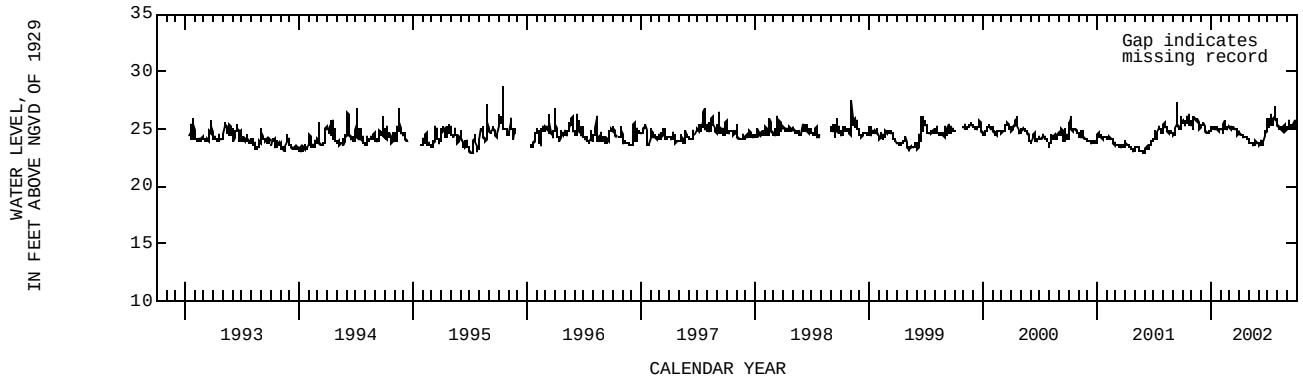
MARTIN COUNTY--Continued

WELL NUMBER.--270913080284901. Local Number M 1255. USGS Observation Well near Indiantown, FL.

LOCATION.--Lat 27°09'13", long 80°28'49", in SW $^1/_4$ SW $^1/_4$ SW $^1/_4$ sec.18, T.38 S., R.39 E., Hydrologic Unit 03090202, at intersection of State Road 714 and State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.36	25.95	25.37	25.20	24.92	25.02	24.49	23.75	23.61	24.94	25.24	25.49
10	25.22	25.91	24.94	24.99	25.40	25.03	24.38	23.75	23.59	26.13	24.95	25.31
15	25.63	25.68	24.70	25.16	25.05	24.80	24.32	23.40	23.65	25.38	25.00	25.21
20	25.45	25.52	24.65	25.06	24.91	24.92	24.31	23.90	24.58	25.93	25.00	25.19
25	25.68	24.98	24.65	24.89	25.21	24.89	24.23	23.83	24.67	26.03	24.99	25.67
EOM	25.43	25.34	24.92	24.96	25.17	24.58	23.92	23.69	25.04	25.80	25.01	25.05
MAX	26.22	25.95	25.47	25.23	25.67	25.17	24.62	23.95	25.04	26.96	25.53	25.73



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Miami-Dade County

VOLUME 2B: SOUTH FLORIDA

Key to site locations on figure # 19

Miami-Dade County

Index Number	Site Number	Well Name	Page Number	Index Number	Site Number	Well Name	Page Number
1	254943080121501	F 45	525	66	254834080171601	G 3466	518
2	254444080144801	F 179	498	67	254839080162301	G 3467	519
3	255008080161801	F 239	531	68	254248080263801	G 3473	491
4	254217080171801	F 319	489	69	252933080210001	G 3549	430
5	252829080285101	F 358	426	70	252906080213101	G 3550	427
6	254950080180801	G 3	529	71	254158080294501	G 3551	482
7	254335080170501	G 432	493	72	254138080284401	G 3552	478
8	254855080163701	G 548	521	73	254152080282101	G 3553	480
9	254130080234501	G 551	477	74	254152080274501	G 3554	479
10	253902080202501	G 553	461	75	254111080272501	G 3555	475
11	254841080164401	G 571	520	76	254213080281501	G 3556	487
12	254000080181002	G 580A	464	77	254112080294201	G 3557	476
13	253937080304001	G 596	462	78	254334080284401	G 3558	492
14	252425080320001	G 613	417	79	254445080295001	G 3559	499
15	253258080264301	G 614	445	80	254108080231301	G 3560	474
16	254500080360001	G 618	501	81	254022080263601	G 3561	468
17	254000080460001	G 620	465	82	255112080151901	G 3562	538
18	253537080284401	G 757A	451	83	254340080203601	G 3563	494
19	252928080332401	G 789	429	84	254917080143301	G 3564	523
20	255437080103201	G 852	547	85	254218080241801	G 3565	490
21	254038080280201	G 855	469	86	254951080194901	G 3566	530
22	253718080192301	G 860	458	87	255358080260901	G 3567	546
23	252612080300701	G 864	419	88	254657080214401	G 3568	504
24	252619080310201	G 864A	420	89	254536080172601	G 3570	502
25	254107080165201	G 896	471	90	255616080180301	G 3571	550
26	254201080173001	G 901	483	91	254432080240401	G 3572	496
27	255600080270001	G 968	549	92	254446080295501	G 3574	500
28	255709080223701	G 970	555	93	254206080294701	G 3575	484
29	255209080212801	G 973	542	94	254442080305201	G 3576	497
30	255208080274001	G 975	541	95	254207080300201	G 3577	485
31	255023080202301	G 976	532	96	254210080304801	G 3578	486
32	254215080201503	G 1074B	488	97	255626080093201	G 3600	552
33	255342080195501	G 1166	543	98	255358080114101	G 3601	544
34	252944080233401	G 1179	431	99	255116080120601	G 3602	539
35	252947080235301	G 1180	432	100	254722080152201	G 3604	506
36	252918080234201	G 1183	428	101	254629080143101	G 3605	503
37	251922080340701	G 1251	412	102	254108080170601	G 3608	472
38	254940080172001	G 1282	524	103	254005080171601	G 3609	466
39	254813080161501	G 1351	510	104	253710080184701	G 3611	456
40	254833080155801	G 1354	517	105	253457080195501	G 3612	449
41	263630080264801	G 1362	556	106	253214080215401	G 3613	440
42	253233080301001	G 1363	444	107	253024080231001	G 3615	435
43	254950080171202	G 1368A	528	108	252243080335501	G 3619	414
44	253012080261401	G 1486	434	109	252312080320301	G 3620	415
45	254054080295401	G 1487	470	110	252115080293701	G 3621	413
46	254830080284201	G 1488	515	111	252955080340701	G 3622	433
47	252656080350301	G 1502	423	112	253708080304201	G 3626	455
48	255707080255001	G 1637	554	113	253632080321101	G 3627	454
49	254157080214002	G 3074	481	114	253539080320501	G 3628	452
50	254946080172601	G 3250	526	115	254720080253002	G 3676	505
51	255027080245501	G 3253	535	116	252814080244101	G 3698	424
52	255026080240302	G 3259A	533	117	252652080244301	G 3699	421
53	255027080221602	G 3264A	534	118	253027080234701	G 3700	437
54	253952080321501	G 3272	463	119	253214080224601	G 3701	442
55	253831080180206	G 3313E	459	120	253334080213601	G 3702	446
56	254823080163701	G 3327	513	121	254822080125501	G 3704	511
57	254741080162101	G 3328	508	122	255625080094901	G 3705	551
58	254752080181501	G 3329	509	123	255035080255401	G 3760	536
59	251724080341401	G 3353	410	124	255035080255402	G 3761	537
60	251855080283401	G 3354	411	125	255526080143001	S 18	548
61	252332080300501	G 3355	416	126	254832080175001	S 19	516
62	252502080253901	G 3356	418	127	254857080171101	S 68	522
63	253400080340401	G 3437	448	128	253549080214101	S 182A	453
64	254421080260201	G 3439	495	129	253029080295601	S 196A	439
65	254823080175201	G 3465	514				

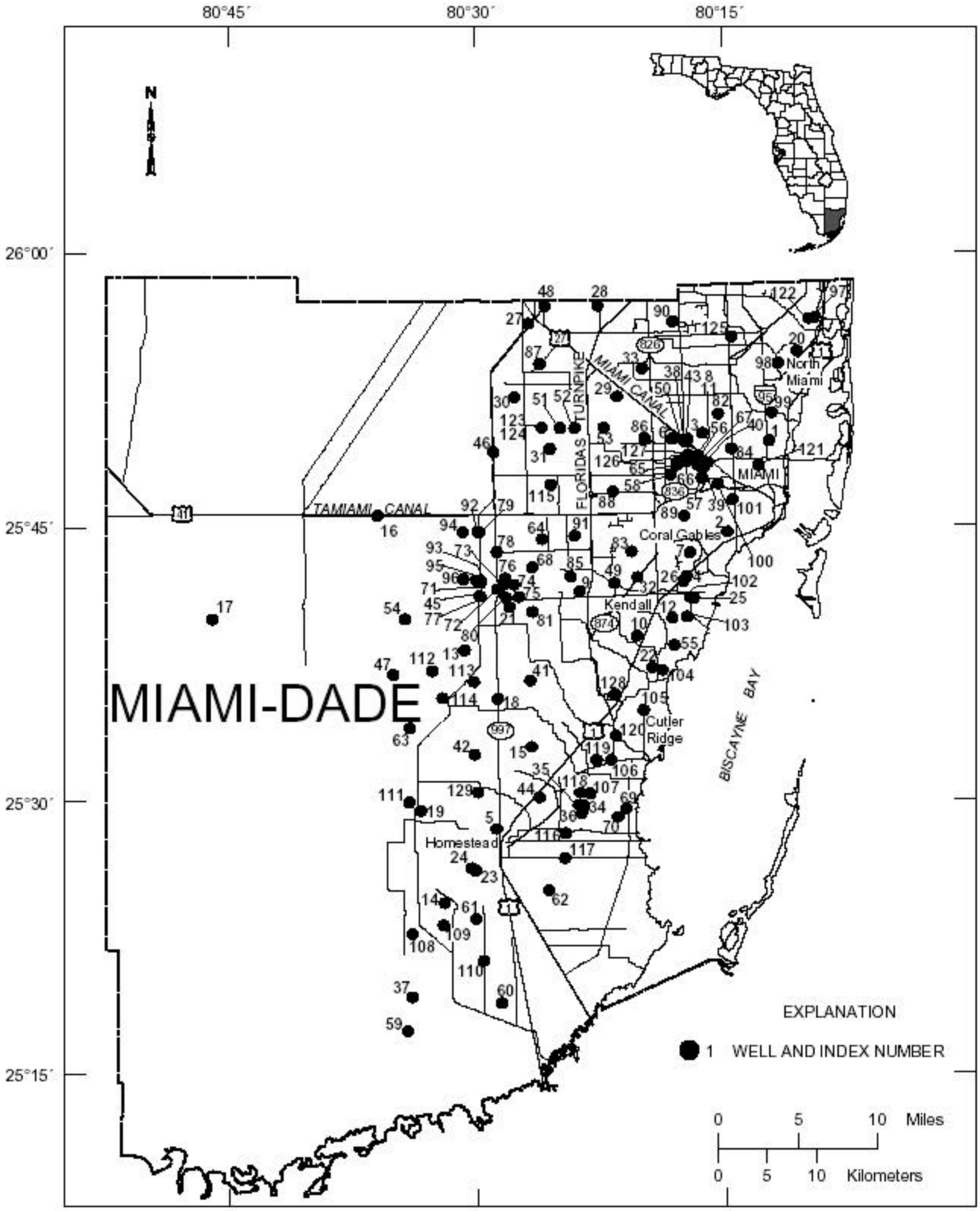


Figure 19: Location of wells in Miami-Dade County

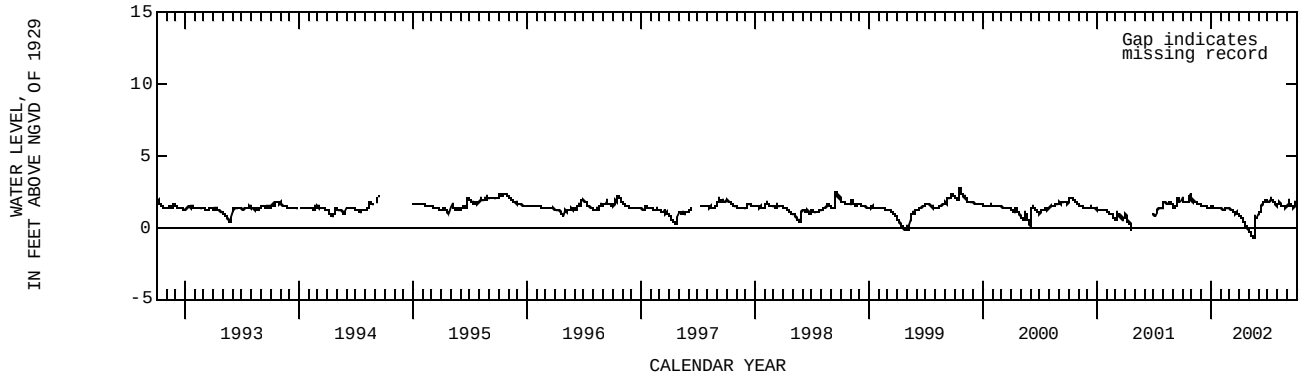
MIAMI-DADE COUNTY

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 $^{1}/_{4}$ SW $^{1}/_{4}$ 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, 0.84 ft below NGVD, May 18, 19, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.83	1.85	1.46	1.42	1.27	1.22	0.75	-0.36	1.06	1.65	1.60	1.81
10	1.81	1.76	1.48	1.42	1.28	1.19	0.61	-0.56	1.33	2.07	1.69	1.69
15	1.74	1.68	1.45	1.41	1.24	1.12	0.41	-0.72	1.84	1.89	1.55	1.59
20	1.82	1.64	1.42	1.39	1.25	0.99	0.20	0.75	1.73	1.76	1.51	1.38
25	2.30	1.58	1.38	1.36	1.32	1.01	0.05	0.66	1.89	1.64	1.41	1.71
EOM	1.86	1.52	1.43	1.32	1.30	0.86	-0.16	0.89	1.74	1.69	1.40	1.50
MAX	2.30	1.85	1.51	1.44	1.34	1.29	0.82	0.89	1.89	2.07	1.76	1.89



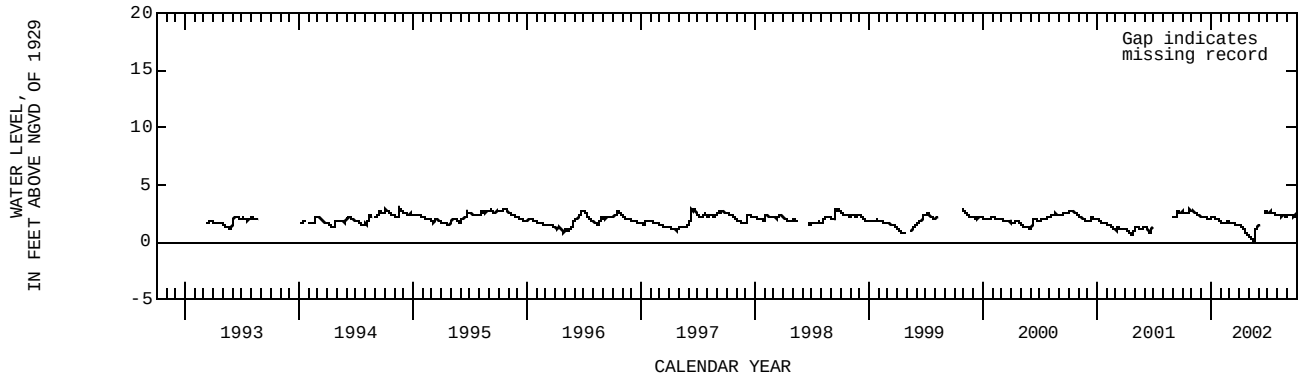
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 September 1993, top of base was considered to be 6.88 ft above land-surface datum. From October 1993 to September 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, 0.07 ft NGVD, May 18, 19, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.60	2.68	2.16	2.20	1.75	1.68	1.40	0.42	1.56	2.57	2.32	2.36
10	2.54	2.53	2.17	2.14	1.74	1.65	1.28	0.23	---	2.75	2.32	2.38
15	2.47	2.42	2.14	2.07	1.70	1.59	1.13	0.12	---	2.59	2.26	2.33
20	2.64	2.36	2.12	2.01	1.72	1.48	0.93	0.83	2.39	2.48	2.29	2.24
25	2.77	2.28	2.06	1.89	1.76	1.53	0.75	1.08	2.73	2.35	2.25	2.34
EOM	2.63	2.22	2.09	1.79	1.75	1.46	0.63	1.41	2.54	2.30	2.22	2.23
MAX	2.91	2.68	2.21	2.20	1.78	1.74	1.45	1.41	---	2.75	2.35	2.39



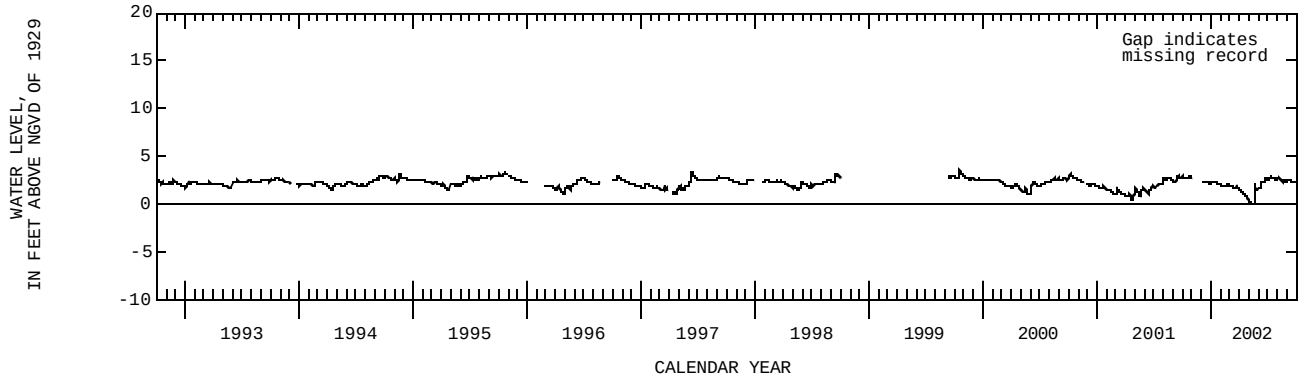
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--251922080340701. Local Number G 1251. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°19'16", long 80°33'58", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.77	---	---	2.32	1.94	1.81	1.43	0.29	1.72	2.55	2.59	2.41
10	2.77	---	2.34	2.30	1.98	1.81	1.25	0.09	2.15	2.92	2.61	2.44
15	2.66	---	2.32	2.23	1.88	1.72	1.10	0.07	2.40	2.78	2.46	2.40
20	2.71	---	2.28	2.18	1.89	1.58	0.91	1.84	2.46	2.70	2.44	2.31
25	3.03	---	2.21	2.09	2.06	1.77	0.70	1.54	2.66	2.62	2.49	2.42
EOM	2.75	---	2.24	1.99	1.95	1.51	0.49	1.62	2.55	2.66	2.43	2.33
MAX	3.03	---	---	2.33	2.07	1.93	1.48	2.04	2.66	2.92	2.66	2.47



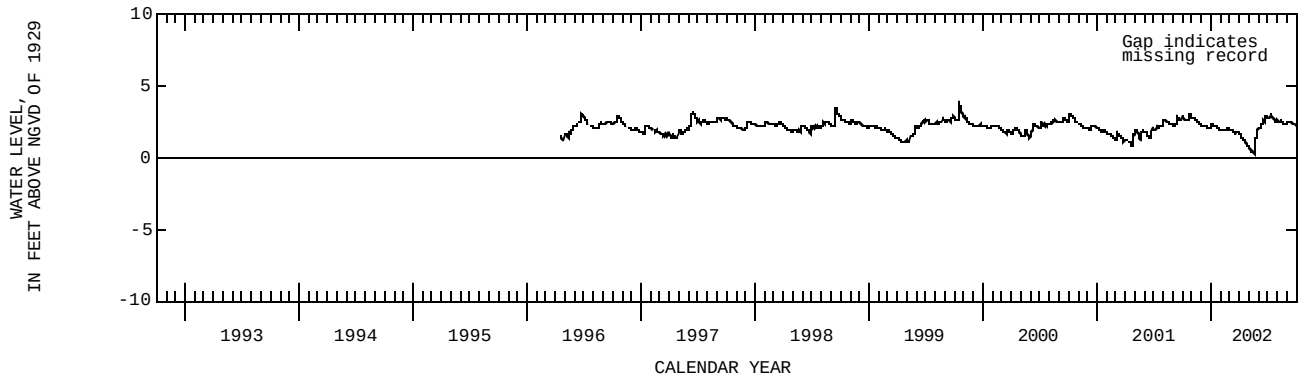
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 Canal.
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, 0.30 ft above NGVD, May 18, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.71	2.75	2.23	2.31	1.87	1.83	1.57	0.60	2.03	2.73	2.46	2.50
10	2.63	2.64	2.24	2.25	1.98	1.85	1.39	0.42	2.13	3.05	2.44	2.53
15	2.60	2.55	2.20	2.18	1.89	1.74	1.26	0.43	2.51	2.83	2.45	2.44
20	2.74	2.45	2.16	2.10	1.90	1.59	1.10	1.37	2.67	2.71	2.41	2.35
25	2.99	2.37	2.10	2.01	2.00	1.83	0.93	1.37	2.95	2.56	2.35	2.38
EOM	2.74	2.31	2.18	1.91	1.93	1.65	0.78	2.06	2.74	2.50	2.35	2.28
MAX	3.08	2.75	2.29	2.37	2.03	1.91	1.62	2.06	2.95	3.05	2.58	2.53



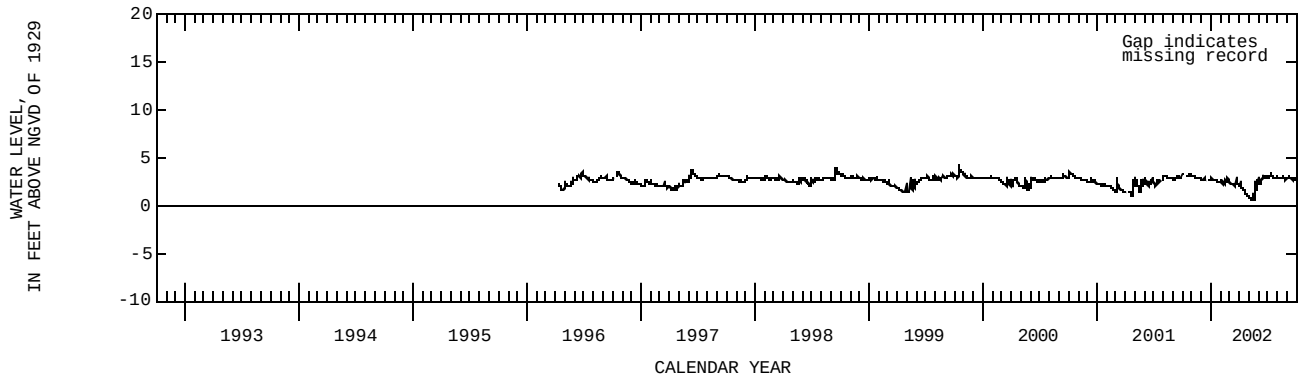
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252243080335501. Local Number G 3619. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°22'43", long 80°33'55", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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.
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, 0.47 ft NGVD, May 13, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.06	3.06	2.74	2.76	2.33	2.24	2.00	0.77	2.35	2.93	2.88	3.02
10	---	2.96	2.80	2.69	2.39	2.25	1.80	0.57	2.41	3.28	2.84	2.85
15	2.96	2.90	2.73	2.62	2.32	2.14	1.62	0.60	3.04	3.08	2.84	2.79
20	3.07	2.85	---	2.54	2.39	1.99	1.41	2.56	2.92	2.97	3.00	2.77
25	3.26	2.81	2.62	2.45	2.58	2.43	1.19	1.58	3.18	2.91	2.81	2.80
EOM	3.06	2.78	2.83	2.35	2.39	2.00	0.99	2.87	2.89	3.06	2.81	2.77
MAX	---	3.06	---	2.96	2.79	2.81	2.55	2.87	3.18	---	3.00	3.02



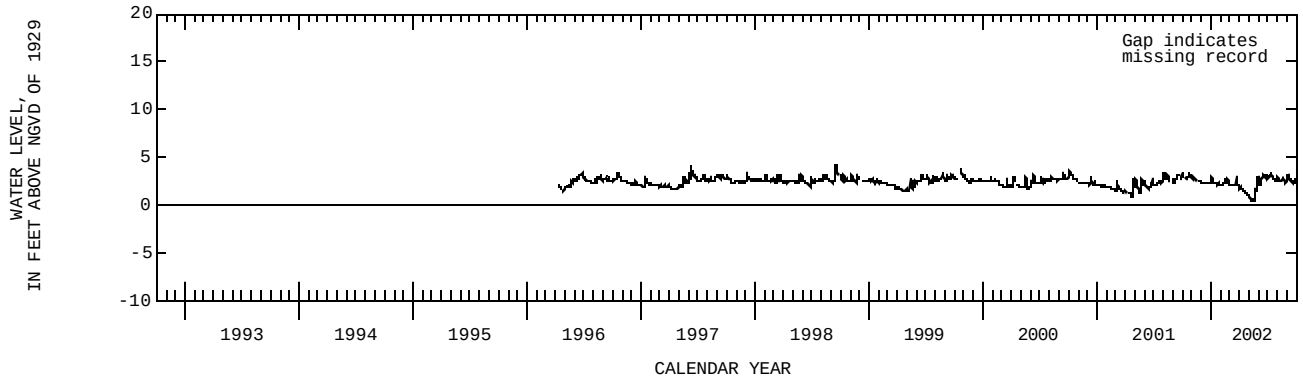
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252312080320301. Local Number G 3620. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°23'12",long 80°32'01", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ NW $^{1}/_{4}$ 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 12 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, 0.41 ft NGVD, May 13, 18, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.81	2.94	2.33	2.63	2.08	2.10	1.89	0.72	2.09	2.88	2.63	3.12
10	---	2.69	2.39	2.32	2.32	2.13	1.67	0.52	2.38	3.32	2.53	2.65
15	2.70	2.59	2.34	2.27	2.15	2.02	1.51	0.56	3.20	2.97	2.55	2.46
20	3.06	---	2.30	2.16	2.11	1.86	1.32	1.49	3.03	2.83	2.71	2.44
25	3.23	2.45	2.28	2.21	2.31	2.30	1.11	1.51	3.24	2.73	2.44	2.60
EOM	2.85	2.38	2.71	2.14	2.13	1.88	0.93	2.87	2.85	3.03	2.70	2.38
MAX	---	---	2.71	2.93	2.69	2.92	1.91	2.95	3.24	3.32	2.99	3.20



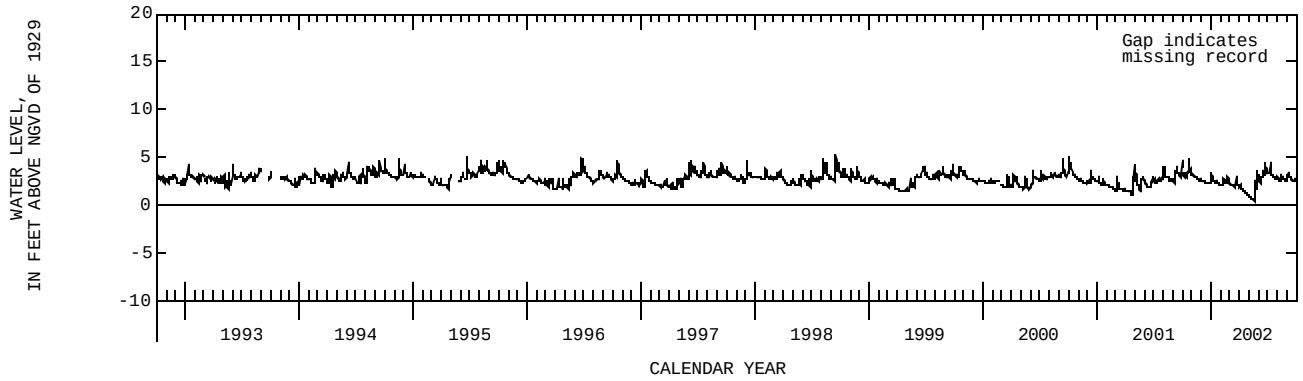
MIAMI-DADE COUNTY--Continued

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 1/4 SW 1/4 SE 1/4 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, 0.54 ft NGVD, May 18, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.10	3.26	2.45	2.81	2.06	2.10	1.90	0.88	2.49	3.16	2.66	3.22
10	3.30	3.02	2.46	2.58	2.68	2.11	1.68	0.68	2.73	4.32	2.62	2.90
15	2.93	2.85	2.41	2.37	2.17	2.00	1.53	0.68	3.68	3.16	2.77	2.70
20	3.65	2.75	2.39	2.37	2.17	1.82	1.40	2.58	3.67	3.04	2.76	2.57
25	3.69	2.63	2.26	2.22	2.58	2.22	1.20	1.68	4.01	2.80	2.57	2.69
EOM	3.12	2.69	2.78	2.13	2.32	1.92	1.05	3.26	3.15	2.92	2.82	2.48
MAX	---	3.26	2.78	3.35	2.85	2.85	2.02	3.48	4.37	4.32	3.13	3.28



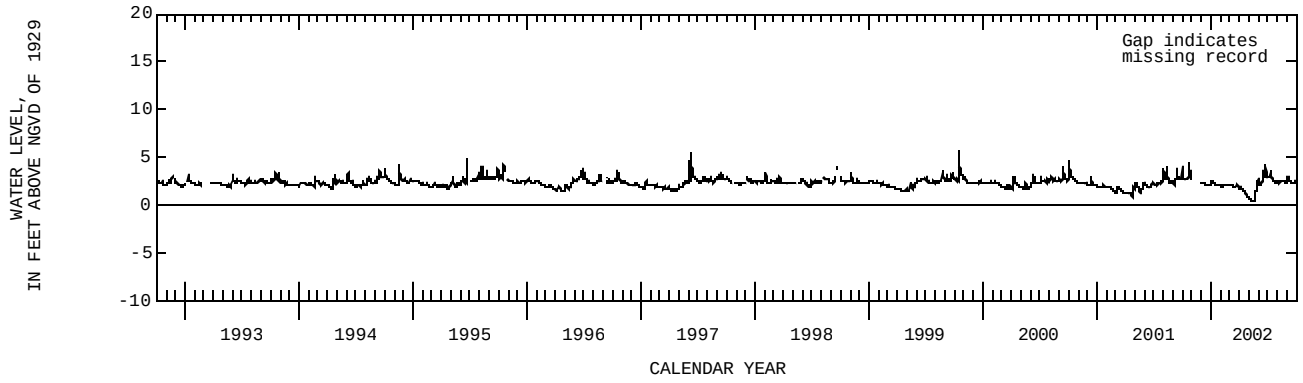
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.70	---	2.42	2.39	1.94	2.02	1.83	0.68	2.18	2.77	2.42	2.95
10	2.75	---	2.23	2.22	2.13	2.03	1.62	0.49	2.23	3.68	2.44	2.58
15	2.58	---	2.20	2.14	2.04	1.91	1.45	0.48	3.50	2.77	2.44	2.42
20	3.03	---	2.16	2.04	2.03	1.76	1.28	1.31	2.97	2.60	2.55	2.30
25	3.54	---	2.15	2.11	2.09	2.10	1.06	1.49	3.99	2.46	2.37	2.41
EOM	2.77	2.39	2.27	2.01	2.07	1.79	0.89	2.71	2.69	2.60	2.40	2.26
MAX	4.41	---	2.42	2.54	2.21	2.12	1.84	2.71	4.12	3.68	2.60	3.03



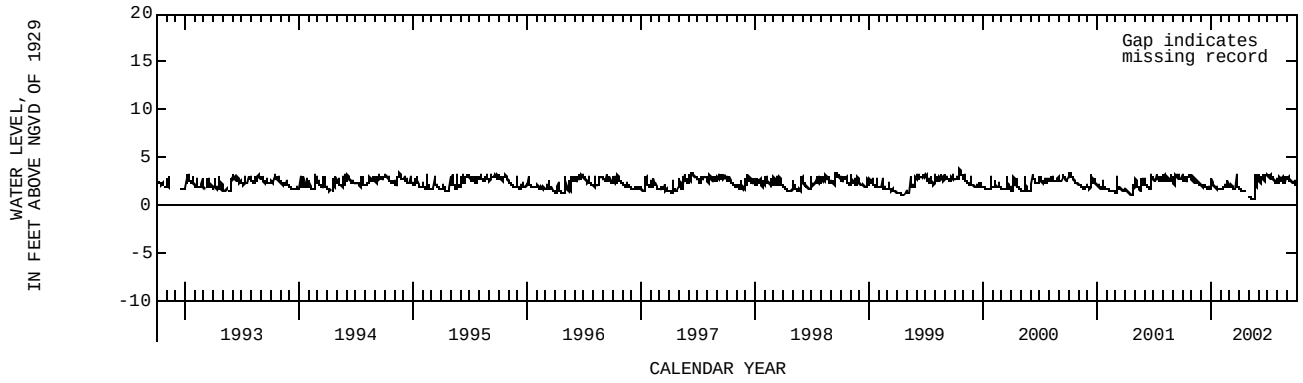
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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, 0.60 ft NGVD, May 18, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.63	2.96	1.92	2.20	1.64	1.77	1.63	0.89	2.43	2.98	2.87	2.92
10	2.92	2.50	2.00	1.98	1.91	1.79	1.51	0.73	2.48	3.04	2.76	2.57
15	2.43	2.33	1.87	1.82	1.78	1.67	1.44	0.68	3.08	2.72	2.74	2.34
20	3.01	2.25	1.76	1.81	1.79	1.58	1.30	3.06	2.73	2.84	2.66	2.25
25	3.07	2.10	1.73	1.74	1.97	2.15	---	1.92	3.10	2.49	3.03	2.26
EOM	2.72	1.97	2.59	1.69	1.88	1.75	---	2.91	3.06	2.66	2.66	2.11
MAX	3.14	2.96	2.59	2.83	2.43	3.07	---	---	3.15	3.13	3.05	3.05



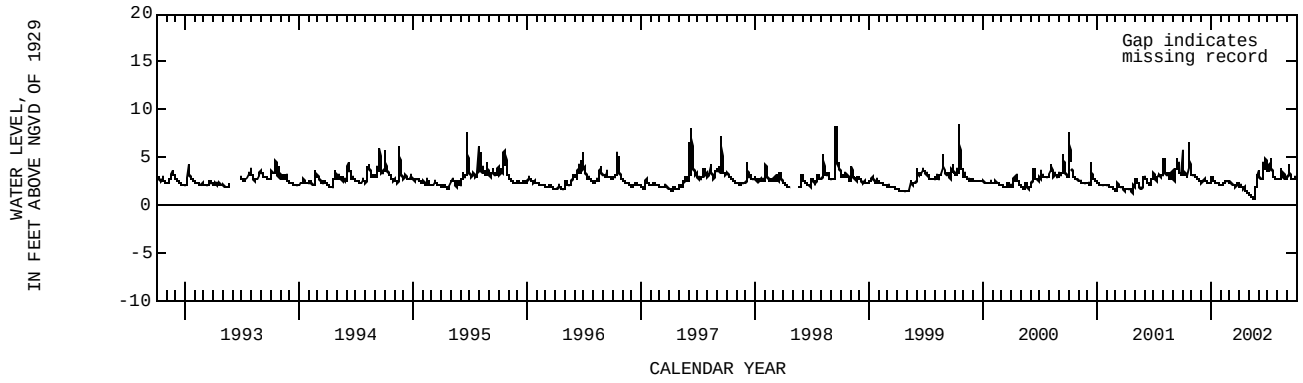
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.23	3.07	2.43	2.84	2.07	2.23	2.09	1.10	2.89	3.64	2.69	3.31
10	3.36	2.97	2.62	2.49	2.26	2.19	1.96	0.90	2.69	4.64	2.82	3.30
15	2.96	2.80	2.53	2.35	2.29	2.06	1.79	0.76	4.45	3.52	3.12	2.88
20	3.81	2.72	2.34	2.31	2.34	1.94	1.65	1.37	3.62	3.01	3.19	2.67
25	4.11	2.56	2.30	2.24	2.53	2.35	1.43	1.91	4.75	2.78	2.87	2.86
EOM	3.20	2.47	2.39	2.15	2.37	2.05	1.26	3.48	3.38	2.78	2.79	2.65
MAX	6.43	3.12	2.66	2.96	2.54	2.35	2.10	3.48	4.75	4.92	3.73	4.22



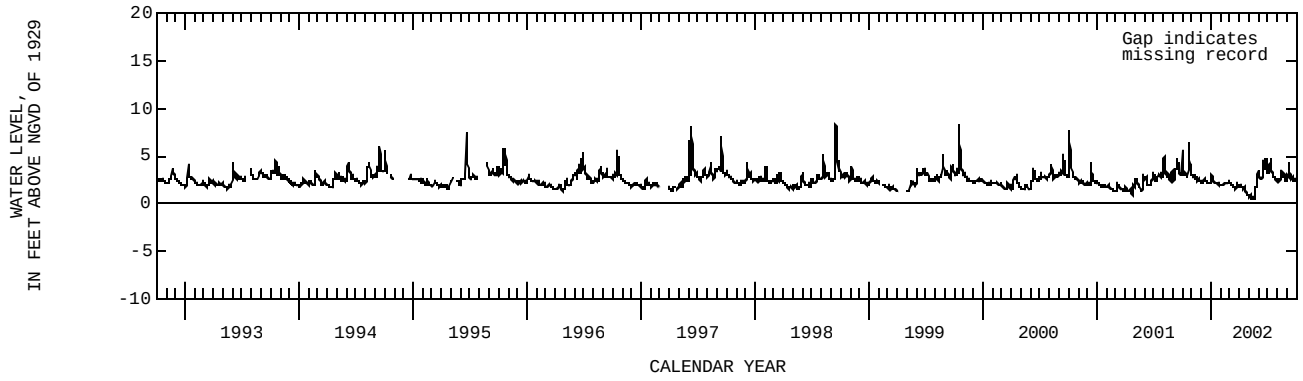
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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.
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 U.S. Geological Survey. See DATUM. Records of water levels prior to October 1973 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.03	2.91	2.25	2.68	1.89	1.99	1.90	0.83	2.73	3.30	2.38	3.15
10	3.15	2.75	2.43	2.26	1.99	1.95	1.73	0.60	2.46	4.51	2.56	3.16
15	2.76	2.52	2.38	2.16	2.09	1.82	1.57	0.51	4.40	3.24	2.85	2.68
20	3.58	2.60	2.18	2.13	2.13	1.68	1.35	1.05	3.47	2.80	2.97	2.42
25	3.92	2.30	2.13	2.05	2.26	2.11	1.12	1.68	4.78	2.47	2.62	2.65
EOM	2.97	2.28	2.13	1.99	2.15	1.75	0.94	3.34	3.12	2.68	2.55	2.40
MAX	6.29	3.02	2.63	2.97	2.41	2.14	1.90	3.34	4.78	4.71	3.47	4.19



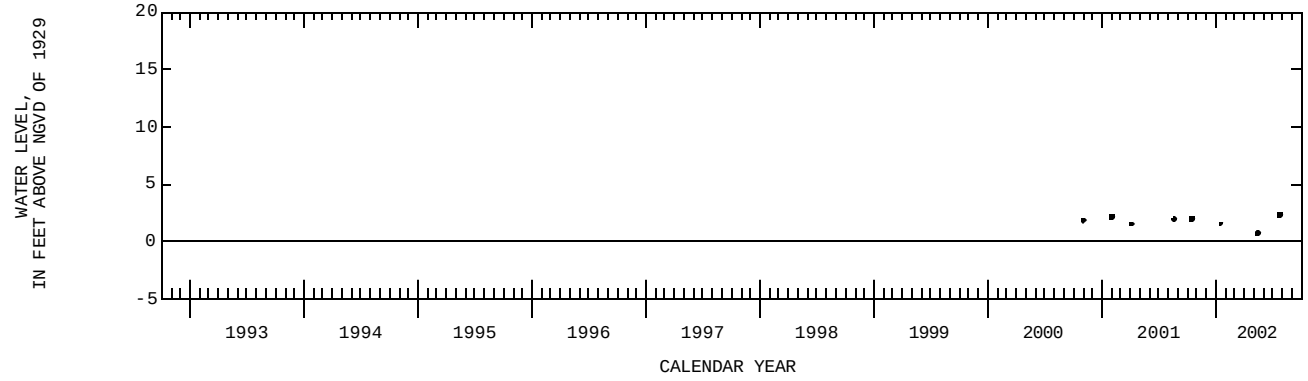
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252652080244301. Local Number G 3699. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°26'52", long 80°24'43", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ sec.23, T.57 S., R.39 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 2.29 ft NGVD, July 23, 2002; lowest, 0.70 ft NGVD, May 15, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

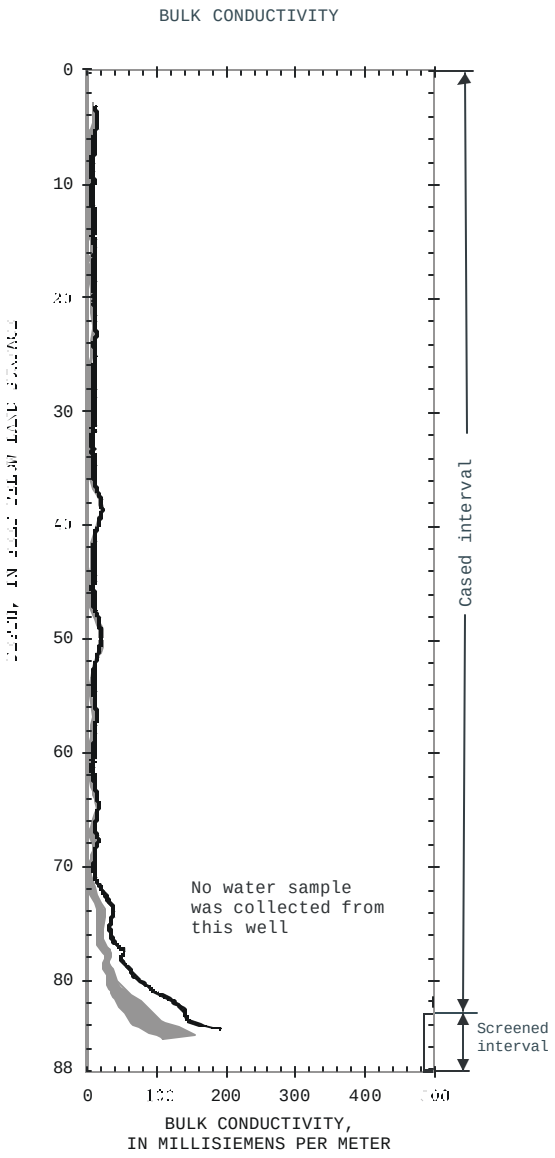
Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
16...	0725	1.95	15...	1340	.70
JAN			JUL		
16...	1409	1.52	23...	0815	2.29

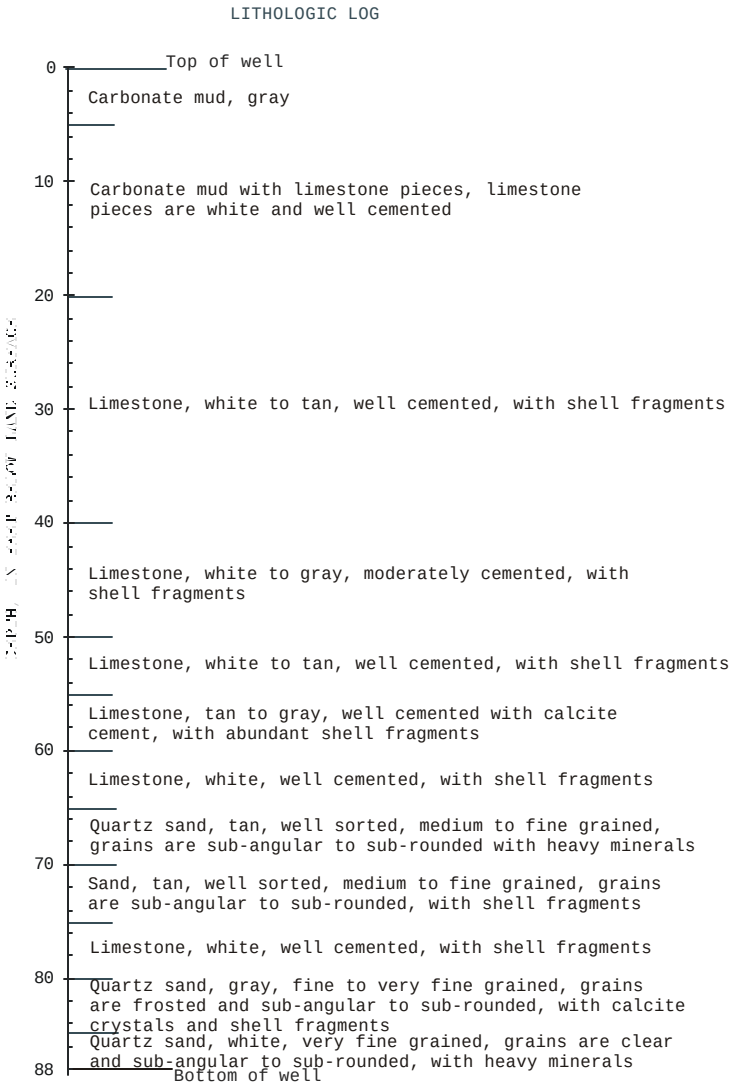


MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252652080244301. Local Number G 3699. USGS Observation Well near Homestead, FL.

252652080244301 G-3699





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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 15,2002

Shaded line represents bulk conductivity in millisiemens per meter April 18, 2000 to April 4, 2001

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

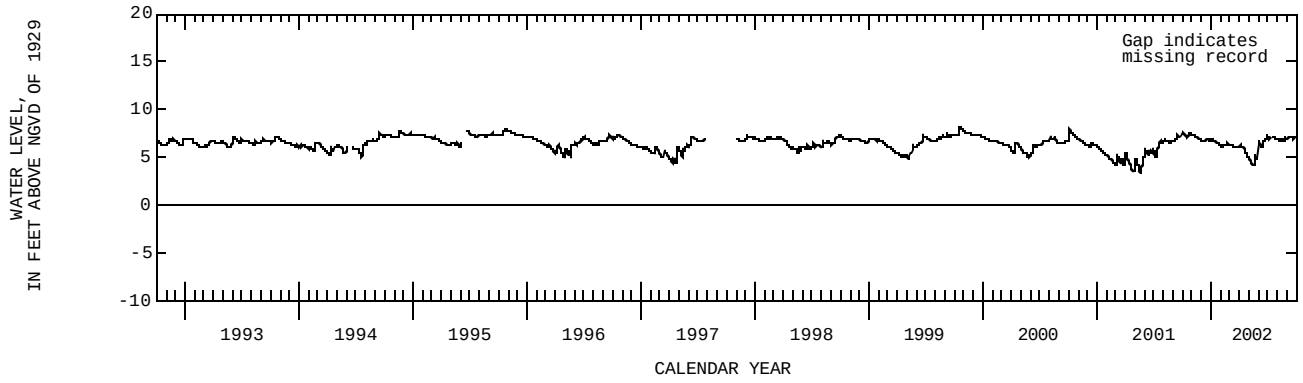
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252656080350301. Local Number G 1502. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°36'56", long 80°35'03", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.57	7.33	6.75	6.85	6.07	6.16	6.24	4.72	6.42	6.92	6.82	7.10
10	7.28	7.24	6.79	6.73	6.36	6.21	6.09	4.40	6.24	7.21	6.77	7.09
15	7.17	7.11	6.84	6.63	6.33	6.10	5.99	4.12	6.79	---	6.86	7.11
20	7.27	7.03	6.86	6.52	6.15	6.03	5.66	4.75	6.95	7.13	6.81	7.02
25	7.48	6.93	6.85	6.37	6.40	6.11	5.35	4.93	6.93	7.04	6.80	7.12
EOM	7.35	6.87	6.82	6.22	6.33	6.03	5.02	6.38	7.27	6.90	6.91	7.07
MAX	7.61	7.33	6.86	6.87	6.41	6.30	6.24	6.38	7.27	---	7.13	7.14



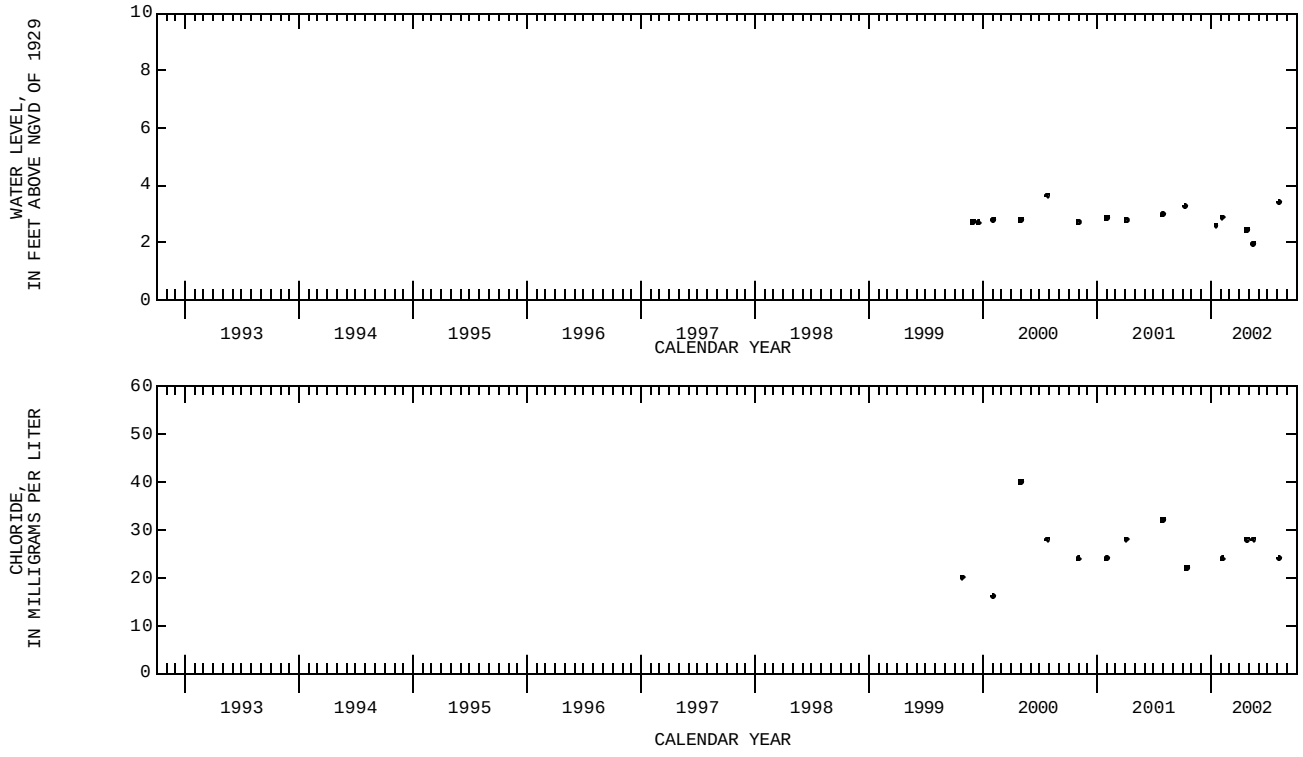
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252814080244101. Local Number G 3698. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°28'13", long 80°24'41", in NW 1/4 NW 1/4 SW 1/4 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier.
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, 1.94 ft NGVD, May 16, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

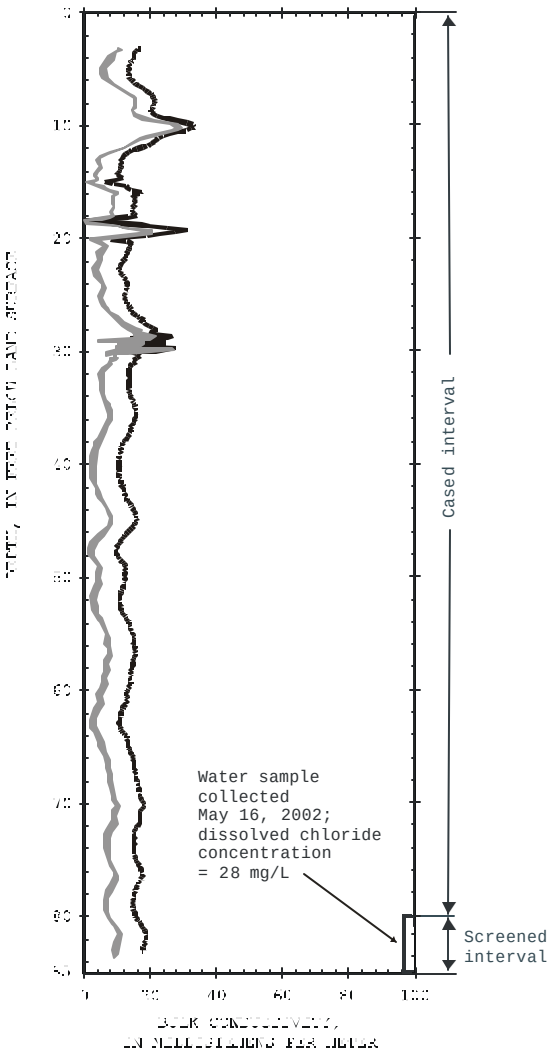
Date	Time	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	ELEV-ATION ABOVE NGVD (FEET) (72020)
OCT				
11...	1038	--	--	3.24
16...	0801	375	22.0	--
JAN				
16...	1359	--	--	2.59
FEB				
06...	1124	365	24.0	2.87
APR				
26...	1020	363	28.0	2.43
MAY				
16...	1210	351	28.0	1.94
AUG				
08...	0907	370	24.0	3.39



WELL NUMBER.--252814080244101. Local Number G 3698. USGS Observation Well near Homestead, FL.

252814080244101 G-3698

BULK CONDUCTIVITY



LITHOLOGIC LOG

Top of well

Quartz sand, tan, well sorted, fine to very fine grained, grains are sub-angular to sub-rounded, with heavy minerals and organic matter

Quartz sand, tan, fine to very fine grained, grains are sub-angular to sub-rounded, with organic matter; limestone, well cemented, with shell fragments

Limestone concretions, white, well cemented, with shell fragments

Limestone concretions, white, well cemented, with shell fragments and heavy minerals; quartz sand, very fine grained

Limestone, white, well cemented with shell fragments

Limestone, white to orange, well cemented, with shell fragments; quartz sand, well sorted, sub-rounded with concretions

Limestone, white, well cemented, with shell fragments

Limestone, white, well cemented, with abundant shell fragments; quartz sand, fine to very fine grained and grains are sub-angular to sub-rounded; heavy minerals

Limestone, white, well cemented with calcite, with shell fragments; quartz sand, fine to very fine grained and grains are sub-angular to sub-rounded

Limestone, white, well cemented, with shell fragments

Limestone, well cemented, with shell fragments; sand, well sorted, fine grained, and grains are rounded

Limestone, well cemented, with shell fragments; quartz sand, well sorted, with oyster shell fragments

Limestone, well cemented, with shell fragments; quartz sand, well sorted, with heavy minerals

Quartz sand, gray, well sorted, very fine grained, grains are frosted, and sub-angular to sub-rounded with heavy minerals, shell fragments, and calcite crystals

Bottom of well

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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 16, 2002

Shaded area represents range in bulk conductivity logs collected annually from April 11, 2000 to April 4, 2001

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

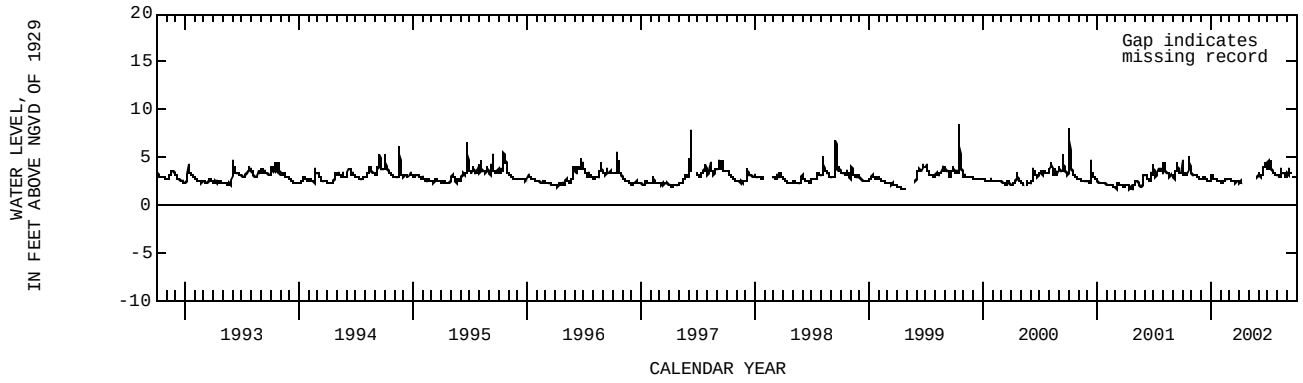
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252829080285101. Local Number F 358. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°28'29", long 80°28'51", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.26	3.14	2.69	3.01	2.38	2.58	2.46	---	3.12	3.97	3.02	3.46
10	3.41	3.20	2.82	2.74	2.49	2.51	2.39	---	2.99	4.57	3.05	3.40
15	3.12	3.03	2.76	2.67	2.64	2.43	2.23	---	3.84	3.59	3.38	---
20	3.62	2.89	2.65	2.62	2.64	2.35	---	---	3.75	3.36	3.24	2.93
25	3.93	2.83	2.59	2.56	2.69	2.62	---	---	4.38	3.22	3.17	3.04
EOM	3.29	2.71	2.66	2.45	2.70	2.46	---	3.17	3.50	3.02	3.02	2.94
MAX	5.08	3.23	2.85	3.07	2.70	2.69	---	---	4.38	4.63	3.87	---



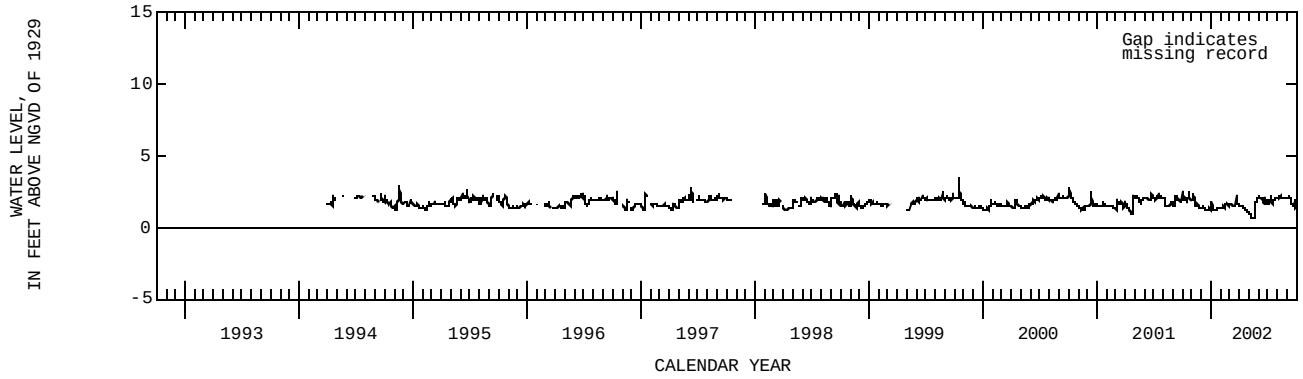
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252906080213101. Local Number G 3550. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'08", long 80°21'31", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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, 0.59 ft NGVD, May 18, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.94	2.29	1.29	1.42	1.38	1.59	1.45	0.91	2.05	1.48	2.03	2.09
10	2.07	1.70	1.33	1.24	1.45	1.52	1.45	0.72	2.08	2.14	2.13	2.05
15	1.70	1.54	1.24	1.22	1.57	1.49	1.39	0.62	1.99	1.60	2.11	1.64
20	2.06	1.52	1.20	1.32	1.52	1.47	1.26	1.55	1.55	1.96	2.02	1.39
25	1.93	1.31	1.27	1.34	1.45	1.74	1.15	1.74	1.76	2.02	2.00	1.74
EOM	1.94	1.32	1.61	1.38	1.58	1.53	1.06	2.09	1.75	2.04	2.07	1.48
MAX	2.41	2.29	1.61	1.76	1.69	2.15	1.51	2.09	2.16	2.26	2.13	2.22



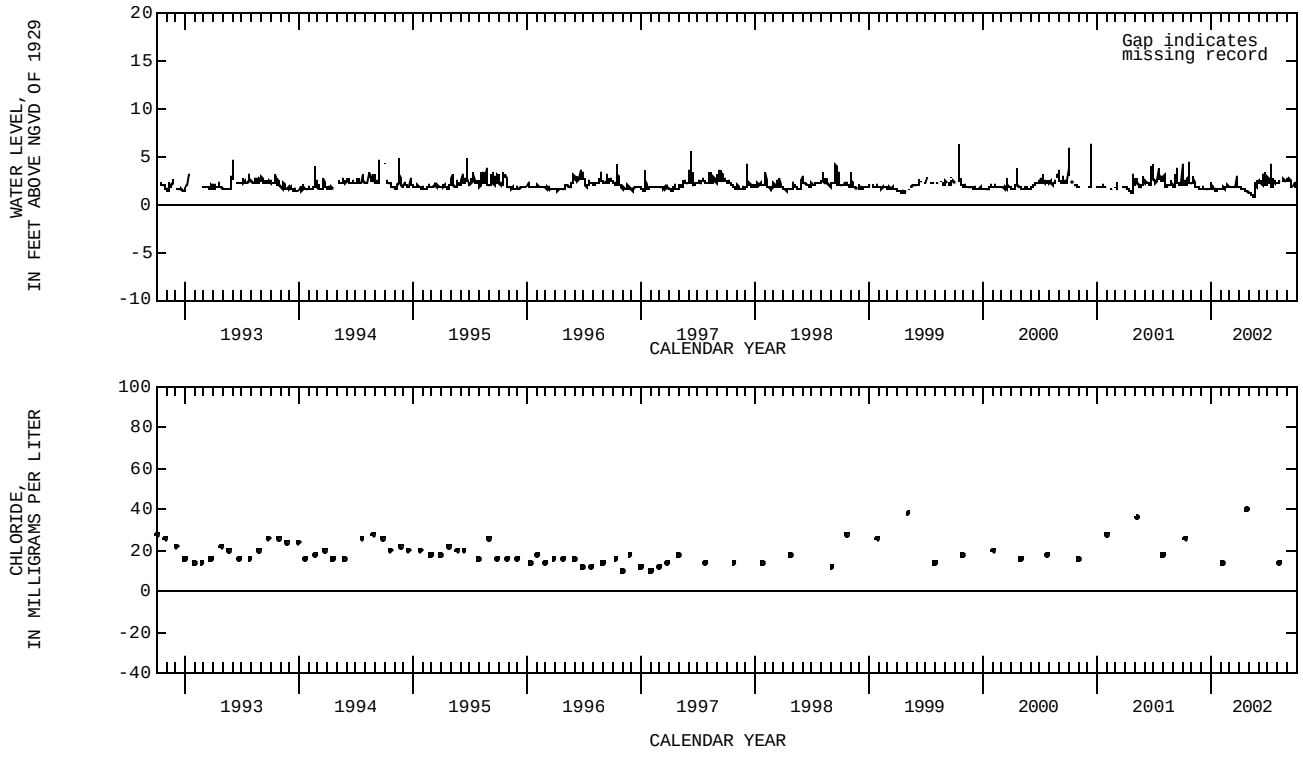
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252918080234201. Local Number G 1183. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'18", long 80°23'42", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 U.S. 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 and May 18, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.11	2.80	1.62	1.73	1.69	1.87	1.72	1.13	2.24	2.12	2.23	2.61
10	2.41	2.00	1.63	1.53	1.80	1.77	1.70	0.96	2.23	4.10	2.52	2.57
15	1.98	1.82	1.56	1.52	1.80	1.76	1.62	0.86	3.00	1.88	---	1.93
20	2.60	1.84	1.51	1.72	1.79	1.73	1.50	1.64	1.96	2.40	2.33	1.85
25	2.16	1.64	1.57	1.72	1.78	2.00	1.41	1.92	2.15	2.40	2.26	2.10
EOM	2.24	1.61	1.80	1.72	1.89	1.77	1.28	2.41	2.28	2.25	2.41	1.88
MAX	4.41	2.80	1.80	2.18	1.98	2.97	1.77	2.41	3.23	4.10	---	2.70



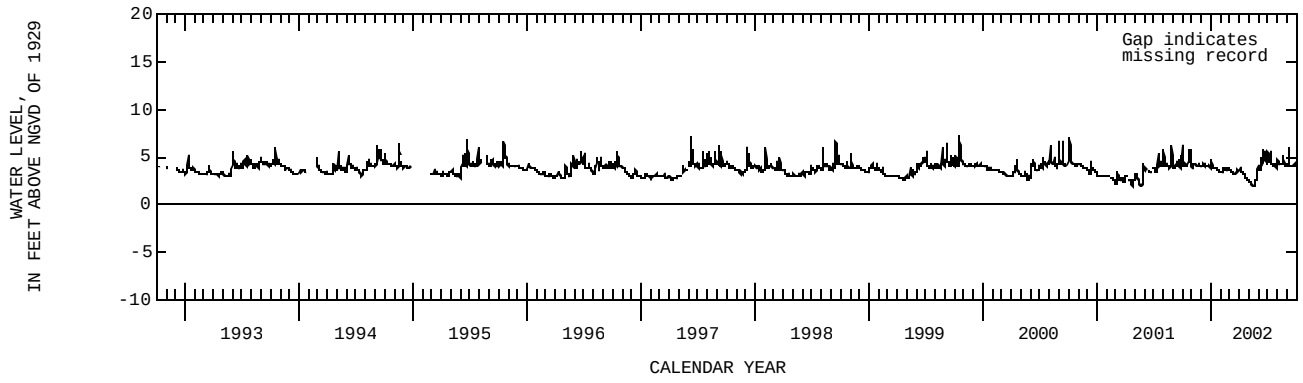
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252928080332401. Local Number G 789. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'28", long 80°33'24", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.06	4.19	4.12	4.08	3.34	3.41	3.83	2.32	3.61	4.30	4.16	5.91
10	4.32	4.27	4.04	3.94	3.84	3.34	3.48	2.12	3.93	5.44	4.18	4.06
15	4.03	4.08	4.11	3.84	3.60	3.32	3.22	1.95	5.77	4.23	4.21	4.06
20	4.37	4.12	4.04	3.82	3.46	3.25	2.97	2.40	5.31	4.05	5.19	3.97
25	5.82	4.04	3.93	3.60	3.84	3.57	2.78	2.70	4.69	4.25	4.10	4.27
EOM	4.02	3.95	4.19	3.43	3.61	3.41	2.52	4.09	4.42	4.52	4.11	4.08
MAX	5.82	4.32	4.26	4.76	3.95	3.58	3.88	4.09	5.77	5.62	5.19	---



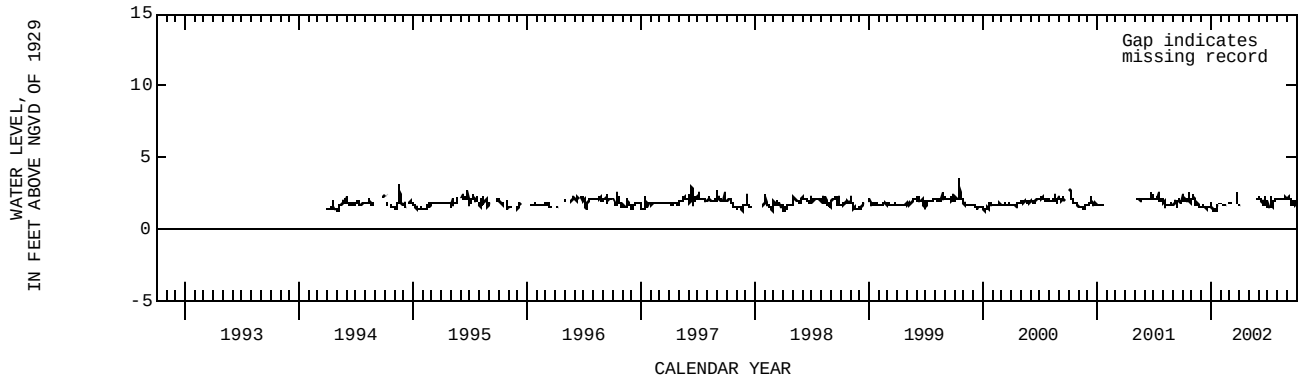
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252933080210001. Local Number G 3549. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'33", long 80°21'00", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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, 2.97 ft above land-surface datum. Prior to June 27, 2002, the top of base was 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.98	2.32	1.59	1.41	---	1.73	---	---	2.11	1.40	2.04	2.13
10	2.07	1.80	1.55	1.28	1.72	---	---	---	2.11	2.10	2.16	2.12
15	1.89	1.67	1.45	1.27	1.70	---	---	---	1.97	1.54	2.14	1.74
20	2.08	1.65	1.40	1.70	1.72	---	---	---	1.74	1.96	2.06	1.88
25	1.85	1.51	1.51	1.70	1.71	1.72	---	---	1.77	2.02	2.06	1.83
EOM	2.05	1.54	1.52	1.72	1.73	1.72	---	2.13	1.69	2.03	2.10	1.77
MAX	2.51	2.32	1.64	---	---	---	---	---	2.22	2.30	2.20	2.18



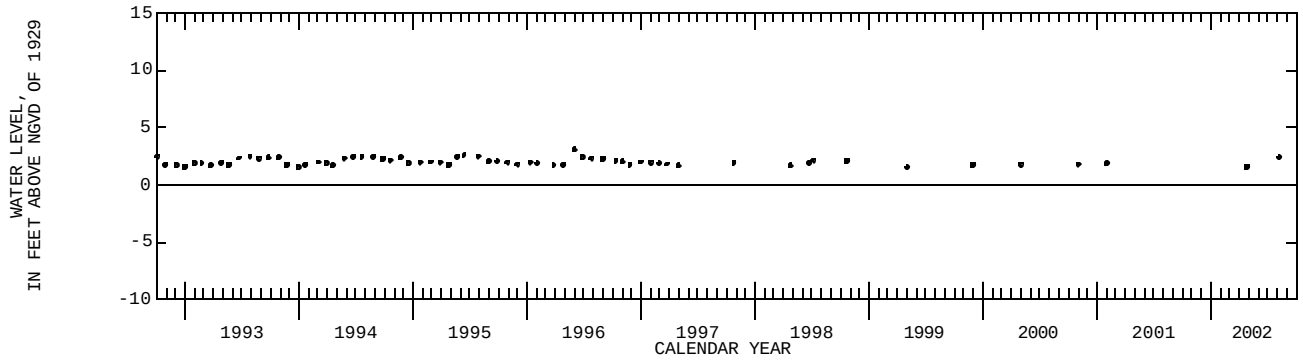
MIAMI-DADE COUNTY--Continued

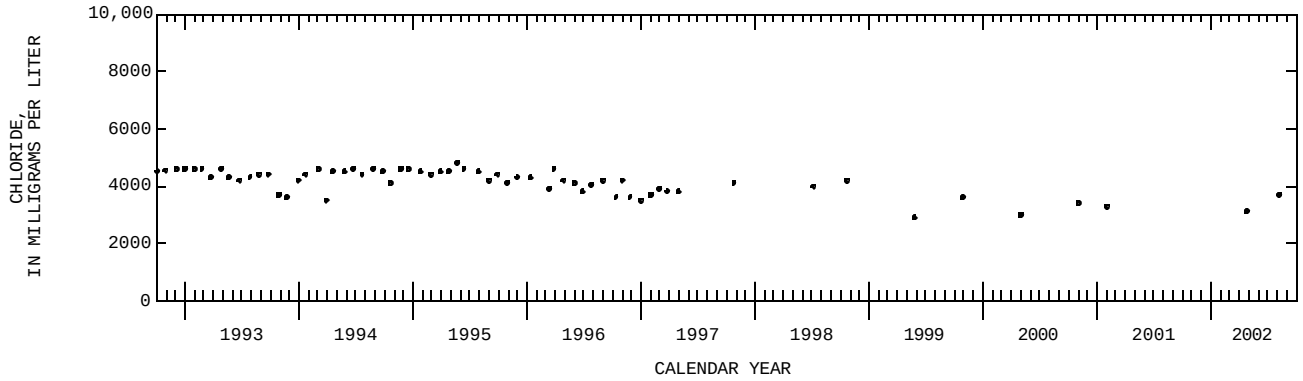
WELL NUMBER.--252944080233401. Local Number G 1179. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'44", long 80°23'34", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 80 ft. (Corrected).
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
APR					AUG				
26...	0915	9440	3100	1.52	08...	0940	11000	3700	2.37





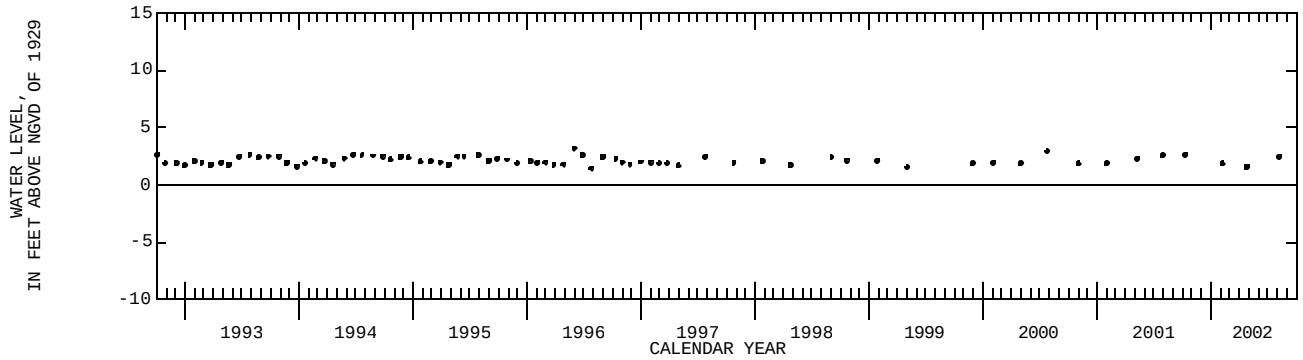
MIAMI-DADE COUNTY--Continued

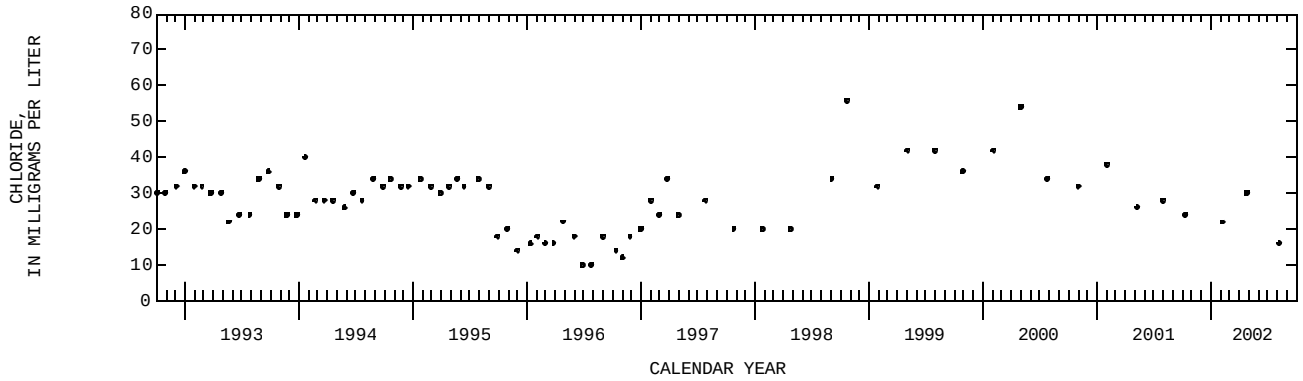
WELL NUMBER.--252947080235301. Local Number G 1180. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'47", long 80°23'53", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.2, T.53 S., R.57 E., Hydrologic Unit 03090202, 23 mi southwest of Miami, 3 mi southeast of US Highway 1, 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
10...	1428	477	24.0	2.57	26...	1000	503	30.0	1.53
FEB					AUG				
06...	1043	473	22.0	1.86	08...	1034	418	16.0	2.45





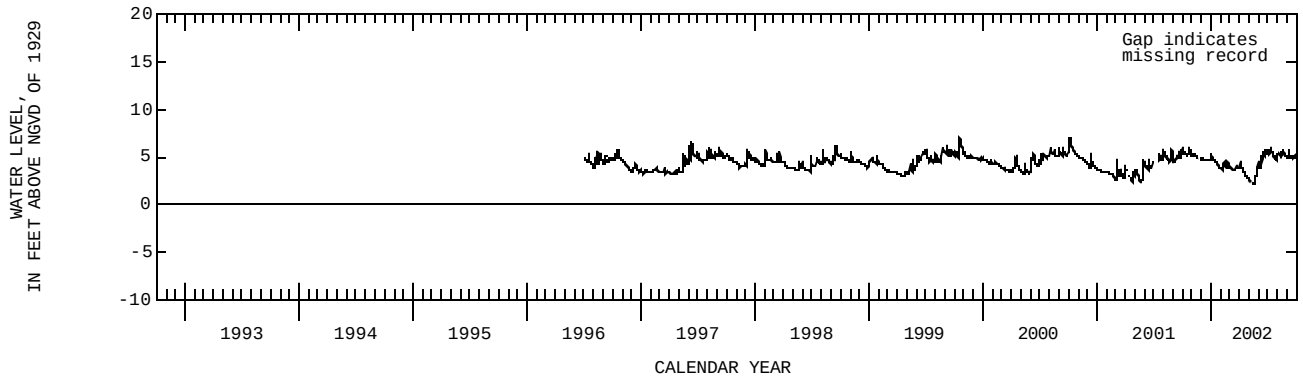
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--252955080340701. Local Number G 3622. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'55", long 80°34'07", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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, 2.11 ft NGVD, May 15, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.35	5.24	4.72	4.83	3.71	3.73	4.19	2.46	3.82	5.36	5.15	5.62
10	5.40	5.17	4.71	4.64	4.38	3.65	3.76	---	4.14	5.87	5.21	5.20
15	5.12	5.00	4.71	4.49	3.90	3.67	3.49	2.11	5.58	5.53	5.13	5.05
20	5.27	4.92	4.67	4.32	3.73	3.57	3.20	2.76	5.56	5.10	5.68	5.01
25	5.84	---	4.64	4.02	4.18	3.84	2.97	2.94	5.54	5.06	5.15	5.00
EOM	5.16	4.75	4.97	3.85	3.91	3.67	2.70	4.46	5.49	5.13	5.11	4.95
MAX	5.86	---	4.97	5.29	4.57	4.06	4.43	---	5.66	5.87	5.68	5.66



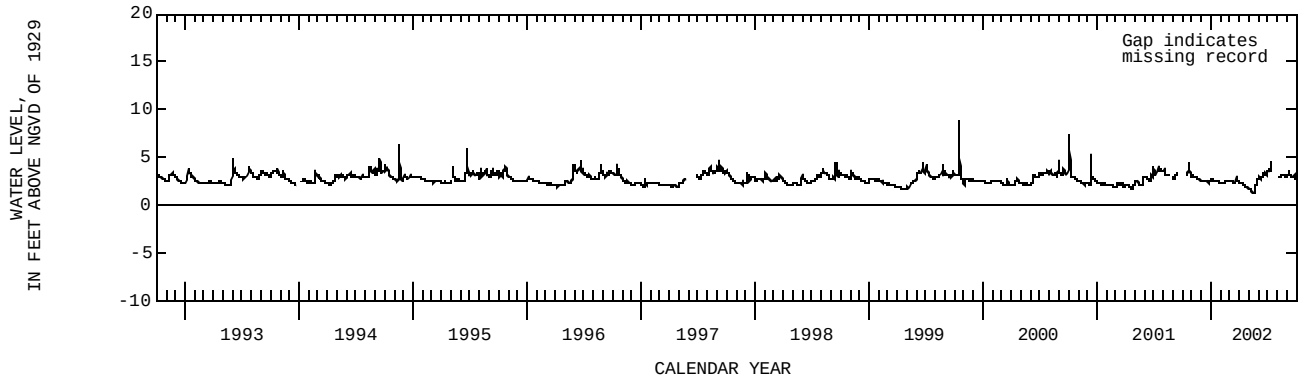
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253012080261401. Local Number G 1486. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'10", long 80°26'14", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	3.09	2.50	2.72	2.28	2.51	2.33	1.61	2.88	3.71	---	3.50
10	---	2.97	2.60	2.54	2.38	2.44	2.29	1.45	2.87	4.39	3.00	3.18
15	2.97	2.84	2.52	2.49	2.47	2.36	2.17	1.32	3.31	---	3.18	2.92
20	3.32	2.74	2.46	2.50	2.49	2.31	2.05	1.66	3.10	---	3.03	2.99
25	3.39	2.64	2.41	2.46	2.53	2.63	1.91	2.13	3.29	---	3.03	3.08
EOM	2.99	2.54	2.48	2.35	2.57	2.40	1.76	2.81	3.20	---	3.08	2.80
MAX	---	3.09	2.61	2.77	2.57	3.02	2.38	2.81	3.44	---	---	3.58



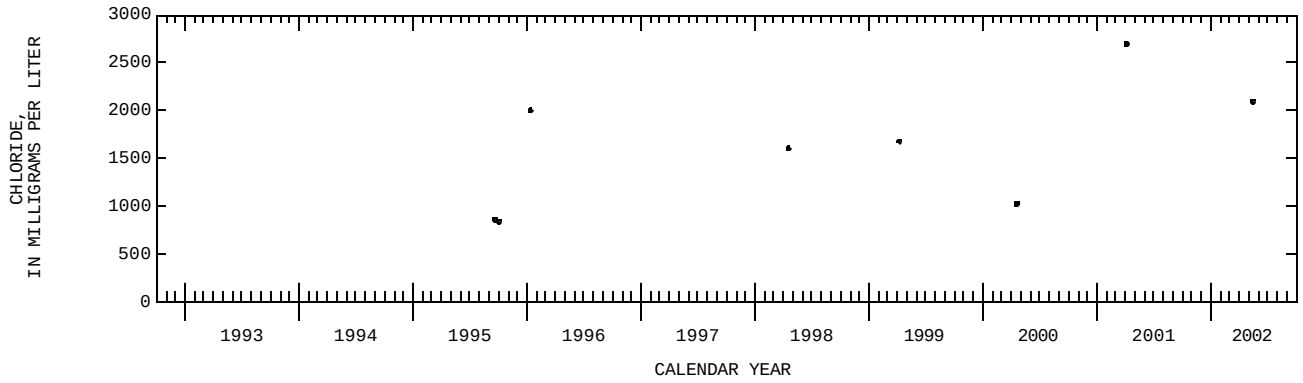
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253024080231001. Local Number G 3615. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'24", long 80°23'10", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier.
PERIOD OF RECORD.--January 1996 to current year.

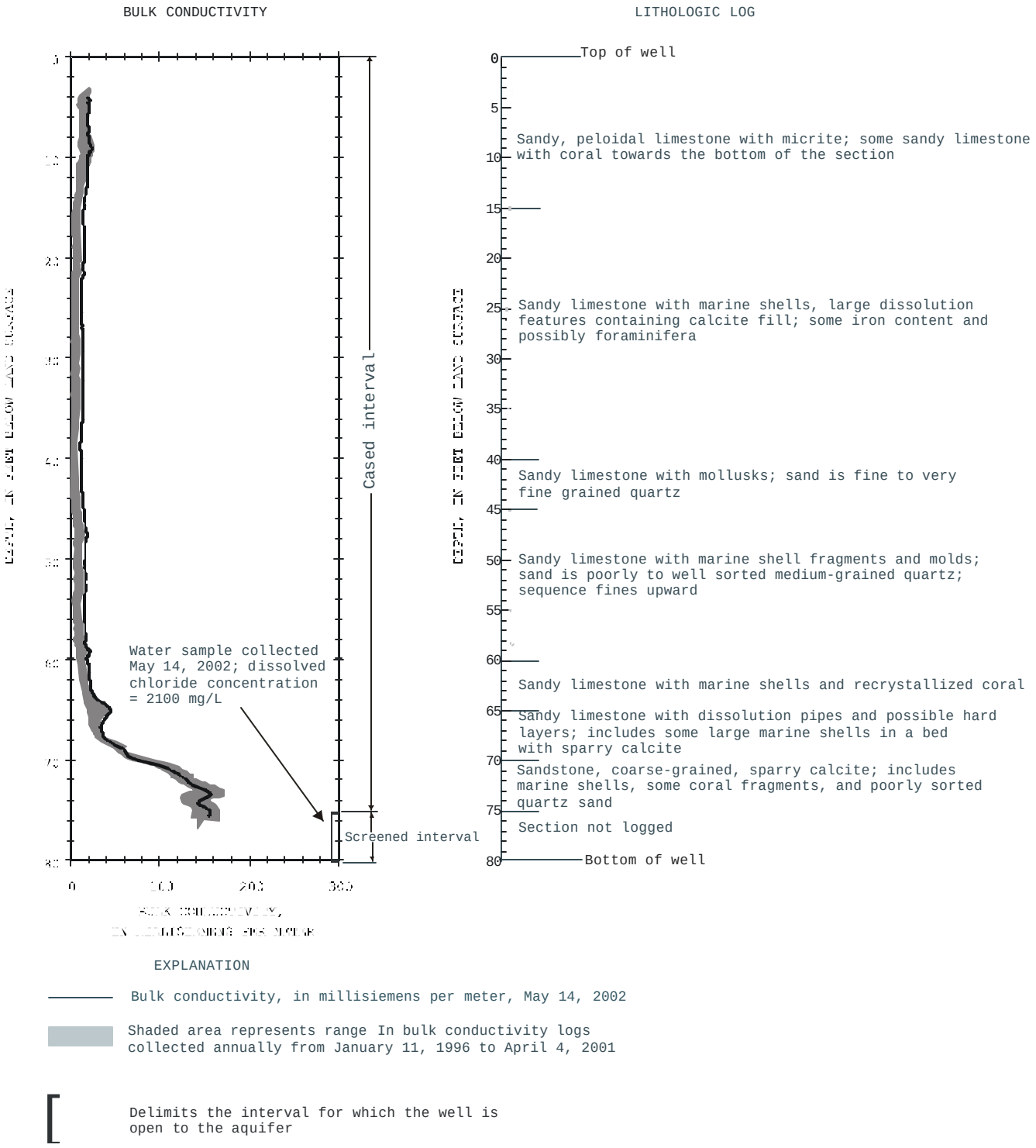
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
MAY			
14...	1400	6370	2100



WELL NUMBER.--253024080231001. Local Number G 3615. USGS Observation Well near Homestead, FL.

253024080231001 G-3615



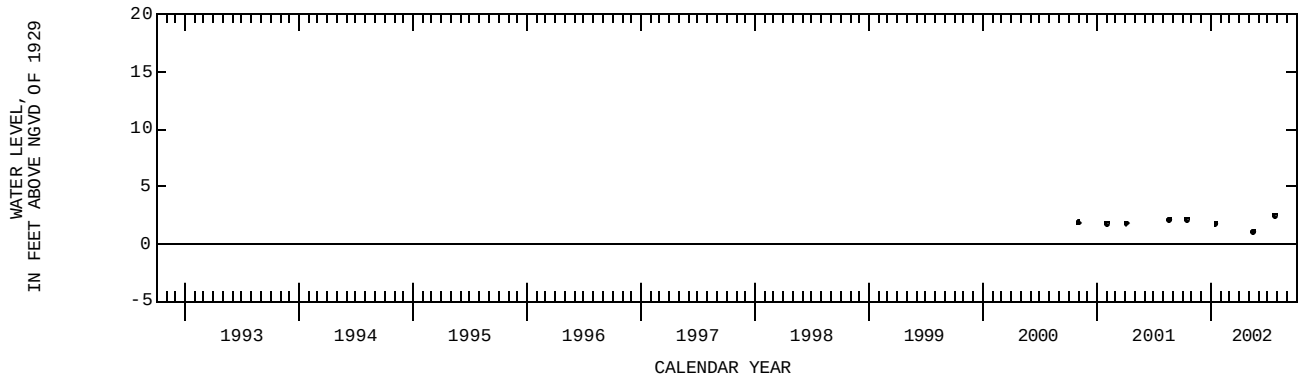
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253027080234701. Local Number G 3700. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'27", long 80°23'47", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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. The induction logs published in the 2001 water year are in error. 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, 2.48 ft NGVD, July 23, 2002; lowest, 1.05 ft NGVD, May 16, 2002.
REVISIONS.--The incorrect plot of bulk conductivity was published in Water Resources Data, Florida, Water Year 2001, Volume 2B. The correct plot is available in the files of the U.S. Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

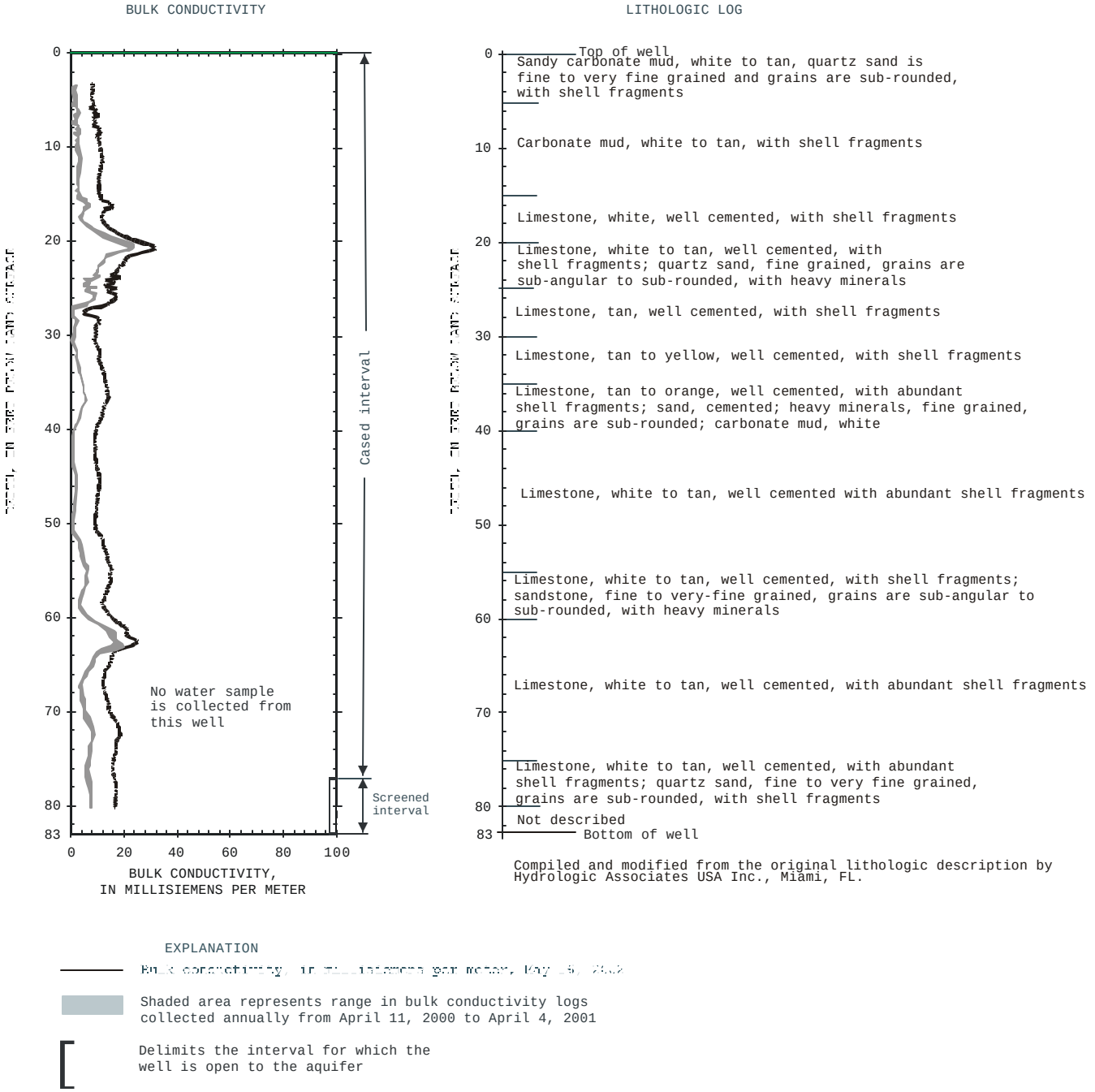
Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
16...	0838	2.12	16...	1413	1.05
JAN			JUL		
16...	1336	1.70	23...	0845	2.48



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253027080234701. Local Number G 3700. USGS Observation Well near Homestead, FL.

253027080234701 G-3700



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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 3, 2002

Shaded area represents range in bulk conductivity logs collected annually from April 11, 2000 to April 4, 2001

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

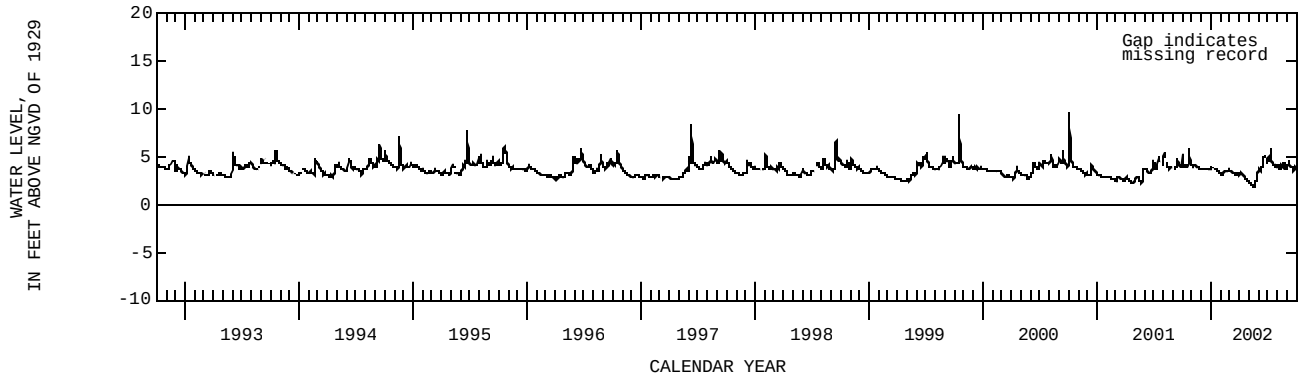
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253029080295601. Local Number S 196A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'29", long 80°29'56", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 Highway 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 re-construction. See DATUM. This well replaced S-196 in January 1956.
PERIOD OF RECORD.--January 1932 to January 1956, S-196. January 1956 to current year, S-196A.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.02	3.87	3.69	---	3.10	3.47	3.32	2.25	3.69	4.65	4.00	4.42
10	4.07	4.13	3.74	3.69	3.34	3.37	3.18	2.06	3.92	5.89	3.81	4.05
15	3.84	3.96	3.74	3.64	3.55	3.32	3.01	1.91	4.65	4.41	4.08	3.91
20	4.25	3.85	3.66	3.57	3.48	3.13	2.84	2.05	4.77	4.24	4.29	3.62
25	4.64	3.80	3.61	3.46	3.64	3.33	2.64	2.53	---	4.07	3.97	3.87
EOM	4.19	3.68	3.46	3.18	3.63	3.22	2.42	3.53	4.10	3.87	3.75	3.82
MAX	5.75	4.14	3.81	---	3.65	3.60	3.33	3.53	---	5.89	4.37	4.55



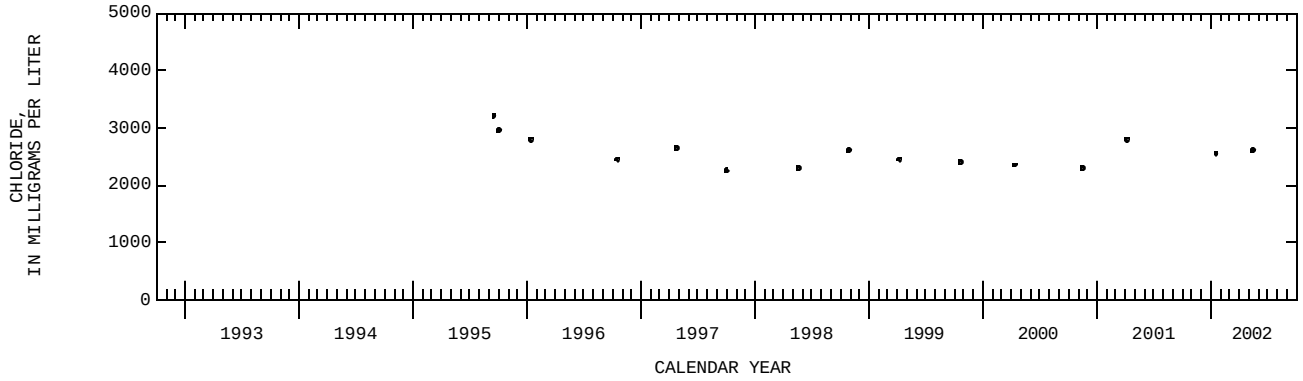
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253214080215401. Local Number G 3613. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°32'14", long 80°21'54", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book.
PERIOD OF RECORD.--September 1995 to current year.

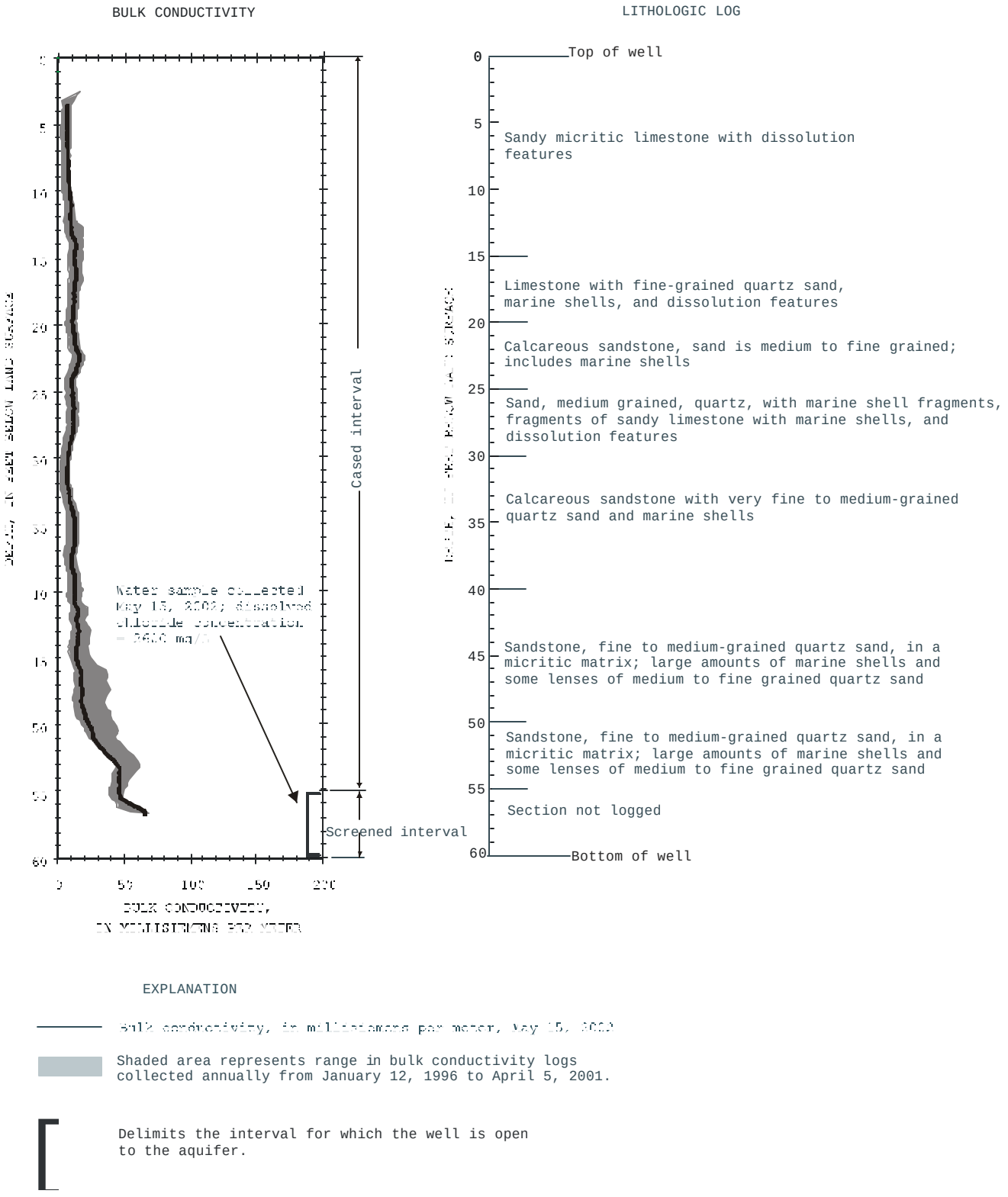
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JAN				MAY			
16...	1239	7490	2550	15...	0927	7610	2600



WELL NUMBER.--253214080215401. Local Number G 3613. USGS Observation Well near Homestead, FL.

253214080215401 G-3613



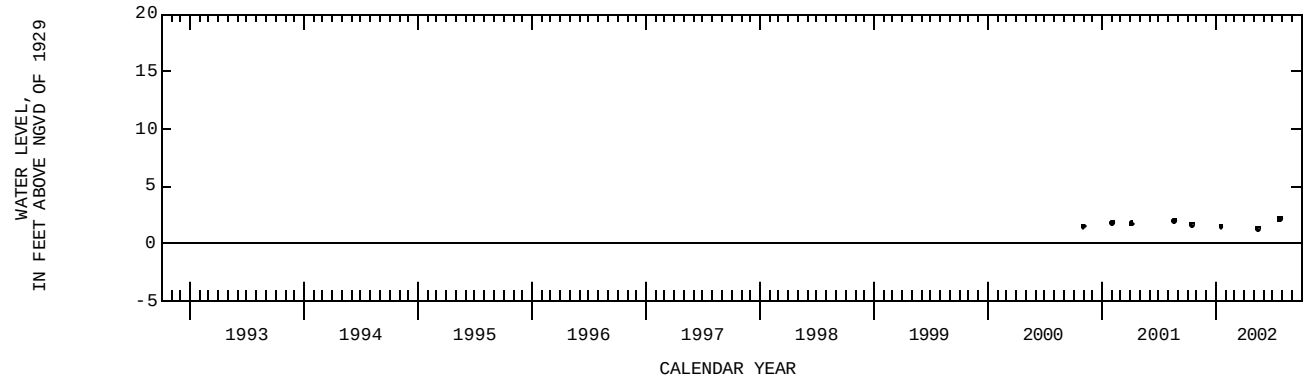
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253214080224601. Local Number G 3701. USGS Observation Well near Goulds, FL.

LOCATION.--Lat 25°32'14", long 80°22'46", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 2.10 ft NGVD, July 23, 2002; lowest, 1.33 ft NGVD, May 15, 2002.

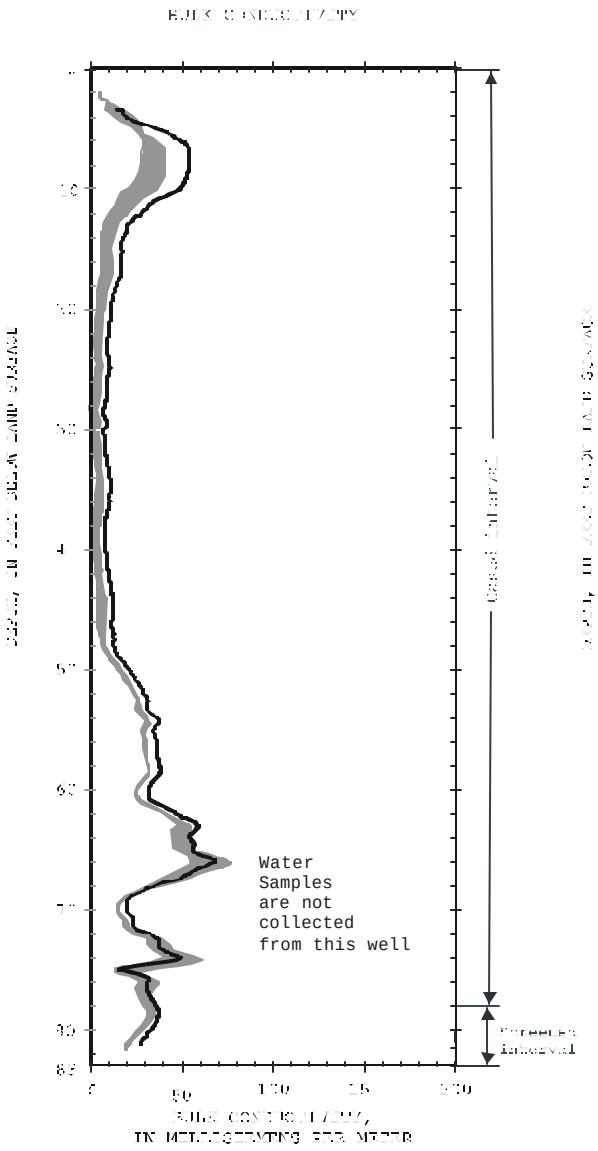
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
16...	0918	1.66	15...	1045	1.33
JAN			JUL		
16...	1440	1.48	23...	0745	2.10

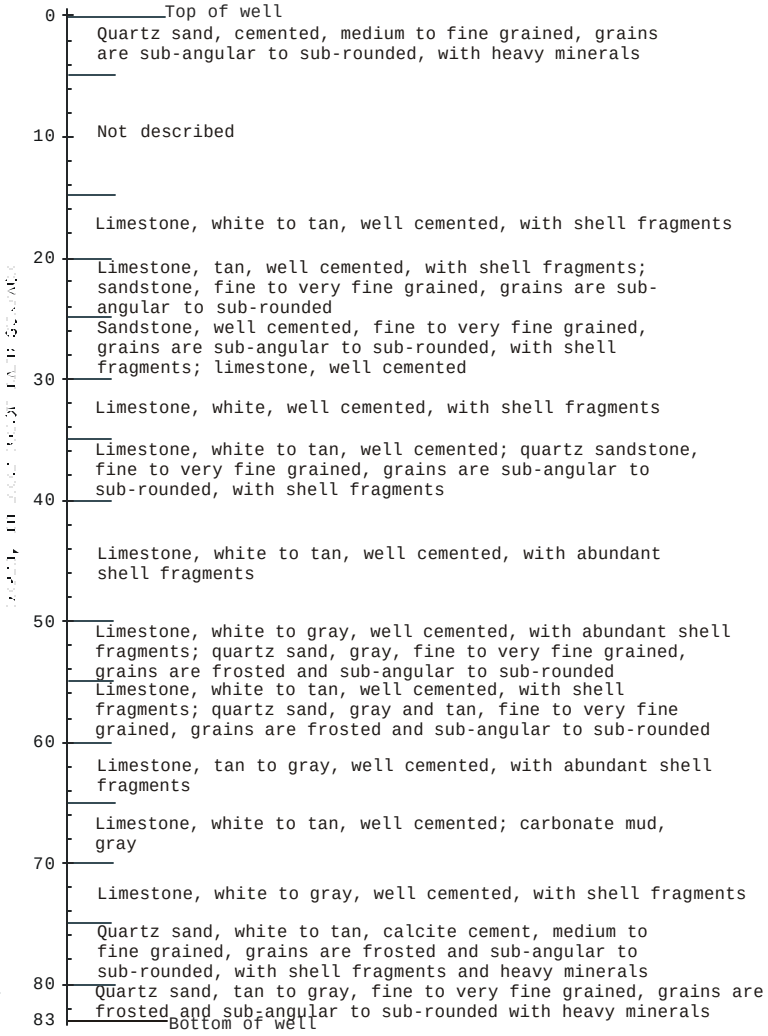


WELL NUMBER.--253214080224601. Local Number G 3701. USGS Observation Well near Goulds, FL.

253214080224601 G-3701



LITHOLOGIC LOG



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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 15, 2002

Shaded line represents bulk conductivity in millisiemens per meter April 11, 2000, to April 4, 2001

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

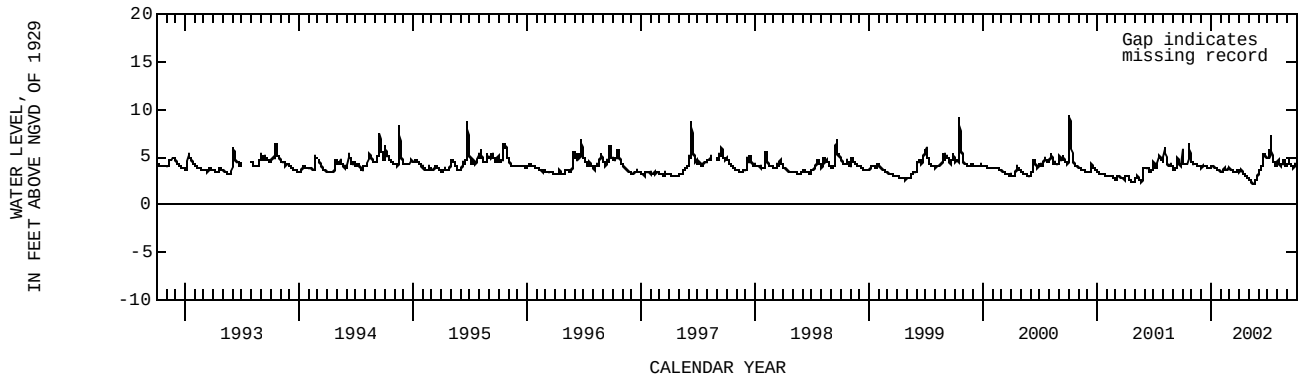
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253233080301001. Local Number G 1363. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°32'33", long 80°30'10", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.38	4.14	3.96	4.13	3.41	3.64	3.66	2.55	3.61	5.03	4.42	4.42
10	4.30	4.28	4.05	3.92	3.67	3.55	3.52	2.34	4.12	7.12	4.15	4.37
15	4.16	4.19	4.01	3.88	3.77	3.50	3.33	2.18	4.80	5.21	4.22	4.19
20	4.79	4.07	3.95	3.77	3.65	3.43	3.14	2.21	5.12	4.54	4.59	3.99
25	5.37	4.06	3.88	3.64	3.88	3.57	2.95	2.58	5.08	4.21	4.29	4.31
EOM	4.52	3.99	3.83	3.47	3.79	3.54	2.74	3.18	---	4.04	4.06	4.08
MAX	6.39	4.42	4.06	4.15	3.88	3.76	3.68	3.18	---	---	4.75	4.68



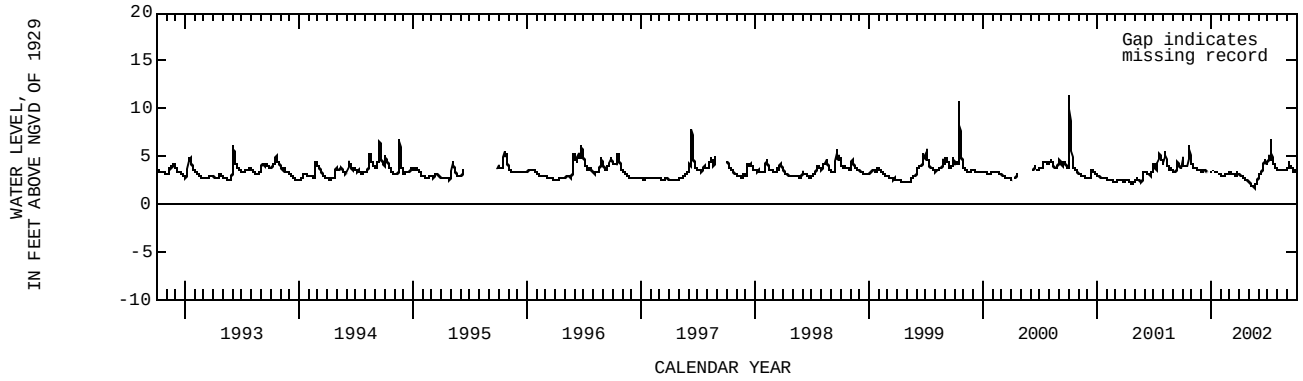
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253258080264301. Local Number G 614. USGS Observation Well in Goulds, FL.

LOCATION.--Lat 25°32'58", long 80°26'43", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.02	3.71	3.41	---	2.92	3.23	3.04	2.19	3.07	5.01	3.56	3.94
10	3.94	3.83	3.53	---	2.92	3.15	2.92	2.01	3.37	6.65	3.59	4.03
15	3.84	3.74	3.47	3.33	3.15	3.09	2.80	1.85	3.66	4.89	3.61	3.81
20	4.71	3.65	3.39	3.29	3.17	3.03	2.65	1.89	4.42	4.26	3.58	3.59
25	5.13	3.56	---	3.19	3.22	3.30	2.51	2.20	4.52	3.85	3.62	3.59
EOM	4.24	3.48	3.28	3.06	3.28	3.10	2.38	2.66	4.00	3.55	3.63	3.55
MAX	6.00	4.11	---	---	3.28	3.30	3.08	2.66	4.62	6.71	3.67	4.43



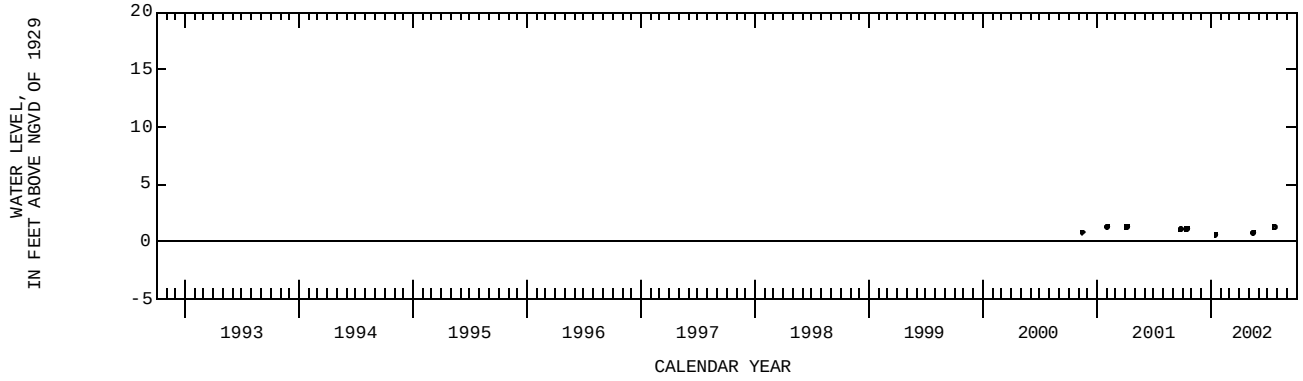
MIAMI-DADE COUNTY--Continued

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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 0.53 ft NGVD, Jan. 16, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

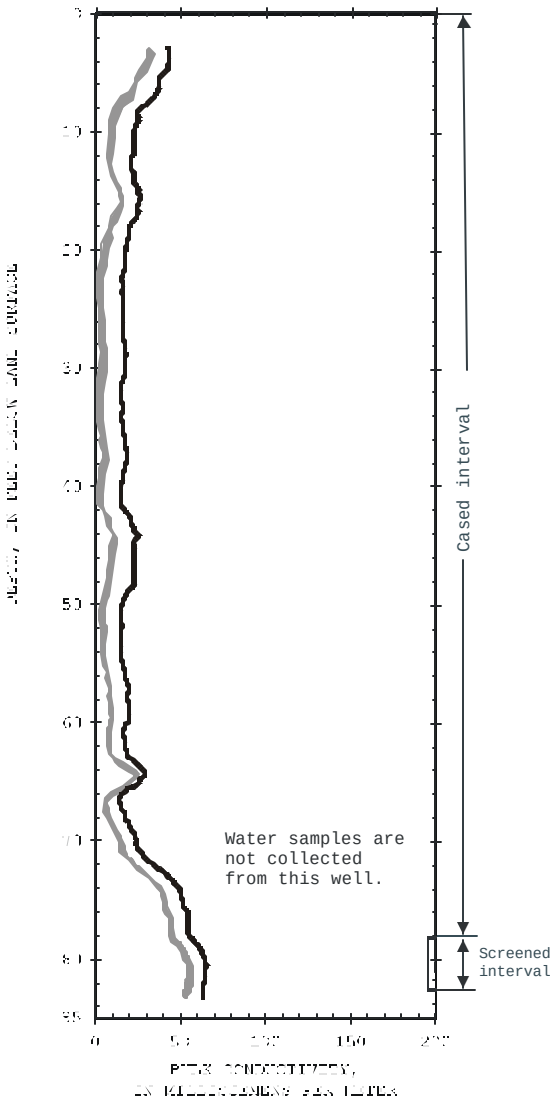
Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
16...	0940	1.11	17...	0930	.71
JAN			JUL		
16...	1217	.53	22...	1505	1.26



WELL NUMBER.--253334080213601. Local Number G 3702. USGS Observation Well near Cutler Ridge, FL.

253334080213601 G-3702

BULK CONDUCTIVITY



LITHOLOGIC LOG

Top of well

Carbonate mud with organic matter; limestone, well cemented with shell fragments

Limestone, tan to gray, well cemented, with shell fragments

Quartz sand, tan, fine to very fine grained, grains are frosted and sub-angular to sub-rounded; limestone, tan, well cemented, with shell fragments

Quartz sand, white, fine to very fine grained, grains are frosted and sub-angular to sub-rounded, with shell fragments; limestone, white, well cemented, with shell fragments

Limestone, tan to white, well cemented, with shell fragments; quartz sand, tan to white, fine to very fine grained, grains are frosted and sub-angular to sub-rounded

Quartz sand, gray, fine to very fine grained, grains are frosted and sub-angular to sub-rounded, with shell fragments and heavy minerals; limestone, tan to white, well cemented, with abundant shell fragments

Limestone, white to tan, well cemented, with abundant shell fragments; quartz sand, tan to gray, fine to very-fine grained, grains are frosted and sub-angular to sub-rounded, with heavy minerals

Limestone, white, well cemented, with shell fragments

Quartz sand, tan to gray, fine to very fine grained, grains are frosted and sub-angular to sub-rounded, with shell fragments and heavy minerals; limestone, well cemented, with abundant shell fragments

Quartz sand, tan, medium to fine grained, grains are frosted and sub-angular to sub-rounded, with shell fragments and heavy minerals

Bottom of well

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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 17, 2002

Shaded area represents range in bulk conductivity logs collected annually from April 11, 2000 to April 5, 2001.

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

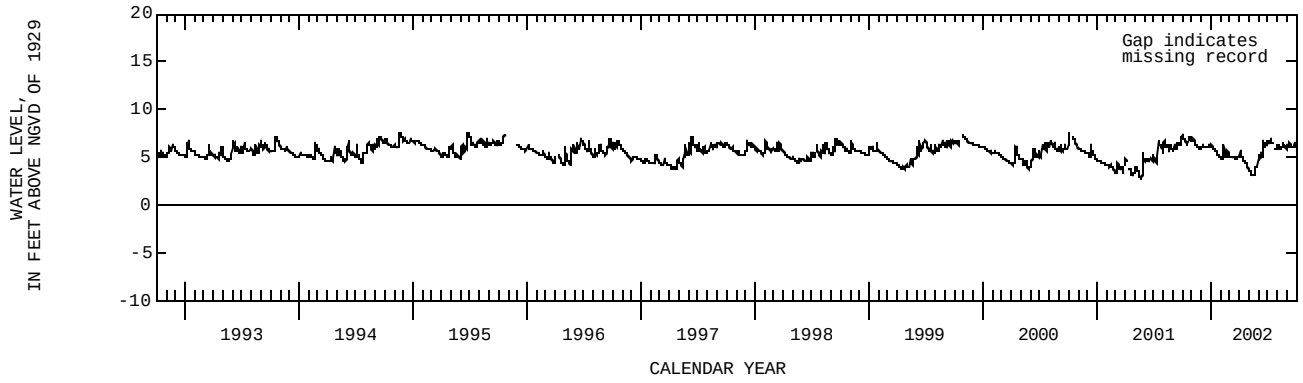
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253400080340401. Local Number G 3437. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°34'00", long 80°34'04", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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, 2.81 ft above land-surface datum. Prior to April 9, 2002, top of base was 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. On April 9, 2002, the shelter was rebuilt to prevent water from rising over the base in case of an extreme rain event. 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.97	6.90	6.01	6.09	4.89	5.03	5.38	3.54	4.93	6.35	6.03	6.21
10	6.77	6.43	6.03	5.90	6.29	4.96	5.00	3.29	5.15	6.82	5.92	6.53
15	6.32	6.22	6.06	5.68	5.31	4.98	4.70	3.09	6.67	6.42	5.99	6.12
20	6.82	6.05	6.06	5.50	4.91	4.85	4.52	3.59	6.39	---	6.47	6.07
25	7.17	5.95	6.01	5.13	5.32	4.93	4.25	3.93	6.53	---	5.97	6.22
EOM	6.69	5.91	6.29	4.96	5.13	4.92	3.83	4.78	6.28	6.11	5.97	6.09
MAX	7.24	6.90	6.29	6.39	6.35	5.13	5.77	---	6.67	---	6.47	6.53



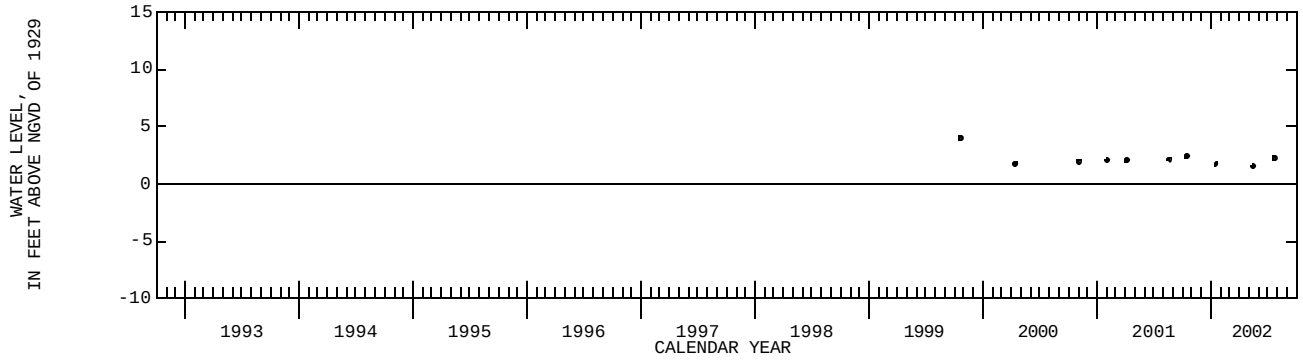
MIAMI-DADE COUNTY--Continued

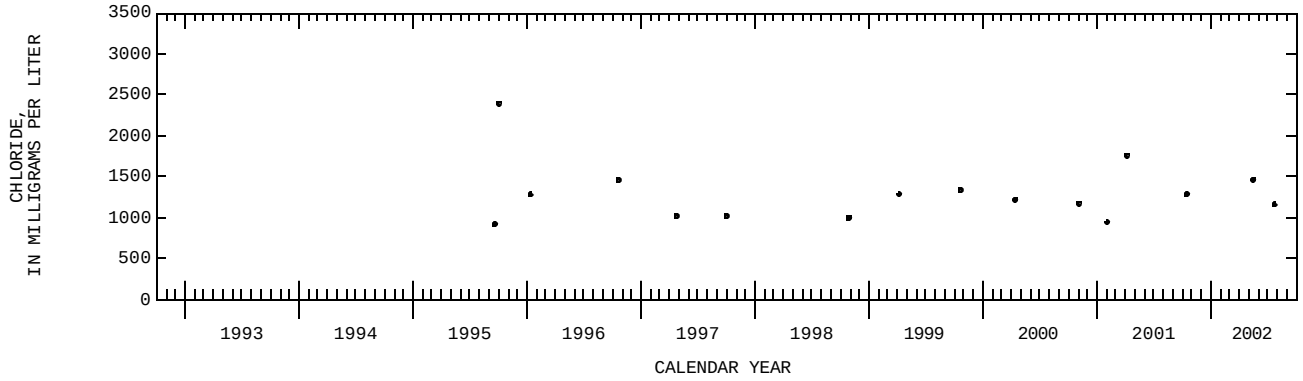
WELL NUMBER.--253457080195501. Local Number G 3612. USGS Observation Well near Cutler Ridge, FL.

LOCATION.--Lat 25°34'57", long 80°19'55", in SW 1/4 SW 1/4 SW 1/4 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 Highway 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 1.48 ft NGVD, May 17, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
16...	1006	3890	1280	2.35	17...	1048	4630	1460	1.48
JAN					JUL				
16...	1136	--	--	1.67	22...	1435	3890	1160	2.27

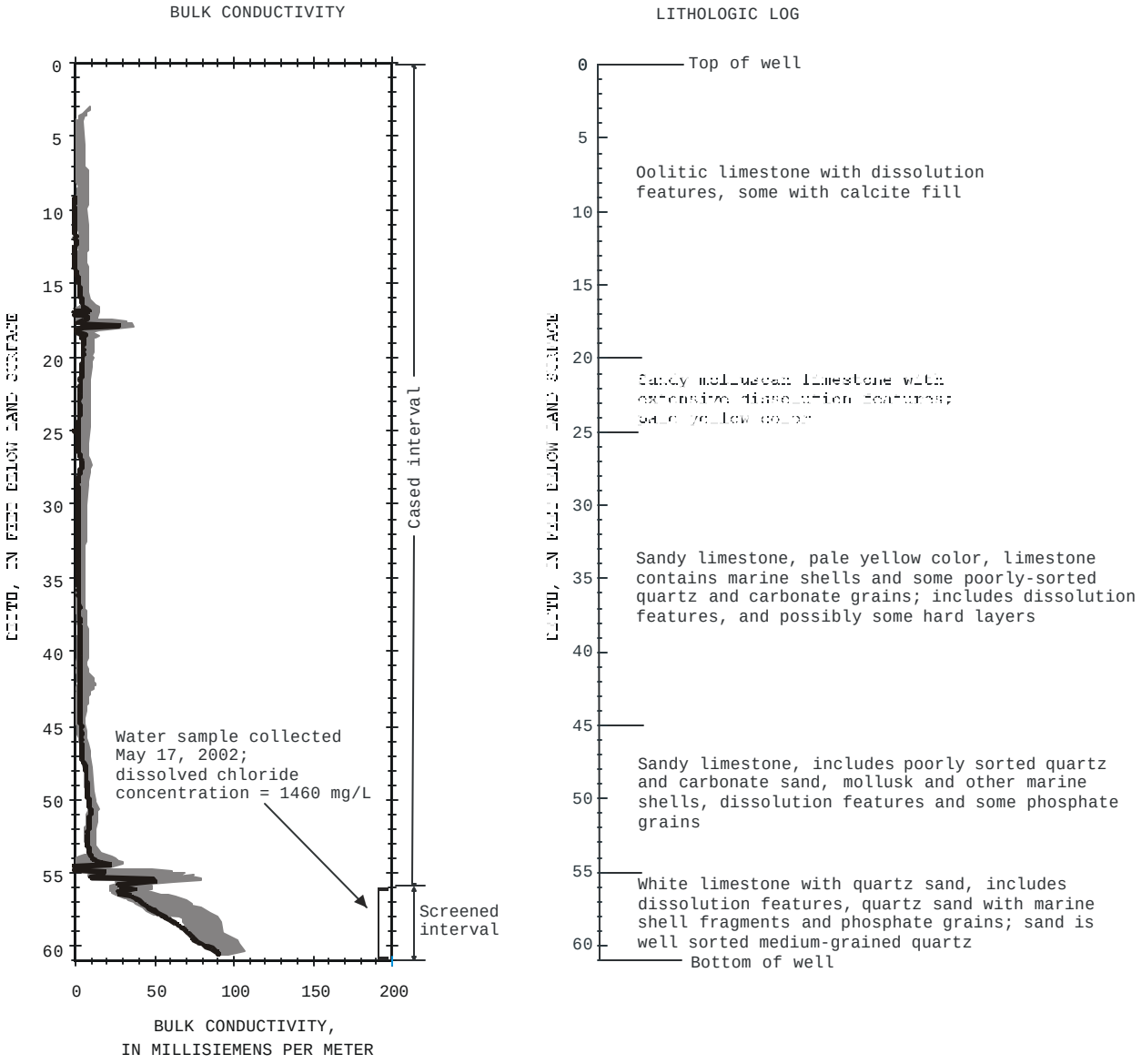




MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253457080195501. Local Number G 3612. USGS Observation Well near Cutler Ridge, FL.

253457080195501 G-3612



EXPLANATION

Bulk conductivity, in millisiemens per meter, May 17, 2002

Shaded area represents range in conductivity logs collected annually from January 12, 1996 to April 5, 2001

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

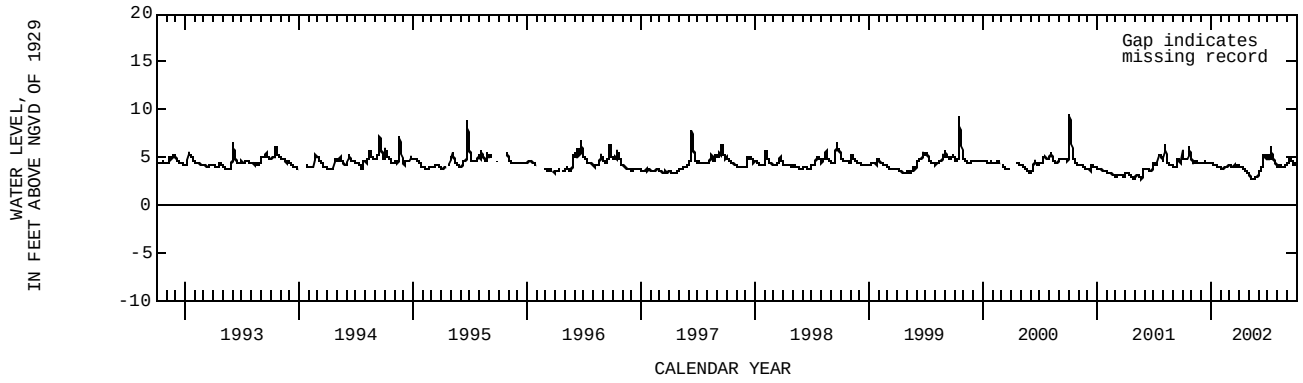
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253537080284401. Local Number G 757A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°35'37", long 80°28'44", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.85	4.27	4.42	4.34	3.89	4.03	4.09	3.05	3.62	4.91	4.12	4.45
10	4.84	4.59	4.50	4.23	3.89	3.98	3.93	2.85	4.00	6.18	4.14	4.90
15	4.66	4.54	4.49	4.21	3.95	4.13	3.78	2.71	4.62	5.25	4.08	4.66
20	5.03	4.49	4.41	4.14	3.93	4.03	3.59	2.69	5.23	4.75	4.04	4.30
25	5.50	4.50	4.39	4.09	4.15	4.14	3.44	2.87	4.97	4.45	4.08	4.34
EOM	4.75	4.47	4.26	3.96	4.15	4.07	3.26	3.11	4.73	4.08	4.28	4.36
MAX	6.03	4.72	4.53	4.34	4.15	4.15	4.09	3.20	5.34	6.19	4.28	4.94



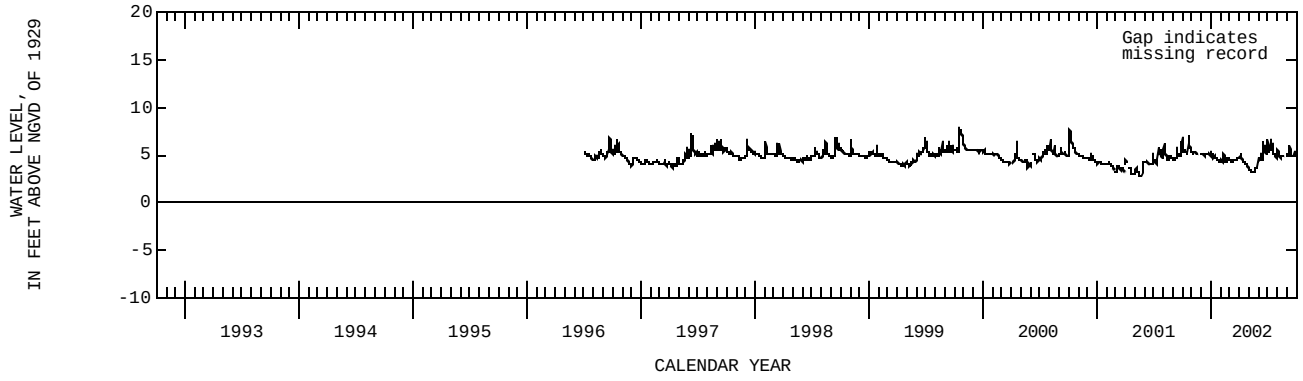
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253539080320501. Local Number G 3628. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°35'39", long 80°32'05", SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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.
REMARKS.--Landnet information can not be verified using U.S. Geological Survey topographic maps.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.32	5.24	5.01	4.97	4.38	4.35	4.99	3.44	4.44	5.14	4.99	5.11
10	5.42	5.29	5.06	4.81	5.10	4.24	4.55	3.25	4.65	6.68	4.80	5.98
15	5.11	5.14	5.03	4.71	4.42	4.49	4.34	3.10	6.47	5.49	4.83	5.01
20	5.54	5.13	5.03	4.48	4.22	4.44	4.21	3.43	5.64	5.14	5.00	4.74
25	5.80	---	5.05	4.39	4.73	4.70	3.95	3.70	5.41	5.13	4.87	5.14
EOM	5.42	5.02	5.11	4.43	4.49	4.63	3.70	4.72	5.40	4.82	4.98	4.91
MAX	6.94	---	5.21	5.23	5.10	4.71	5.05	---	6.47	6.68	---	5.98



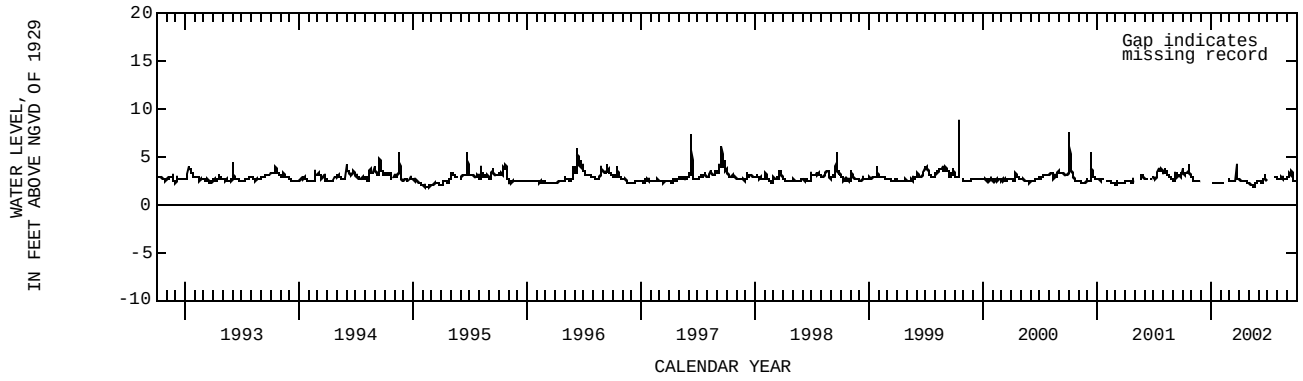
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253549080214101. Local Number S 182A. USGS Observation Well near Peters, FL.

LOCATION.--Lat 25°35'49", long 80°21'41", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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, cased to 8.7 ft. (Corrected).
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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.21	2.48	---	---	2.15	2.53	2.53	2.13	2.49	---	2.63	2.82
10	3.30	2.44	---	2.30	2.31	2.44	2.56	2.00	2.41	---	2.76	3.39
15	3.12	2.47	---	2.28	---	2.49	2.53	1.87	2.34	---	2.80	3.14
20	3.51	2.45	---	2.24	---	2.35	2.45	1.98	2.73	---	2.80	2.63
25	3.00	2.44	---	2.22	---	2.87	2.35	2.16	2.60	---	2.63	2.43
EOM	2.94	---	---	2.23	2.57	2.60	2.24	2.51	---	2.72	2.79	2.39
MAX	4.19	---	---	---	---	4.17	2.58	2.54	---	---	2.80	3.46



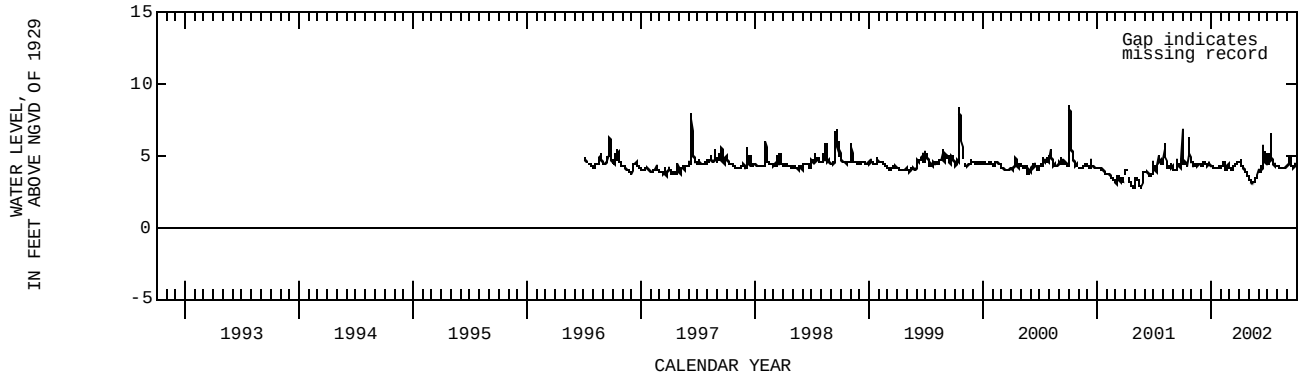
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253632080321101. Local Number G 3627. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°36'32", long 80°30'11", SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.47	4.39	4.33	4.24	4.31	4.05	4.65	3.29	3.88	4.48	4.20	4.44
10	4.57	4.29	4.58	4.14	4.60	3.99	4.27	3.15	4.18	6.55	4.11	4.94
15	4.33	4.35	4.37	4.10	4.06	4.35	4.09	3.02	5.67	4.70	4.11	4.39
20	4.89	4.43	4.35	4.14	3.92	4.35	3.95	3.22	5.02	4.39	4.13	4.11
25	4.82	4.39	4.36	4.21	4.36	4.55	3.74	3.49	4.57	4.37	4.19	4.37
EOM	4.52	4.35	4.19	4.30	4.19	4.48	3.52	4.00	4.35	4.14	4.28	4.22
MAX	6.27	4.52	4.58	4.31	4.62	4.56	4.66	---	5.67	6.55	4.29	4.94



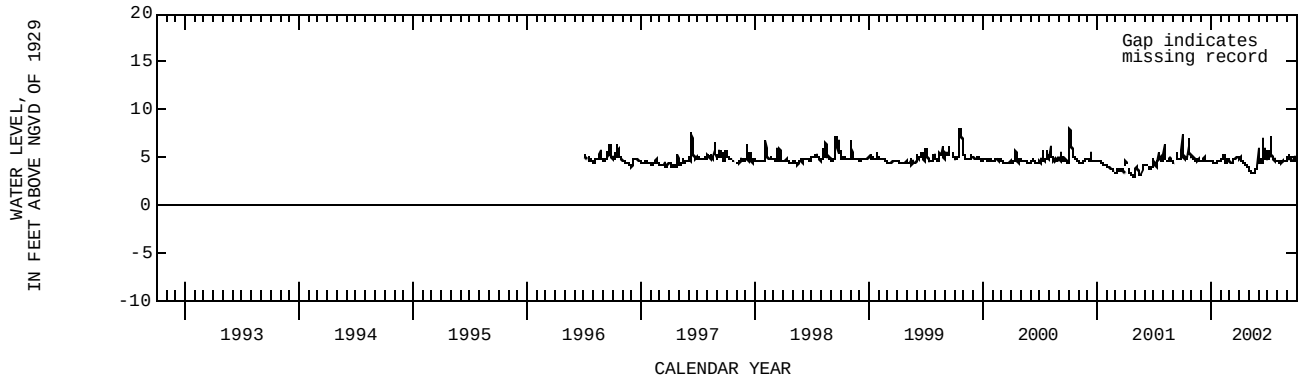
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253708080304201. Local Number G 3626. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°37'08", long 80°32'42", SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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.
REMARKS.--Landnet information can not be verified using U.S. Geological Survey topographic maps.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.98	5.00	4.60	4.54	4.79	4.38	5.02	3.61	4.42	4.74	4.54	5.00
10	5.07	4.65	4.98	4.42	5.18	4.37	4.62	3.45	4.57	7.20	4.46	5.04
15	4.75	4.74	4.64	4.37	4.48	4.78	4.48	3.31	6.85	5.08	4.42	4.76
20	5.42	4.82	4.65	4.54	4.26	4.80	4.28	3.60	5.51	4.80	4.46	4.54
25	5.21	4.69	4.66	4.62	4.75	5.06	4.07	3.88	4.93	4.81	4.55	4.89
EOM	4.97	4.63	4.55	4.76	4.55	4.88	3.85	5.79	4.82	4.58	4.64	4.67
MAX	6.96	5.00	4.98	4.76	5.18	5.12	5.05	---	6.85	7.20	4.67	5.25



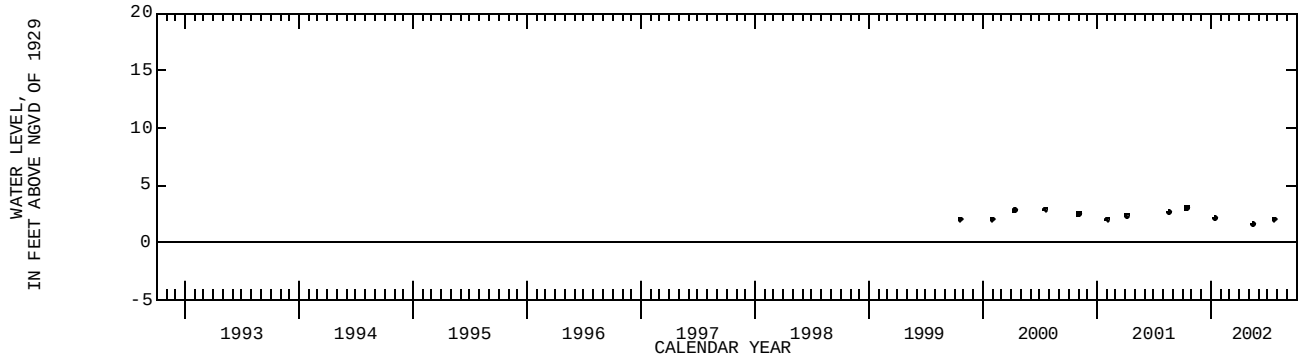
MIAMI-DADE COUNTY--Continued

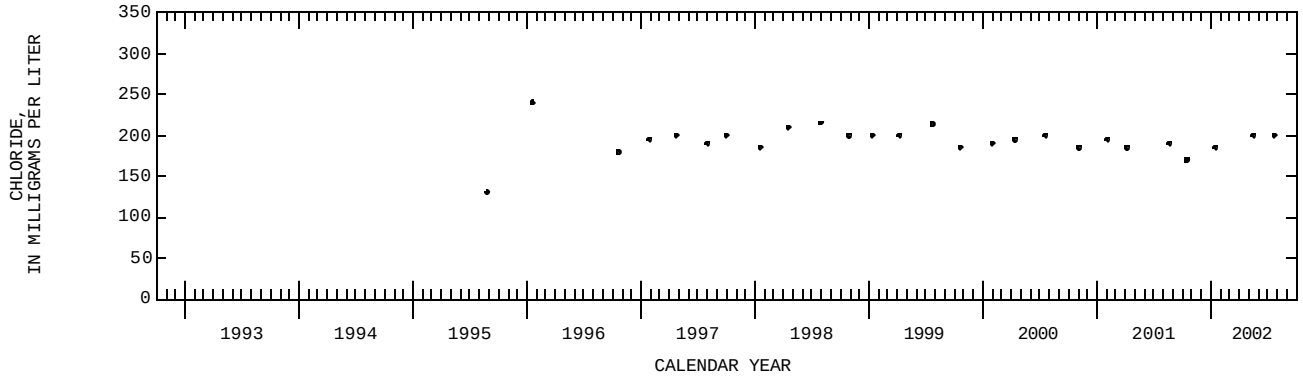
WELL NUMBER.--253710080184701. Local Number G 3611. USGS Observation Well near Cutler, FL.

LOCATION.--Lat 25°37'10", long 80°18'47", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 Highway 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 3.00 ft NGVD, Oct. 16, 2002; lowest, 1.53 ft NGVD, May 17, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

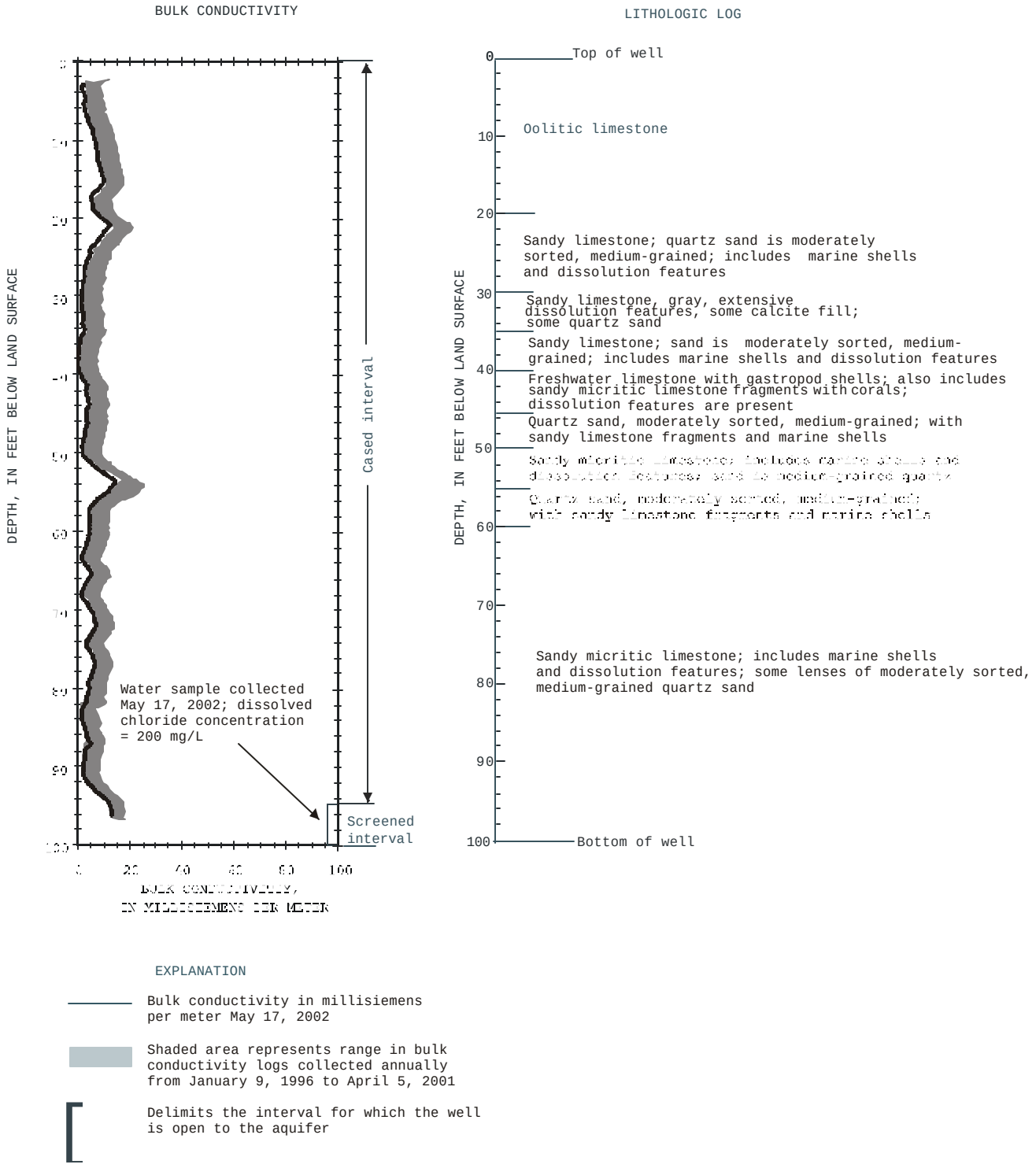
Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
16...	1041	867	170	3.00	17...	1345	996	200	1.53
JAN					JUL				
15...	1055	929	185	2.08	22...	1409	980	200	2.01





WELL NUMBER.--253710080184701. Local Number G 3611. USGS Observation Well near Cutler, FL.

253710080184701 G-3611



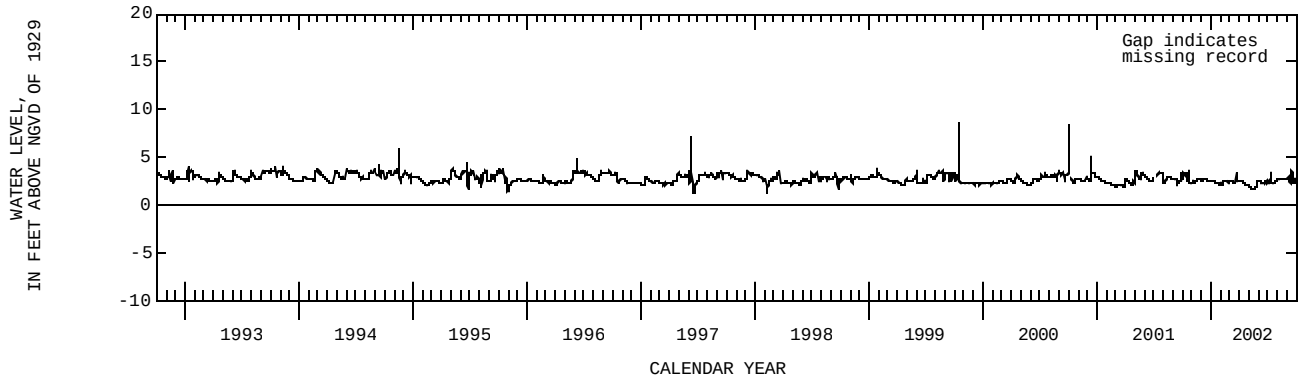
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253718080192301. Local Number G 860. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°37'18", long 80°19'23", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.27	2.51	2.58	2.61	2.21	2.51	2.60	1.91	2.48	2.25	2.64	2.57
10	3.41	2.44	2.68	2.52	2.60	2.47	2.49	1.75	2.46	3.45	2.67	2.62
15	3.21	2.68	2.64	2.30	2.53	2.41	2.38	1.65	2.06	2.26	2.69	3.16
20	2.55	2.68	2.55	2.31	2.52	2.26	2.31	1.75	2.59	2.27	2.65	2.31
25	2.27	2.68	2.49	2.24	2.19	2.40	2.11	1.95	2.32	2.44	2.65	2.37
EOM	2.32	2.62	2.53	2.18	2.42	2.58	2.02	2.45	2.30	2.64	2.82	2.30
MAX	3.61	2.68	2.68	2.62	2.60	3.30	2.62	2.45	2.63	3.45	2.82	3.58



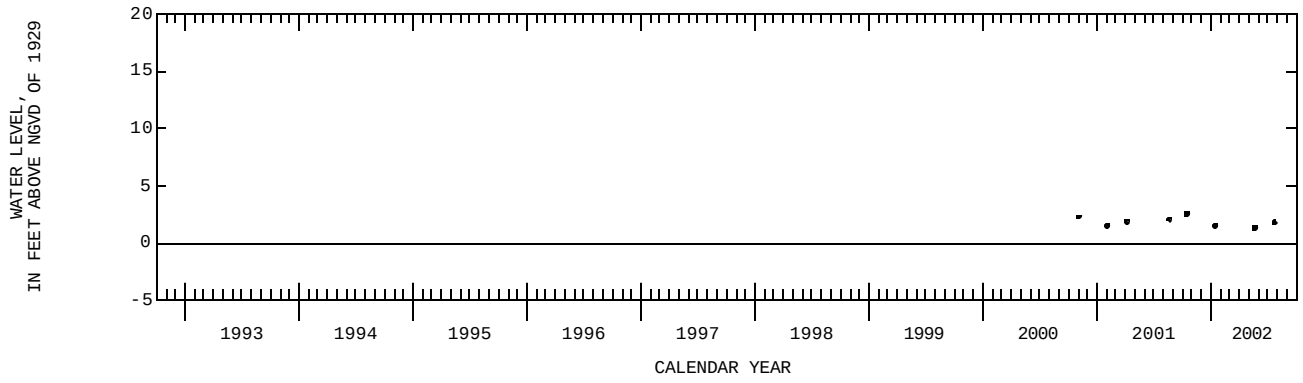
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253831080180206. Local Number G 3313E. USGS Observation Well near Pinecrest, FL.

LOCATION.--Lat 25°38'31", long 80°18'02", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 Highway 1.
AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8.25 in. to 32 ft, diameter 7.5 in. 32 to 114 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1995 and 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. See EXPLANATION OF THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. The incorrect plot of bulk conductivity was published in Water Resources Data, Florida, Water Year 2000, Volume 2B. The correct plot is in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--November 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.53 ft NGVD, Oct. 16, 2002; lowest, 1.31 ft NGVD, May 20, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

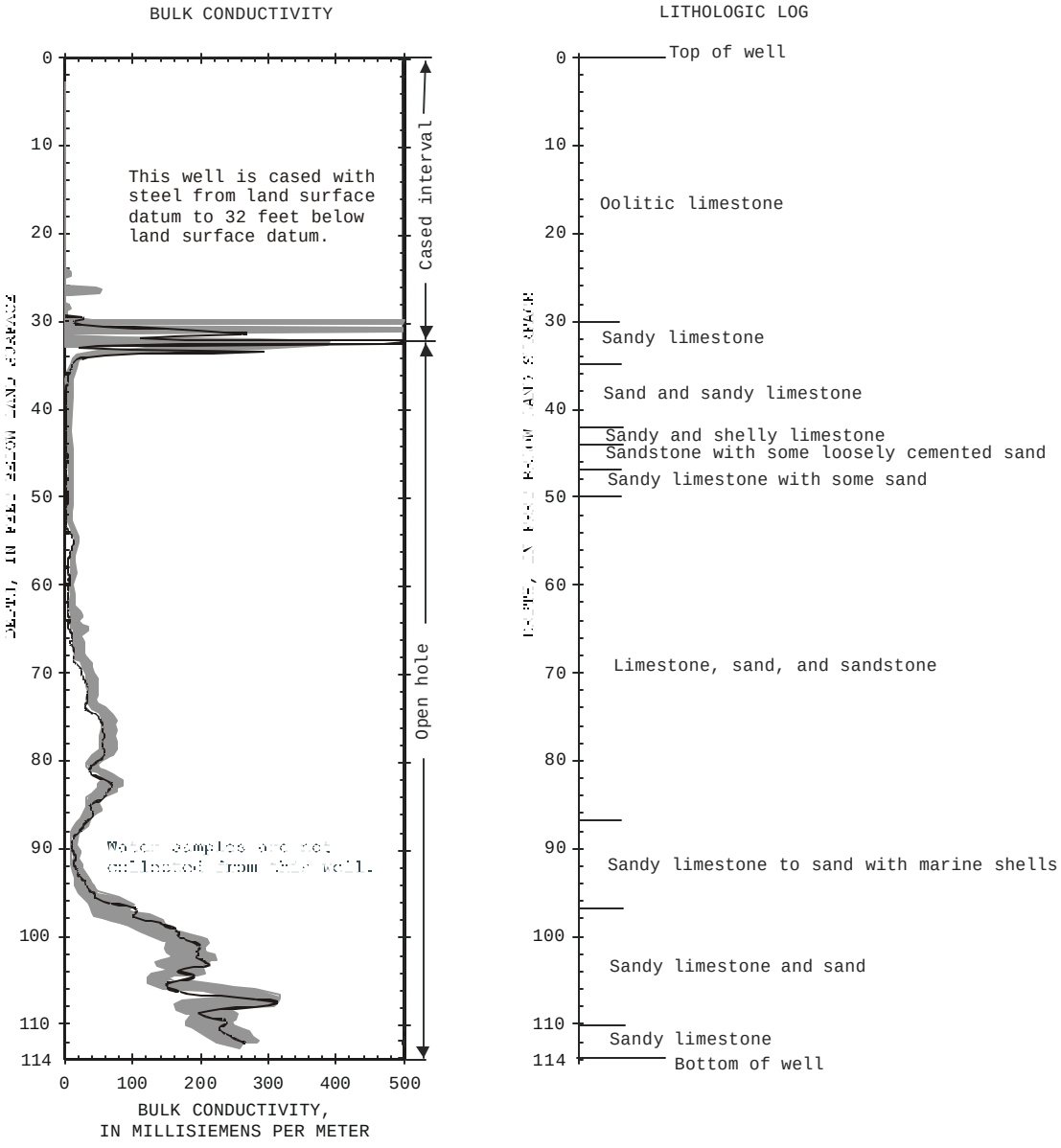
Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
16...	1119	2.53	20...	1045	1.31
JAN			JUL		
15...	1135	1.46	22...	1355	1.78



MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253831080180206. Local Number G 3313E. USGS Observation Well near Pinecrest, FL.

253831080180206 G-3313E



EXPLANATION

Bulk conductivity, in millisiemens per meter, May 20, 2002

Shaded area represents range in bulk conductivity logs collected annually from June 19, 1995 to April 27, 2001

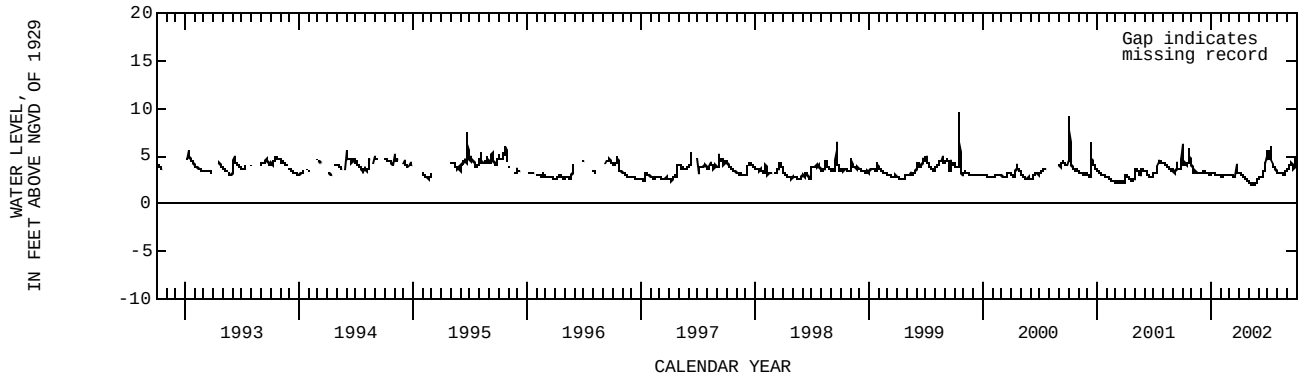
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253902080202501. Local Number G 553. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°39'02", long 80°20'19", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 Highway 1, 2.5 mi south of SW 88th Street, 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 24 in from a depth of 0 to 36 ft, 18 in. from 36 to 79 ft, 12 in. from 79 to 91 ft. Depth 91 ft, cased to 36 ft, slotted casing 36 to 79 ft, open hole from 79 to 91 ft. (Corrected).
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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.12	3.18	3.18	3.25	2.89	2.97	3.11	2.21	2.76	4.83	3.19	3.61
10	4.24	3.26	3.35	3.19	2.98	2.96	2.95	2.05	2.79	5.95	3.18	4.10
15	4.02	3.33	3.29	3.11	2.95	2.89	2.78	2.09	3.25	4.09	3.23	4.10
20	4.29	3.33	3.19	3.05	2.91	2.78	2.65	2.13	3.60	3.92	3.10	3.89
25	4.71	3.30	3.09	2.99	3.05	3.36	2.51	2.15	4.15	3.64	3.09	4.01
EOM	3.97	3.23	3.21	2.93	3.00	3.08	2.36	2.61	4.87	3.37	3.58	4.42
MAX	5.72	3.89	3.35	3.25	3.10	4.00	3.17	2.61	4.89	5.95	3.58	4.72



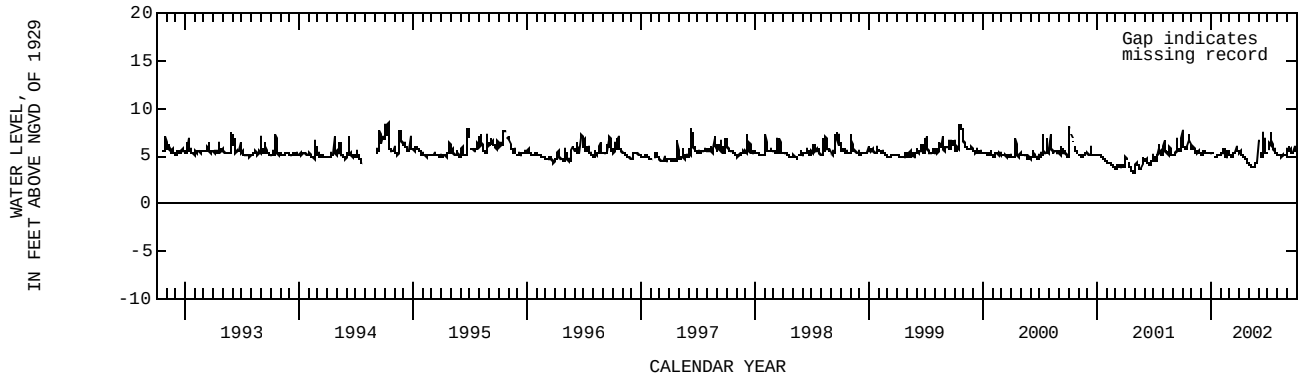
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253937080304001. Local Number G 596. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°38'16", long 80°30'44", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. Geological Survey. See DATUM. Records of water levels prior to January 1957 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.91	6.01	5.14	5.18	5.30	4.97	5.50	4.02	---	---	5.14	5.96
10	5.88	5.44	5.56	---	5.70	4.98	5.08	3.83	5.09	7.34	5.05	5.59
15	5.64	5.43	5.23	4.96	5.01	5.31	4.93	3.68	7.44	6.10	4.98	5.49
20	6.33	5.45	5.25	5.08	4.82	5.37	4.69	3.96	6.69	5.71	4.98	5.25
25	6.17	5.30	5.25	5.17	5.34	5.65	4.51	4.24	5.38	5.56	5.15	5.67
EOM	5.80	5.20	5.27	5.22	5.16	5.47	4.30	6.49	---	5.24	5.24	5.55
MAX	7.29	6.01	5.56	---	5.70	5.97	5.52	---	---	---	5.24	5.96



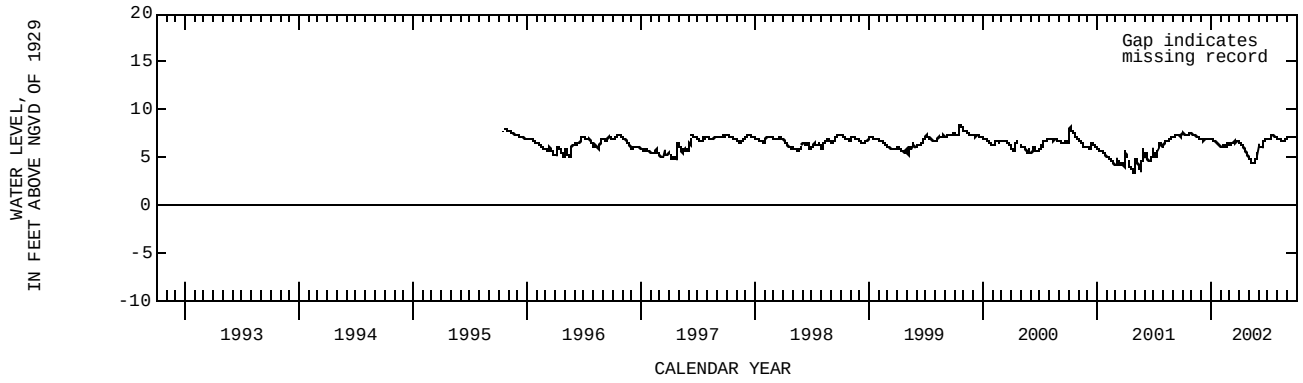
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--253952080321501. Local Number G 3272. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°40'00", long 80°34'20", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.47	7.39	6.78	6.90	6.07	6.33	6.49	4.78	6.13	6.94	6.87	7.18
10	7.40	7.31	6.87	6.78	6.25	6.57	6.31	4.49	6.13	7.22	6.85	7.18
15	7.27	7.19	7.00	6.64	6.18	6.62	6.02	4.23	6.65	7.27	6.80	7.22
20	7.32	7.09	7.01	6.47	5.98	6.61	5.70	4.81	6.79	7.27	6.79	7.14
25	7.65	6.98	6.95	6.32	6.42	6.69	5.39	4.80	6.96	7.15	6.83	7.16
EOM	7.47	6.89	6.88	6.14	6.39	6.56	5.09	6.17	6.90	6.97	7.04	7.15
MAX	7.65	7.43	7.01	6.91	---	6.69	6.53	---	6.97	7.32	7.04	7.22



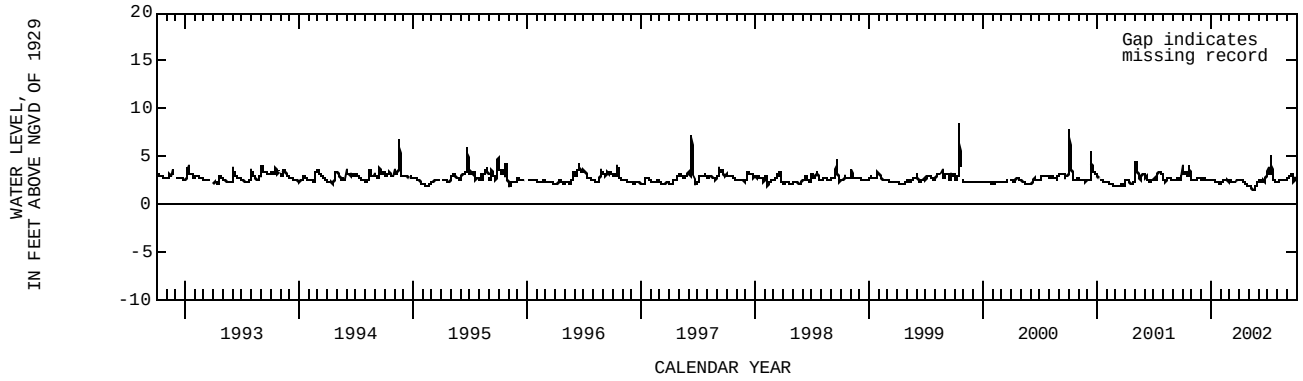
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254000080181002. Local Number G 580A. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'00", long 80°18'10", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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, open hole 4 to 22 ft. (Corrected).
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. Based on July 2002 soundings, the open hole interval is obstructed at 12 ft below land-surface datum.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.23	2.62	2.51	2.52	2.24	2.45	2.56	1.82	2.44	3.46	2.43	2.75
10	3.32	2.50	2.68	2.48	2.44	2.40	2.46	1.63	2.51	5.11	2.54	2.97
15	3.14	2.62	2.60	2.37	2.45	2.30	2.32	1.51	2.42	3.58	2.54	3.08
20	3.01	2.71	2.52	2.29	2.42	2.20	2.20	1.70	2.48	2.58	2.53	2.59
25	3.36	2.65	2.46	2.24	2.40	2.40	2.04	1.94	2.74	2.35	2.55	2.78
EOM	2.52	2.56	2.49	2.20	2.40	2.48	1.95	2.40	2.87	2.29	2.62	2.51
MAX	4.08	2.71	2.68	2.53	2.47	2.50	2.58	2.40	2.97	5.11	2.62	3.16



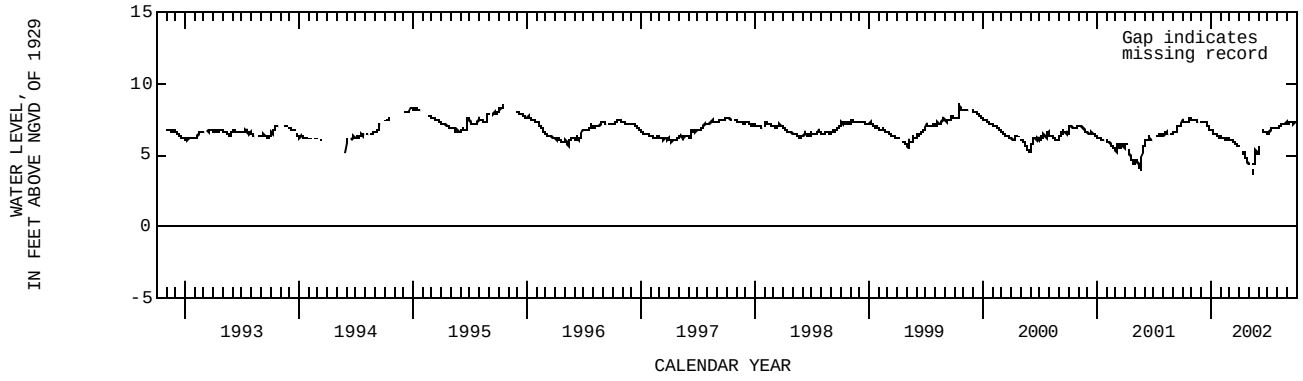
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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 Highway 41, and 18.9 mi southwest of the intersection of US Highway 41 and State Road 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 U.S. 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. See REMARKS.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.32	7.41	7.30	6.67	6.16	6.03	---	---	5.43	6.57	6.97	7.21
10	7.25	7.40	7.33	6.51	6.16	6.01	5.12	---	---	6.77	6.99	7.32
15	7.25	7.39	7.26	6.44	6.11	5.91	5.15	3.99	6.75	6.91	7.11	7.34
20	7.35	7.37	7.06	6.33	6.04	5.83	4.94	5.33	6.59	6.88	7.13	7.21
25	7.52	---	6.90	6.24	6.12	5.71	4.64	5.23	6.62	6.88	7.14	7.32
EOM	7.41	7.30	6.73	6.15	6.10	---	4.33	5.11	6.54	6.88	7.29	7.33
MAX	7.56	---	7.33	6.73	6.28	---	---	---	---	6.95	7.33	7.36



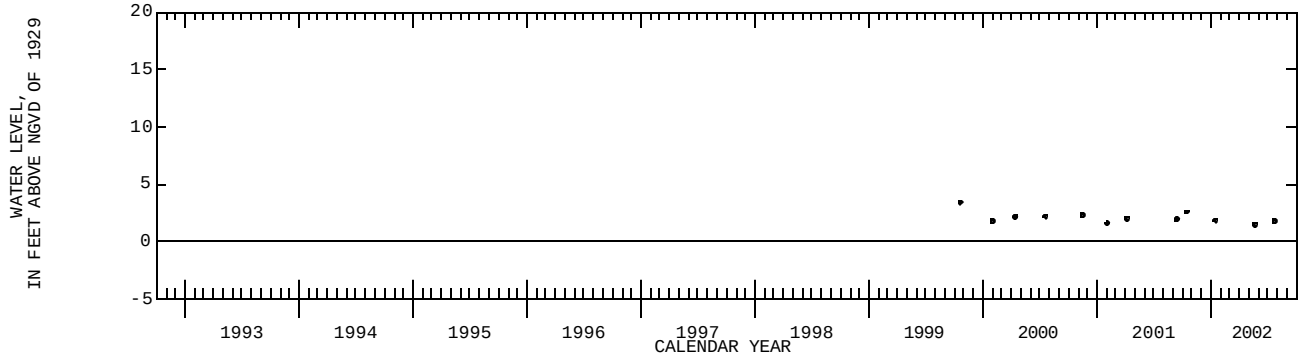
MIAMI-DADE COUNTY--Continued

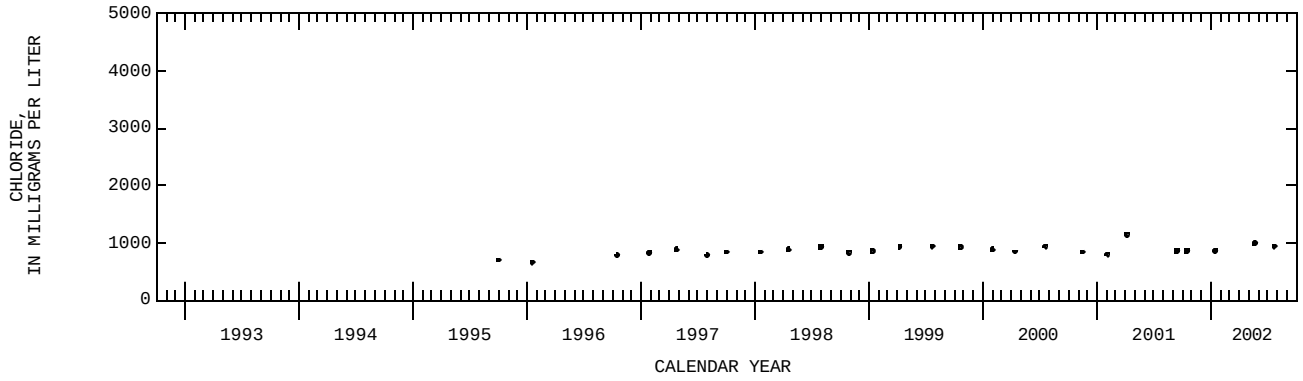
WELL NUMBER.--254005080171601. Local Number G 3609. USGS Observation Well near Pinecrest, FL.

LOCATION.--Lat 25°40'05", long 80°17'16", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 1.48 ft NGVD, May 20, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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					MAY				
16...	1252	2750	860	2.56	20...	1400	3210	980	1.48
JAN					JUL				
15...	1011	2880	860	1.84	22...	1320	3250	940	1.79

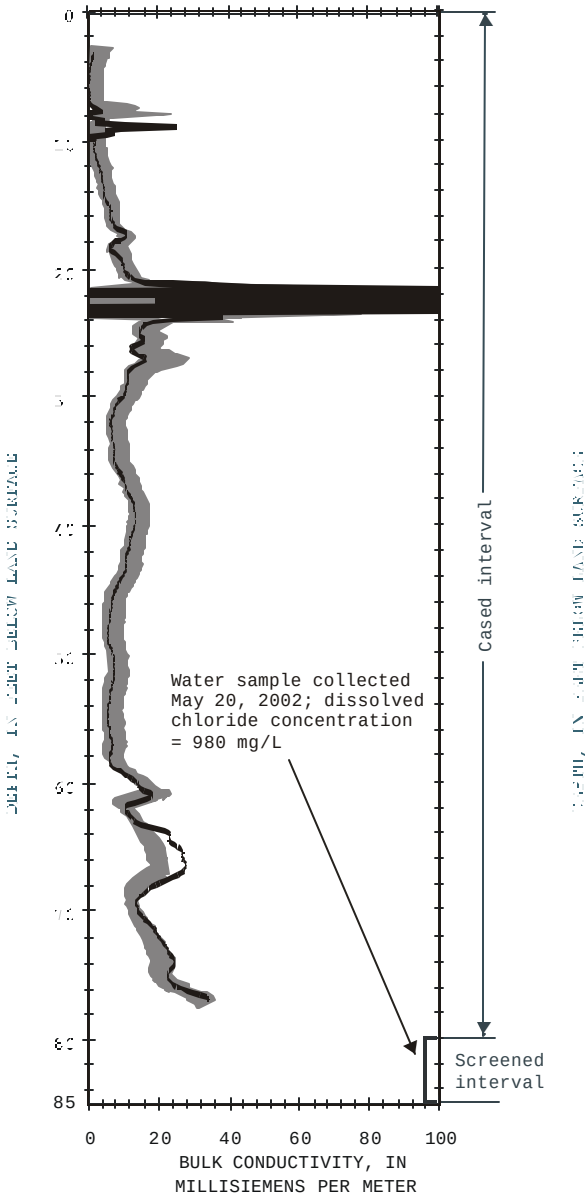




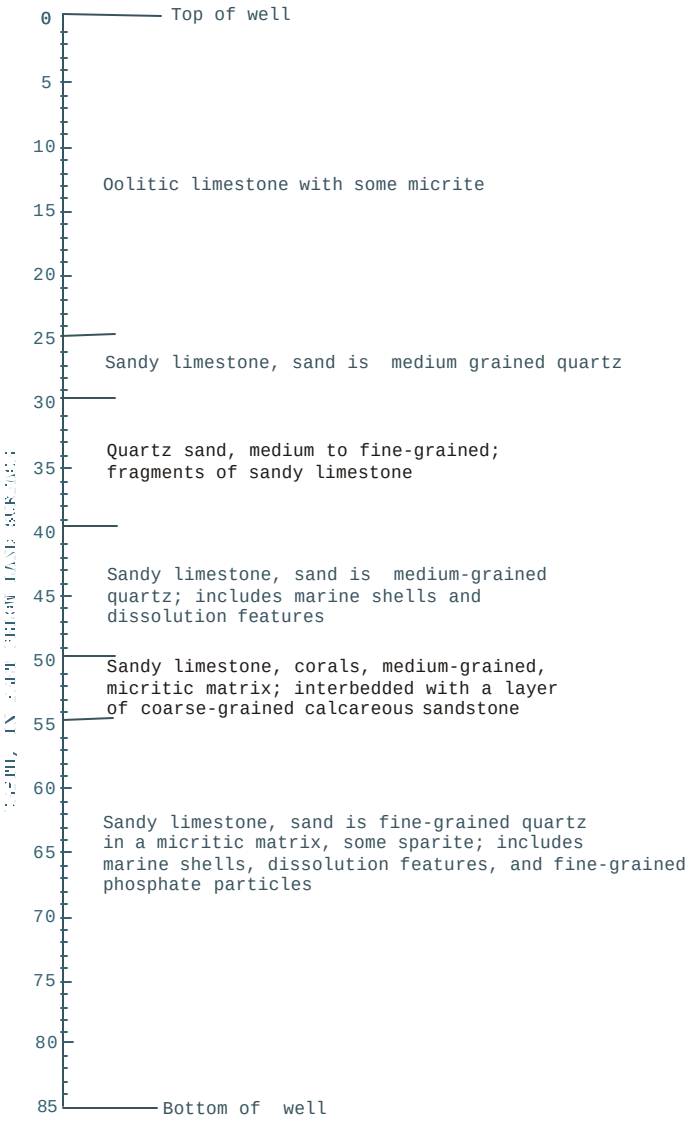
WELL NUMBER.--254005080171601. Local Number G 3609. USGS Observation Well near Pinecrest, FL.

254005080171601 G-3609

BULK CONDUCTIVITY



LITHOLOGIC LOG



EXPLANATION

Bulk conductivity in millisiemens per meter May 20, 2002

Shaded area represents range in bulk conductivity logs collected annually from January 1, 1996 to April 6, 2001

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

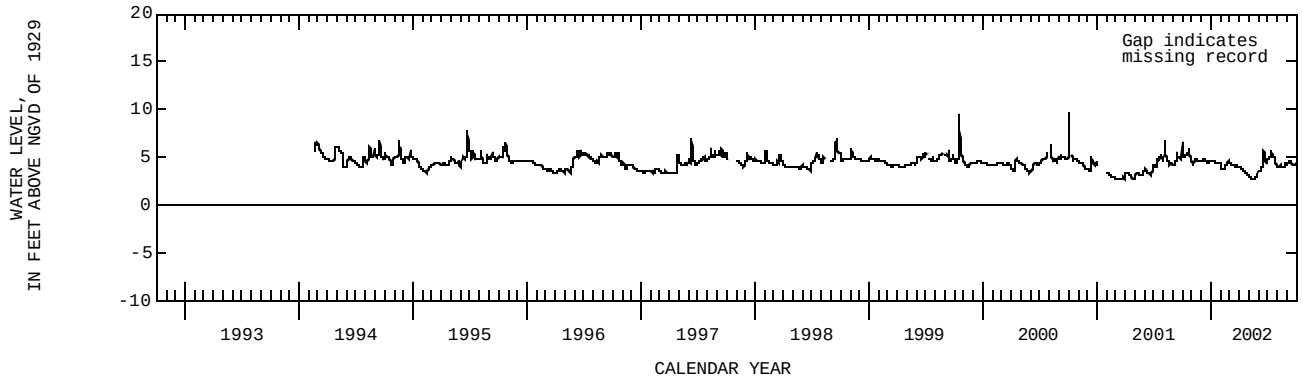
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254022080263601. Local Number G 3561. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'22", long 80°26'36", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.05	4.24	4.55	4.66	3.80	4.21	3.92	3.01	3.67	4.72	3.94	4.40
10	5.20	4.71	4.76	4.55	3.75	4.22	3.78	2.84	4.01	5.68	4.11	4.61
15	5.47	4.76	4.59	4.48	4.15	4.12	3.63	2.74	5.21	5.21	3.96	4.42
20	5.12	4.72	4.49	4.42	4.23	4.04	3.47	2.83	5.01	5.03	4.00	4.26
25	5.02	4.66	4.55	4.41	4.56	4.13	3.34	2.90	4.59	4.56	4.31	4.11
EOM	4.63	4.61	4.67	4.16	4.47	4.00	3.18	3.54	4.52	4.08	4.36	4.32
MAX	5.83	4.76	4.77	4.72	4.56	4.38	4.01	3.54	5.61	5.68	4.44	4.63



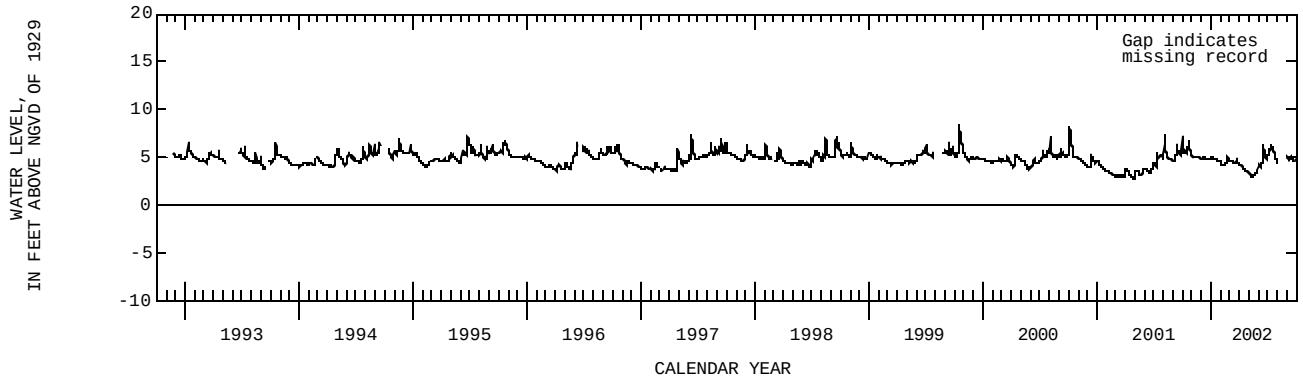
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254038080280201. Local Number G 855. USGS Observation Well near Kendall, FL.

LOCATION.--Lat 25°40'38", long 80°28'02", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.52	5.02	4.81	4.97	4.18	4.54	4.27	3.25	4.12	5.17	---	5.14
10	5.63	5.11	5.03	4.82	4.17	4.60	4.07	3.08	4.37	6.29	---	4.77
15	5.91	5.08	4.87	4.78	4.46	4.46	3.89	2.93	6.26	5.80	---	4.85
20	5.71	5.02	4.80	4.67	4.50	4.37	3.74	3.20	5.42	5.66	---	4.76
25	5.75	4.95	4.84	4.66	4.90	4.57	3.62	3.27	5.02	5.15	---	4.59
EOM	5.15	4.86	5.02	4.45	4.80	4.31	3.43	4.00	5.08	4.61	4.95	4.85
MAX	6.71	5.12	5.12	5.07	4.95	4.76	4.29	4.00	6.26	6.29	---	5.14



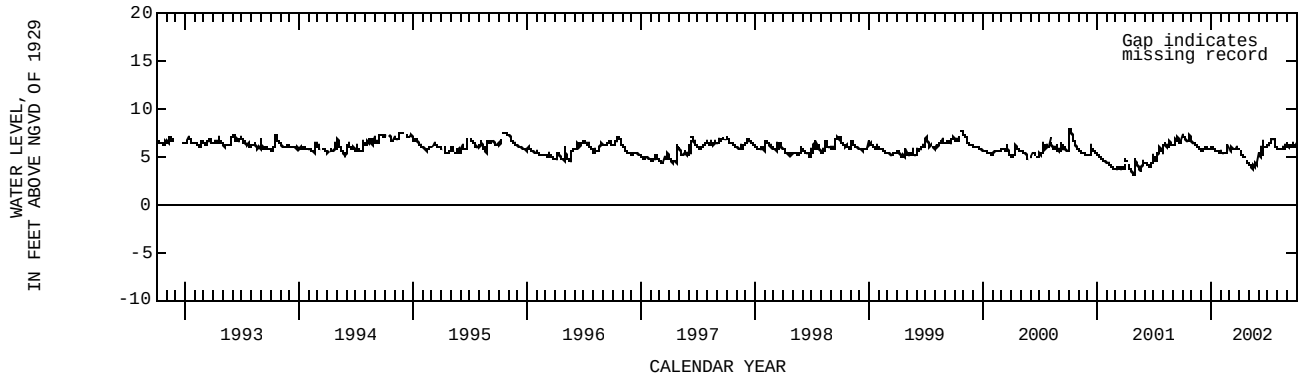
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254054080295401. Local Number G 1487. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'54", long 80°29'54", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 Highway 41, 3.5 mi north of Howard Drive, and 1 mi west of State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.04	6.43	5.65	5.89	5.36	5.67	5.60	4.06	5.12	6.07	5.91	6.25
10	6.90	6.24	5.92	5.77	5.45	5.85	5.11	3.88	5.33	6.69	5.77	6.15
15	6.57	6.09	5.95	5.68	5.33	5.75	4.99	3.88	6.61	6.89	5.73	6.18
20	6.75	5.95	5.93	5.56	5.31	5.71	4.72	4.22	6.06	6.89	5.94	6.37
25	7.17	5.82	5.81	5.53	5.77	5.81	4.52	4.23	6.03	6.25	5.93	6.05
EOM	6.61	5.73	5.97	5.43	5.73	---	4.28	5.49	6.10	5.84	6.25	6.37
MAX	7.29	6.43	5.98	6.00	6.16	---	---	5.49	6.61	6.96	6.41	6.37



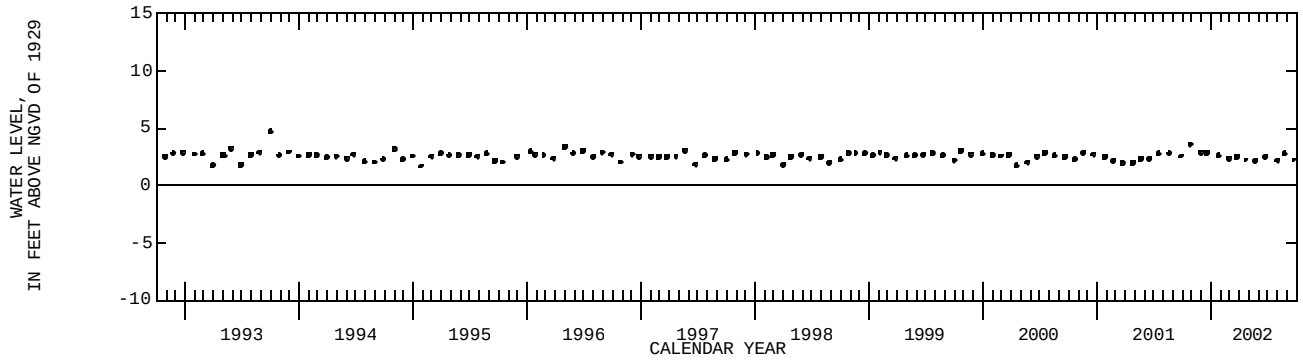
MIAMI-DADE COUNTY--Continued

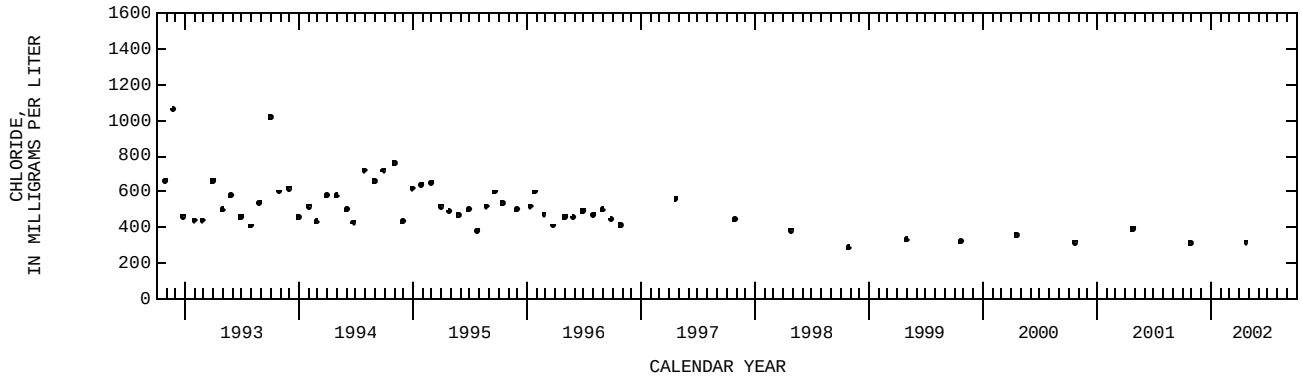
WELL NUMBER.--254107080165201. Local Number G 896. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'07", long 80°16'52", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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. (Corrected).
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
26...	1415	1480	315	3.57
NOV				
29...	1228	--	--	2.88
DEC				
18...	1228	--	--	2.84
JAN				
24...	1342	--	--	2.62
FEB				
26...	1745	--	--	2.38
MAR				
25...	1325	--	--	2.51
APR				
22...	1440	1410	320	2.22
MAY				
23...	1155	--	--	2.15
JUN				
24...	1315	--	--	2.45
AUG				
02...	1450	--	--	2.19
23...	1243	--	--	2.78
SEP				
23...	1240	--	--	2.22





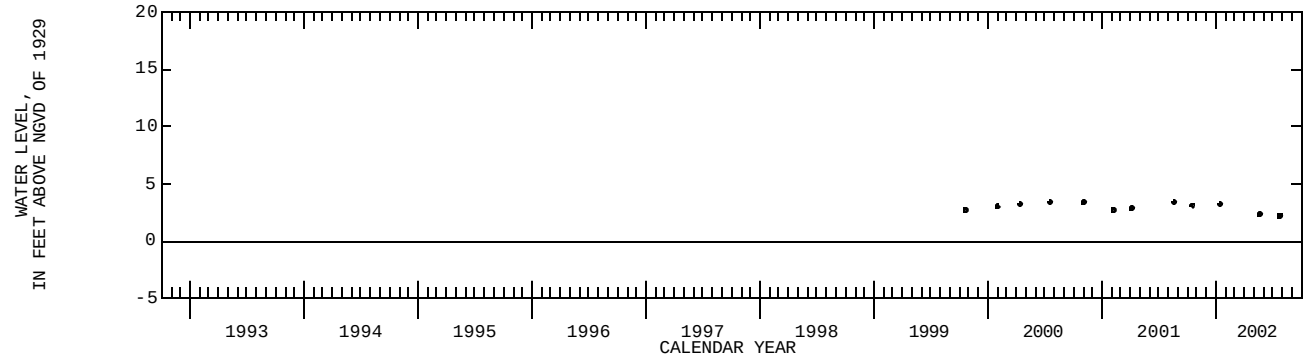
MIAMI-DADE COUNTY--Continued

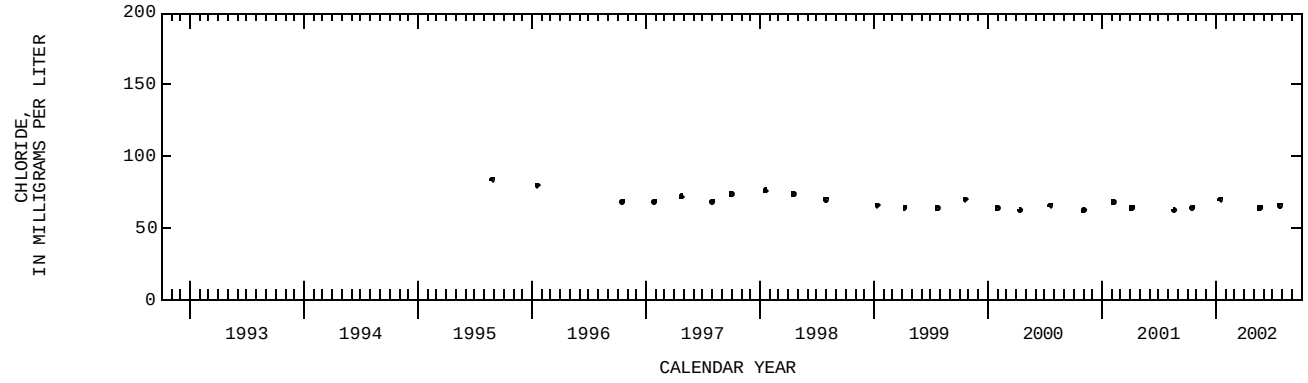
WELL NUMBER.--254108080170601 Local Number G 3608. USGS Observation Well near Kendall, FL.

LOCATION.--Lat 25°41'08", long 80°17'06", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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. 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 2.21 ft NGVD, July 23, 2002.

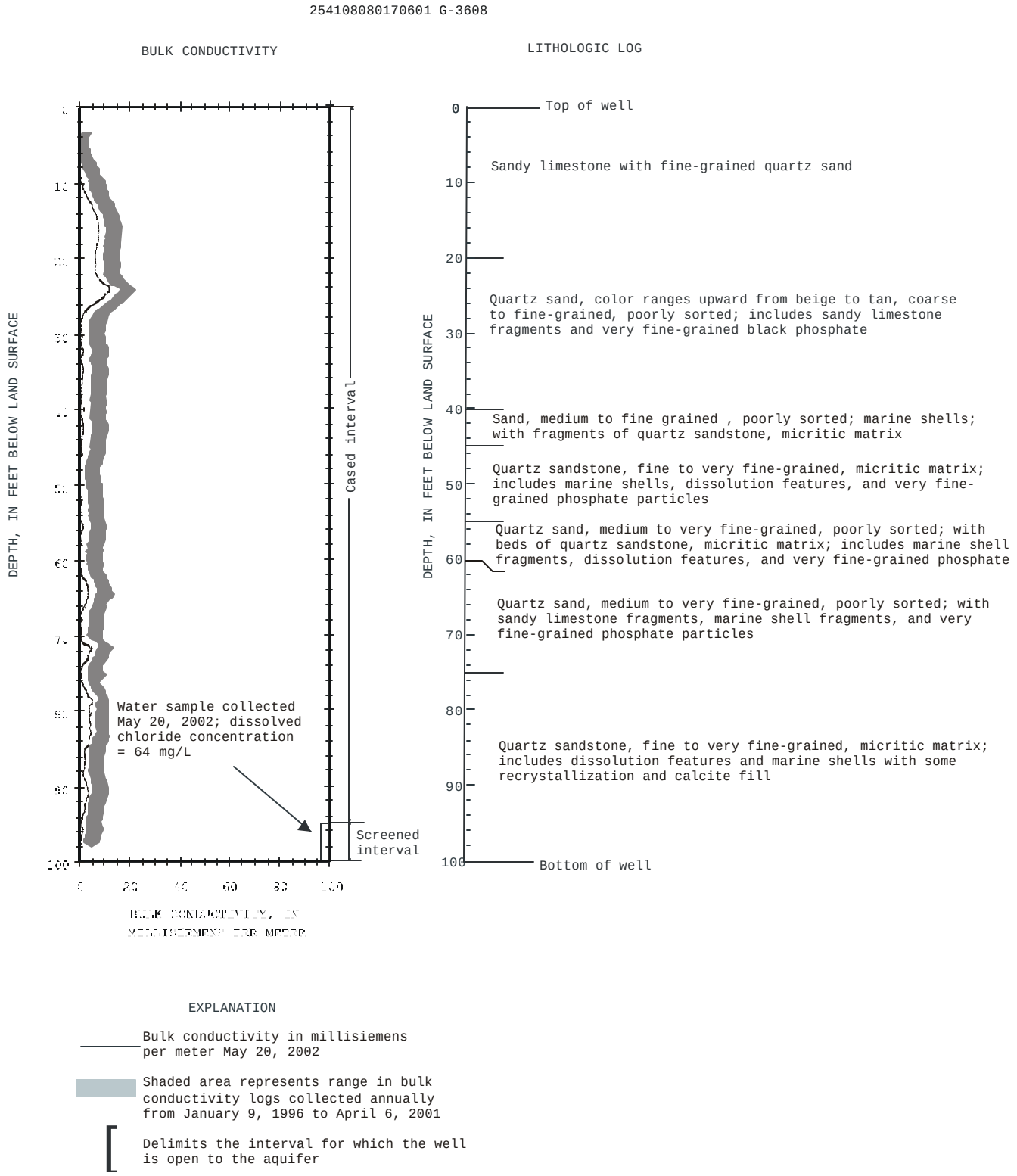
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
17...	0826	549	64.0	3.12	20...	1045	577	64.0	2.32
JAN					JUL				
15...	0810	550	70.0	3.18	23...	0950	598	66.0	2.21





WELL NUMBER.--254108080170601 Local Number G 3608. USGS Observation Well near Kendall, FL.



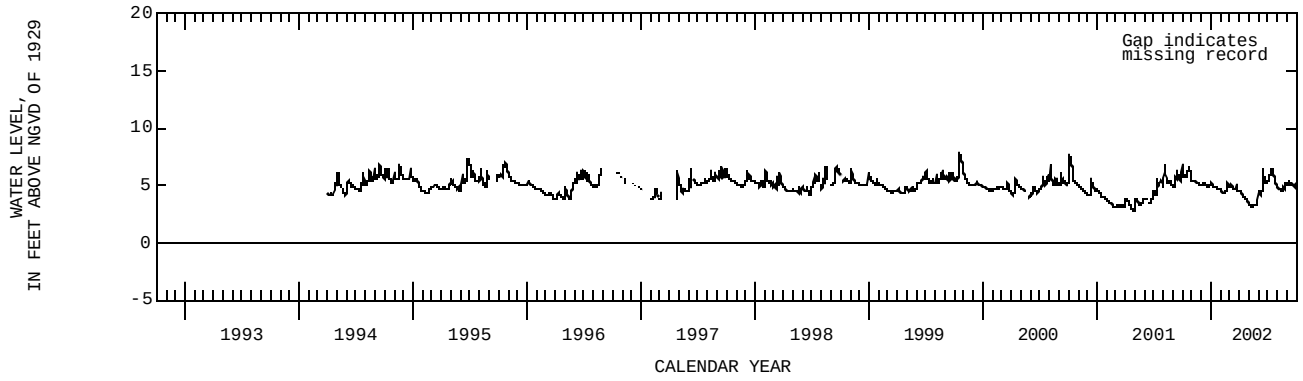
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254108080231301. Local Number G 3560. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'08", long 80°28'13", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.77	5.46	4.95	5.06	4.37	4.73	4.49	3.35	4.31	5.39	4.61	5.35
10	5.90	5.30	5.16	4.90	4.37	4.78	4.21	3.16	4.46	6.29	4.72	5.20
15	6.11	5.24	5.02	4.81	4.54	4.61	4.03	3.00	6.39	6.02	4.57	5.09
20	6.05	5.17	4.93	4.73	4.56	4.52	3.82	3.34	5.45	5.92	4.81	5.09
25	6.18	5.08	4.90	4.72	5.03	4.74	3.69	3.36	5.19	5.43	5.11	4.81
EOM	5.46	5.01	5.13	4.55	4.92	4.47	3.51	4.37	5.40	4.95	5.25	5.25
MAX	6.61	5.46	5.22	5.19	5.18	5.12	4.51	4.37	6.39	6.38	5.25	5.35



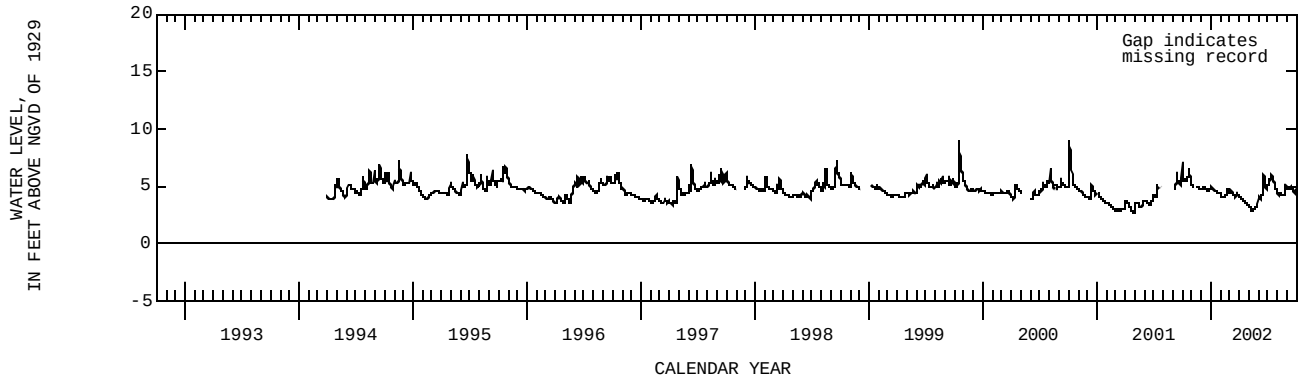
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254111080272501. Local Number G 3555. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'11", long 80°27'25", in NW $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.46	---	4.66	4.78	4.05	4.31	4.09	3.11	4.01	5.09	4.24	4.79
10	5.54	---	4.84	4.65	3.98	4.41	3.91	2.91	4.13	6.00	4.32	4.83
15	5.72	4.92	4.70	4.55	4.18	4.23	3.74	2.77	5.69	5.72	4.18	4.76
20	5.69	4.85	4.58	4.45	4.24	4.12	3.58	3.07	5.42	5.45	4.23	4.53
25	5.82	4.79	4.59	4.44	4.67	4.29	3.43	3.13	4.92	4.97	4.83	4.43
EOM	5.06	4.71	4.76	4.29	4.56	4.08	3.27	3.92	5.13	4.46	4.85	4.67
MAX	6.56	---	4.85	4.84	4.68	4.50	4.10	3.92	5.93	6.01	5.03	4.87



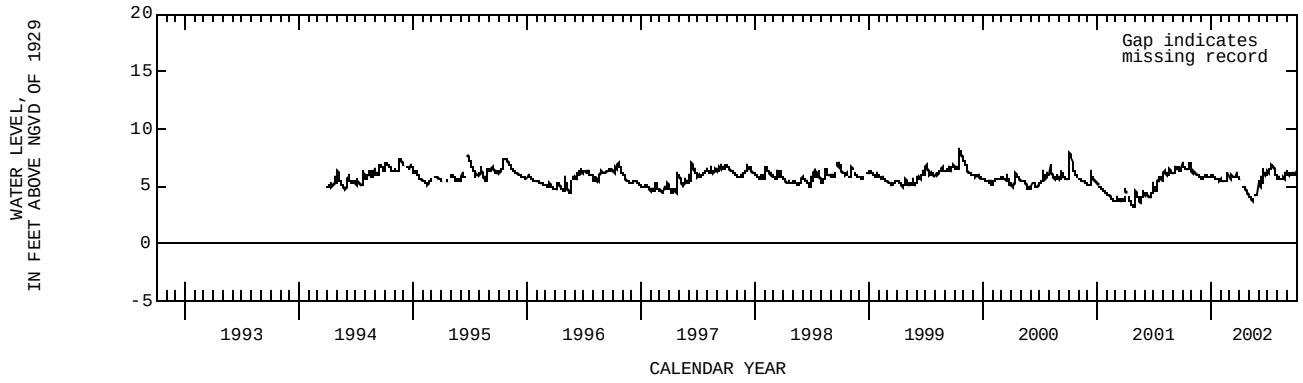
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254112080294201. Local Number G 3557. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'14", long 80°29'46", in NW $^{1}/_{4}$, 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.72	6.29	5.62	5.88	5.39	5.67	5.62	4.01	5.08	6.07	5.75	6.16
10	6.63	6.13	5.90	5.78	5.49	5.85	---	3.83	5.28	6.60	5.64	6.06
15	6.46	6.01	5.89	5.70	5.37	5.73	4.93	3.82	6.48	6.71	5.56	6.08
20	6.59	5.92	5.88	5.60	5.34	5.70	4.70	4.14	6.08	6.68	5.80	6.21
25	6.94	5.79	5.77	5.59	5.80	5.83	4.52	4.18	6.02	6.15	5.84	5.91
EOM	6.29	5.71	5.96	5.46	5.72	5.62	4.25	5.28	6.09	5.72	6.13	6.24
MAX	7.06	6.29	5.96	6.03	6.12	6.07	---	---	6.48	6.78	6.27	6.24



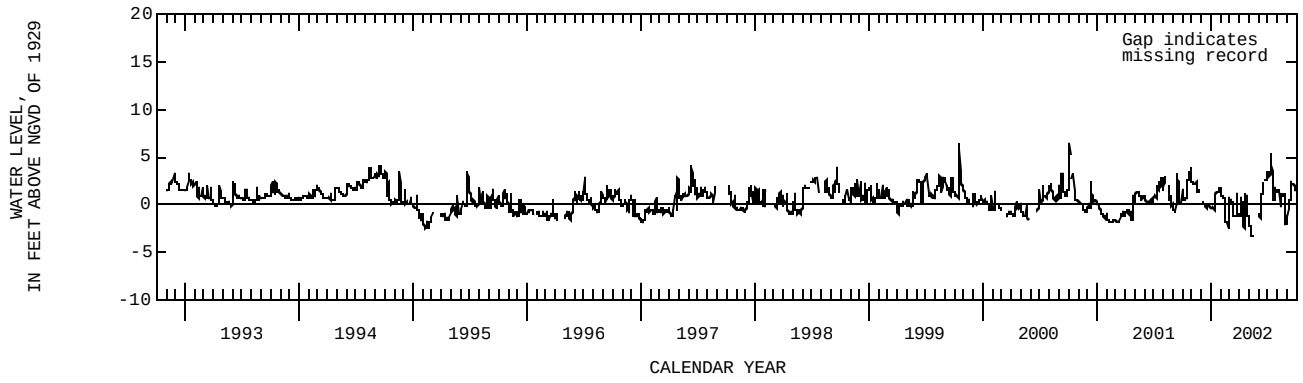
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ 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 in. from a depth of 0 to 29 ft, 18 in. from 29 to 71 ft, depth 80 ft, cased to 71 ft, slotted 29 to 71 ft, open hole 71 to 80 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, 3.39 ft below NGVD, May 13, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	0.57	2.26	0.23	-0.37	0.90	0.11	-1.18	-2.29	-1.13	3.01	1.54	-0.28
10	0.57	2.23	0.11	-0.46	0.78	0.38	0.36	-3.05	1.01	3.78	-0.32	0.41
15	0.59	1.46	-0.23	1.23	-1.79	-1.15	-2.31	---	1.87	3.39	1.15	2.27
20	2.73	1.29	-0.13	1.32	-1.95	-1.08	1.08	---	---	0.52	0.88	2.14
25	3.77	---	-0.23	1.63	-0.40	-1.17	0.99	---	2.57	1.78	-1.48	1.38
EOM	2.33	---	-0.53	1.27	0.44	-1.19	-1.26	---	2.82	1.35	-1.26	1.46
MAX	---	---	---	1.69	1.20	1.13	1.08	---	---	5.29	1.54	2.48



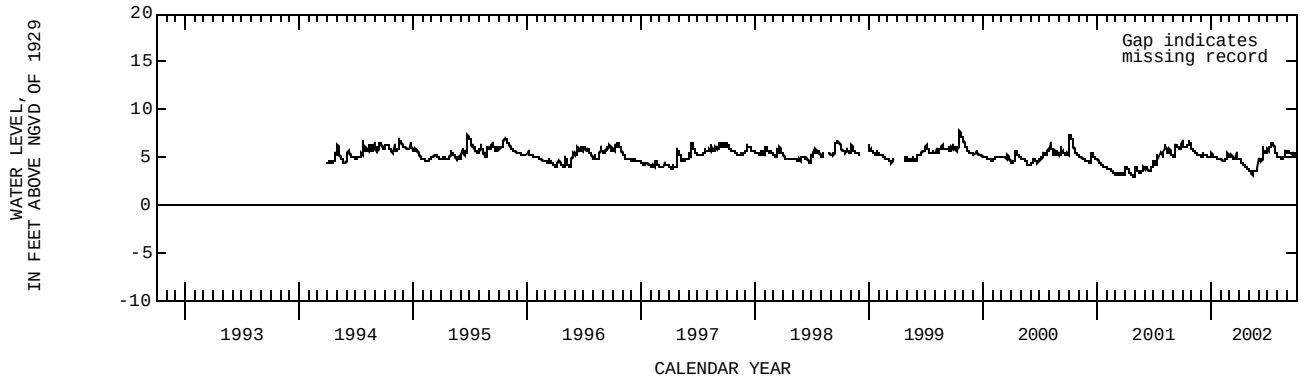
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254138080284401. Local Number G 3552. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'38", long 80°28'44", in NW 1/4 SW 1/4 NW 1/4 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.19	5.82	5.08	5.25	4.70	5.00	4.80	3.48	4.63	5.59	4.99	5.61
10	6.17	5.56	5.32	5.11	4.69	5.05	4.46	3.31	4.75	6.28	5.03	5.46
15	6.12	5.44	5.19	5.06	4.79	4.90	4.25	3.32	6.17	6.29	4.91	5.40
20	6.23	5.34	5.12	4.94	4.79	4.83	4.06	3.61	5.66	6.22	5.13	5.41
25	6.53	5.20	5.09	4.89	5.19	5.01	3.89	3.63	5.49	5.79	5.31	5.15
EOM	5.89	5.11	5.35	4.81	5.10	4.76	3.70	4.82	5.74	5.20	5.56	5.56
MAX	6.72	5.82	5.36	5.39	5.38	5.36	4.82	4.82	6.17	6.45	5.61	5.73



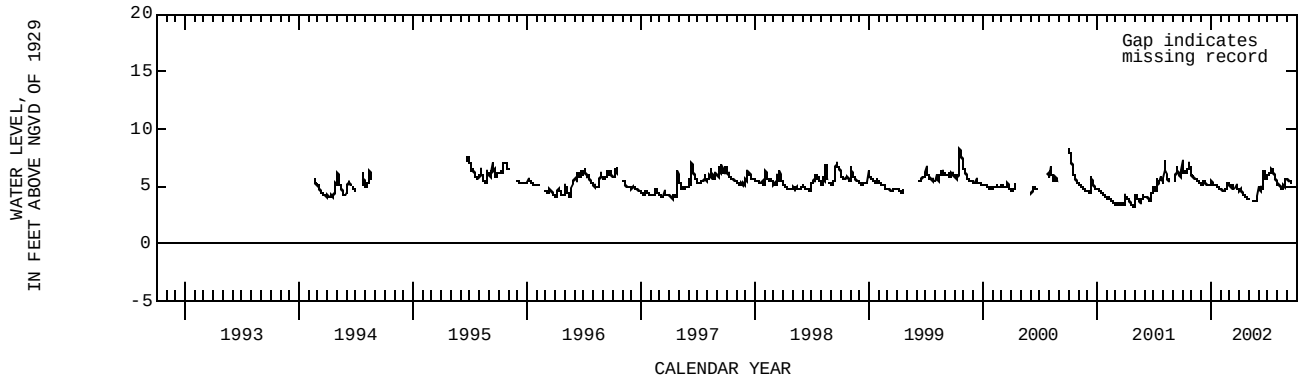
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254152080274501. Local Number G 3554. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'52", long 80°27'45", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.19	5.82	5.09	5.26	4.62	4.91	4.70	---	4.72	5.74	4.91	5.48
10	6.22	5.59	5.34	5.10	4.60	4.99	4.48	---	4.76	6.44	5.00	5.44
15	6.30	5.48	5.18	5.04	4.76	4.79	4.31	---	6.31	6.38	4.82	5.39
20	6.33	5.36	5.09	4.93	4.77	4.69	4.12	3.76	5.94	6.17	5.00	---
25	6.64	5.26	5.09	4.86	5.19	4.83	3.97	3.76	5.58	5.74	5.45	---
EOM	5.91	5.14	5.31	4.77	5.07	4.65	3.81	4.98	5.91	5.17	5.60	---
MAX	6.96	5.86	5.38	5.37	5.29	5.11	4.72	---	6.31	6.57	5.64	---



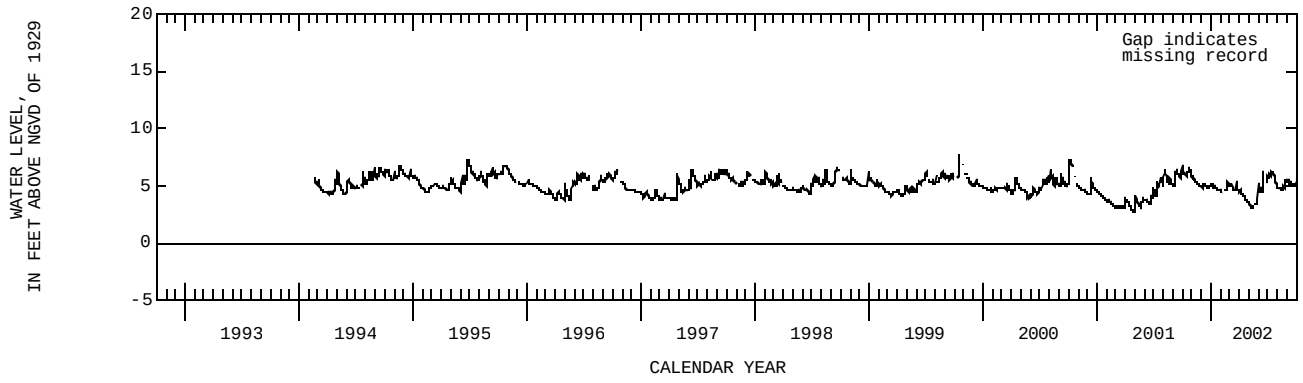
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254152080282101. Local Number G 3553. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'52", long 80°28'21", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.05	5.77	4.86	5.04	4.43	4.84	4.54	3.32	4.46	5.43	4.71	5.44
10	6.03	5.43	5.12	4.89	---	4.84	4.25	3.14	4.50	6.11	4.78	5.21
15	6.02	5.25	4.99	4.81	4.64	4.66	4.06	3.22	6.23	6.07	4.62	5.19
20	6.14	5.11	4.92	4.69	4.64	4.53	3.87	3.45	---	5.97	4.96	5.11
25	6.44	5.01	4.90	4.68	5.09	4.73	3.71	3.45	---	5.66	5.15	4.92
EOM	5.79	4.92	5.15	4.54	4.98	4.47	3.52	5.08	5.75	5.00	5.39	5.32
MAX	6.56	5.77	5.20	---	---	5.27	4.57	---	---	6.26	5.56	5.55



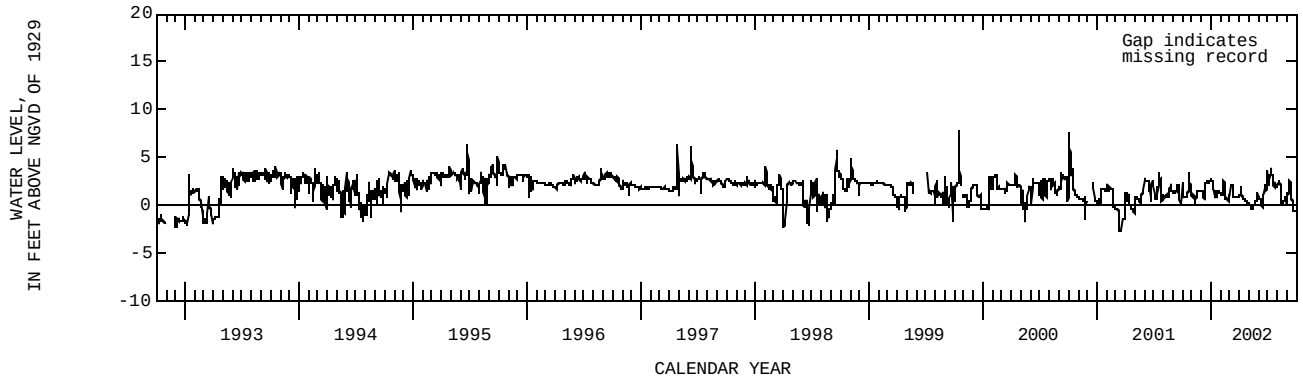
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	0.84	1.07	1.20	2.46	1.12	2.06	1.97	0.03	0.69	3.25	2.52	1.72
10	0.92	0.32	0.54	0.78	2.47	2.15	0.79	-0.22	0.42	3.73	2.21	2.47
15	0.72	0.96	2.32	1.53	0.96	0.86	0.65	-0.18	0.93	3.06	0.12	0.86
20	1.48	1.48	2.40	0.56	0.44	0.87	0.60	0.33	1.87	2.14	0.34	-0.42
25	2.19	1.40	2.39	1.33	0.62	0.83	0.39	0.49	1.46	2.10	0.47	-0.57
EOM	1.00	1.41	2.58	1.20	1.01	0.79	0.23	0.57	1.73	1.70	1.19	-0.61
MAX	3.43	1.49	2.58	2.67	2.47	2.15	1.97	1.24	2.04	3.73	2.56	2.47



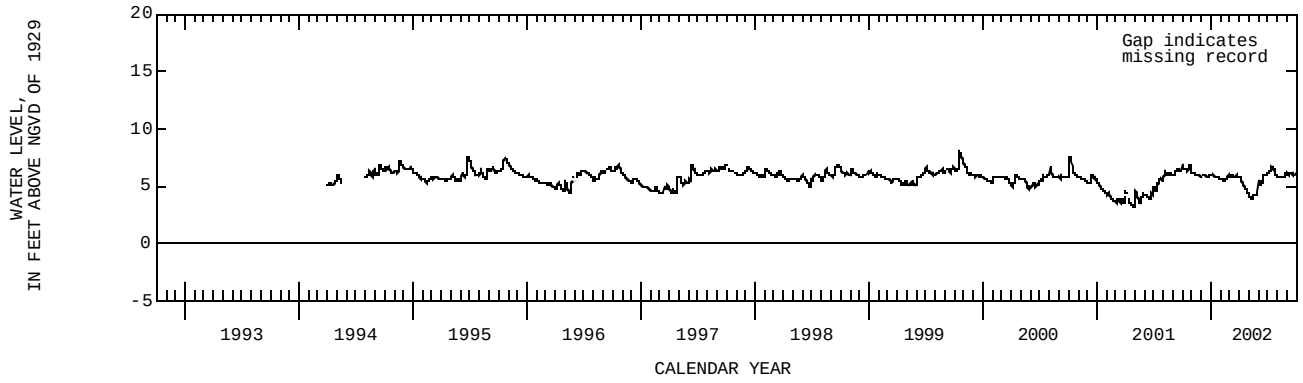
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254158080294501. Local Number G 3551. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°41'58", long 80°29'45", in SW $^1/_4$ NW $^1/_4$ NW $^1/_4$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.56	6.16	---	5.91	5.54	5.83	5.79	4.07	5.10	6.05	5.81	6.06
10	6.51	6.07	5.93	5.83	5.49	5.93	5.27	3.88	5.30	6.42	5.79	6.10
15	6.36	6.03	5.88	5.82	5.48	5.84	5.04	4.20	6.02	6.54	5.75	6.09
20	6.46	5.93	5.88	5.75	5.49	5.82	4.79	4.25	6.01	6.51	5.81	6.09
25	6.81	5.89	5.86	5.70	5.90	5.87	4.58	4.21	6.01	6.08	5.90	6.04
EOM	6.20	5.81	5.96	5.59	5.85	5.77	4.31	5.40	6.00	5.82	6.07	6.12
MAX	6.88	6.16	---	5.96	5.90	5.94	5.83	---	6.02	6.66	6.09	6.15



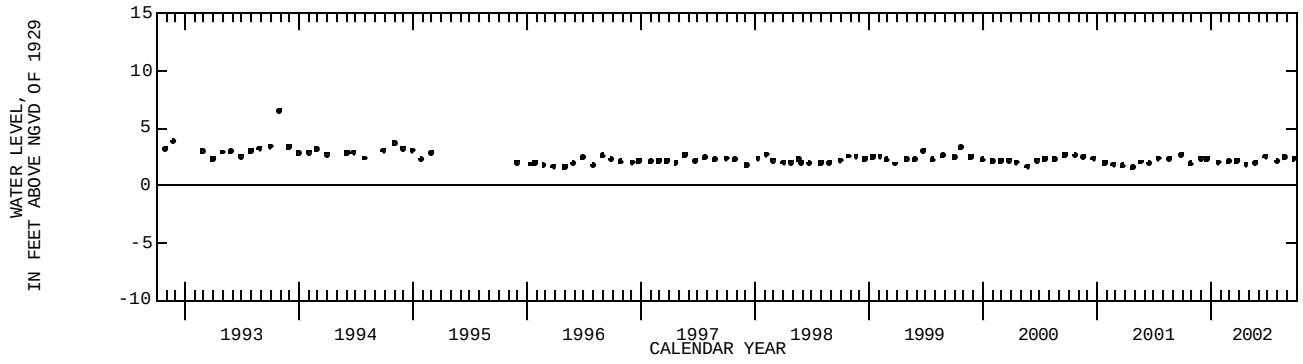
MIAMI-DADE COUNTY

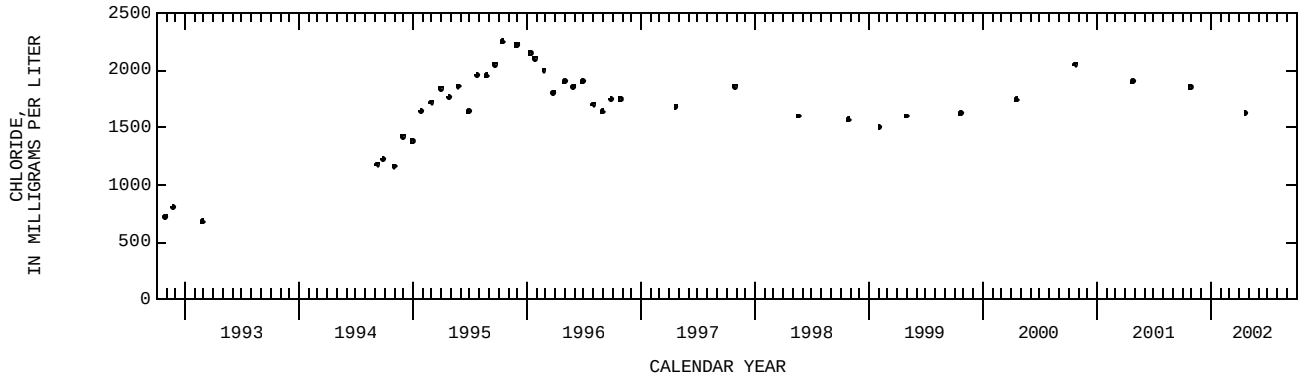
WELL NUMBER.--254201080173001. Local Number G 901. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'01", long 80°17'30", in SE $^1/_4$ NW $^1/_4$ NE $^1/_4$ sec.36, T.54 S., R.40 E., Hydrologic Unit 03090202, at southwest corner of intersection of SW 76th Street and SW 54th Avenue. (Corrected).
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
26...	1439	6030	1850	1.90
NOV				
29...	1241	--	--	2.36
DEC				
18...	1232	--	--	2.31
JAN				
24...	1353	--	--	1.99
FEB				
26...	1755	--	--	2.07
MAR				
25...	1340	--	--	2.10
APR				
22...	1510	5270	1620	1.86
MAY				
23...	1129	--	--	1.97
JUN				
24...	1235	--	--	2.54
AUG				
02...	1418	--	--	2.07
23...	1221	--	--	2.51
SEP				
23...	1224	--	--	2.32





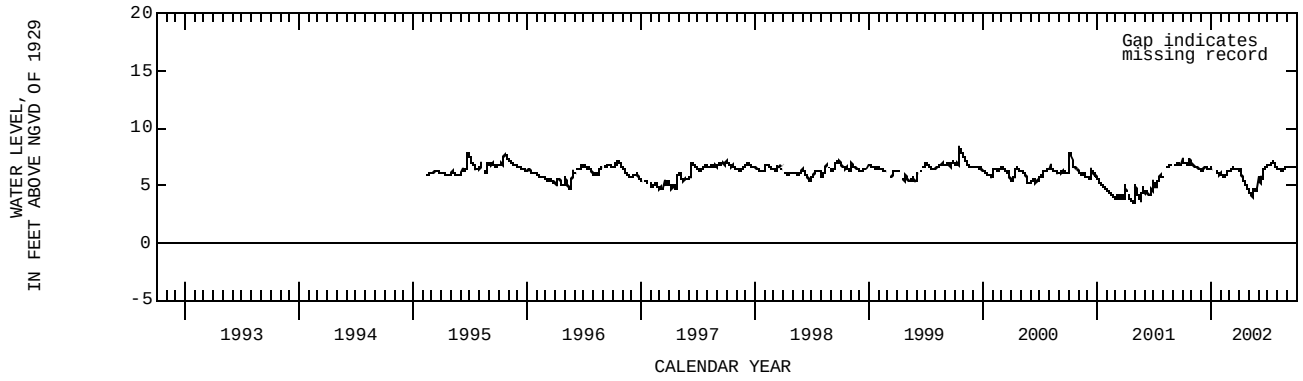
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254206080294701. Local Number G 3575. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'06", long 80°29'47", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 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. The published figures of water levels as elevation, in feet NGVD, prior to September 2000, are 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; lowest, 3.40 ft NGVD, Apr. 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.01	6.72	6.25	6.45	5.86	6.35	6.29	4.31	5.38	6.60	6.40	6.65
10	6.97	6.64	6.54	---	5.79	6.52	5.75	4.14	5.59	6.88	6.37	6.63
15	6.81	6.59	6.56	---	5.79	6.44	5.40	4.69	6.34	6.95	6.32	6.63
20	6.91	6.51	6.51	6.17	5.83	6.39	5.12	4.58	6.47	6.94	6.39	6.60
25	7.21	6.44	6.44	6.07	6.33	6.40	4.90	4.48	6.57	6.64	6.47	6.56
EOM	6.75	6.33	6.51	5.91	6.31	6.28	4.55	5.68	6.57	6.42	6.62	6.61
MAX	---	6.72	6.56	---	6.34	6.52	6.35	---	6.57	7.06	6.63	6.69



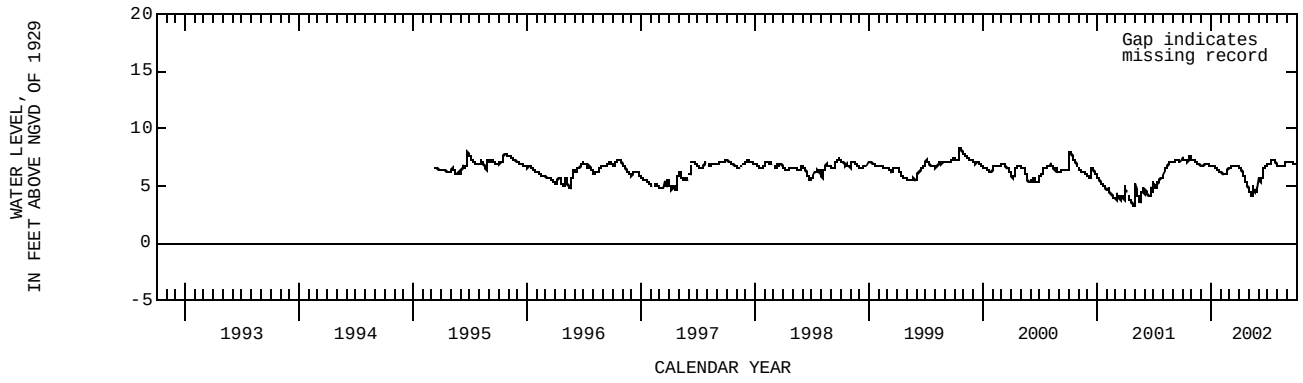
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254207080300201. Local Number G 3577. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'07", long 80°30'02", NW $^1/_4$ NE $^1/_4$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.33	7.20	6.62	6.75	6.08	6.60	6.57	4.42	5.48	6.86	6.78	7.04
10	7.28	7.16	6.88	6.66	5.94	6.76	6.26	4.23	5.66	7.01	6.74	7.02
15	7.15	7.02	6.96	6.58	5.99	6.76	5.86	4.92	6.38	7.16	6.70	7.06
20	7.21	6.94	6.95	6.46	6.03	6.70	5.52	4.62	6.60	7.22	6.72	6.98
25	7.55	6.82	6.80	6.36	6.51	6.68	5.15	4.50	6.75	7.04	6.84	6.92
EOM	7.30	6.70	6.74	6.18	6.54	6.60	4.80	5.66	6.77	6.84	7.06	6.95
MAX	7.55	7.26	6.96	6.77	6.54	6.76	6.58	5.66	6.77	7.28	7.06	7.06



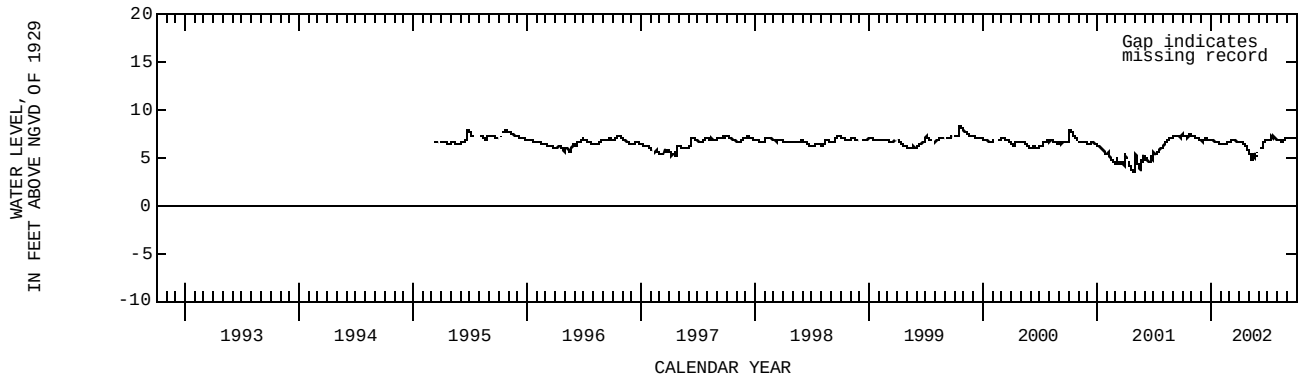
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254210080304801. Local Number G 3578. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'10", long 80°30'48", NE 1/4 NE 1/4 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.35	7.24	6.72	6.80	6.44	6.70	6.69	5.33	---	6.84	6.79	7.08
10	7.30	7.15	6.98	6.74	6.39	6.83	6.58	4.91	6.01	7.03	6.78	7.12
15	7.13	7.06	7.04	6.69	6.43	6.82	6.45	5.33	6.44	7.15	6.75	7.11
20	7.25	6.97	6.99	6.64	6.45	6.77	6.28	5.36	6.62	7.18	6.77	7.03
25	7.55	6.89	6.87	6.57	6.63	6.75	6.05	5.10	6.78	7.03	6.91	7.00
EOM	7.34	6.79	6.83	6.48	6.64	6.69	5.73	---	6.80	6.84	7.06	7.03
MAX	7.55	7.30	7.04	---	6.64	6.83	6.69	---	---	7.30	7.08	7.14



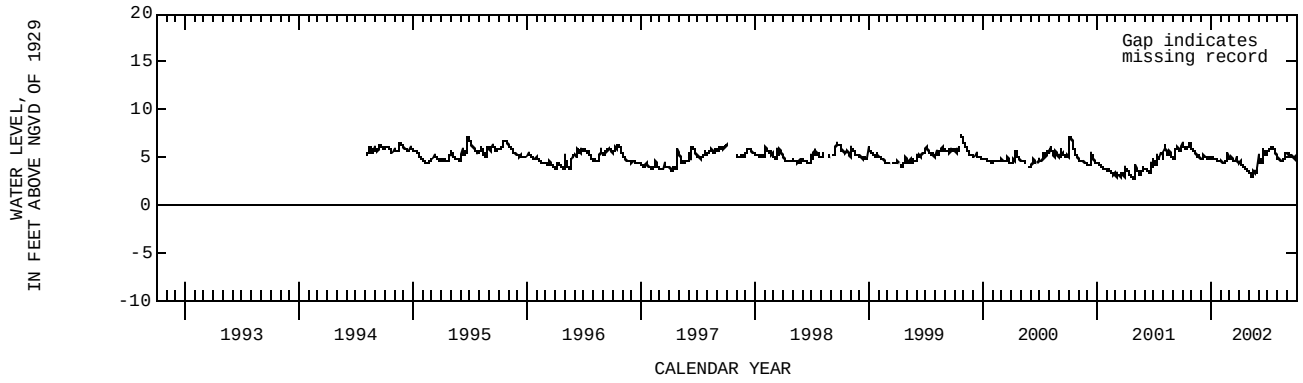
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254213080281501. Local Number G 3556. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'13", long 80°28'15", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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, 30, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.10	5.76	4.81	5.04	4.43	4.78	4.48	3.30	4.47	5.44	4.68	5.44
10	6.04	5.44	5.09	4.84	4.47	4.76	4.19	3.10	4.47	5.97	4.73	5.19
15	5.97	5.22	4.95	4.78	4.59	4.58	3.99	3.24	5.90	6.05	4.58	5.23
20	6.08	5.06	4.86	4.65	4.59	4.45	3.82	3.47	5.54	5.94	4.93	5.08
25	6.47	4.96	4.86	4.62	5.03	4.57	3.68	3.46	5.29	5.65	5.15	4.92
EOM	5.91	4.84	5.12	4.54	4.89	4.41	3.49	5.31	5.64	4.96	5.44	5.26
MAX	6.47	5.79	5.18	5.14	5.36	5.11	4.54	5.31	5.90	6.10	5.51	5.47



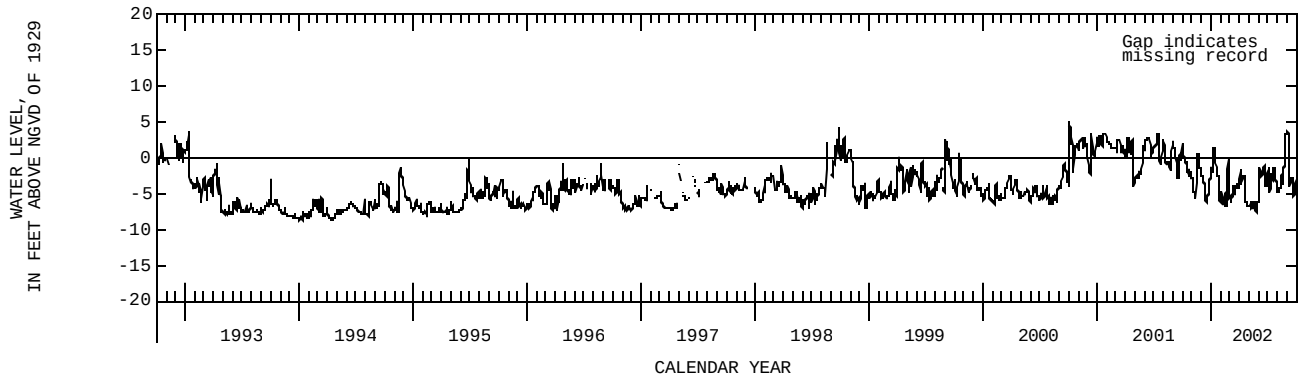
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ 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. Prior to October 1997, measuring point was top of base, 3.30 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	0.11	-4.75	-2.59	0.81	-5.54	-5.30	-3.10	-6.49	-1.45	-3.95	-4.82	0.08
10	-0.23	-5.53	-3.73	1.24	-6.01	-5.42	-3.24	-6.69	-2.46	-2.54	-4.16	-4.22
15	-2.15	-0.62	-6.17	-0.78	-5.11	-5.32	-2.50	-7.16	-1.90	-3.12	-2.48	-2.77
20	-2.73	0.60	-5.32	-2.24	-4.89	-4.15	-5.78	-6.13	-1.84	-1.37	-2.21	-4.40
25	-1.88	-1.49	-4.10	-3.35	-0.34	-3.73	-6.54	-7.49	-4.00	-2.86	1.80	-4.30
EOM	-2.92	-2.31	-2.53	-5.46	-5.33	-4.37	-6.90	-6.26	-3.49	-4.44	3.44	-3.07
MAX	1.73	0.64	-2.44	1.24	-0.25	-3.73	-1.70	-6.09	-1.24	-1.37	3.44	3.49



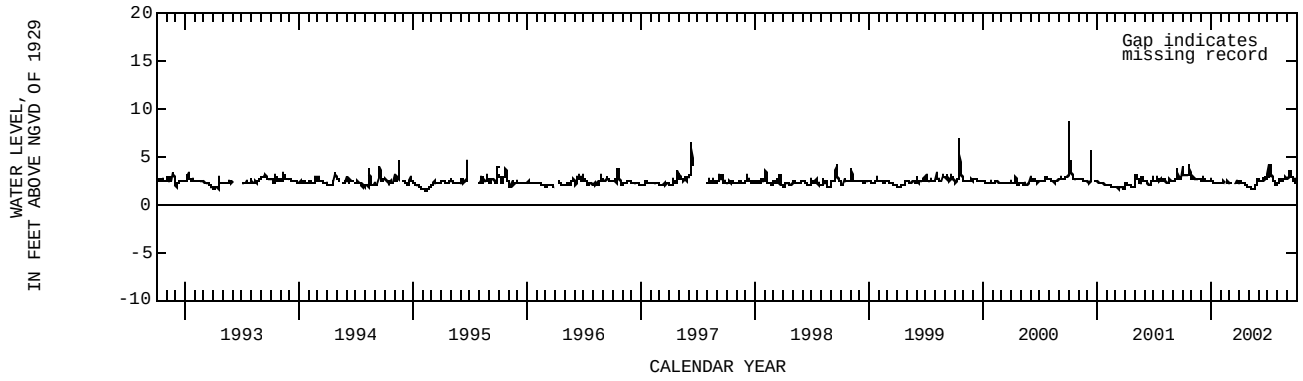
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ 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.
REMARKS.--In 1953, F-319 replaced a destroyed well of similar depth 250 ft. south of current location. Both wells were published under the designation of F-319.
PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.04	2.91	2.52	2.41	2.23	2.23	2.31	1.76	2.52	3.31	2.35	2.79
10	3.05	2.51	2.59	2.34	2.38	---	2.25	1.62	2.42	4.07	2.66	3.57
15	2.83	2.53	2.48	2.33	---	2.08	2.18	1.56	2.67	2.91	2.45	2.79
20	2.94	2.63	2.46	2.24	2.12	2.00	2.05	1.65	2.40	2.45	2.64	2.40
25	3.35	2.61	2.44	2.18	2.18	2.21	1.97	1.98	2.60	2.17	2.45	2.58
EOM	2.65	2.53	2.59	2.18	2.19	2.13	1.92	2.58	2.43	1.94	2.59	2.24
MAX	4.14	2.91	2.79	2.58	---	---	2.37	2.70	---	4.07	2.94	3.57



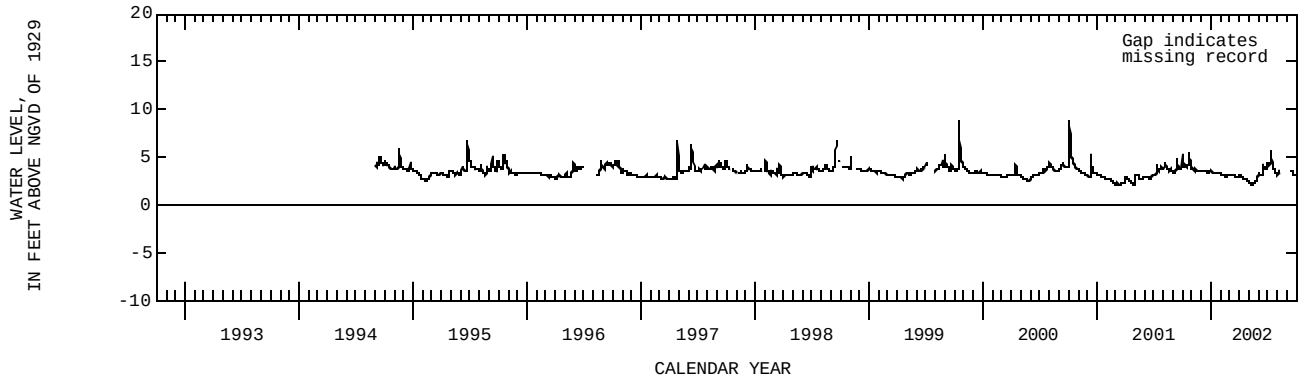
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254218080241801. Local Number G 3565. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°42'18", long 80°24'18", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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, 1.98 ft NGVD, May 13, 14, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.08	3.73	3.56	3.45	3.25	3.13	3.09	2.30	3.26	4.28	3.41	---
10	4.21	3.60	3.48	3.42	3.13	3.16	2.87	2.11	3.10	4.74	3.39	---
15	4.19	3.55	3.48	3.41	3.06	3.06	2.79	2.07	4.14	4.45	---	3.65
20	4.27	3.59	3.46	3.39	2.97	3.06	2.71	2.43	3.96	3.85	---	3.19
25	4.63	3.59	3.42	3.38	3.03	3.02	2.61	2.50	3.80	3.48	---	3.12
EOM	3.86	3.58	3.44	3.38	3.11	3.01	2.49	3.26	4.04	3.09	---	3.11
MAX	5.50	3.85	3.62	3.55	3.31	3.25	3.10	3.26	---	5.72	---	---



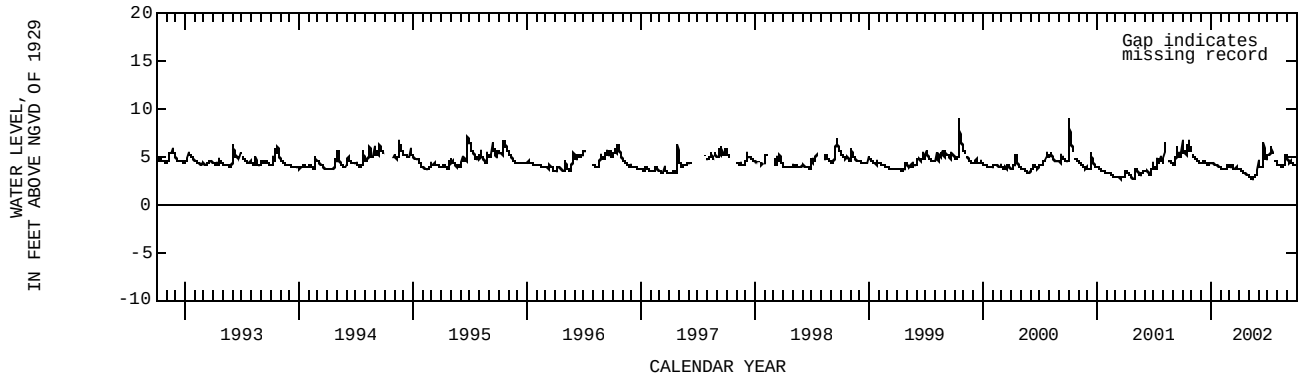
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ 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 casing 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.33	5.02	4.29	4.34	3.79	3.82	3.77	2.86	3.95	5.02	4.09	4.49
10	5.50	4.76	4.42	4.22	3.72	4.03	3.54	2.69	3.91	5.51	4.13	4.44
15	5.90	4.66	4.30	4.13	3.69	3.76	3.39	2.64	5.48	5.49	3.91	4.45
20	5.60	4.53	4.23	4.06	3.68	3.68	3.27	3.05	5.14	---	4.10	4.23
25	5.95	4.45	4.19	3.99	4.05	3.76	3.16	3.10	4.81	---	4.55	4.12
EOM	---	4.35	4.33	3.92	3.91	3.65	3.02	4.48	5.15	4.32	4.99	4.15
MAX	---	5.13	4.51	4.40	4.12	4.07	3.77	4.48	6.49	---	5.23	5.17



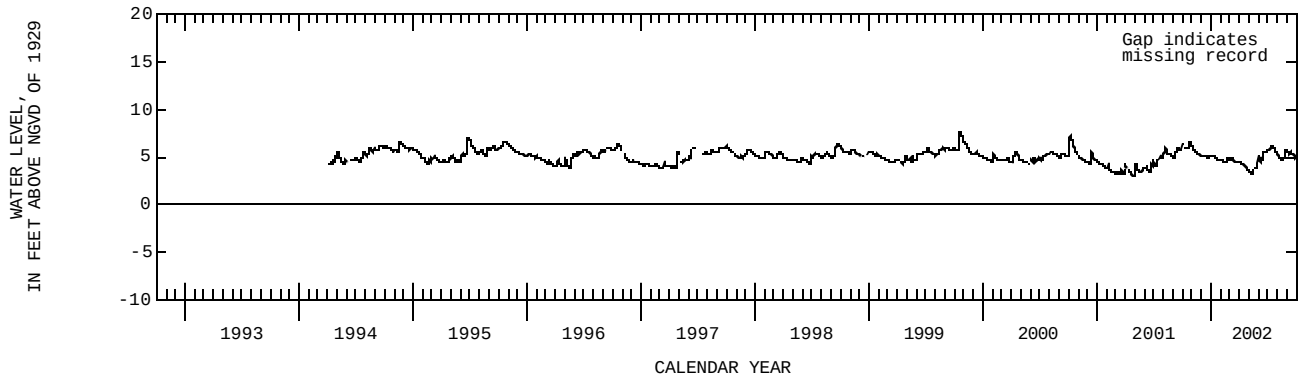
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254334080284401. Local Number G 3558. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°43'39", long 80°28'47", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.14	5.84	4.99	5.16	4.60	4.66	4.58	3.48	4.63	5.70	5.02	5.50
10	6.04	5.68	5.16	5.04	4.55	4.83	4.30	3.34	4.76	5.94	4.98	5.39
15	5.92	5.50	5.03	4.91	4.52	4.59	4.22	3.64	5.43	6.08	4.79	5.43
20	6.13	5.36	4.97	4.79	4.49	4.51	4.03	3.85	5.53	5.99	4.98	5.31
25	6.59	5.24	4.96	4.72	4.91	4.56	3.86	3.79	5.47	5.76	5.28	5.11
EOM	6.17	5.08	5.13	4.63	4.76	4.45	3.65	5.03	5.52	5.36	5.63	5.02
MAX	---	6.07	5.17	5.20	4.93	4.87	4.58	---	5.53	6.08	5.68	5.62



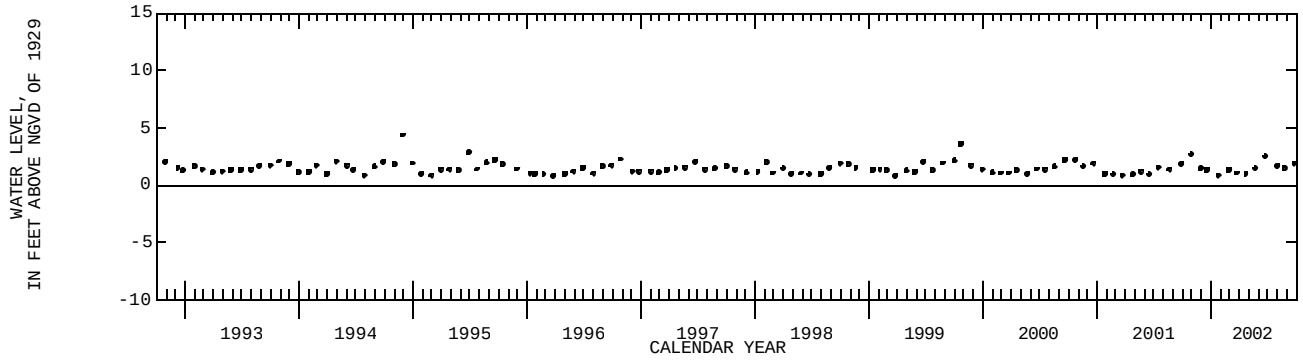
MIAMI-DADE COUNTY--Continued

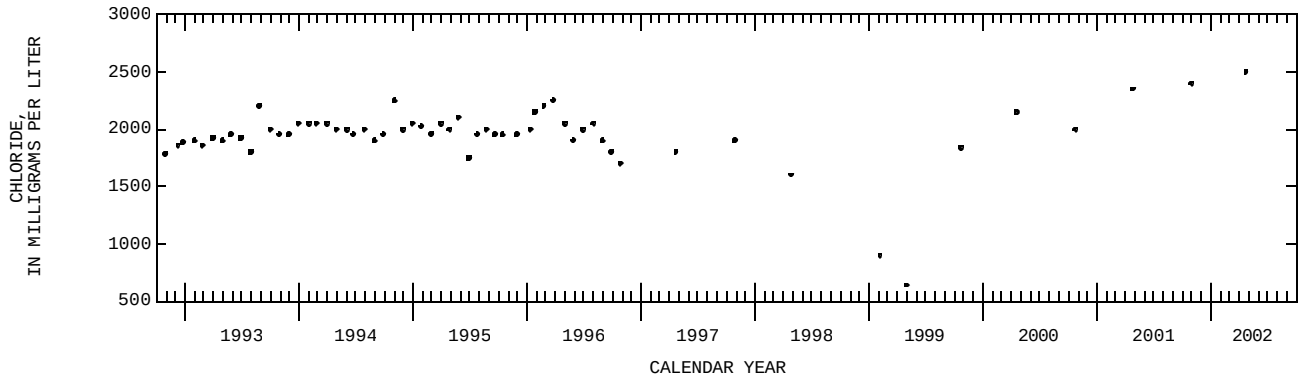
WELL NUMBER.--254335080170501. Local Number G 432. USGS Observation Well near Coral Gables, FL.

LOCATION.--Lat 25°43'35", long 80°17'05", in NW $^1/_4$ SW $^1/_4$ SW $^1/_4$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
29...	1128	7500	2400	2.68
NOV				
29...	1256	--	--	1.42
DEC				
18...	1243	--	--	1.30
JAN				
24...	1405	--	--	.84
FEB				
26...	1810	--	--	1.29
MAR				
25...	1355	--	--	1.05
APR				
22...	1540	7490	2500	.99
MAY				
23...	1050	--	--	1.45
JUN				
24...	1211	--	--	2.50
AUG				
02...	1350	--	--	1.65
23...	1158	--	--	1.51
SEP				
23...	1205	--	--	1.91





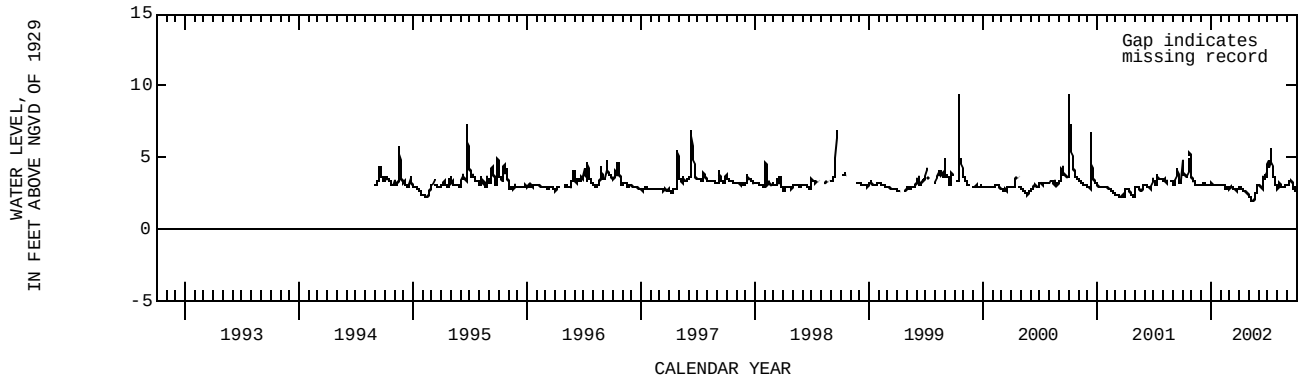
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254340080203601. Local Number G 3563. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°43'40", long 80°20'36", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 west of curb. (Corrected).
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, 1.88 ft NGVD, May 15, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.72	3.39	3.10	3.10	3.02	2.83	2.94	2.23	3.03	4.38	3.04	3.07
10	3.78	3.15	3.12	3.10	3.02	2.89	2.73	2.06	2.92	5.62	3.14	3.36
15	3.52	3.04	3.04	3.12	2.92	2.75	2.66	1.88	3.46	4.36	2.90	3.34
20	3.89	3.07	3.01	3.11	2.74	2.77	2.63	2.29	3.55	3.68	2.92	2.95
25	5.12	3.08	3.05	3.08	2.90	2.74	2.57	2.49	3.58	3.21	2.92	2.88
EOM	3.60	3.09	3.12	3.06	2.79	2.74	2.39	3.03	3.56	2.86	3.11	2.68
MAX	---	3.52	3.21	3.19	3.02	2.90	2.98	3.04	3.95	5.62	3.20	3.37



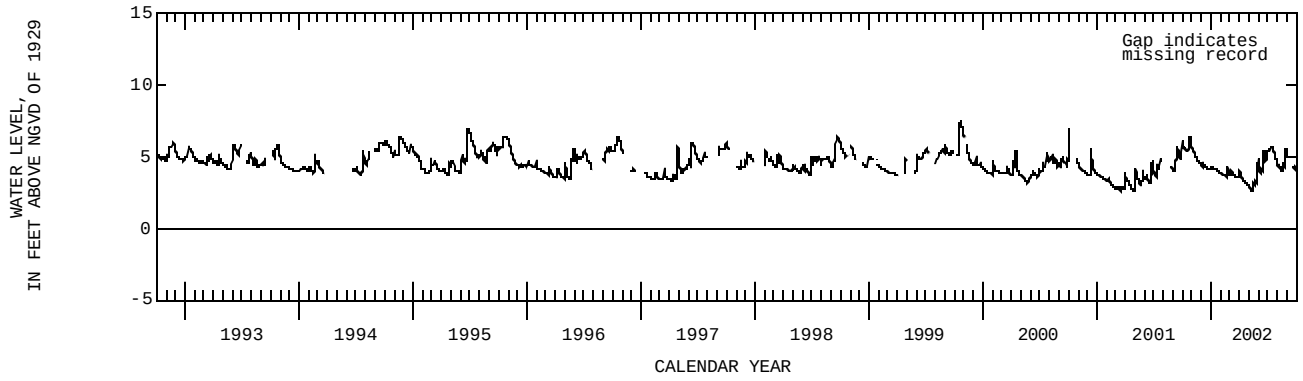
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254421080260201. Local Number G 3439. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'21", long 80°26'02", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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. (Corrected).
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, 2.72 ft above land-surface datum. Prior to March 14, 2002, the measuring point was 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, 7.44 ft NGVD, Oct. 16, 1999 (Corrected); lowest, 2.15 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.63	5.38	4.28	4.24	3.79	3.71	3.73	2.82	3.95	5.53	4.27	---
10	5.52	5.01	4.38	4.16	3.70	3.85	3.50	2.66	4.10	5.62	4.24	---
15	5.27	4.79	4.24	4.12	3.66	3.66	3.34	2.78	5.34	5.64	3.95	---
20	5.66	4.67	4.17	4.05	3.59	3.60	3.26	3.27	5.01	5.34	4.54	4.32
25	6.38	4.56	4.13	3.95	3.88	3.59	3.17	3.23	4.73	5.01	4.43	4.28
EOM	5.67	4.41	4.30	3.85	3.73	3.57	2.99	4.89	4.91	4.54	5.21	4.21
MAX	6.42	5.58	4.50	4.34	4.24	4.05	3.99	4.89	5.45	5.71	5.52	---



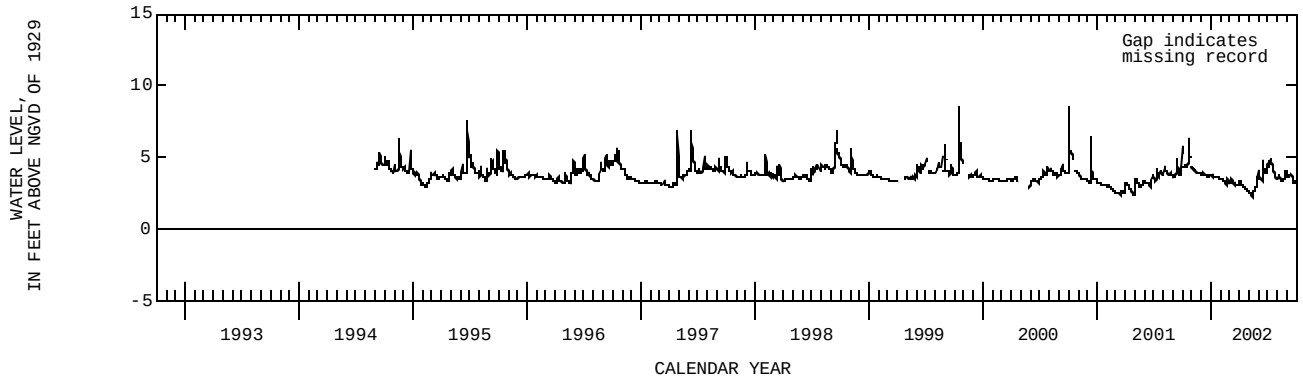
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254432080240401. Local Number G 3572. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'32", long 80°24'04", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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, 2.20 ft NGVD, May 14, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.31	4.26	3.75	3.71	3.44	3.17	3.24	2.52	3.50	4.68	3.71	3.58
10	4.47	3.97	3.71	3.67	3.37	3.30	3.01	2.35	3.41	4.91	3.56	3.80
15	4.16	3.86	3.73	3.61	3.24	3.13	2.95	2.34	4.73	4.48	3.39	3.84
20	4.50	3.92	3.67	3.60	3.06	3.17	2.89	2.87	4.01	4.11	3.55	3.31
25	5.05	3.87	3.73	3.55	3.13	3.12	2.79	2.94	3.80	3.69	3.55	3.30
EOM	4.27	3.83	3.81	3.49	3.24	3.12	2.67	3.99	3.94	3.37	3.92	3.25
MAX	---	4.26	3.91	3.83	3.47	3.55	3.34	3.99	4.73	4.91	4.11	3.84



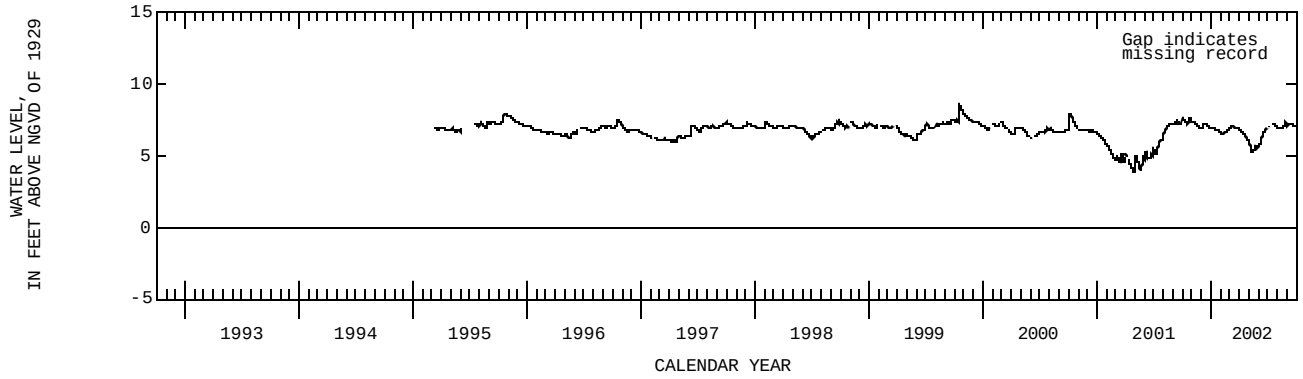
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254442080305201. Local Number G 3576. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'44", long 80°30'50", NE $^{1}/_{4}$ 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. (Corrected).
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.44	7.34	6.98	6.95	6.57	6.90	6.84	5.74	5.85	---	6.94	7.17
10	7.38	7.29	7.24	6.91	6.58	7.05	6.67	5.34	6.24	---	6.96	7.26
15	7.27	7.18	7.22	6.84	6.62	7.00	6.54	5.45	6.62	---	6.93	7.24
20	7.47	7.10	7.08	6.79	6.65	6.93	6.37	5.66	6.74	7.26	6.99	7.14
25	7.66	6.97	6.98	6.75	6.84	6.90	6.20	5.50	6.85	7.10	7.16	7.12
EOM	7.42	6.91	6.96	6.60	6.86	6.87	6.00	5.71	---	6.95	7.18	7.11
MAX	7.66	7.39	7.25	6.96	6.86	7.05	6.85	---	---	---	7.31	7.27



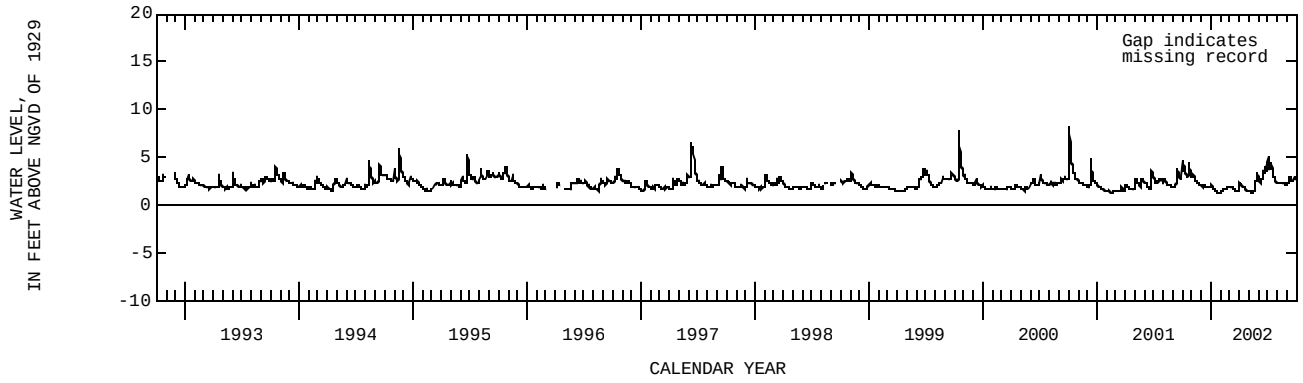
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ 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. Prior to December 1982, measuring point was the top of casing, 2.40 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.--January 1939 to current year.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.14	3.20	1.97	1.86	1.50	1.82	2.04	1.46	2.49	4.12	2.26	2.45
10	3.52	2.74	2.07	1.68	1.70	1.85	1.97	1.35	2.25	4.39	2.37	2.94
15	2.89	2.48	1.93	1.54	1.61	1.65	1.86	1.36	3.48	3.74	2.30	2.61
20	3.04	2.41	1.85	1.43	1.63	1.50	1.67	2.11	3.36	2.99	2.40	2.45
25	3.67	2.18	1.89	1.35	1.86	1.53	1.55	2.44	3.54	2.51	2.12	2.81
EOM	3.02	2.03	1.96	1.36	1.87	1.57	1.56	2.98	3.41	2.29	2.17	2.64
MAX	4.49	3.20	2.17	2.01	1.89	1.91	2.22	3.38	4.11	4.98	2.40	2.94



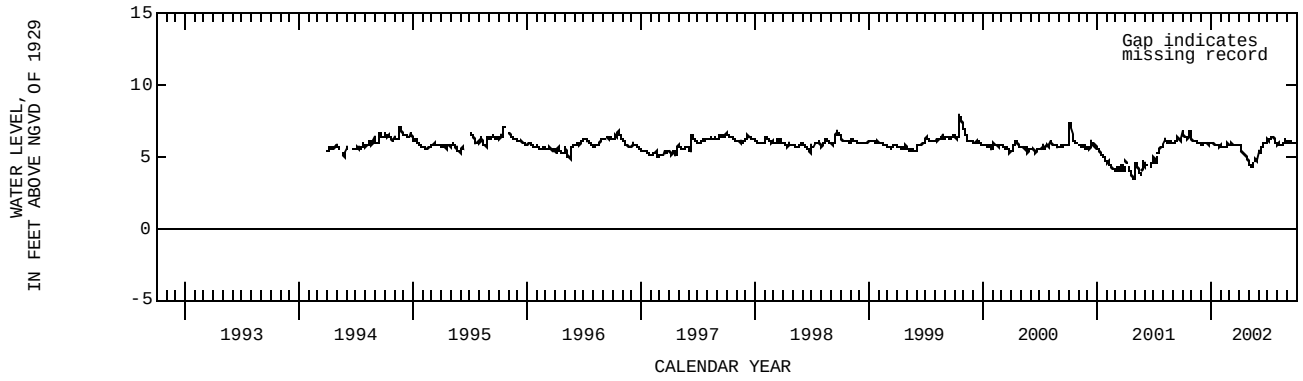
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254445080295001. Local Number G 3559. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'45", long 80°29'50", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.45	6.13	5.85	5.93	5.73	5.78	5.77	4.42	5.32	6.04	5.90	6.04
10	6.38	6.06	5.99	5.89	5.72	5.87	5.30	4.29	5.65	6.32	5.87	6.10
15	6.25	6.05	5.91	5.85	5.72	5.80	5.26	4.62	6.02	6.41	5.81	5.99
20	6.47	6.01	5.91	5.76	5.71	5.81	5.08	4.85	5.97	6.36	5.90	5.99
25	6.75	5.94	5.88	5.74	5.88	5.81	4.90	4.74	5.97	6.04	5.92	5.97
EOM	6.18	5.90	5.99	5.69	5.80	5.74	4.62	5.25	6.05	5.91	6.01	5.99
MAX	6.82	6.14	6.00	6.02	5.93	5.92	5.84	---	6.05	6.44	6.25	6.10



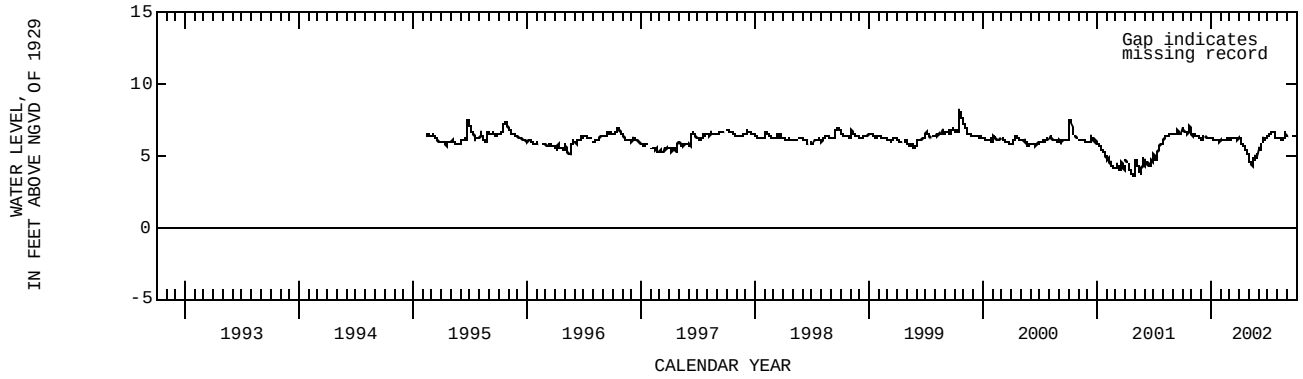
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254446080295501. Local Number G 3574. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'46", long 80°29'55", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.75	6.51	6.13	6.17	6.04	6.14	6.11	4.58	5.44	6.29	6.22	6.36
10	6.68	6.45	---	6.14	6.03	6.25	5.76	4.42	---	6.61	6.20	6.44
15	6.56	6.37	6.27	6.10	6.04	6.19	5.73	4.79	6.19	6.67	6.14	---
20	6.76	6.31	6.24	6.09	6.05	6.20	5.47	4.97	6.20	6.65	6.24	6.34
25	6.98	6.27	6.15	6.07	6.23	6.19	5.31	4.84	6.23	6.33	6.29	6.33
EOM	6.46	6.18	6.24	6.02	6.15	6.11	5.00	5.35	6.27	6.20	6.36	6.33
MAX	7.03	6.51	---	6.26	6.26	6.27	6.18	---	---	6.69	6.61	---



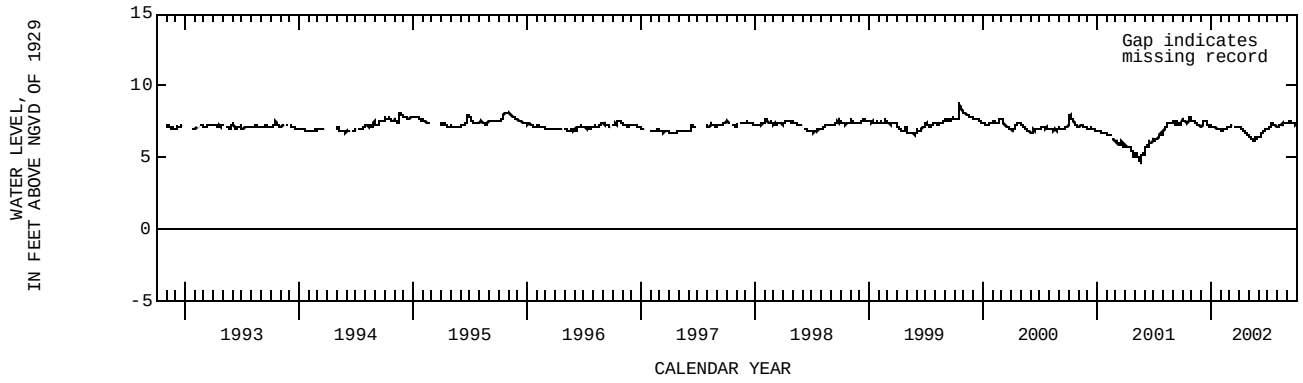
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254500080360001. Local Number G 618. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°45'40", long 80°36'00", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.57	7.55	7.46	7.13	6.86	7.19	7.01	6.42	6.39	7.04	7.18	7.43
10	7.50	7.45	7.58	7.11	6.94	7.25	6.92	6.32	6.62	7.22	7.22	7.48
15	7.40	7.36	7.49	7.06	6.97	---	6.84	6.26	6.89	7.32	7.32	7.48
20	7.55	7.27	7.24	7.02	7.00	7.11	6.70	6.41	6.90	7.33	7.36	7.36
25	7.79	7.20	7.17	6.97	7.12	7.07	6.61	6.33	7.02	7.24	7.45	7.36
EOM	7.59	7.13	7.20	6.91	7.17	7.05	6.52	6.40	7.00	7.11	7.38	7.34
MAX	7.80	7.56	7.58	7.21	7.17	---	7.09	6.50	7.05	7.36	7.47	7.55



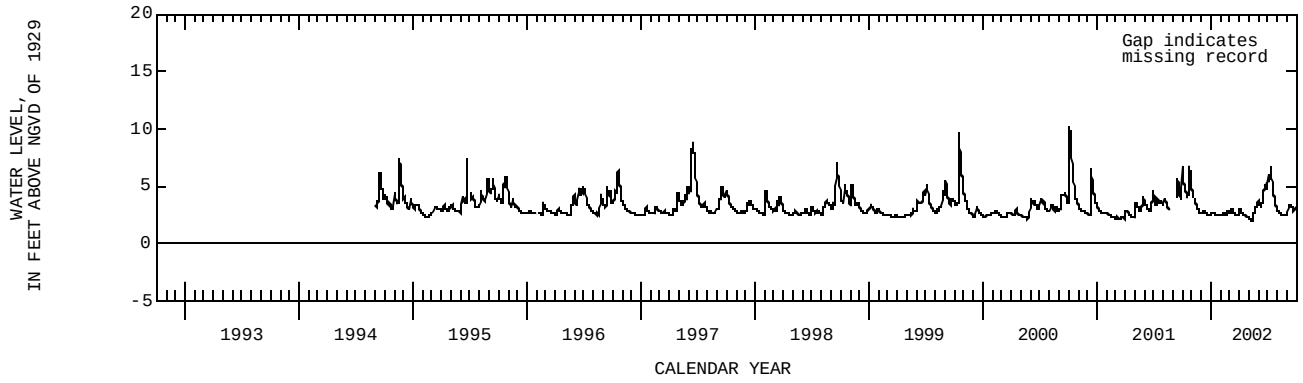
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254536080172601. Local Number G 3570. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°45'36", long 80°17'26", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ 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, 1.94 ft NGVD, May 14, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.26	4.09	2.57	2.71	2.50	2.60	2.99	2.15	3.40	5.42	2.72	3.03
10	4.74	3.71	2.83	2.59	2.63	2.94	2.67	2.02	3.10	6.63	2.72	3.27
15	4.00	3.25	2.62	2.54	2.59	2.64	2.53	2.02	4.37	5.27	2.55	3.30
20	4.43	2.93	2.50	2.50	2.38	2.55	2.44	2.83	4.81	4.21	2.48	2.89
25	6.27	2.70	2.54	2.44	2.80	2.43	2.36	3.23	4.73	3.50	2.41	3.02
EOM	4.73	2.57	2.66	2.42	2.70	2.40	2.25	3.63	4.54	2.94	2.50	---
MAX	6.73	---	2.84	2.74	2.81	2.95	3.03	3.63	5.30	6.63	2.89	---



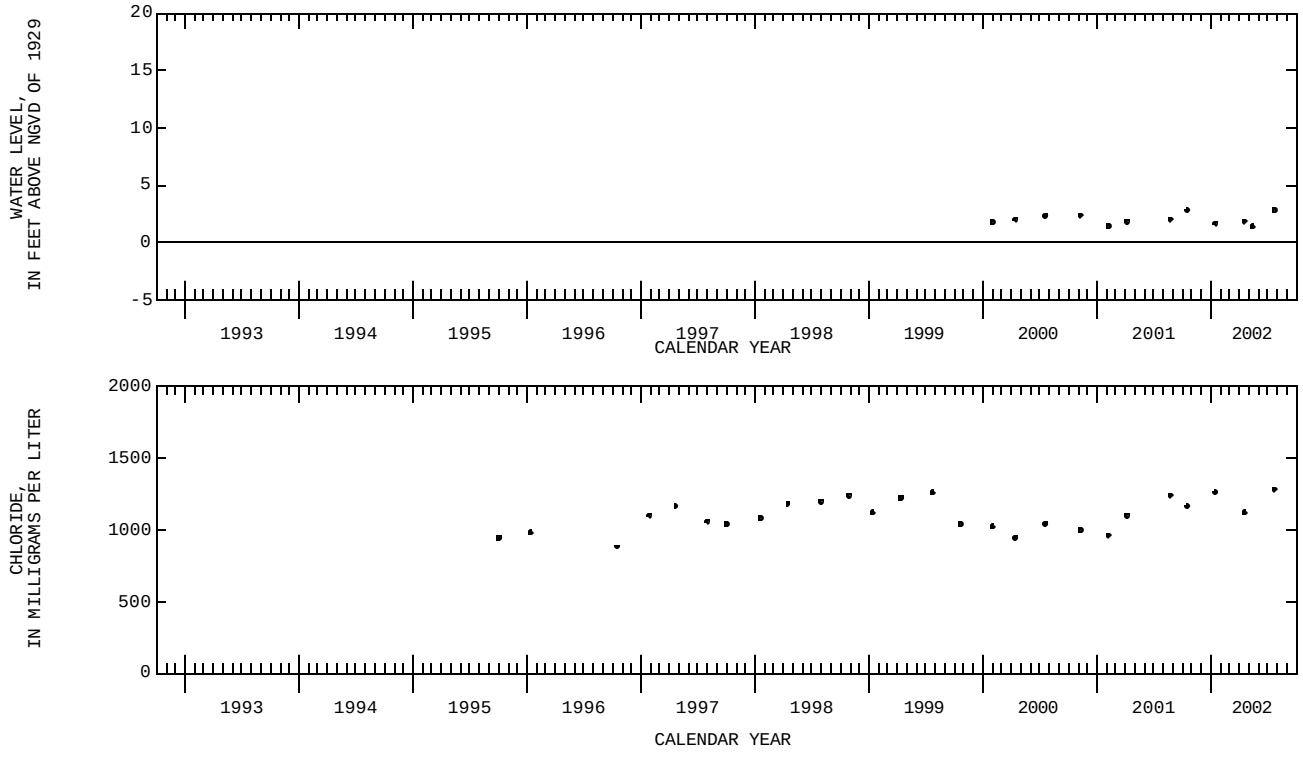
MIAMI-DADE COUNTY--Continued

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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 2.82 ft NGVD, July 22, 2002; lowest, 1.39 ft NGVD, May 13, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
17...	0957	3770	1160	2.78
JAN				
15...	1406	3870	1260	1.64
APR				
16...	1330	4340	1120	1.85
MAY				
13...	1356	--	--	1.39
JUL				
22...	1025	4340	1280	2.82



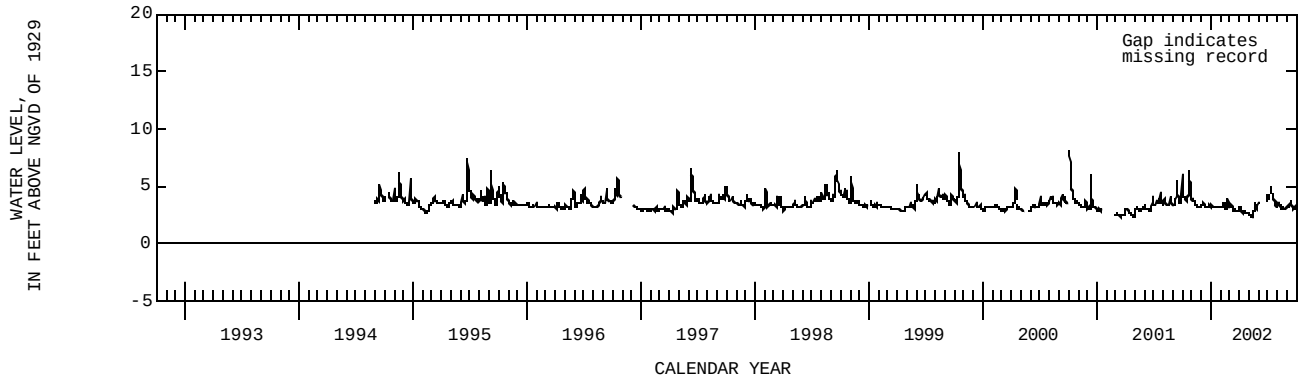
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254657080214401. Local Number G 3568. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°46'57", long 80°21'44", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ sec.32, T.53 S., R.40 E., Hydrologic Unit 03090202, 10 ft south of edge of NW 12th Street and 1,742 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 ft.
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, 2.17 ft NGVD, May 14, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.06	3.79	3.23	3.22	3.22	2.93	2.94	2.44	---	4.00	3.38	3.13
10	3.85	3.40	3.32	3.19	3.59	3.15	2.73	2.28	---	4.61	3.35	3.37
15	3.75	3.26	3.20	3.14	3.14	2.90	2.85	2.34	---	---	3.07	3.48
20	4.22	3.21	3.17	3.25	2.89	3.02	2.76	3.06	---	3.89	3.00	3.02
25	5.24	3.16	3.37	3.22	3.24	2.89	2.70	3.02	---	3.39	2.96	3.21
EOM	3.79	3.31	3.42	3.18	3.12	2.92	2.57	3.52	3.57	3.06	3.15	2.96
MAX	6.26	3.79	3.61	3.42	3.79	3.37	3.25	3.52	---	---	3.53	3.66



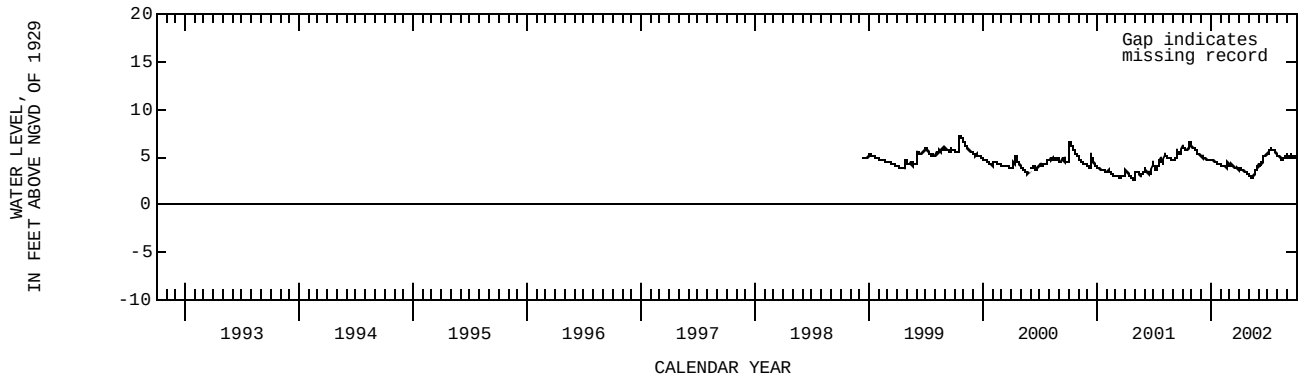
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254720080253002. Local Number G 3676. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°47'20", long 80°25'30", in NW 1/4 NW 1/4 SW 1/4 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.87	5.91	4.91	4.62	4.09	3.95	3.84	3.00	4.02	5.69	5.08	5.20
10	5.79	5.74	4.93	4.58	4.16	4.09	3.66	2.82	4.42	5.79	4.97	5.14
15	5.65	5.55	4.79	4.52	4.02	3.94	3.56	2.74	4.99	5.81	4.79	5.22
20	5.92	5.40	4.67	4.41	3.88	3.86	3.47	3.64	5.13	5.72	4.95	5.02
25	6.55	5.24	4.63	4.28	4.14	3.76	3.32	3.57	5.06	5.52	4.73	5.01
EOM	6.10	5.06	4.73	4.15	4.04	3.71	3.17	4.22	5.21	5.23	5.20	5.02
MAX	6.55	6.04	5.04	4.73	4.39	4.19	3.92	4.22	5.40	5.86	5.22	5.25



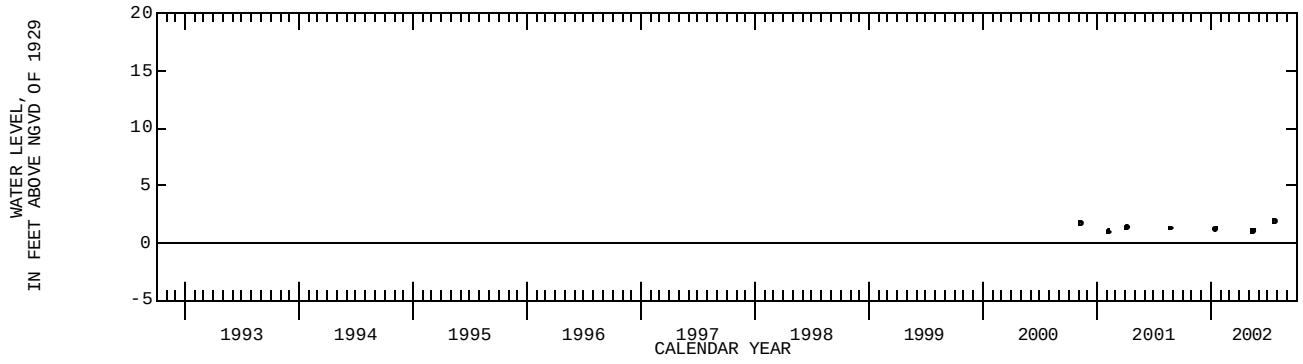
MIAMI-DADE COUNTY--Continued

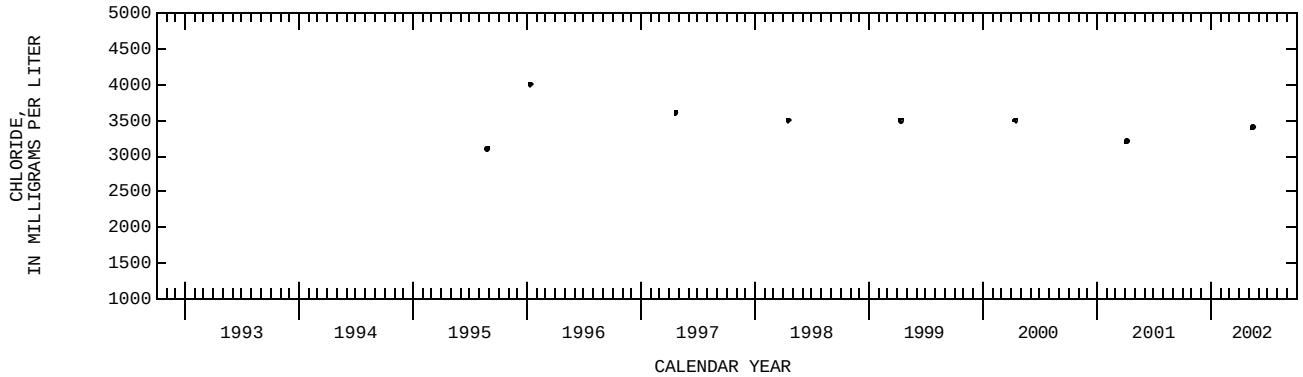
WELL NUMBER.--254722080152201. Local Number G 3604. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°47'22", long 80°15'22", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998 and 2000) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 1.89 ft NGVD, July 22, 2002; lowest, 0.96 ft NGVD, Feb. 5, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
JAN				
15...	1432	--	--	1.22
MAY				
14...	1025	10200	3400	1.05
JUL				
22...	1010	--	--	1.89

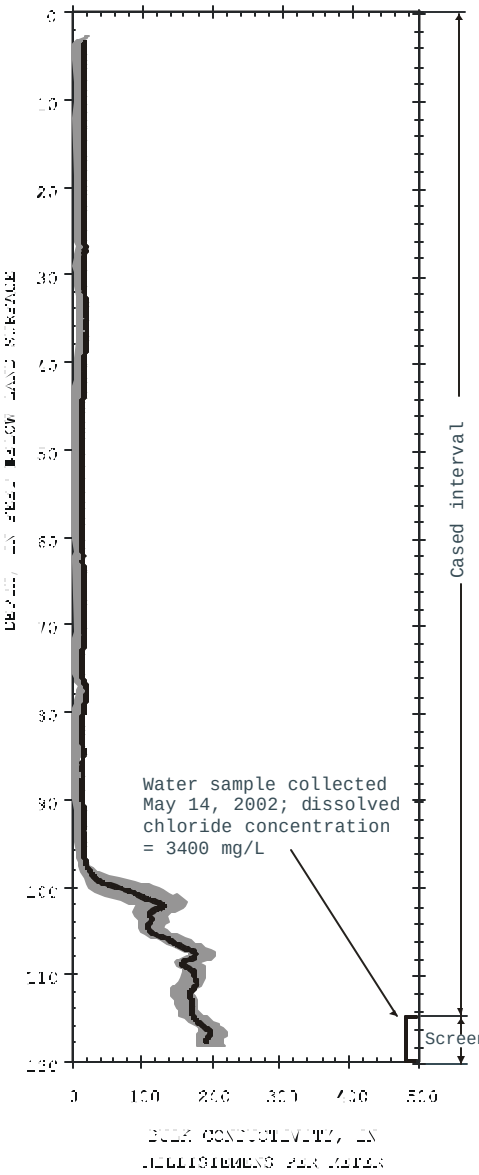




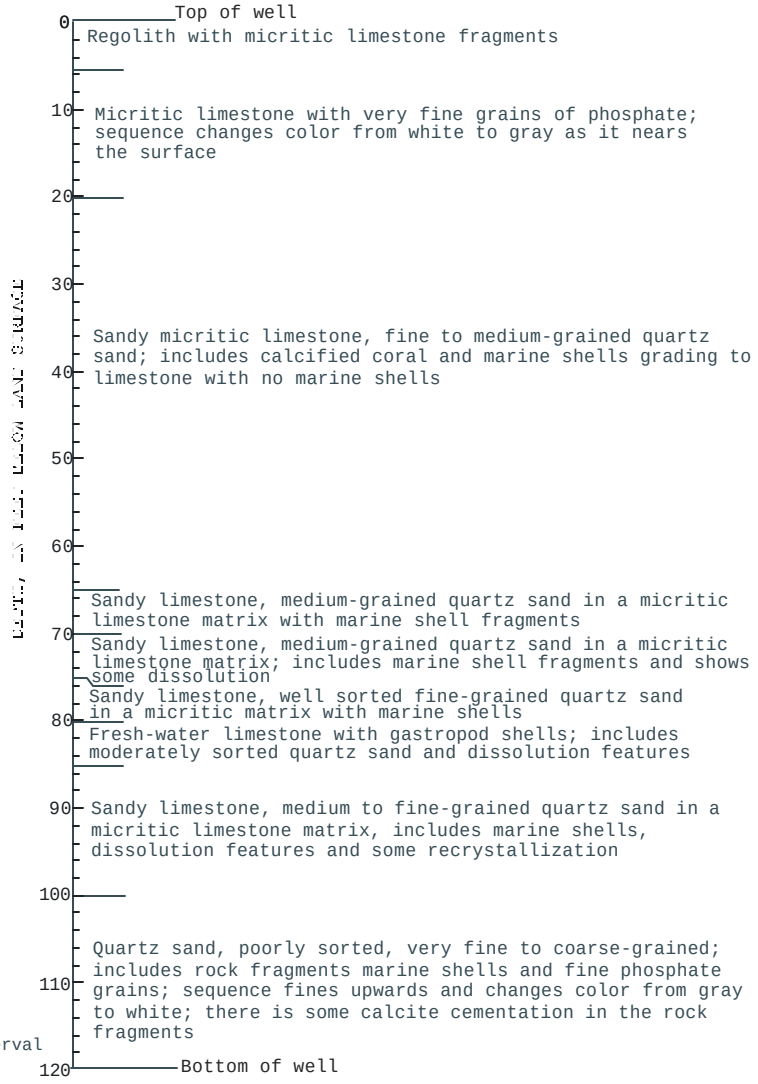
WELL NUMBER.--254722080152201. Local Number G 3604. USGS Observation Well near Miami, FL.

254722080152201 G-3604

BULK CONDUCTIVITY



LITHOLOGIC LOG



EXPLANATION

Bulk conductivity, in millisiemens per meter, May 14, 2002

Shaded area represents range in bulk conductivity logs collected annually from May 13, 1996 to April 6, 2001.

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

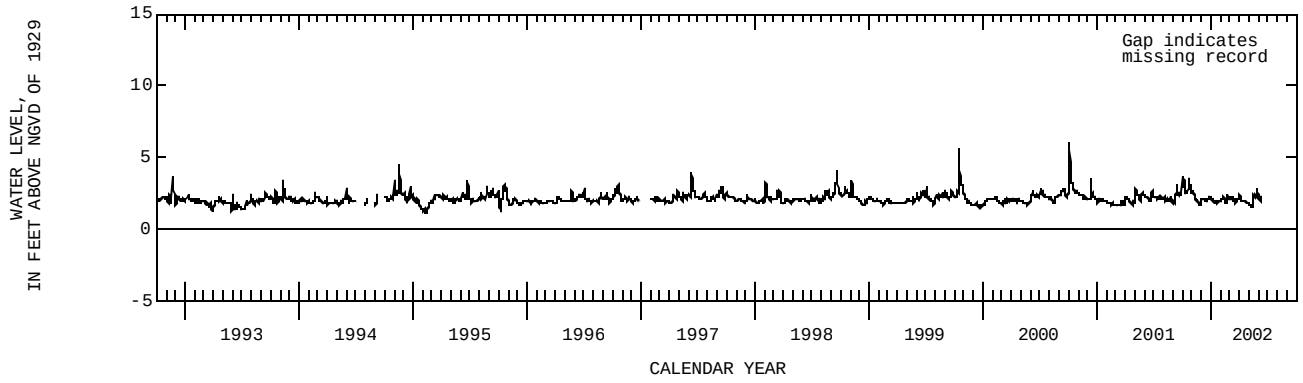
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ 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.
REMARKS.--Well discontinued June 11, 2002, because of the construction of a road and toll plaza.
PERIOD OF RECORD.--January 1984 to current year. Discontinued.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.52	2.61	1.90	2.01	2.07	1.98	2.01	1.64	2.08	---	---	---
10	2.44	2.14	1.97	1.95	2.17	2.21	1.91	1.52	2.17	---	---	---
15	2.56	1.91	1.96	1.82	1.92	1.99	2.02	1.48	---	---	---	---
20	2.69	1.81	2.02	1.93	1.93	2.01	1.93	2.40	---	---	---	---
25	3.13	1.65	2.03	1.97	2.01	1.99	1.87	2.28	---	---	---	---
EOM	2.54	1.99	2.19	1.91	2.29	2.09	1.81	2.40	---	---	---	---
MAX	3.52	2.61	2.19	2.18	2.31	2.29	2.39	2.77	---	---	---	---



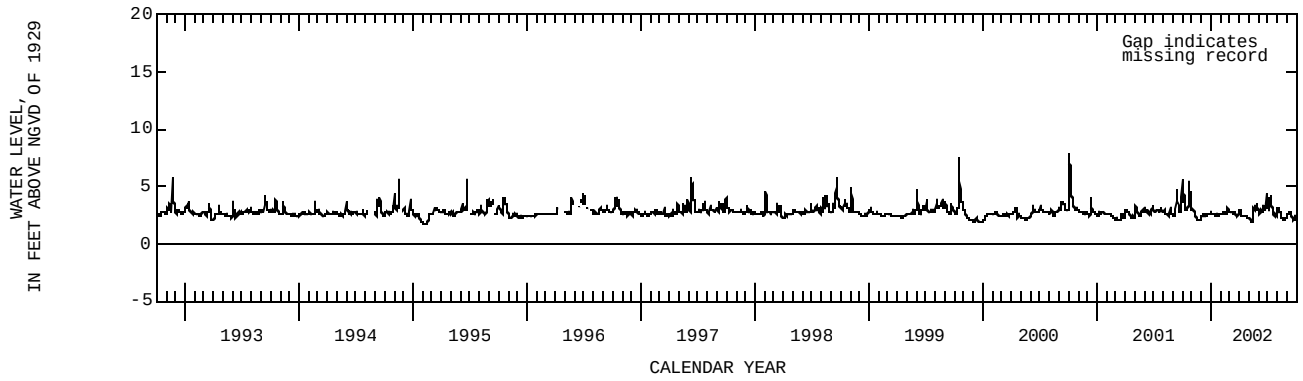
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.33	2.98	2.32	2.58	2.66	2.55	2.64	2.15	2.66	2.83	2.83	2.72
10	3.06	2.54	2.47	2.58	2.78	2.76	2.43	2.01	2.66	4.10	2.74	2.76
15	2.98	2.21	2.38	2.44	2.66	2.58	2.48	2.15	3.34	3.05	2.32	2.45
20	3.50	2.11	2.48	2.51	2.51	2.67	2.43	3.27	2.90	2.55	2.08	2.21
25	4.57	2.00	2.54	2.48	2.81	2.38	2.30	2.88	2.73	2.62	2.07	2.24
EOM	3.02	2.33	2.71	2.54	2.76	2.58	2.25	3.02	2.98	2.39	2.20	2.03
MAX	5.34	2.98	2.71	2.71	3.06	2.85	2.88	3.40	4.42	4.21	3.18	2.78



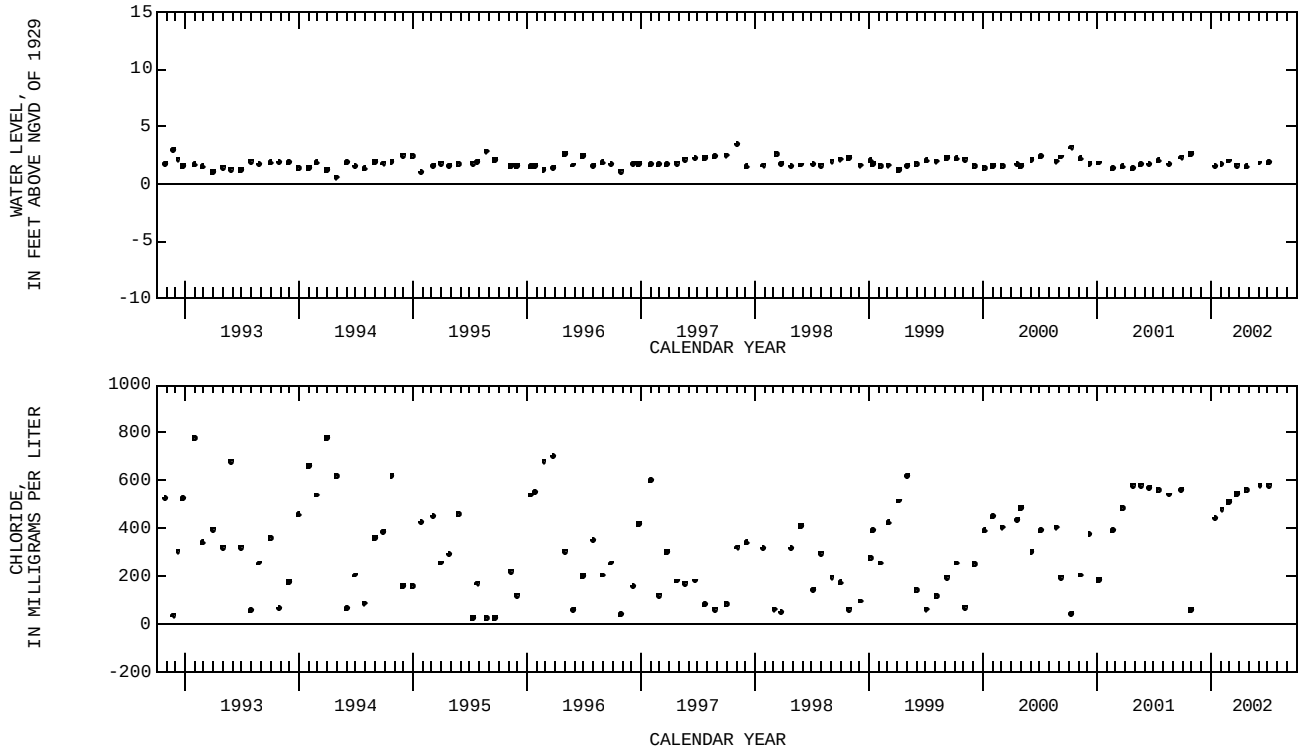
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254813080161501. Local Number G 1351. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°48'13", long 80°16'15", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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. (Corrected).
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
28...	0902	358	58.0	2.58	23...	1105	2240	560	1.49
JAN					JUN				
14...	1308	1920	440	1.47	06...	1041	2030	580	1.81
FEB					JUL				
04...	1115	1940	480	1.67	05...	0948	2290	580	1.83
27...	1451	1980	510	1.98					
MAR									
25...	0958	1990	545	1.62					



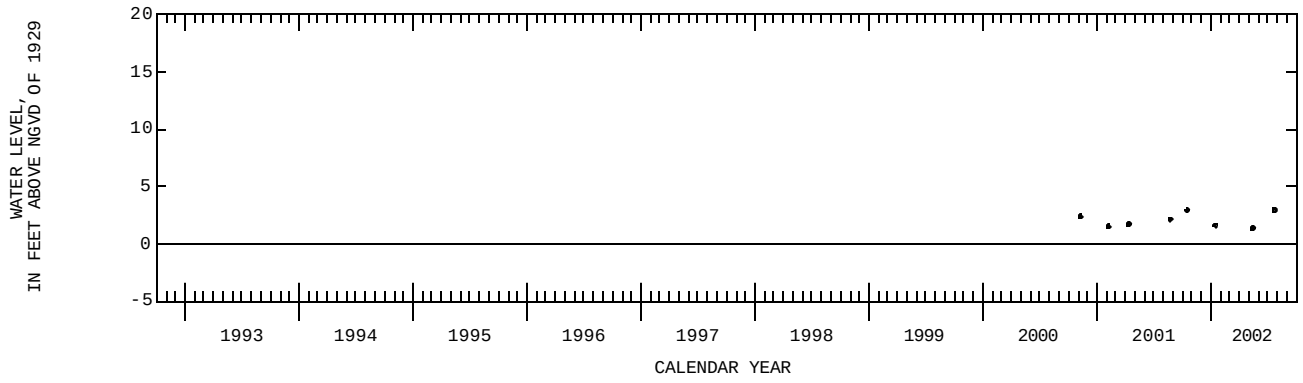
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254822080125501. Local Number G 3704. USGS Observation Well in Miami, FL.

LOCATION.--Lat 25°48'22", long 80°12'55", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 2.94 ft NGVD, July 22, 2002; lowest, 1.34 ft NGVD, May 14, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

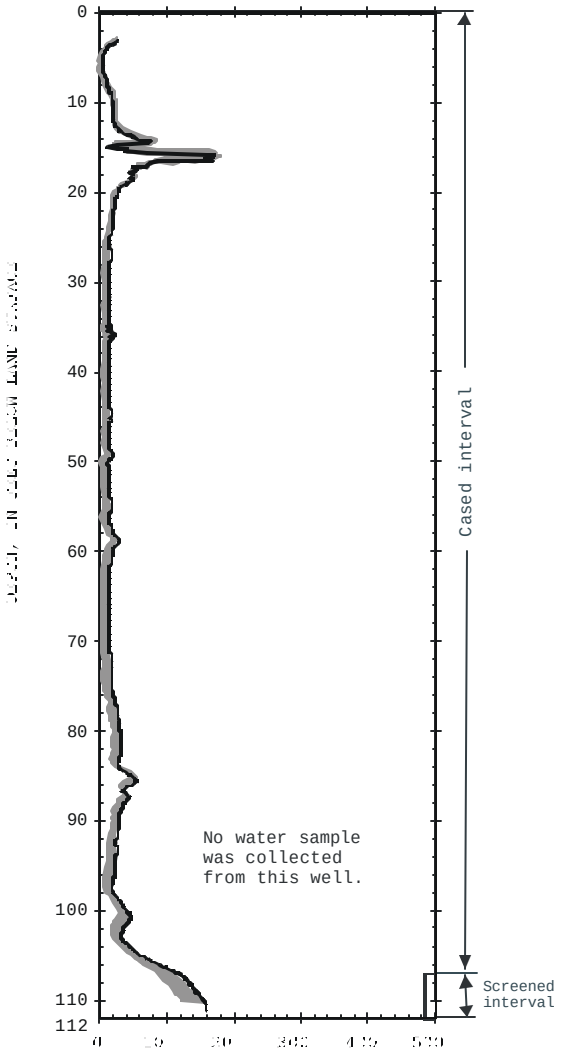
Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
17...	1033	2.91	14...	0838	1.34
JAN			JUL		
15...	1500	1.62	22...	0940	2.94



WELL NUMBER.--254822080125501. Local Number G 3704. USGS Observation Well in Miami, FL.

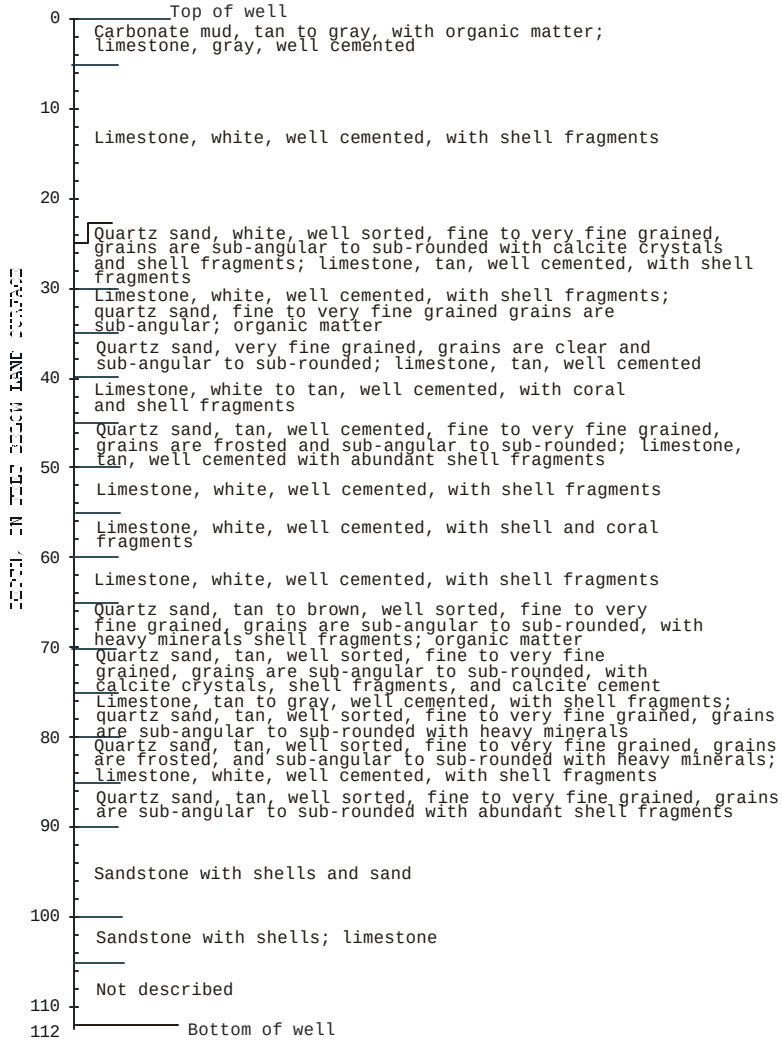
254822080125501 G-3704

BULK CONDUCTIVITY



BULK CONDUCTIVITY,
IN MILLISIEMENS PER METER

LITHOLOGIC LOG



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

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 17, 2002

Shaded line represents bulk conductivity in millisiemens per meter, April 18, 2000, to April 11, 2001 .

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

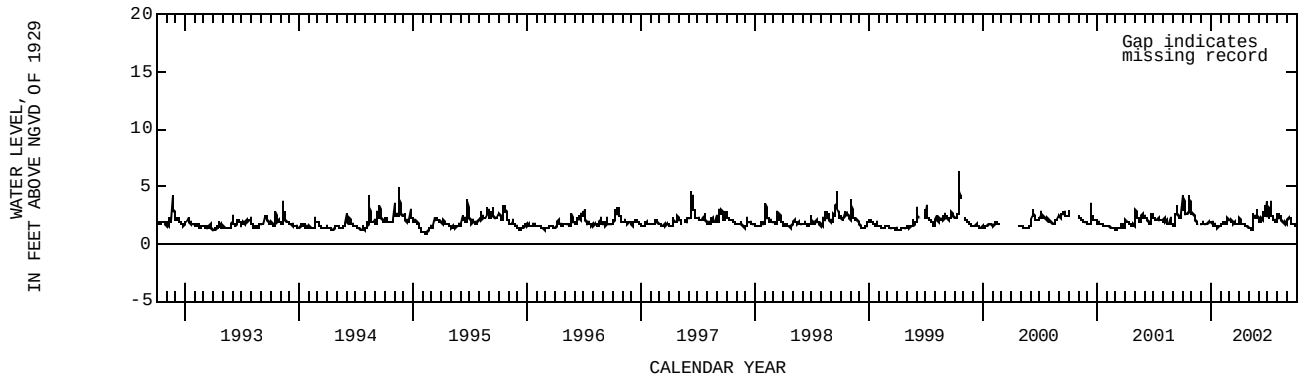
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.03	2.63	1.59	1.76	1.74	1.74	1.88	1.33	1.97	2.23	2.09	2.16
10	2.49	2.11	1.71	1.63	1.95	1.97	1.72	1.25	2.11	3.57	2.38	2.19
15	2.49	1.85	1.67	1.52	1.74	1.82	1.68	1.44	2.76	2.34	2.06	1.84
20	2.70	1.69	1.75	1.57	1.73	1.77	1.52	2.38	2.77	2.02	1.89	1.69
25	3.62	---	1.80	1.58	1.91	1.66	1.48	2.20	2.31	2.00	1.71	1.62
EOM	2.62	1.62	1.96	1.58	2.01	1.81	1.44	2.33	2.30	1.91	1.79	1.55
MAX	4.14	---	1.96	1.96	2.18	2.07	2.24	2.97	3.71	3.57	2.65	2.21



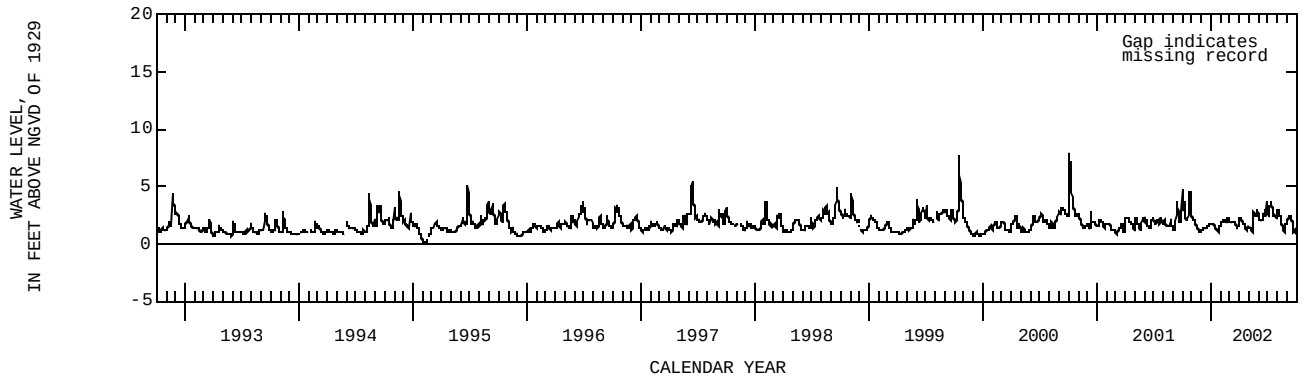
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.60	2.13	1.14	1.79	1.83	1.78	2.24	1.38	2.08	2.46	2.65	2.31
10	2.47	1.85	1.40	1.63	2.00	1.97	1.91	1.21	1.94	3.53	2.43	2.34
15	1.93	1.45	1.37	1.31	1.89	1.91	1.69	1.42	2.60	3.05	1.71	2.15
20	2.62	1.23	1.41	1.15	1.86	1.84	1.59	2.59	2.45	2.50	1.21	1.32
25	4.55	1.07	1.63	1.21	2.25	1.26	1.37	2.45	2.33	2.34	1.46	1.26
EOM	2.47	1.12	1.76	1.68	1.97	1.81	1.47	2.63	2.67	2.09	1.80	0.92
MAX	4.55	2.33	1.76	1.80	2.25	1.97	2.30	---	3.66	3.72	2.93	2.41



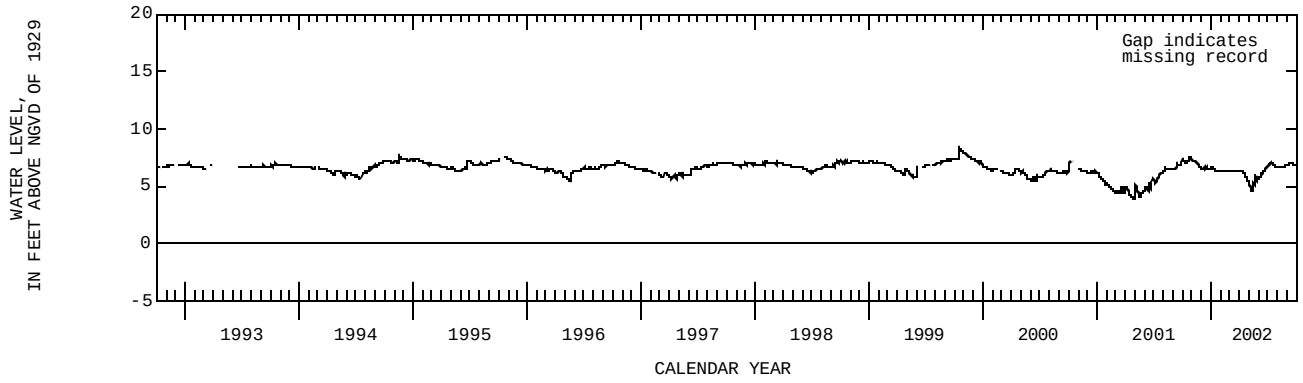
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254830080284201. Local Number G 1488. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°49'07", long 80°28'57", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.15	7.20	6.46	6.61	6.26	6.29	6.25	4.94	5.71	6.76	6.61	6.93
10	7.11	7.14	6.59	6.43	6.24	6.37	6.24	4.69	6.06	6.92	6.66	6.93
15	7.15	7.03	6.65	6.36	6.23	6.26	6.17	5.14	6.35	6.96	6.65	7.00
20	7.25	6.92	6.68	6.34	6.21	6.25	5.97	5.92	6.36	6.92	6.62	6.90
25	7.54	6.69	6.45	6.29	6.31	6.24	5.66	5.52	6.53	6.81	6.69	6.88
EOM	7.29	6.55	6.54	6.28	6.31	6.21	5.34	5.70	6.62	6.64	6.85	6.85
MAX	7.54	7.21	6.69	6.63	6.32	6.39	6.28	5.92	6.68	7.04	6.89	7.02



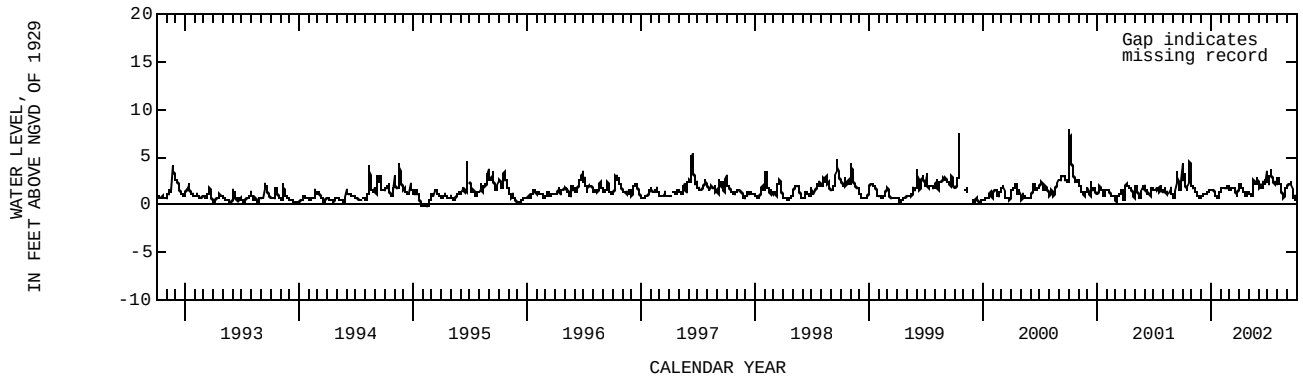
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.33	1.77	0.83	1.59	1.74	1.50	2.04	1.14	1.83	2.07	2.44	2.21
10	2.08	1.50	1.11	1.41	1.84	1.83	1.70	0.95	1.66	3.33	2.23	2.23
15	1.49	1.12	1.20	0.90	1.64	1.70	1.42	1.19	2.29	2.90	1.35	2.01
20	2.35	0.87	1.31	0.77	1.60	1.43	1.30	2.23	2.08	2.40	0.81	0.85
25	4.38	0.70	1.50	0.97	1.92	0.78	1.20	2.26	1.96	2.29	1.39	0.79
EOM	2.07	0.82	1.63	1.57	1.67	1.73	1.31	2.38	2.33	1.99	1.70	0.44
MAX	4.44	1.93	1.63	1.66	2.03	1.83	2.18	2.81	3.45	3.57	2.85	2.29



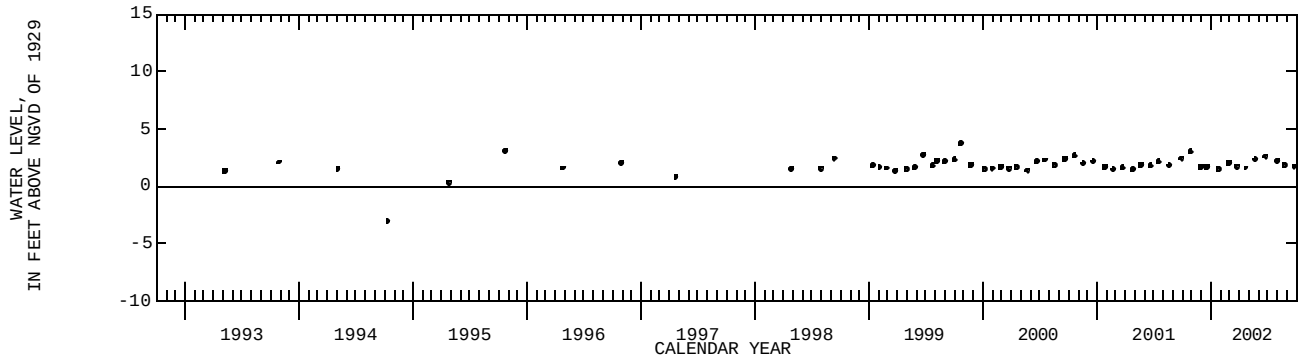
MIAMI-DADE COUNTY--Continued

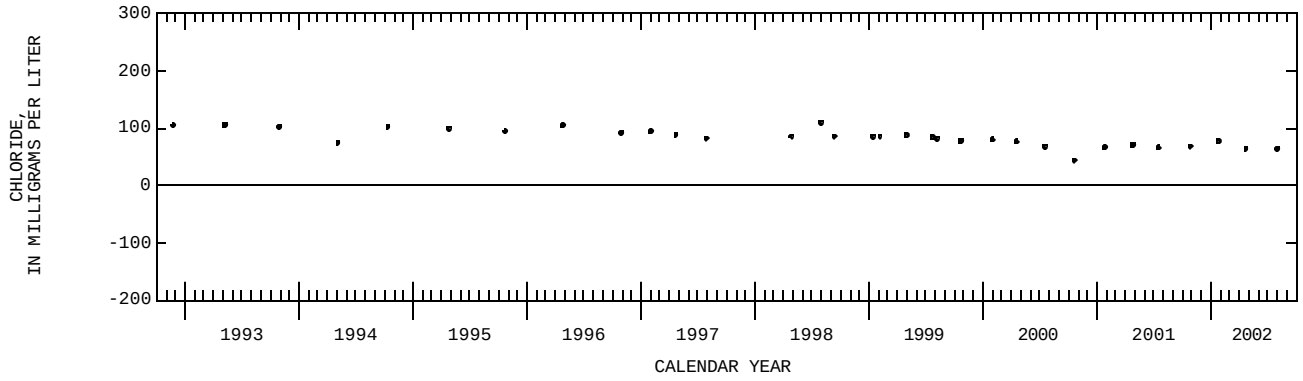
WELL NUMBER.--254833080155801. Local Number G 1354. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'33", long 80°15'58", SW 1/4 SE 1/4 SE 1/4 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 U.S. 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
26...	0917	621	68.0	3.02
NOV				
29...	0921	--	--	1.68
DEC				
18...	1035	--	--	1.64
JAN				
24...	1101	582	78.0	1.51
FEB				
26...	1400	--	--	2.03
MAR				
25...	0902	--	--	1.70
APR				
22...	0830	556	64.0	1.58
MAY				
23...	1018	--	--	2.31
JUN				
24...	1052	--	--	2.61
AUG				
02...	1105	582	64.0	2.18
23...	1028	--	--	1.85
SEP				
23...	1043	--	--	1.71





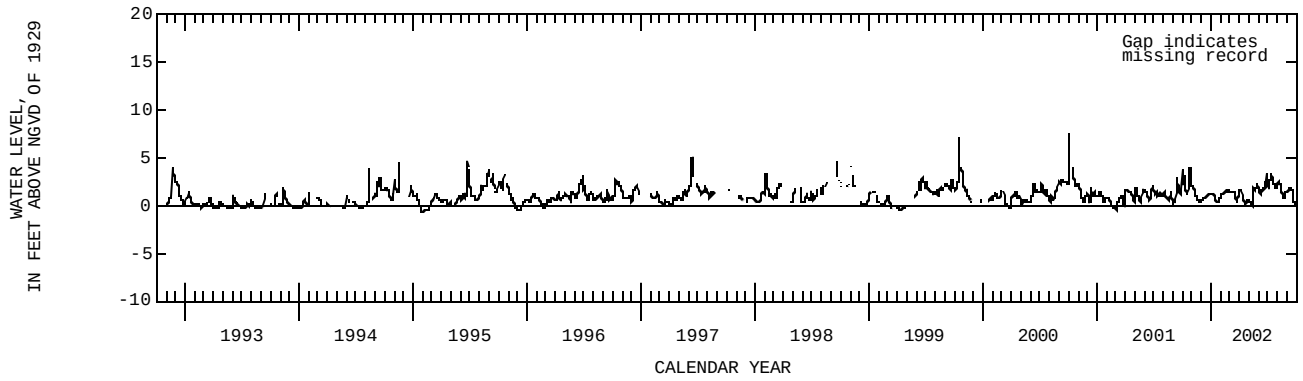
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.10	1.78	0.57	1.26	1.15	1.32	1.58	0.34	1.33	1.86	2.37	1.84
10	1.71	1.30	0.79	1.08	1.30	1.50	1.02	0.14	1.51	3.31	2.21	1.85
15	1.24	0.84	0.90	0.50	1.30	1.34	0.50	-0.09	1.65	2.81	1.43	1.77
20	1.63	0.62	1.07	0.38	1.33	0.99	0.31	1.63	1.84	2.27	0.84	0.74
25	4.00	0.35	1.15	0.41	1.61	0.22	0.51	1.78	1.87	1.90	1.15	0.33
EOM	2.09	0.51	1.23	1.03	1.48	1.23	0.66	1.87	2.19	1.75	1.50	0.20
MAX	4.00	2.02	1.23	1.30	1.61	1.50	1.68	2.25	3.20	3.36	2.52	1.90



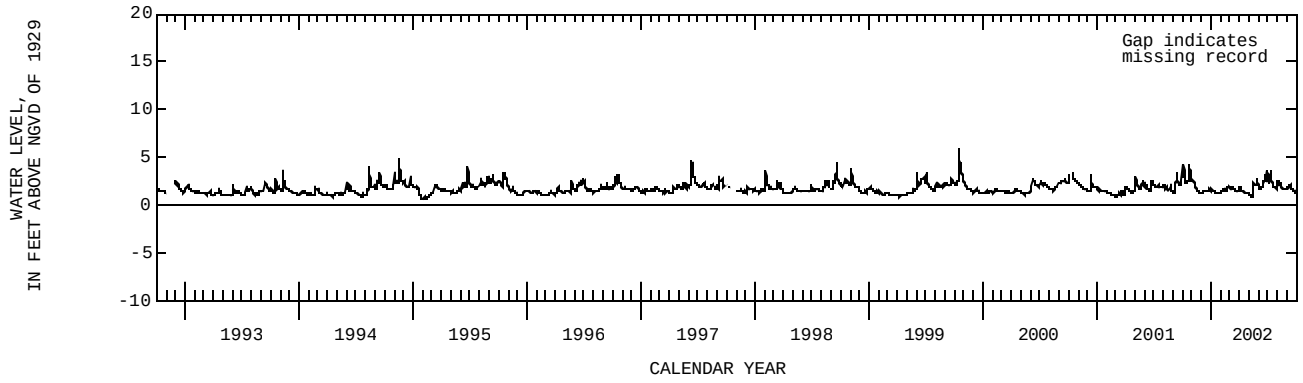
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ 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, 4.09 ft above land-surface datum. Prior to March 26, 2002, top of shelf was 3.01 ft above land-surface datum.
REMARKS.--The well was reconstructed March 26, 2002.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.19	2.48	1.32	1.51	1.45	1.56	1.72	1.06	1.76	2.18	2.04	2.00
10	2.40	1.95	1.46	1.41	1.68	1.81	1.54	0.93	1.89	3.58	2.22	1.99
15	2.33	1.64	1.45	1.27	1.55	1.60	1.39	1.05	2.57	2.40	1.82	1.74
20	2.49	1.50	1.50	1.29	1.51	1.54	1.25	2.21	2.65	2.00	1.70	1.46
25	3.63	1.27	1.56	1.28	1.76	1.37	1.19	2.02	2.26	1.88	1.60	1.41
EOM	2.52	1.34	1.68	1.35	1.84	1.51	1.17	2.13	2.29	1.81	1.66	1.32
MAX	4.19	2.48	1.68	1.68	1.93	1.89	1.99	2.68	3.61	3.58	2.58	2.07



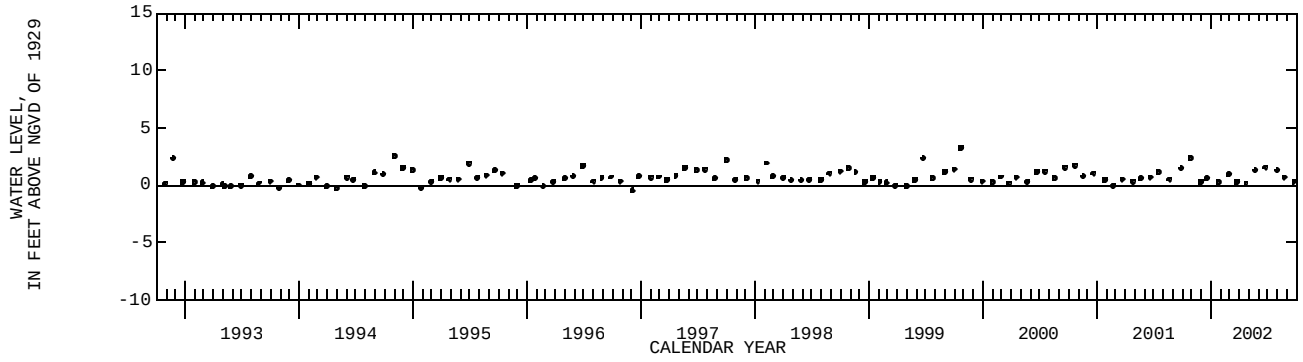
MIAMI-DADE COUNTY--Continued

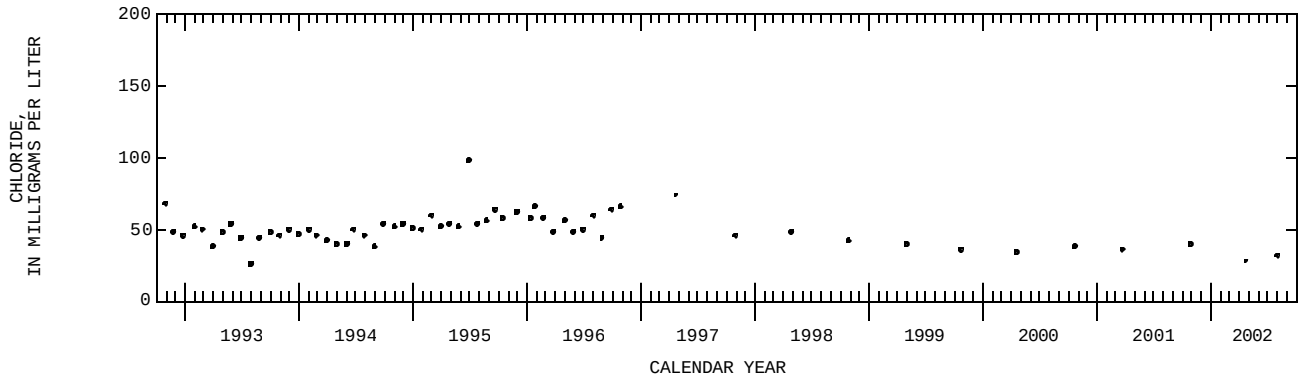
WELL NUMBER.--254841080164401. Local Number G 571. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'41", long 80°16'44", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002

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...	1053	522	40.0	2.34	22...	1010	478	28.0	.16
NOV					MAY				
29...	1000	--	--	.30	23...	0945	--	--	1.26
DEC					JUN				
18...	1115	--	--	.55	24...	1009	--	--	1.53
JAN					AUG				
24...	1159	--	--	.26	02...	0942	488	32.0	1.28
FEB					23...	1002	--	--	.65
26...	1503	--	--	.89	SEP				
MAR					23...	1008	--	--	.24
25...	1010	--	--	.30					





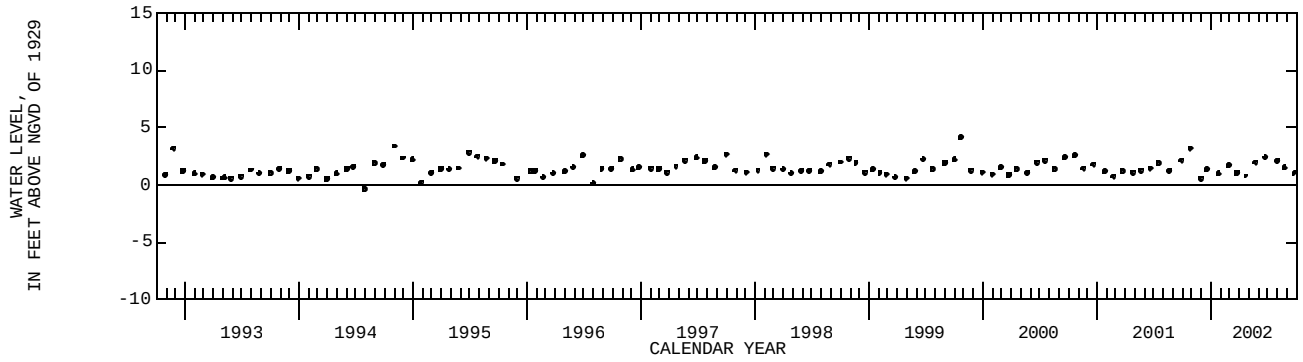
MIAMI-DADE COUNTY--Continued

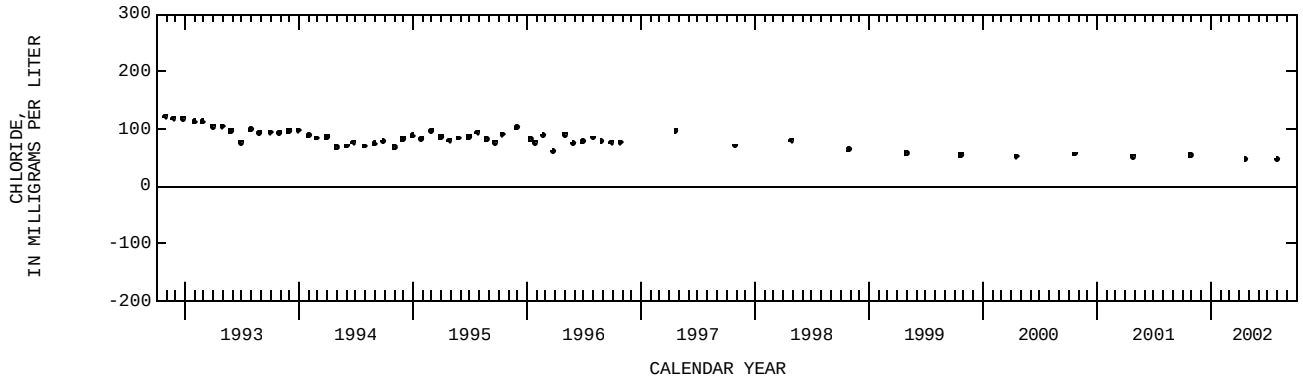
WELL NUMBER.--254855080163701. Local Number G 548. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°48'55", long 80°16'37", in NE $^1/_4$ SE $^1/_4$ SW $^1/_4$ 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
26...	1028	559	54.0	3.18	22...	1030	527	46.0	.76
NOV					MAY				
29...	1009	--	--	.55	23...	1004	--	--	1.95
DEC					JUN				
18...	1122	--	--	1.30	24...	1025	--	--	2.37
JAN					AUG				
24...	1207	--	--	.96	02...	1010	525	46.0	2.06
FEB					23...	1012	--	--	1.48
26...	1511	--	--	1.65	SEP				
MAR					23...	1018	--	--	.97
25...	1129	--	--	1.02					





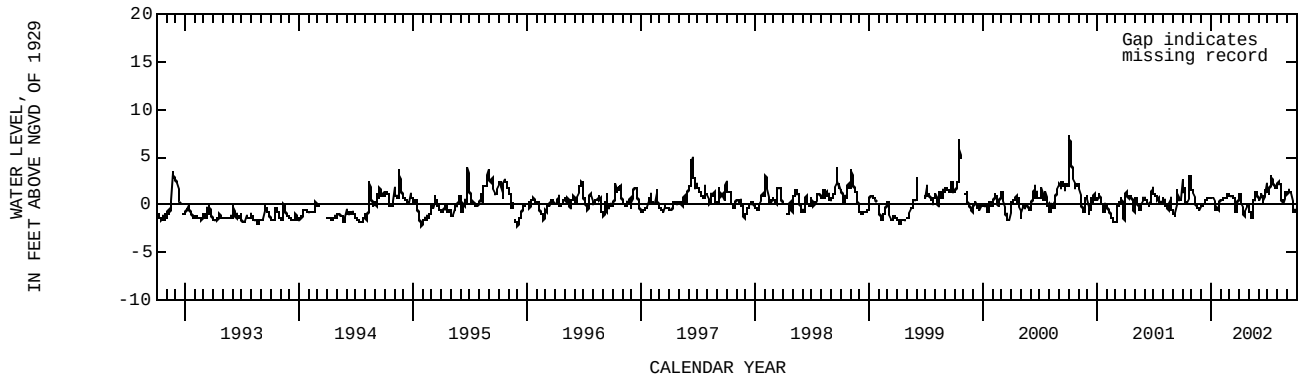
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.83	1.20	-0.09	0.72	0.49	0.76	1.06	-0.76	0.40	1.03	2.10	1.52
10	0.37	0.30	0.21	0.30	0.70	0.92	-0.34	-1.20	1.08	2.26	2.20	1.44
15	-0.04	-0.16	0.50	-0.44	0.72	0.78	-1.03	-1.26	0.76	2.62	0.47	1.23
20	0.48	-0.34	0.70	-0.50	0.76	-0.40	-1.20	0.47	0.81	2.09	0.45	-0.63
25	3.07	-0.73	0.68	-0.02	1.05	-0.44	-0.16	1.29	1.03	1.77	1.00	-0.54
EOM	1.65	-0.16	0.73	0.51	0.96	0.71	-0.06	0.82	1.41	1.51	1.19	-0.80
MAX	3.07	1.56	0.73	0.77	1.06	0.96	1.12	1.29	2.23	2.99	2.30	1.54



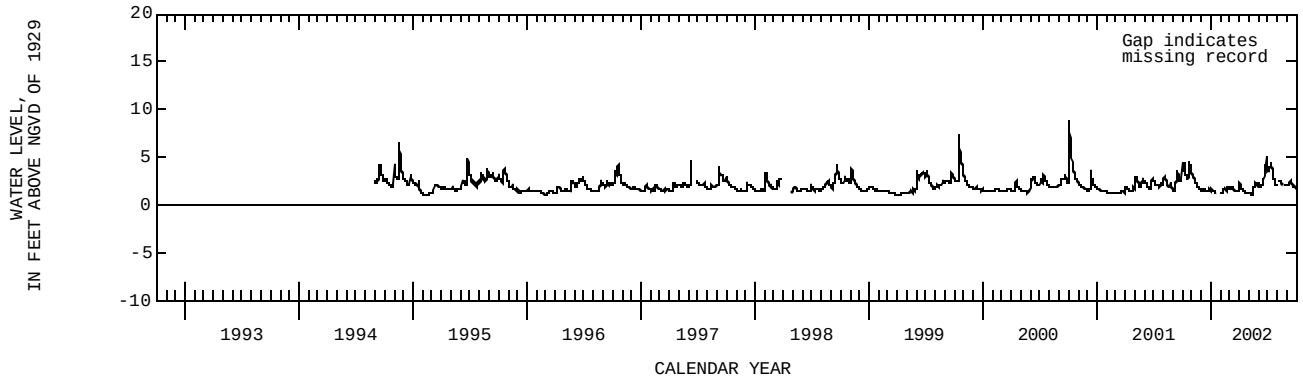
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254917080143301. Local Number G 3564. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°49'17", long 80°14'33", in SE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	2.96	1.46	1.50	1.35	1.63	1.94	1.22	1.94	3.53	---	2.23
10	3.43	2.50	1.60	1.39	1.72	1.83	1.72	1.11	1.88	4.31	2.59	2.39
15	2.78	2.15	1.48	1.30	1.54	1.57	1.54	1.21	2.65	3.85	2.27	2.39
20	3.04	1.91	1.47	1.24	1.52	1.44	1.39	2.21	3.31	2.79	---	1.97
25	---	1.67	1.52	---	1.90	1.41	1.29	2.20	3.41	2.24	---	1.89
EOM	3.30	1.49	1.62	---	1.81	1.41	1.24	2.22	3.62	---	2.05	1.77
MAX	---	3.18	1.64	---	1.93	1.94	2.27	2.34	5.07	---	---	2.61



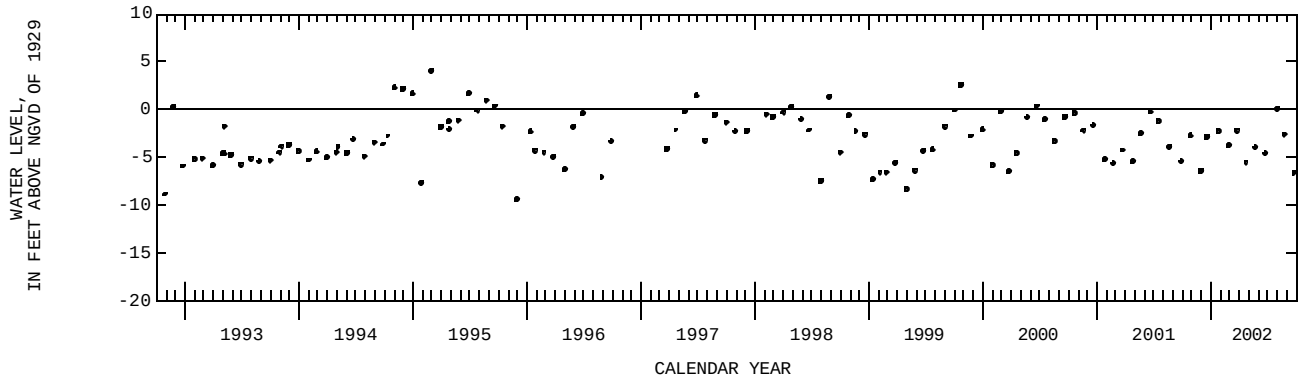
MIAMI-DADE COUNTY--Continued

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 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			APR		
26...	0946	-2.73	22...	0910	-5.50
NOV			MAY		
29...	0935	-6.43	23...	0924	-3.99
DEC			JUN		
18...	1047	-2.89	24...	0943	-4.63
JAN			AUG		
24...	1132	-2.26	02...	0925	.07
FEB			23...	0930	-2.60
26...	1420	-3.74	SEP		
MAR			23...	0956	-6.61
25...	0945	-2.18			



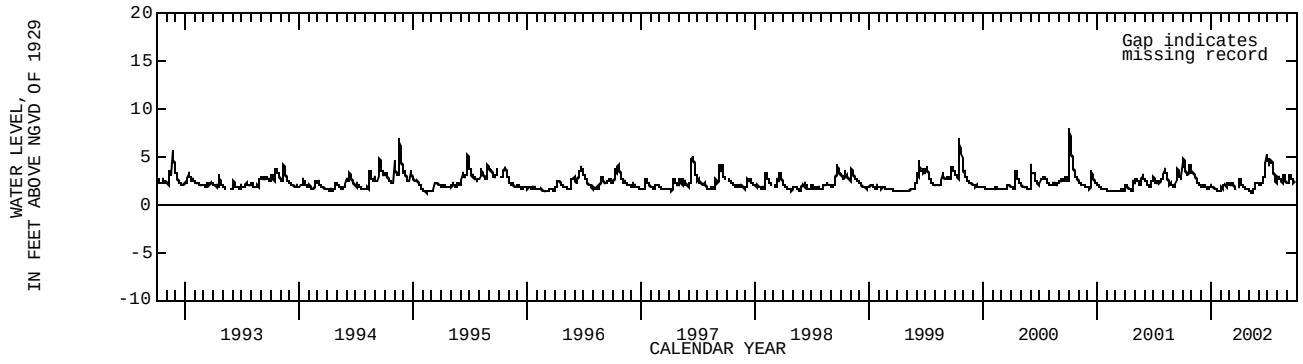
MIAMI-DADE COUNTY--Continued

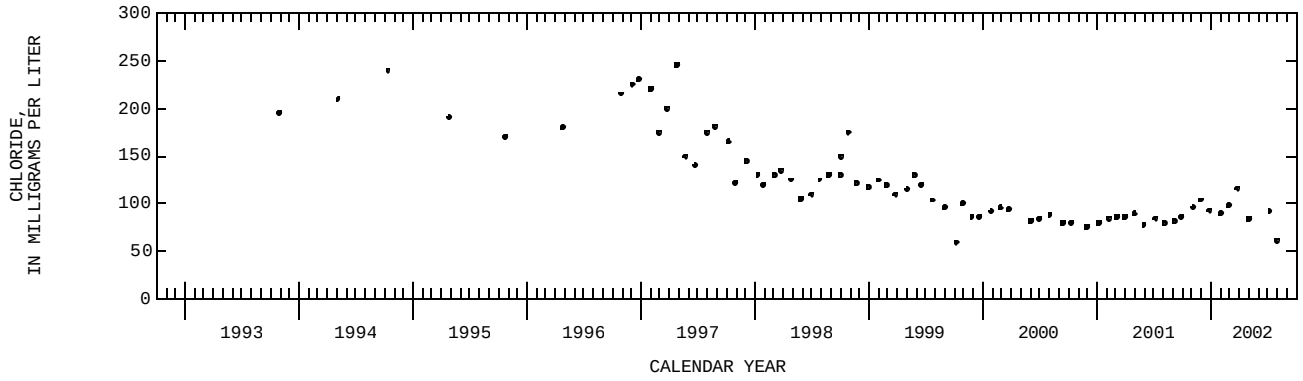
WELL NUMBER.--254943080121501. Local Number F 45. USGS Observation Well in Miami, FL.

LOCATION.--Lat 25°49'43", long 80°12'15", in NE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.74	3.24	1.82	1.86	1.70	1.87	2.36	1.41	2.01	4.31	2.47	2.27
10	3.65	2.84	1.89	1.72	2.06	2.18	2.05	1.31	1.96	4.55	2.64	3.04
15	3.04	2.55	1.78	1.64	1.90	1.91	1.90	1.31	2.78	4.35	2.39	2.86
20	3.23	2.30	1.72	1.55	1.83	1.72	1.77	2.04	3.37	3.22	3.05	2.44
25	4.13	2.07	1.73	1.46	2.18	1.63	1.61	2.21	4.08	2.57	2.63	---
EOM	3.34	1.89	1.94	1.41	2.01	1.59	1.52	2.23	4.26	2.15	2.29	---
MAX	4.74	3.24	2.00	1.94	2.21	---	2.70	2.24	5.21	4.74	3.08	---





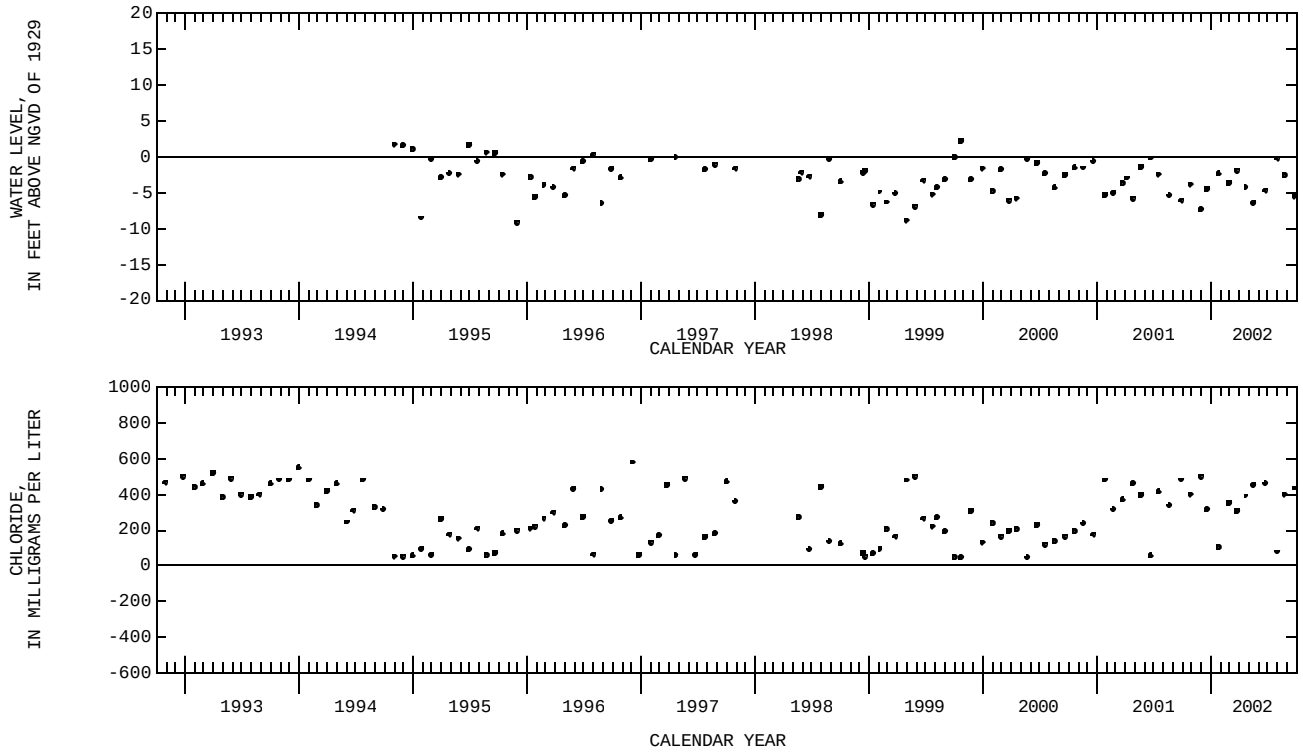
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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.

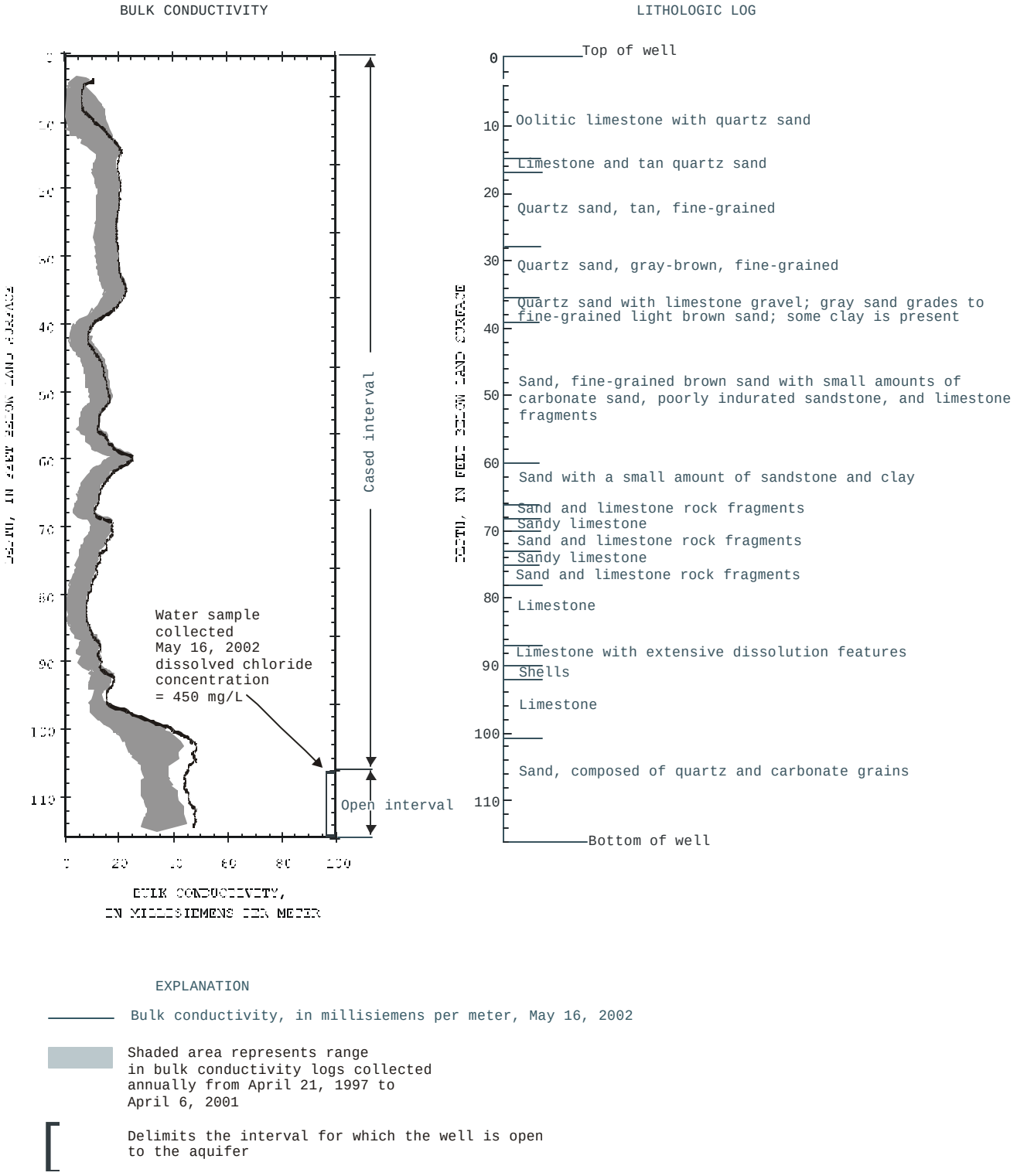
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
26...	1005	1920	400	-3.82
NOV				
29...	0945	2370	500	-7.36
DEC				
18...	1055	1590	315	-4.51
JAN				
24...	1139	774	104	-2.35
FEB				
26...	1430	1610	350	-3.65
MAR				
25...	0916	1530	305	-1.90
APR				
22...	1000	1860	390	-4.34
MAY				
16...	0830	1940	450	-6.49
JUN				
24...	0905	2170	460	-4.67
AUG				
02...	0850	670	78.0	-.19
23...	0853	1860	400	-2.59
SEP				
24...	1020	1980	435	-5.53



WELL NUMBER.--254946080172601. Local Number G 3250. USGS Observation Well in Miami Springs, FL.

254946080172601 G-3250



EXPLANATION

Bulk conductivity, in millisiemens per meter, May 16, 2002

Shaded area represents range in bulk conductivity logs collected annually from April 21, 1997 to April 6, 2001

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

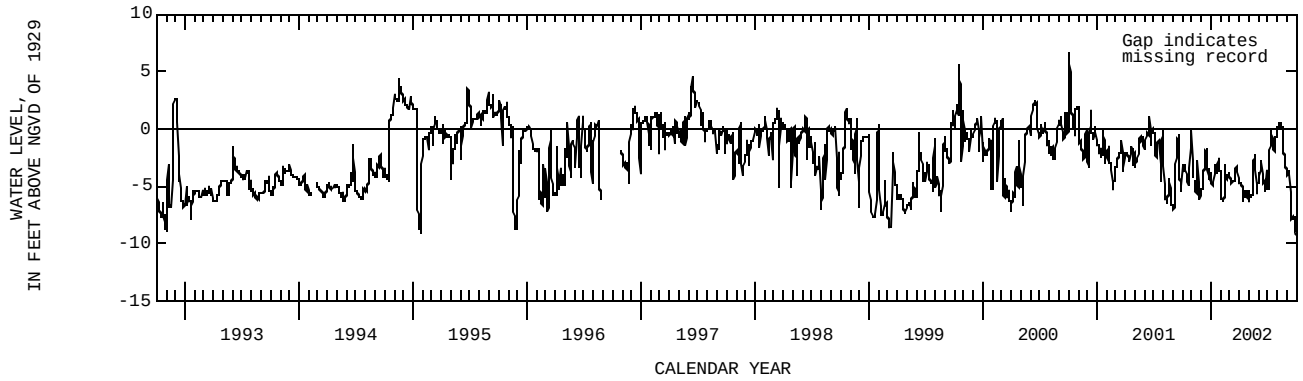
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254950080171202. Local Number G 1368A. USGS Observation Well in Hialeah, FL.

LOCATION.--Lat 25°49'50", long 80°17'12", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-3.33	-4.35	-5.37	-4.83	-6.14	-4.67	-4.71	-5.92	-4.18	-5.01	0.13	-3.92
10	-3.09	-5.28	-3.39	-3.97	-6.08	-4.56	-5.11	-5.70	-2.88	-0.77	0.56	-4.07
15	-4.20	-3.12	-2.03	-3.08	-3.43	-4.61	-5.88	-4.75	-4.51	-0.90	0.17	-7.63
20	-5.03	-4.77	-3.41	-3.69	-4.40	-3.59	-5.79	-2.33	-5.52	-1.72	-1.90	-7.76
25	-1.85	-6.28	-4.59	-3.26	-3.88	-3.38	-5.74	-4.97	-5.46	-0.84	-2.90	-8.56
EOM	-0.19	-5.48	-4.69	-4.96	-3.78	-4.85	-6.20	-4.77	-4.93	-0.38	-3.90	-9.23
MAX	0.00	---	-1.85	-2.66	-3.24	-3.38	-4.66	-2.33	-2.88	-0.10	0.56	-3.70



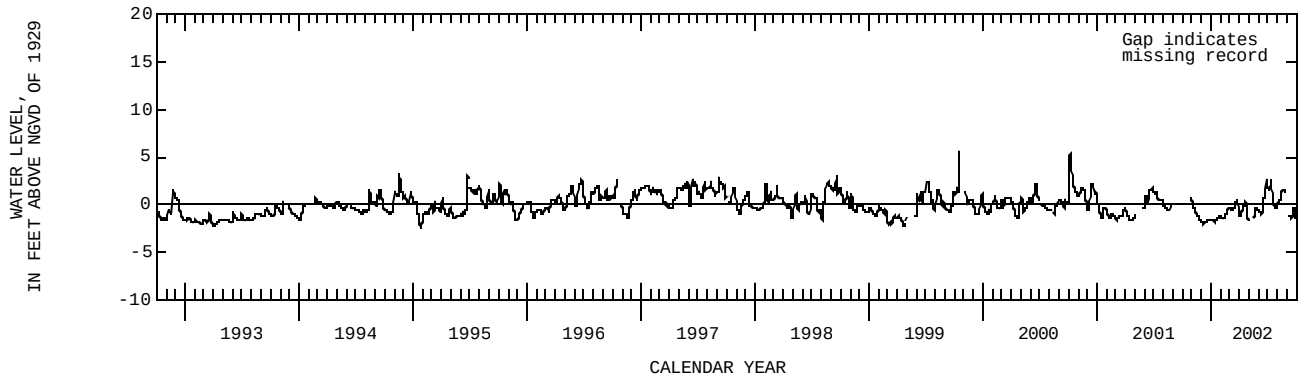
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254950080180801. Local Number G 3. USGS Observation Well in Miami Springs, FL.

LOCATION.--Lat 25°49'50", long 80°18'08", in SW $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	-0.22	-1.87	-1.60	-1.39	-0.58	-1.12	---	-0.78	1.67	0.28	---
10	---	-0.74	-1.87	-1.69	-1.47	-0.44	-0.54	---	-0.99	2.42	0.51	-1.11
15	---	-1.04	-1.83	-1.63	-1.17	-0.38	-0.05	---	0.18	1.16	1.45	-1.32
20	---	-1.25	-1.59	-1.47	-0.95	0.12	-0.05	-0.43	0.89	0.12	1.49	-0.56
25	---	-1.49	-1.58	-1.11	-0.43	0.51	-0.75	-0.26	1.54	-0.37	---	-0.70
EOM	0.52	-1.75	-1.59	-1.28	-0.38	-0.92	-1.70	-0.59	2.03	-0.13	---	-1.43
MAX	---	0.33	-1.57	-1.11	-0.38	0.51	0.30	---	2.51	2.54	---	---



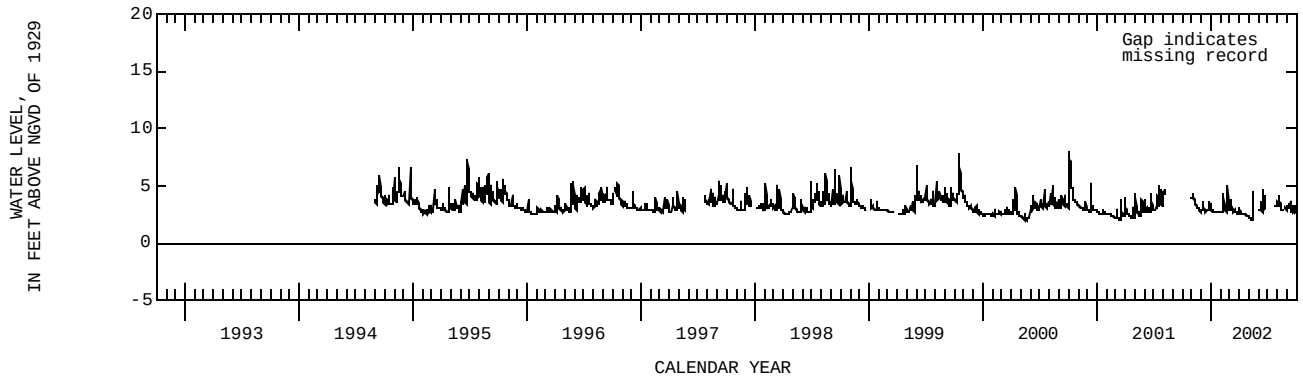
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--254951080194901. Local Number G 3566. USGS Observation Well near Medley, FL.

LOCATION.--Lat 25°49'51", long 80°19'49", in NE 1/4 NE 1/4 SW 1/4 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, 1.93 ft NGVD, May 13, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	4.20	2.77	2.83	2.69	2.78	2.61	2.15	2.87	---	3.10	3.36
10	---	3.44	2.88	2.75	4.01	2.86	2.51	2.01	2.83	---	3.35	3.07
15	---	3.17	2.80	2.72	2.90	2.81	2.51	4.45	4.61	---	2.90	2.85
20	---	2.98	2.82	2.72	2.76	2.75	2.46	---	3.77	---	---	3.29
25	---	2.81	3.51	2.71	3.17	2.49	2.38	---	3.39	---	2.82	2.68
EOM	3.99	2.83	3.36	2.67	2.99	2.57	2.27	---	---	3.29	2.73	2.81
MAX	---	4.20	3.59	3.23	4.92	3.81	3.13	---	---	---	---	3.53



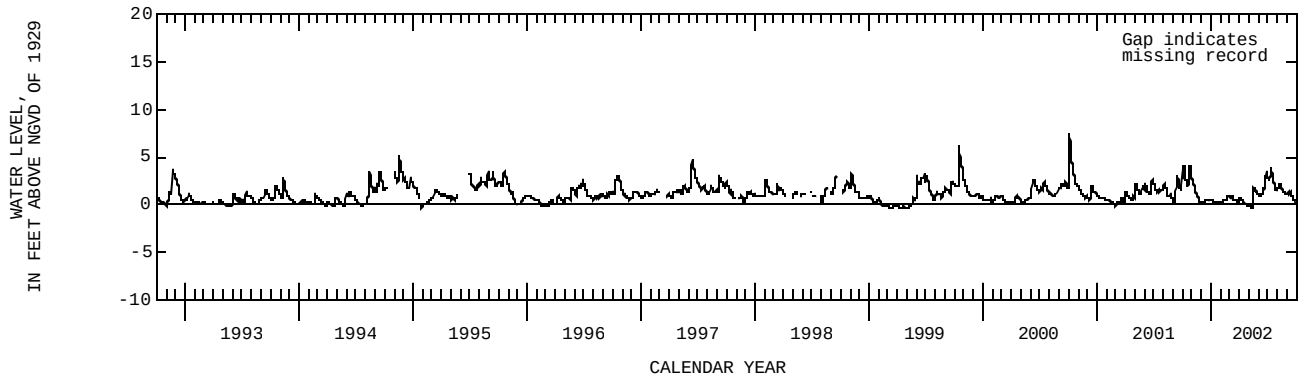
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255008080161801. Local Number F 239. USGS Observation Well in Hialeah, FL.

LOCATION.--Lat 25°50'08", long 80°16'18", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.11	2.10	0.13	0.46	0.12	0.65	0.72	-0.16	0.91	2.53	1.74	1.34
10	2.90	1.54	0.41	0.31	0.44	0.80	0.48	-0.22	1.17	3.68	2.22	1.23
15	2.03	1.05	0.46	0.31	0.44	0.56	0.22	0.65	1.67	3.31	1.70	1.15
20	2.20	0.82	0.55	0.22	0.47	0.44	0.10	1.79	2.12	2.35	1.31	0.66
25	4.05	0.39	0.38	0.23	0.90	0.35	0.00	1.43	2.50	1.69	1.16	0.41
EOM	2.85	0.15	0.47	0.17	0.86	0.29	-0.08	1.15	2.78	1.32	1.05	0.18
MAX	4.11	2.67	0.55	0.51	0.90	0.85	0.75	1.81	3.51	3.82	2.23	1.34



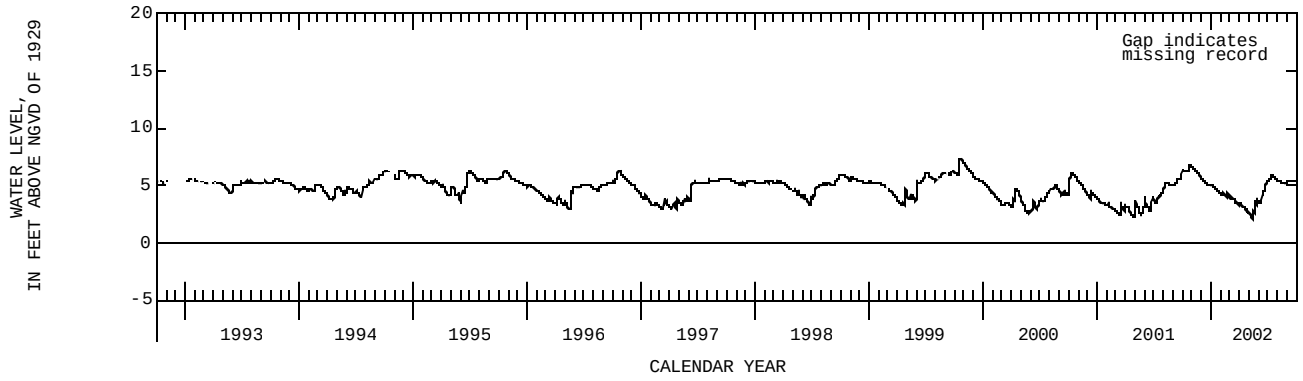
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.31	6.48	5.43	4.95	4.19	3.76	3.34	2.48	3.46	5.38	5.38	5.36
10	6.28	6.34	5.39	4.79	4.31	3.84	3.19	2.24	3.64	5.59	5.32	5.36
15	6.24	6.19	5.26	4.69	4.15	3.75	3.16	2.36	4.51	5.83	5.21	5.41
20	6.44	6.00	5.14	4.54	3.96	3.59	2.94	3.68	4.76	5.79	5.18	5.39
25	6.83	5.84	5.04	4.37	4.15	3.37	2.82	3.34	5.08	5.68	5.14	5.41
EOM	6.61	5.63	4.99	4.21	3.95	3.34	2.64	3.60	5.19	5.48	5.24	5.44
MAX	---	6.57	5.59	4.99	4.31	3.95	3.47	3.89	5.19	5.83	5.44	5.44



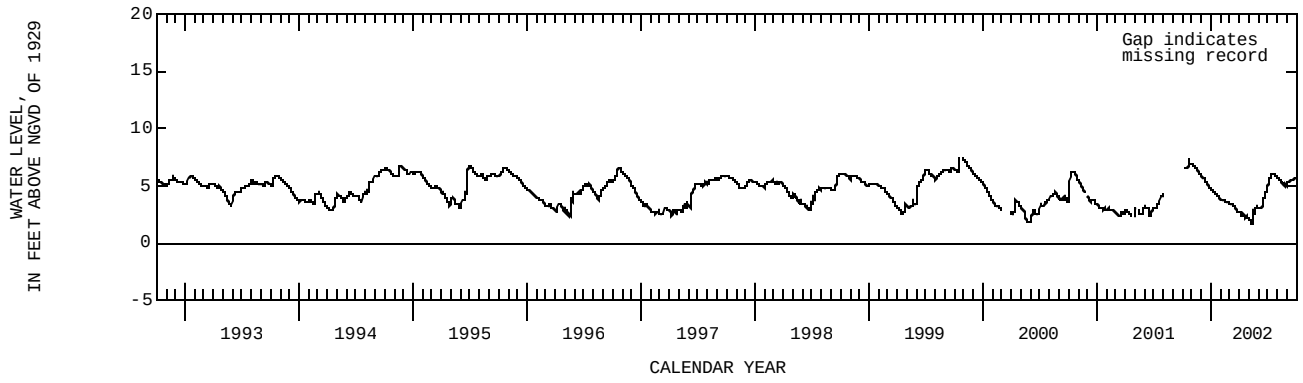
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255026080240302. Local Number G 3259A. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'26", long 80°24'03", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ 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, 4.55 ft above land-surface datum. Prior to March 27, 2002, the top of base was 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. Well reconstructed for a higher measuring point March 27, 2002.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	6.79	5.62	4.63	3.72	3.33	2.56	2.01	3.04	5.33	5.59	5.29
10	6.59	6.64	5.56	4.50	3.78	3.37	2.43	1.82	3.00	5.81	5.49	5.39
15	6.53	6.45	5.35	4.29	3.71	3.24	2.46	2.35	3.81	6.08	5.28	5.58
20	6.76	6.27	5.13	4.15	3.48	3.07	2.34	3.11	4.03	6.06	5.06	5.57
25	---	6.10	4.90	3.97	3.60	2.84	2.31	3.04	4.37	5.95	5.03	5.62
EOM	6.93	5.89	4.68	3.78	3.50	2.71	2.18	3.13	4.71	5.72	5.07	5.66
MAX	---	6.87	5.84	4.68	3.82	3.46	2.70	3.18	4.71	6.08	5.68	5.66



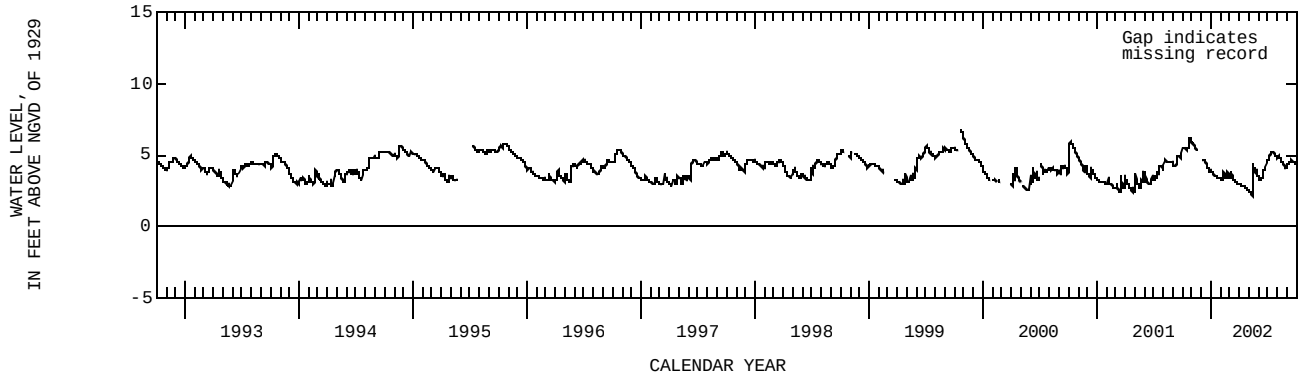
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255027080221602. Local Number G 3264A. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'27", long 80°22'16", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SE $^{1}/_{4}$ sec.7, T.53 S., R.40 E., Hydrologic Unit 03090202, on the north side of NW 74th Street Extension, west of Florida Power and Light 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, 3.22 ft above land-surface datum. Prior to April 16, 2002, top of base was 2.0 ft above land-surface datum. Prior to December 8, 1995, top of base was 1.75 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.51	5.72	4.61	3.78	3.30	3.31	2.98	2.43	3.32	4.65	4.84	4.37
10	5.47	5.52	4.61	3.59	3.86	3.42	2.88	2.25	3.22	5.06	4.74	4.47
15	5.37	5.32	4.41	3.52	3.48	3.24	2.79	3.98	4.01	5.19	4.54	4.60
20	5.64	---	4.18	3.49	3.30	3.16	2.74	4.09	4.08	5.16	4.32	4.51
25	6.17	---	3.88	3.40	3.56	2.99	2.67	3.70	4.13	5.06	4.18	4.46
EOM	5.87	---	3.90	3.31	3.45	2.93	2.55	3.57	4.34	4.89	4.12	4.41
MAX	6.19	---	---	3.90	3.89	3.78	3.00	4.33	4.41	5.23	4.91	4.60



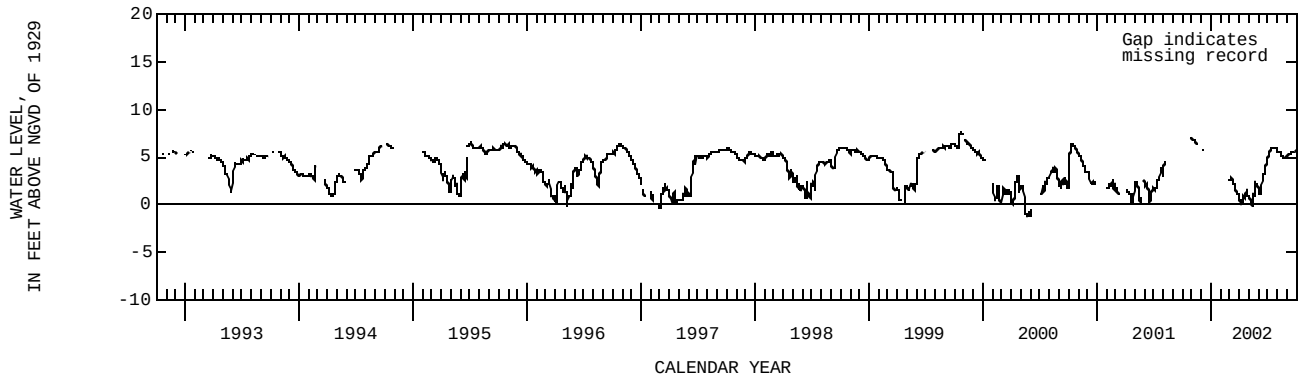
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255027080245501. Local Number G 3253. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'27", long 80°24'55", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	6.77	5.58	---	---	2.39	0.14	0.43	1.17	5.27	5.56	5.26
10	---	6.61	---	---	---	2.45	0.39	0.25	1.03	5.79	5.44	5.37
15	---	6.37	---	---	---	2.25	0.96	0.25	3.20	5.96	5.14	5.55
20	---	---	---	---	---	1.67	0.88	2.32	3.43	5.94	4.97	5.49
25	---	---	---	---	---	1.33	1.15	2.28	4.15	5.95	4.84	5.61
EOM	6.91	---	---	---	---	1.16	0.85	1.73	4.63	5.64	5.03	5.65
MAX	---	---	---	---	---	2.71	1.52	2.34	4.63	5.96	5.63	5.65



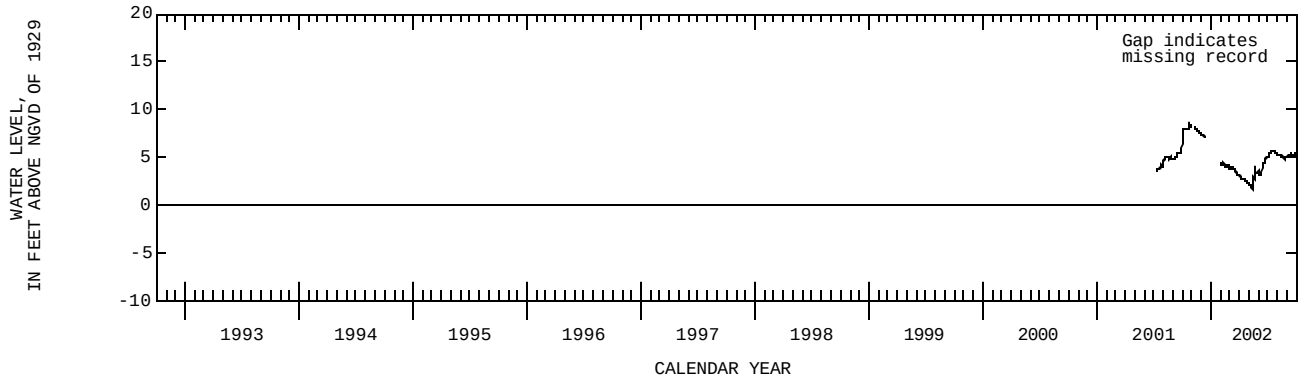
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255035080255401. Local Number G 3760. USGS Observation Well near Hialeah Gardens, FL.

LOCATION.--Lat 25°50'29", long 80°26'02", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.22, T.53 S., R.39 E., Hydrologic Unit 03090202, 0.3 mi. north of NW 41 Street and 2.96 mi west of State Road 821.
AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 72.7 ft, cased to 70.7 ft, open hole 70.7 to 72.7 ft.
INSTRUMENTATION.--Electronic data logger.
DATUM.--Land-surface datum is 5.25 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.95 ft above land-surface datum.
PERIOD OF RECORD.--July 2001 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.50 ft NGVD, Oct. 22, 23, 2001; lowest, 1.72 ft NGVD, May 14, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.00	---	7.36	---	4.24	3.76	2.93	2.13	3.22	5.18	5.28	5.17
10	7.97	8.01	7.13	---	4.32	3.88	2.75	1.90	3.33	5.52	5.17	5.23
15	7.93	7.86	---	---	4.14	3.76	2.76	2.42	4.39	5.73	5.03	5.36
20	8.12	7.70	---	---	3.93	3.57	2.63	3.91	4.70	5.68	4.97	5.32
25	8.49	7.54	---	---	4.09	3.27	2.53	3.34	4.94	5.61	4.94	5.35
EOM	8.27	7.37	---	4.34	3.93	3.08	2.33	3.61	4.97	5.38	5.05	5.38
MAX	8.50	---	---	---	4.33	3.99	3.07	3.91	4.98	5.75	5.35	5.39



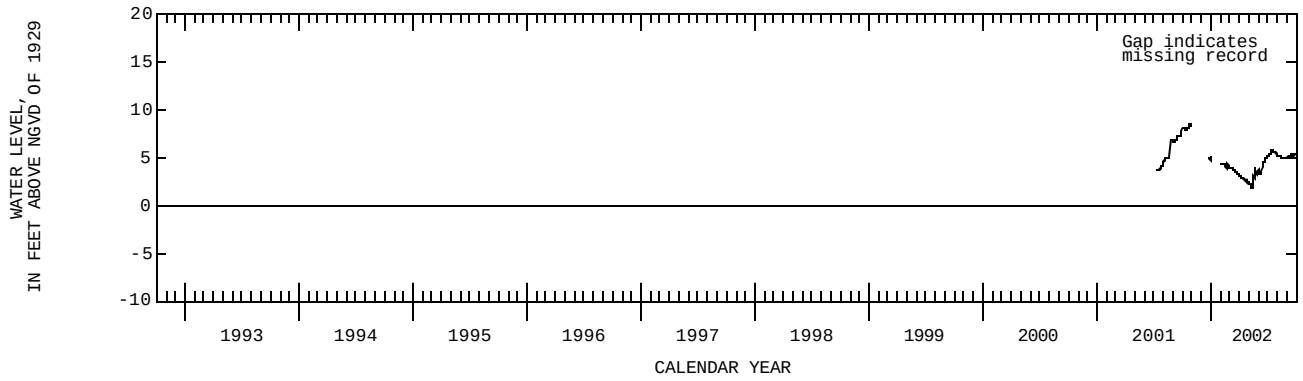
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255035080255402. Local Number G 3761. USGS Observation Well near Hialeah Gardens, FL.

LOCATION.--Lat 25°50'29", long 80°26'02", in NW 1/4 NW 1/4 NW 1/4 sec.22, T.53 S., R.39 E., Hydrologic Unit 03090202, 0.3 mi north of NW 41 Street and 2.96 mi west of State Road 821.
AQUIFER.--Biscayne limestone aquifer of the Pleistocene Age, Geologic Unit 112 BSCNN.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 16.3 ft.
INSTRUMENTATION.--Electronic data logger.
DATUM.--Land-surface datum is 5.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--July 2001 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.55 ft NGVD, Oct. 22-24, 2001; lowest, 1.74 ft NGVD, May 14, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.04	---	---	---	4.26	3.76	2.96	2.17	3.26	5.15	5.23	5.11
10	8.02	---	---	---	4.35	3.87	2.80	1.94	3.38	5.51	5.16	5.17
15	7.96	---	---	---	4.15	3.75	2.80	2.47	4.47	5.72	5.00	5.32
20	8.16	---	---	---	3.93	3.58	2.67	3.97	4.75	5.68	4.94	5.28
25	8.54	---	---	---	4.12	3.28	2.55	3.38	4.93	5.59	4.92	5.31
EOM	8.33	---	4.90	4.36	3.93	3.09	2.35	3.66	4.95	5.36	4.99	5.35
MAX	8.55	---	---	---	4.35	4.01	3.10	3.97	4.95	5.73	5.32	5.36



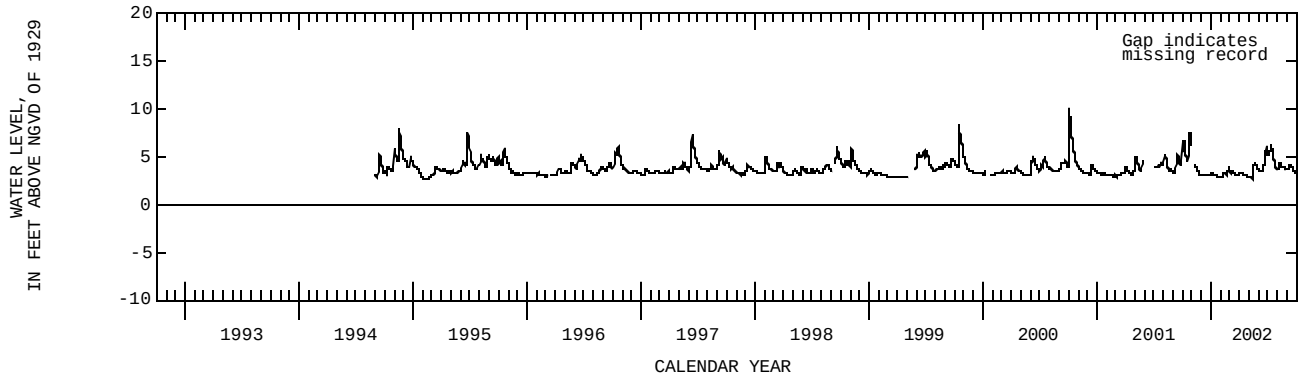
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255112080151901. Local Number G 3562. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°51'12", long 80°15'19", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ SW $^{1}/_{4}$ 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 of State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.70	---	3.01	3.19	2.97	3.32	3.36	2.88	3.56	5.46	3.75	3.81
10	5.47	4.21	3.16	3.07	3.29	3.40	3.24	2.80	3.45	6.15	4.27	4.05
15	4.60	3.79	3.12	3.01	3.25	3.25	3.13	3.29	4.06	5.73	3.91	4.06
20	5.11	3.43	3.07	2.97	3.14	3.13	3.03	4.33	4.38	4.69	3.77	3.59
25	7.39	3.17	3.05	2.94	3.59	3.07	2.96	4.06	5.27	4.00	3.69	3.37
EOM	---	3.01	3.16	2.92	3.49	3.05	2.94	3.78	5.29	3.57	3.60	3.26
MAX	---	---	3.17	3.22	3.93	3.45	3.39	4.33	5.96	6.28	4.30	4.21



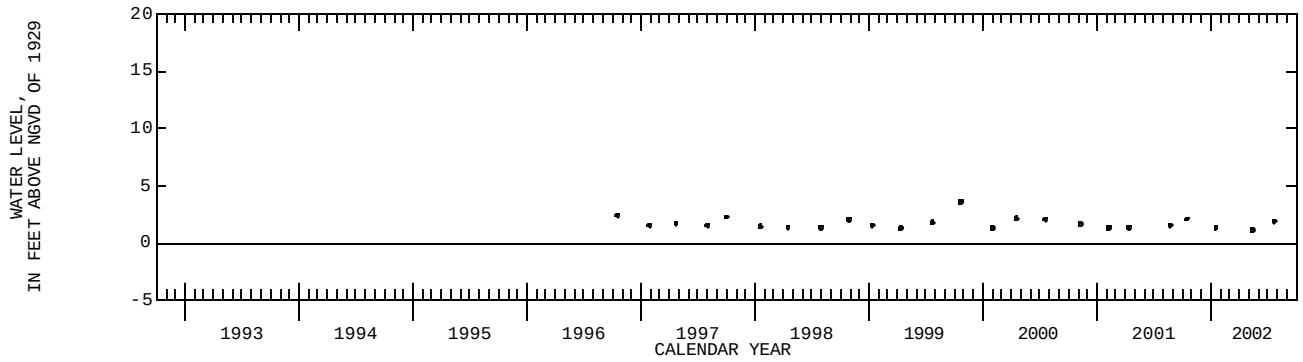
MIAMI-DADE COUNTY--Continued

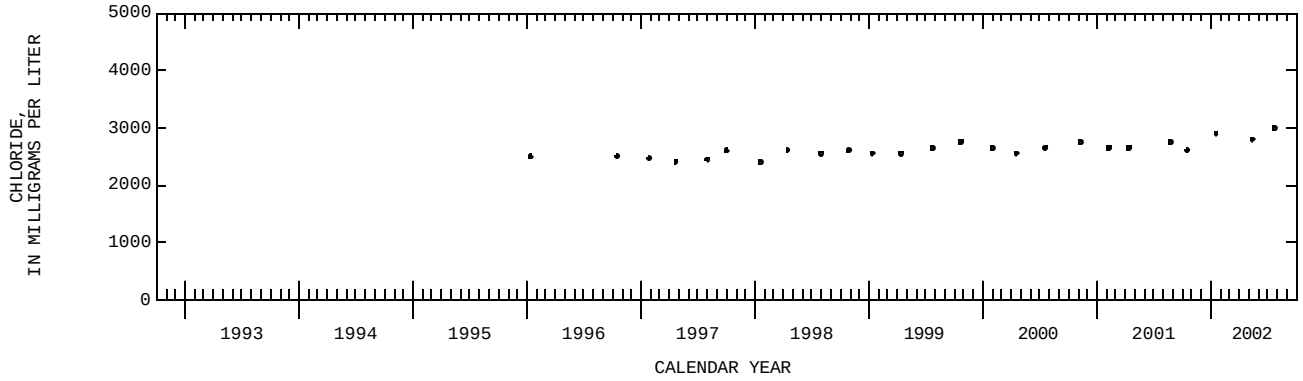
WELL NUMBER.--255116080120601. Local Number G 3602. USGS Observation Well near El Portal, FL.

LOCATION.--Lat 25°51'16", long 80°12'06", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 1.13 ft NGVD, May 13, 2002.

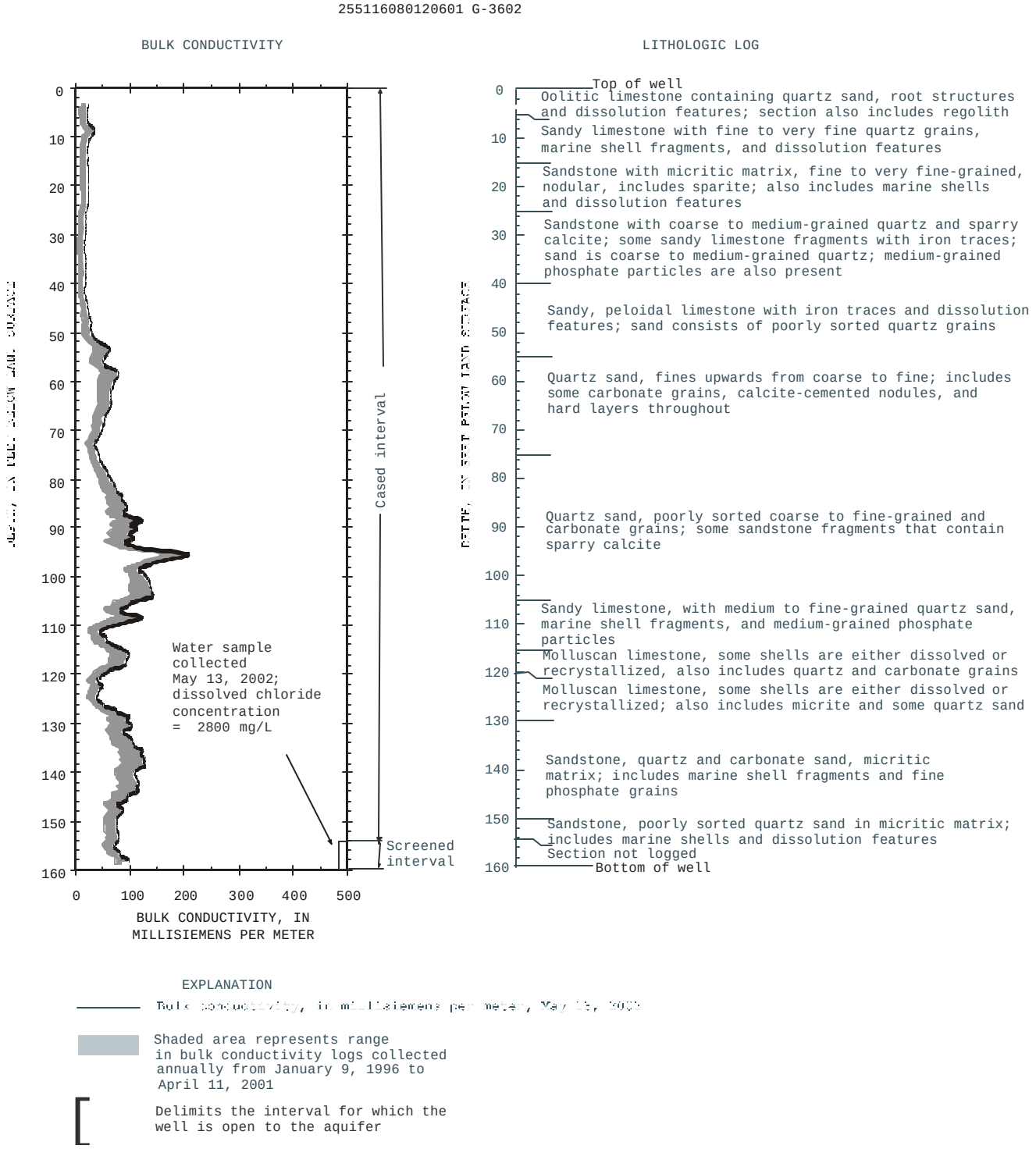
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					MAY				
17...	1144	8440	2600	2.10	13...	1101	8470	2800	1.13
JAN					JUL				
16...	0857	8320	2900	1.31	22...	0902	9490	3000	1.89





WELL NUMBER.--255116080120601. Local Number G 3602. USGS Observation Well near El Portal, FL.



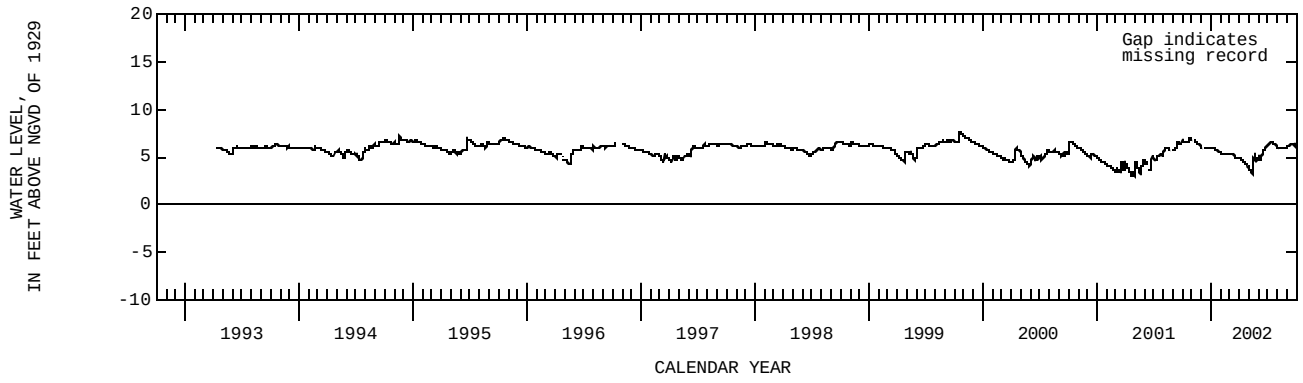
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255208080274001. Local Number G 975. USGS Observation Well near Pennsuco, FL.

LOCATION.--Lat 25°52'08", long 80°27'40", in SW $^{1}/_{4}$ SE $^{1}/_{4}$ 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, 6.93 ft above land-surface datum. Prior to May 1, 2002 the top of base was 7.08 ft above land-surface datum.
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The well was repaired because of a casing collapse May 1, 2002 and the measuring point re-established.
PERIOD OF RECORD.--July 1958 to September 1992, April 1993 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.66	---	---	5.91	5.42	5.17	4.80	3.65	4.78	6.31	5.87	6.23
10	6.60	6.69	---	5.86	5.30	5.26	4.62	3.41	4.99	6.50	5.94	6.26
15	6.58	6.56	5.93	5.79	5.28	5.19	4.55	4.10	5.62	6.54	5.91	6.40
20	6.69	6.46	5.92	5.68	5.11	5.01	4.37	5.33	5.74	6.42	5.87	6.30
25	7.06	6.28	5.91	5.60	5.28	4.82	4.17	4.85	5.98	6.30	5.89	6.29
EOM	6.88	6.12	5.87	5.47	5.24	4.80	---	4.99	6.09	6.01	6.10	6.22
MAX	7.08	---	---	5.92	5.43	5.26	---	---	6.16	6.55	---	6.40



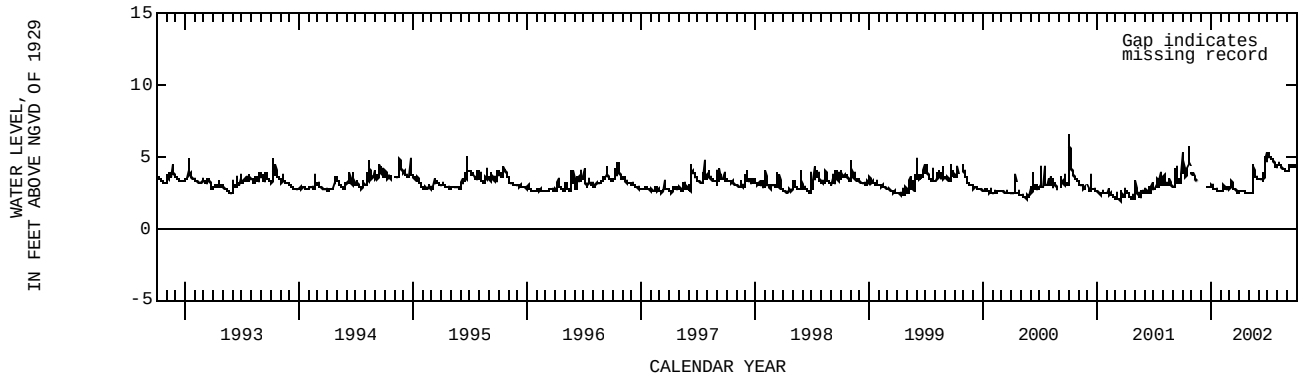
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255209080212801. Local Number G 973. USGS Observation Well near Medley, FL.

LOCATION.--Lat 25°52'09", long 80°21'28", in NW 1/4 NE 1/4 NE 1/4 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 with pressure transducer.
DATUM.--Land-surface datum is 6.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft above land-surface datum. Prior to November 2001, top of casing was 3.00 ft above land-surface datum.
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. Station re-constructed and pressure gage installed December 19, 2001.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.71	3.88	---	2.87	2.60	2.78	2.56	2.47	3.40	4.95	4.46	4.37
10	3.66	3.39	---	2.72	2.98	3.10	2.55	2.44	3.33	4.95	4.42	4.41
15	3.72	---	---	2.77	2.78	2.78	2.55	3.48	3.87	4.83	4.23	4.37
20	4.81	---	2.89	2.66	2.68	2.73	2.55	3.83	4.47	4.64	4.15	4.49
25	4.34	---	2.93	2.63	2.81	2.52	2.52	3.56	4.76	4.40	4.01	4.39
EOM	3.81	---	2.99	2.60	2.78	2.49	2.51	3.49	4.50	4.19	4.04	4.32
MAX	---	---	---	3.04	2.98	3.24	2.56	4.48	5.29	5.24	4.50	4.49



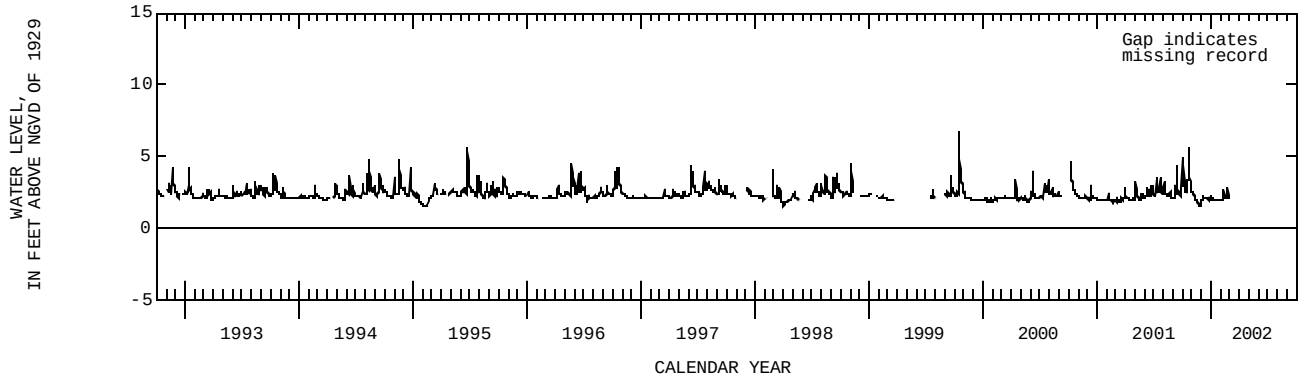
MIAMI-DADE COUNTY--Continued

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.
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.
INSTRUMENTATION.--Electronic data logger. (Discontinued).
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 U.S. Geological Survey. This well has been destroyed. A replacement well has been drilled but it was not active for the 2002 water year.
PERIOD OF RECORD.--January 1961 to Feb. 27, 2002. See REMARKS. Discontinued.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.32	2.53	1.97	2.04	2.01	---	---	---	---	---	---	---
10	2.59	2.03	2.10	1.99	2.69	---	---	---	---	---	---	---
15	2.44	1.85	2.09	2.01	2.11	---	---	---	---	---	---	---
20	3.38	1.70	2.05	2.00	2.03	---	---	---	---	---	---	---
25	3.21	1.57	2.03	2.01	1.99	---	---	---	---	---	---	---
EOM	2.56	1.89	2.28	2.00	---	---	---	---	---	---	---	---
MAX	5.53	2.53	2.29	2.20	---	---	---	---	---	---	---	---



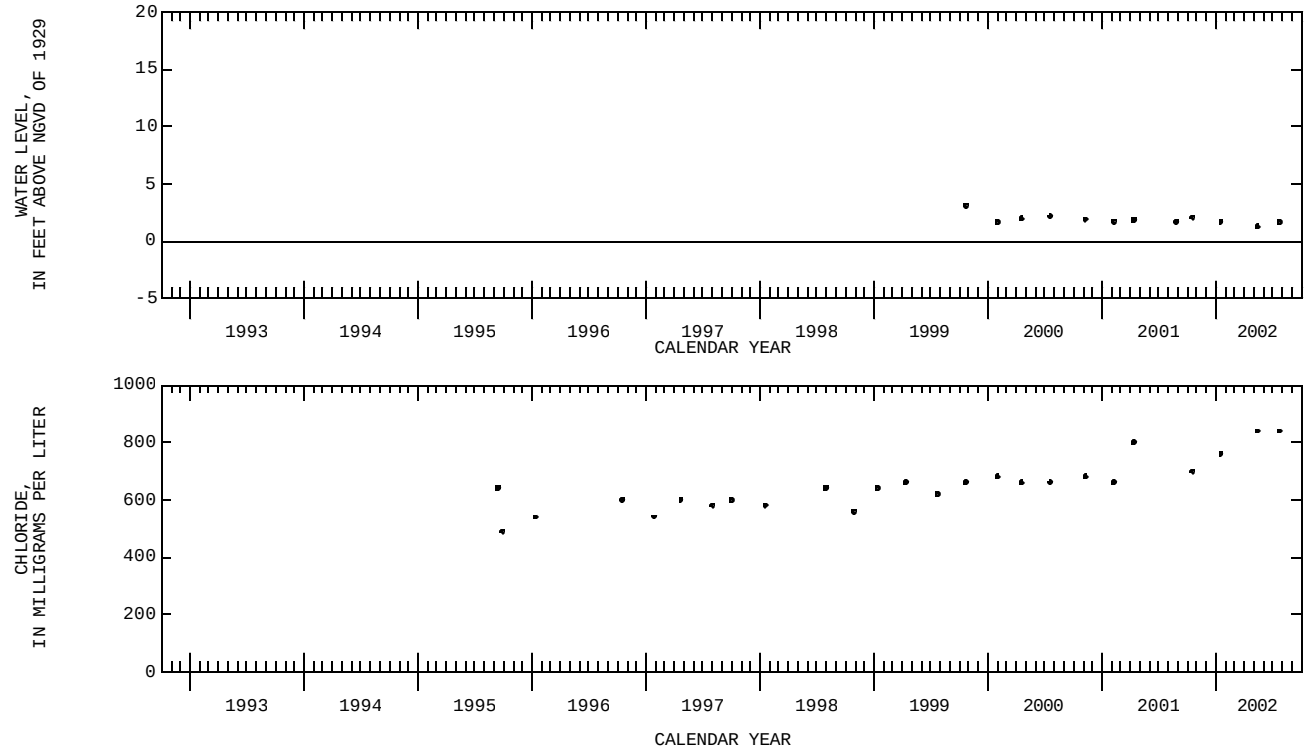
MIAMI-DADE COUNTY

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 1/4 SW 1/4 SW 1/4 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. 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, 1.25 ft NGVD, May 13, 2002.

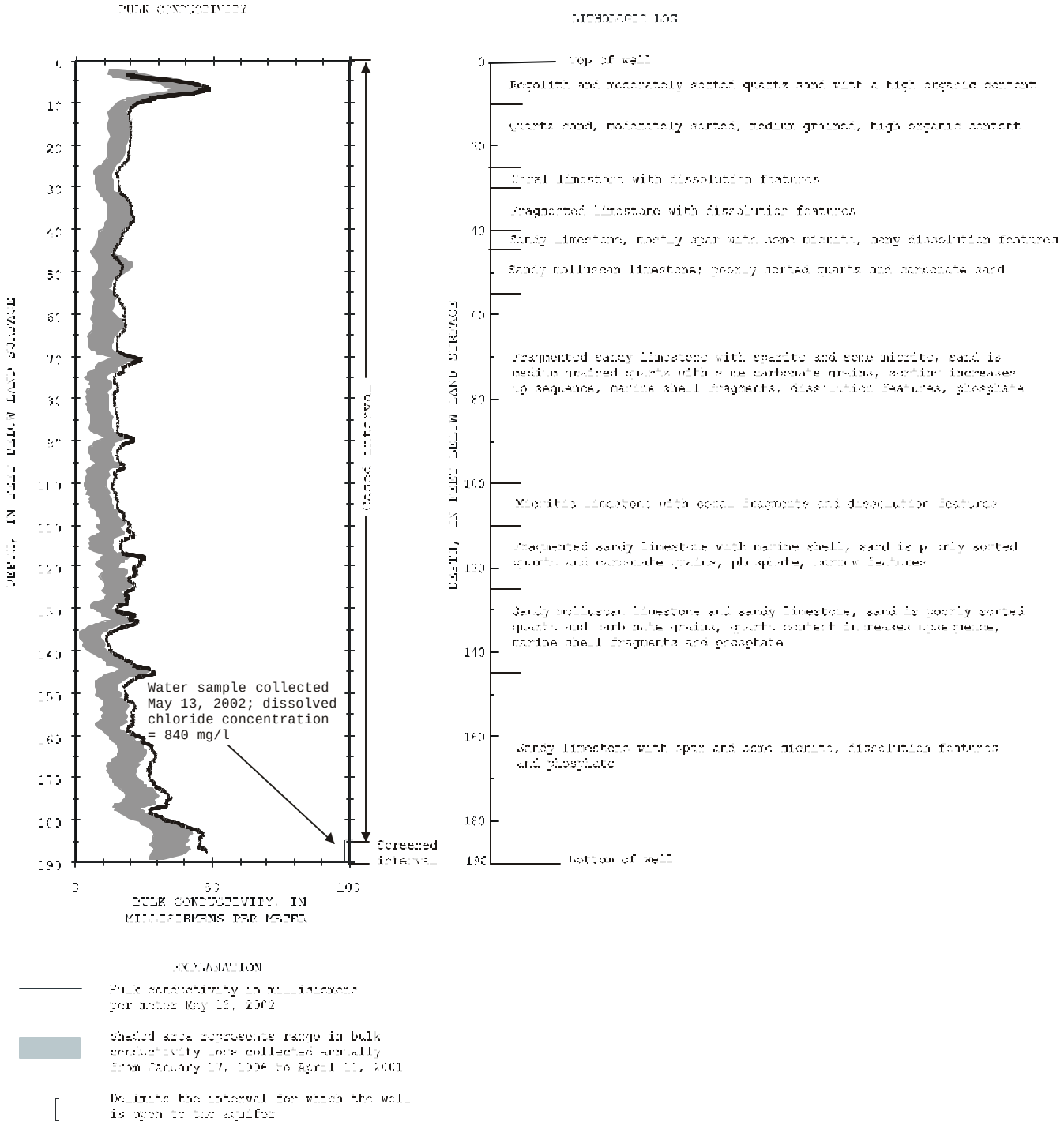
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
17...	1218	2.08	13...	0955	1.25
JAN			JUL		
16...	1006	1.69	22...	0827	1.68



WELL NUMBER.--255358080114101. Local Number G 3601. USGS Observation Well near North Miami, FL.

255358080114101 G-3601



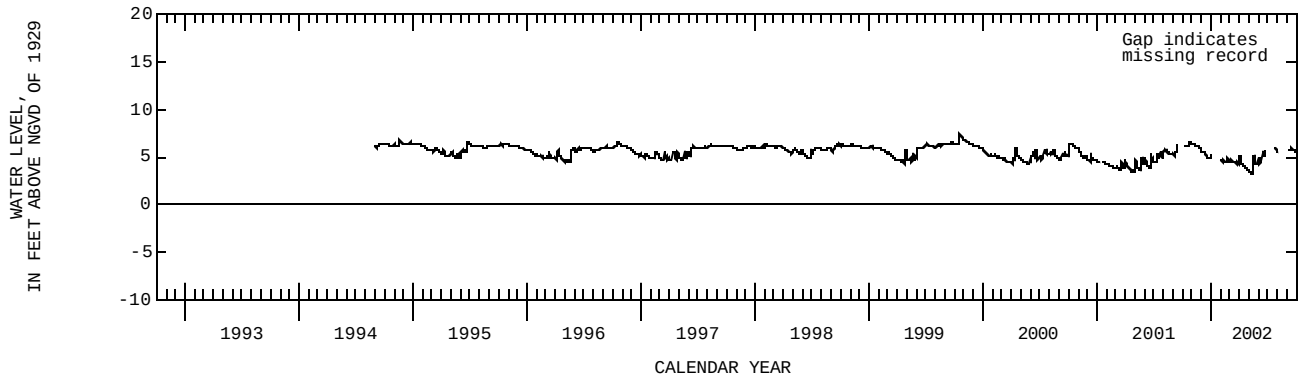
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255358080260901. Local Number G 3567. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°53'58", long 80°26'09", in NW 1/4 SW 1/4 SW 1/4 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, 3.21 ft NGVD, May 13, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	6.38	5.43	---	4.52	4.46	4.54	3.51	4.27	---	5.44	5.55
10	6.24	6.30	5.38	---	4.64	4.54	4.23	3.32	4.56	---	---	5.71
15	6.22	6.18	5.16	---	4.50	4.46	4.12	3.48	5.63	---	---	5.89
20	6.34	6.07	5.03	---	4.39	4.42	3.98	5.17	5.61	---	---	5.78
25	6.63	5.94	4.88	---	4.64	4.26	3.81	4.18	---	---	---	5.65
EOM	6.46	5.72	5.18	---	4.52	4.23	3.67	4.86	---	5.66	---	5.54
MAX	---	6.43	5.65	---	---	4.70	5.20	5.17	---	---	---	---



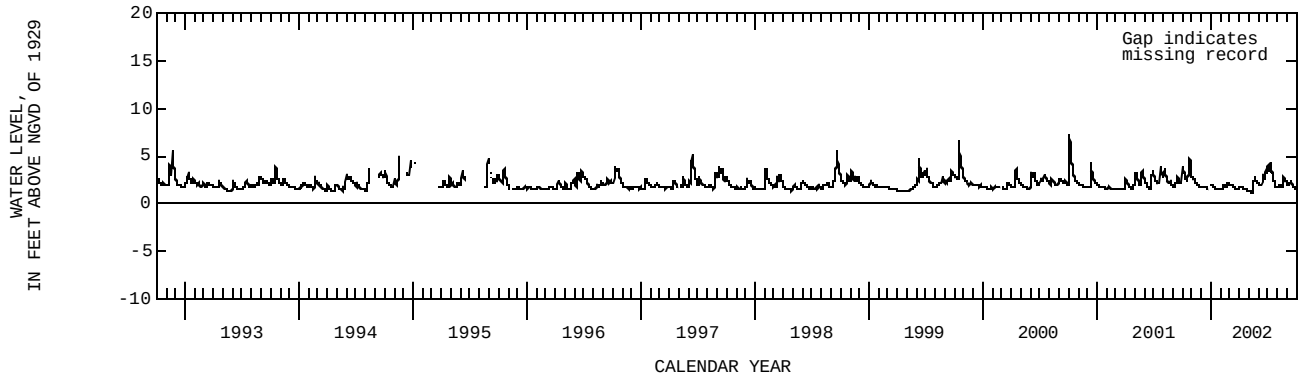
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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. See REMARKS.
REMARKS.--Records of water levels prior to October 1973 are available in files of the U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.44	2.68	---	1.85	1.60	1.85	1.80	1.30	1.95	3.78	1.73	1.93
10	2.75	2.28	1.85	1.74	2.05	2.00	1.73	1.21	1.86	3.99	1.96	2.13
15	2.37	2.01	1.69	1.62	1.88	1.82	1.62	1.50	2.92	3.18	1.84	2.23
20	3.41	1.88	1.64	1.59	1.77	1.68	1.53	2.82	2.47	2.41	2.66	1.85
25	4.57	1.78	1.66	1.55	2.20	1.60	1.46	2.38	3.22	1.91	2.36	1.70
EOM	2.91	---	1.84	1.52	1.96	1.57	1.39	2.09	3.11	1.73	2.05	1.60
MAX	4.65	---	---	1.89	2.20	2.07	1.83	2.84	3.67	4.25	2.71	2.31



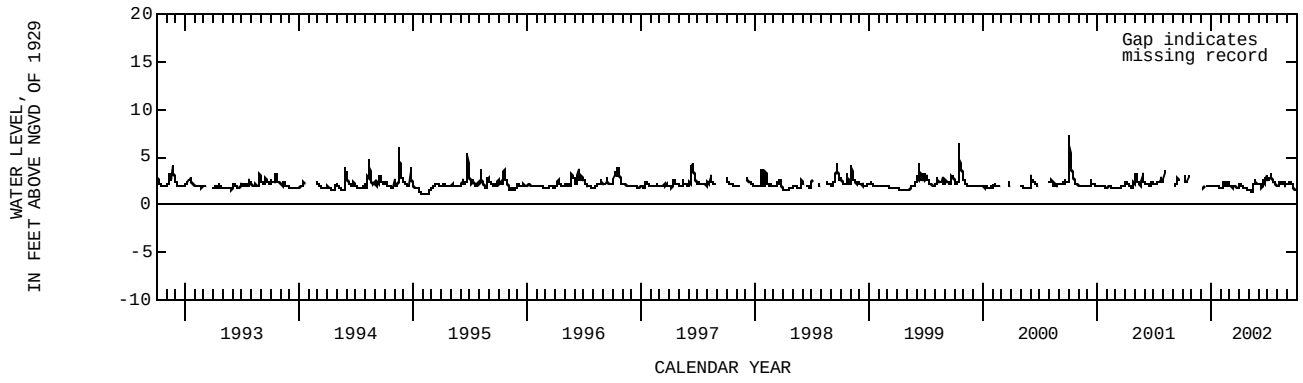
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ 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 (State Road 826), 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	1.82	2.00	1.85	1.98	2.13	1.55	2.09	2.64	2.02	2.14
10	2.51	---	---	1.92	2.32	1.87	1.96	1.45	2.01	3.13	2.29	2.39
15	2.29	---	---	1.91	2.10	1.89	1.86	1.63	2.57	2.52	2.25	2.22
20	2.91	---	1.90	1.88	1.96	1.88	1.77	2.57	2.32	2.41	2.41	1.83
25	---	---	1.89	1.87	2.14	1.83	1.69	2.28	2.70	2.08	1.94	1.57
EOM	---	---	2.00	1.85	2.05	1.80	1.63	2.15	2.33	1.99	2.01	1.49
MAX	---	---	---	2.02	2.34	2.05	2.18	2.57	2.95	3.23	2.46	2.41



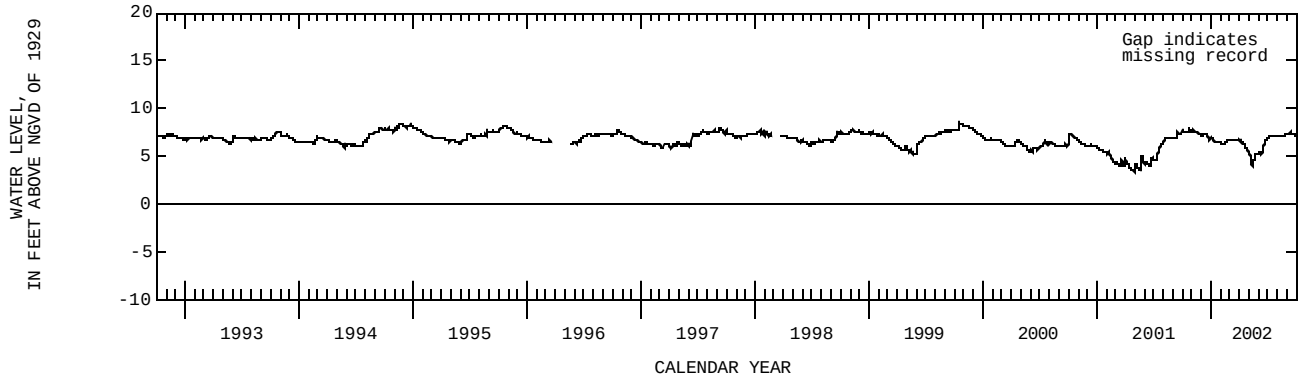
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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. Prior to October 1997, top of base was 5.00 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.64	7.67	7.14	6.88	6.35	6.68	6.62	5.13	5.28	6.98	7.10	7.35
10	7.54	7.64	7.30	6.60	6.38	6.81	6.48	4.29	5.39	7.14	7.14	7.35
15	7.55	7.54	7.32	6.57	6.40	6.66	6.25	4.18	6.09	7.20	7.10	7.43
20	7.60	7.43	7.18	6.55	6.49	6.64	6.03	5.35	6.46	7.22	7.06	7.26
25	7.85	7.30	6.85	6.45	6.76	6.59	5.76	5.18	6.63	7.18	7.11	7.23
EOM	7.66	7.19	6.93	6.40	6.74	6.54	5.47	5.35	6.89	7.07	7.31	7.15
MAX	7.90	7.67	---	7.00	6.77	6.82	6.68	5.37	6.89	7.24	7.34	7.46



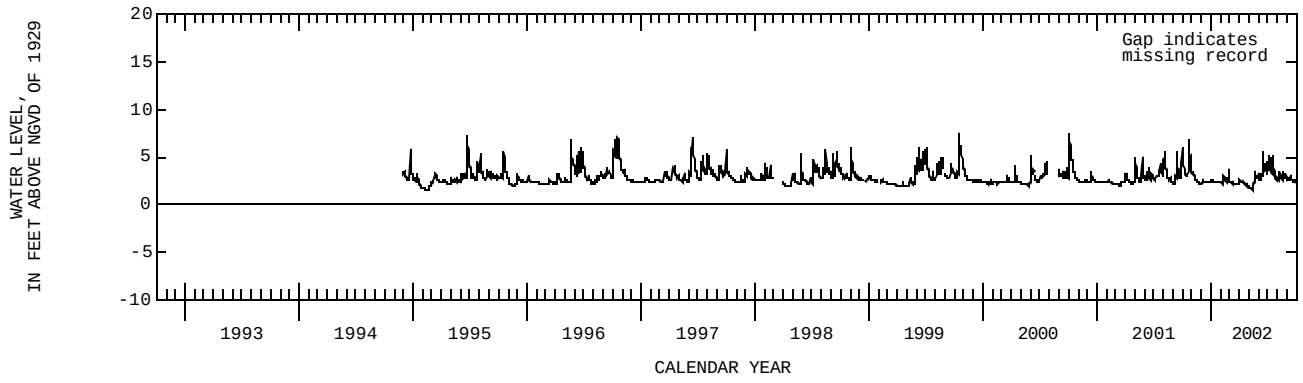
MIAMI-DADE COUNTY--Continued

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 1/4 SW 1/4 NE 1/4 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, 15, 1995.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.11	3.35	2.31	2.48	2.27	2.42	2.39	1.83	2.65	4.15	2.56	2.49
10	3.48	2.66	2.39	2.36	2.93	2.25	2.29	1.69	2.84	3.94	3.03	2.70
15	2.88	2.48	2.37	2.37	2.56	2.28	2.37	1.95	5.50	3.23	2.83	2.67
20	3.75	2.37	2.31	2.36	2.34	2.26	2.13	3.41	4.03	3.78	3.40	2.66
25	5.07	2.25	2.33	2.33	2.56	2.21	2.04	2.79	3.74	3.27	2.77	2.34
EOM	3.38	2.23	2.61	2.30	3.72	2.17	1.96	3.21	3.08	2.50	2.65	2.51
MAX	6.81	3.35	2.61	2.64	3.72	2.47	2.69	3.41	5.50	5.21	3.41	2.93



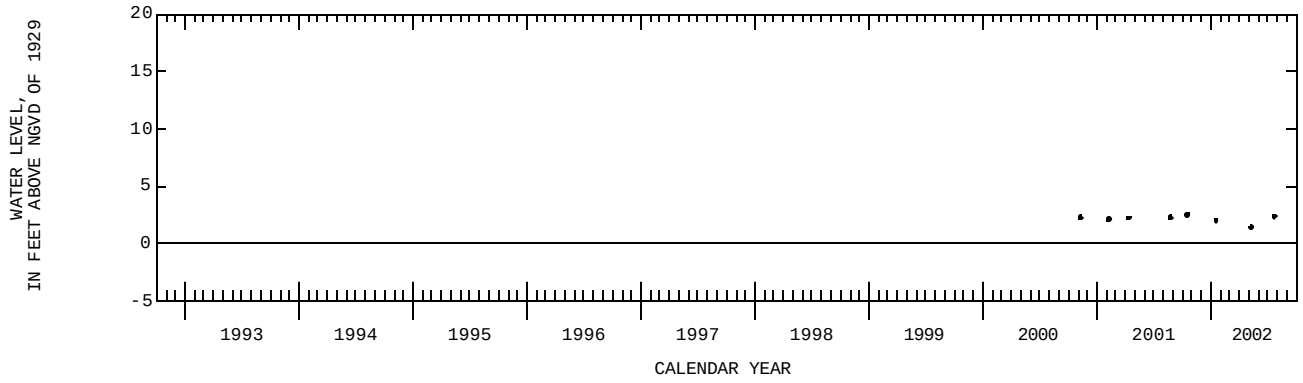
MIAMI-DADE COUNTY--Continued

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 1/4 NW 1/4 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Water-level measurements began in November 2000. Annual induction log for the 2002 water year not available at the time of publication.
PERIOD OF RECORD.--April 2000 to current year. See REMARKS.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.46 ft NGVD, Oct. 17, 2002; lowest, 1.40 ft NGVD, May 10, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	ELEVATION ABOVE NGVD (FEET) (72020)
OCT			MAY		
17...	1130	2.46	10...	1258	1.40
JAN			JUL		
16...	0811	2.01	22...	0805	2.38



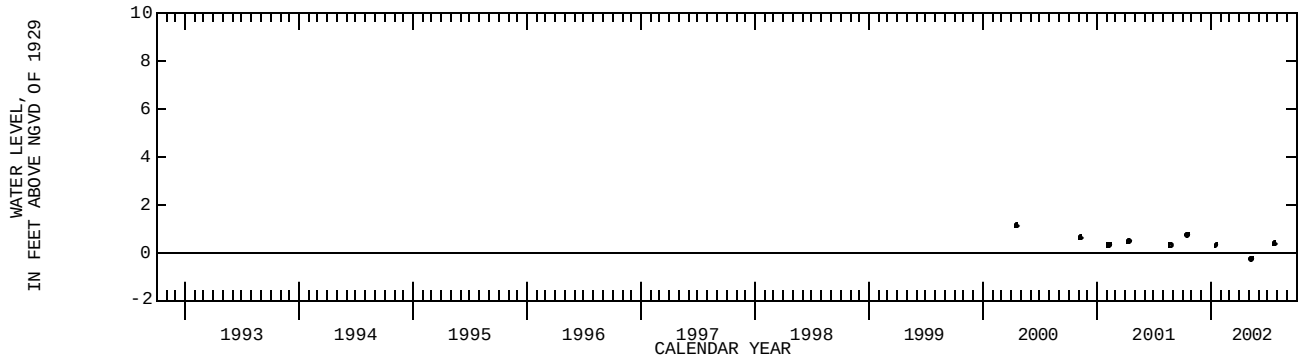
MIAMI-DADE COUNTY--Continued

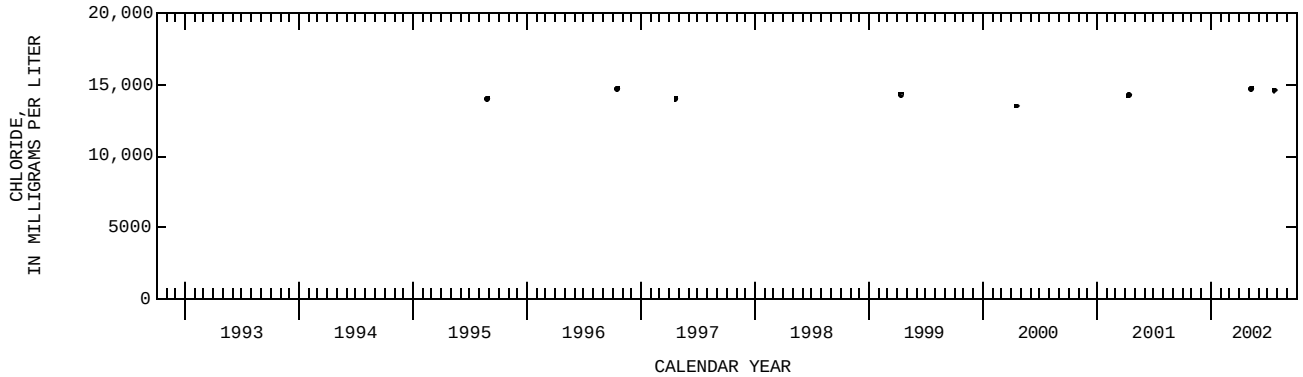
WELL NUMBER.--255626080093201. Local Number G 3600. USGS Observation Well near North Miami Beach, FL.

LOCATION.--Lat 25°56'26", long 80°09'32", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ NW $^{1}/_{4}$ 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Salinity monitoring began in August 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, 0.29 ft below NGVD, May 10, 2002.

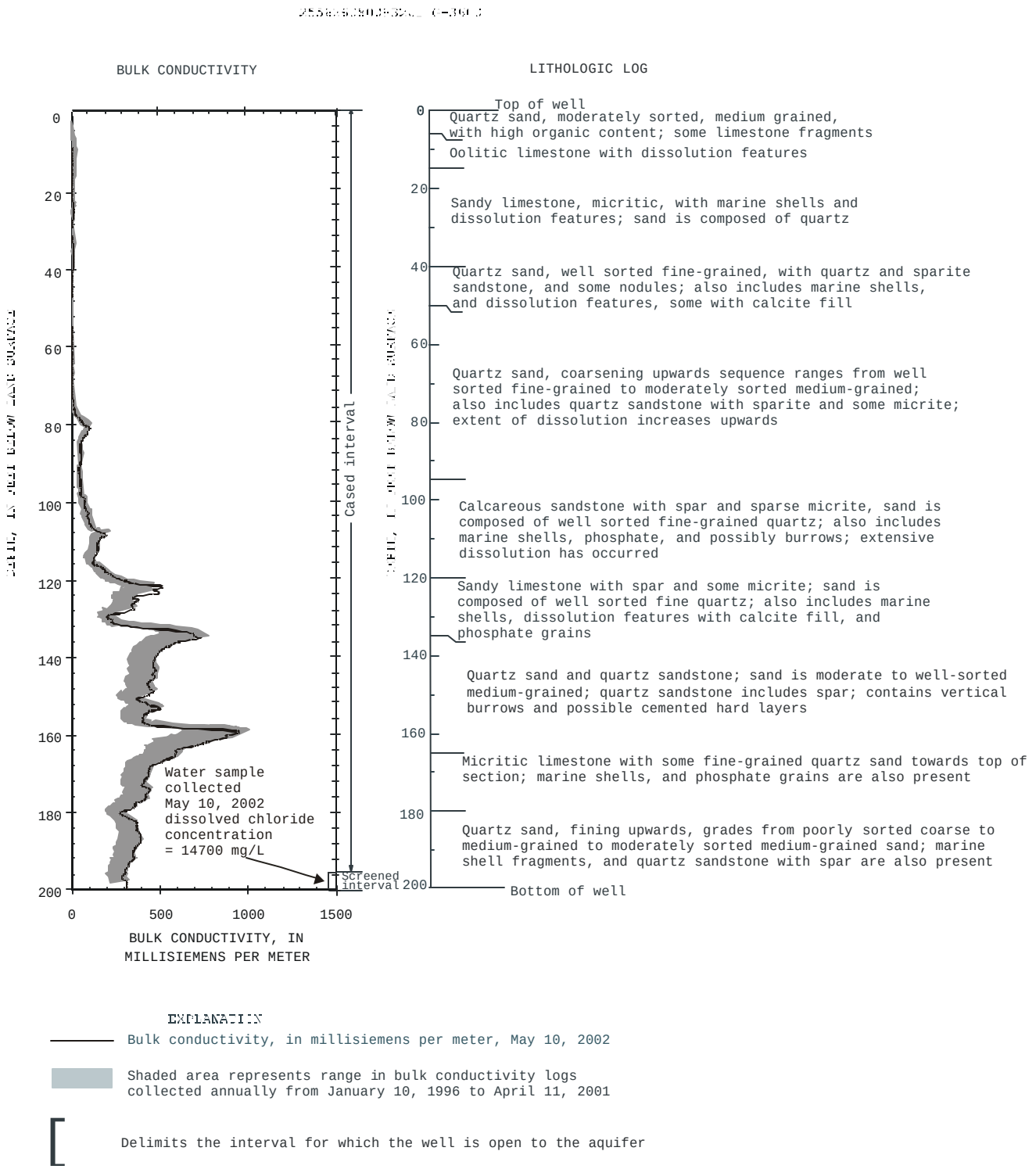
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
17...	1255	--	--	.73
JAN				
16...	0800	--	--	.29
MAY				
10...	0942	39400	14700	-.29
JUL				
22...	0735	39500	14600	.36





WELL NUMBER.--255626080093201. Local Number G 3600. USGS Observation Well near North Miami Beach, FL.



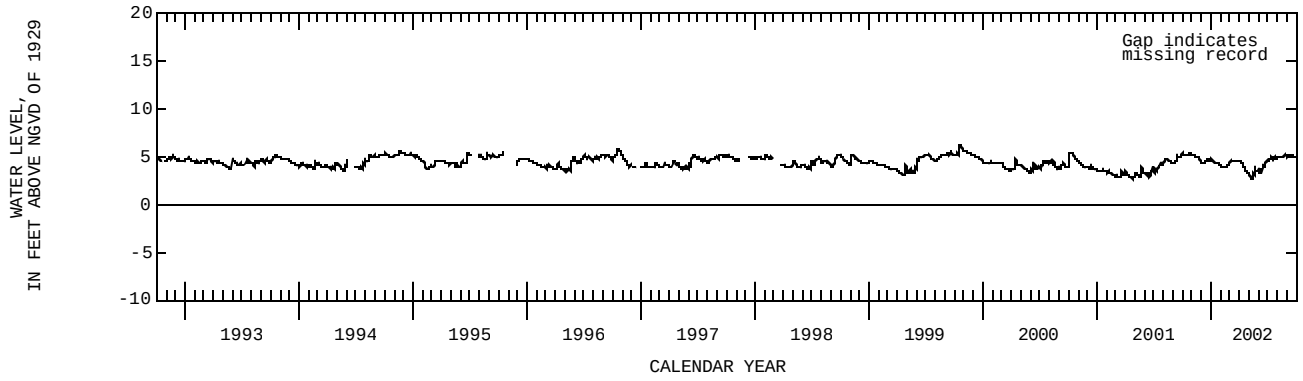
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--255707080255001. Local Number G 1637. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°57'07", long 80°25'50", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.23	5.24	4.36	4.60	3.98	4.50	4.54	2.95	3.37	4.65	4.99	5.26
10	5.17	5.08	4.37	4.45	3.96	4.53	4.37	2.68	3.51	4.82	5.04	5.08
15	5.09	5.02	4.60	4.42	3.99	4.61	4.03	2.72	4.23	4.84	5.02	5.20
20	5.14	4.92	4.68	4.37	3.93	4.63	3.66	3.90	4.19	4.87	5.00	5.04
25	5.41	4.67	4.70	4.23	4.18	4.53	3.44	3.43	4.39	4.87	5.03	4.85
EOM	5.24	4.45	4.71	4.06	4.37	4.51	3.16	3.75	4.40	4.87	5.17	---
MAX	5.42	5.24	4.71	4.70	4.37	4.63	4.62	3.90	4.48	4.92	5.20	---



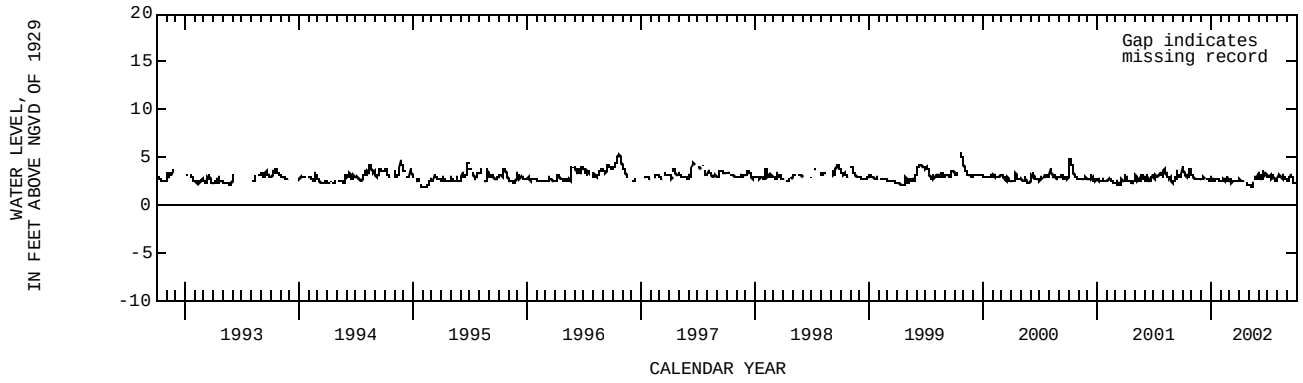
MIAMI-DADE COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.49	3.08	2.75	2.62	2.57	2.52	2.62	2.02	2.70	2.86	2.83	2.85
10	3.18	2.79	2.79	2.62	2.76	2.52	2.56	1.87	2.85	3.12	3.03	2.64
15	3.09	2.75	---	2.67	2.68	2.61	2.55	2.21	3.49	2.91	2.85	2.90
20	3.04	2.78	2.65	2.68	2.40	2.60	---	3.03	3.12	2.86	3.07	2.53
25	3.71	2.77	2.68	2.65	2.42	2.54	2.29	2.77	3.19	2.69	2.85	2.32
EOM	3.12	2.74	2.89	2.60	2.58	2.49	2.14	3.33	2.83	2.68	2.66	2.30
MAX	3.84	3.08	---	2.80	2.92	2.69	---	---	3.49	3.12	3.13	3.09



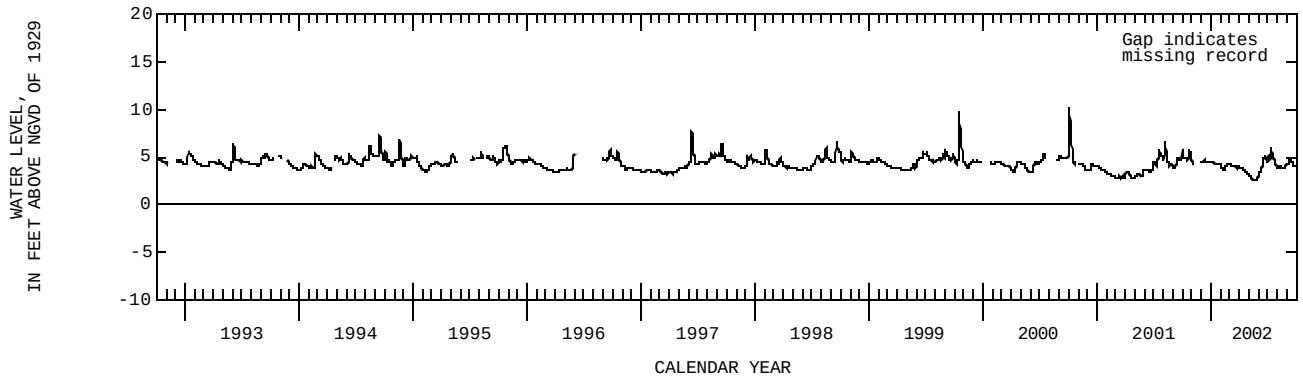
MIAMI-DADE COUNTY--Continued

WELL NUMBER.--263630080264801. Local Number G 1362. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°36'37", long 80°26'47", in NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.93	4.05	4.48	4.45	3.76	4.14	3.89	2.96	3.42	4.85	3.91	4.39
10	4.93	---	4.61	4.37	3.69	4.08	3.79	2.78	3.74	5.83	3.99	4.86
15	4.81	---	4.54	4.34	4.04	4.07	3.63	2.62	4.36	5.25	3.86	4.55
20	4.95	---	4.43	4.28	4.12	4.04	3.45	2.61	4.99	4.81	3.79	4.18
25	5.35	---	4.43	4.25	4.32	4.07	3.30	2.70	4.94	4.47	3.89	4.00
EOM	4.63	4.52	4.43	4.09	4.37	3.97	3.14	2.94	4.48	3.97	4.23	4.11
MAX	5.72	---	4.61	4.45	4.37	4.33	3.94	3.09	5.17	5.96	4.23	4.92



MISCELLANEOUS WATER LEVEL MEASUREMENTS

MIAMI-DADE COUNTY

MULTIPLE STATION ANALYSES

Station number	Local identifier	Latitude	Longitude	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
253202080232601	G -3162	25 31 32 N	080 23 25 W	11-02-01	1500	2540	760	2.70
		25 31 32 N	080 23 25 W	04-26-02	1110	2970	920	1.81
253652080183701	G - 939	25 36 52 N	080 18 37 W	10-16-01	1031	6180	1750	2.37
		25 36 52 N	080 18 37 W	05-01-02	1400	6410	2000	1.35
253819080183201	G -3610	25 38 19 N	080 18 32 W	10-16-01	1057	536	46.0	3.00
		25 38 19 N	080 18 32 W	01-15-02	1038	--	--	2.00
		25 38 19 N	080 18 32 W	05-01-02	1330	564	48.0	1.73
253831080180204	G -3313C	25 38 31 N	080 18 02 W	05-01-02	1300	12100	4100	--
254106080174601	G -1009B	25 41 06 N	080 17 46 W	05-02-02	0930	480	28.0	2.27
254156080172101	G -3607	25 41 56 N	080 17 21 W	10-17-01	0853	554	60.0	2.91
		25 41 56 N	080 17 21 W	01-15-02	1219	578	62.0	2.73
		25 41 56 N	080 17 21 W	05-02-02	0840	623	64.0	2.05
		25 41 56 N	080 17 21 W	07-22-02	1141	611	60.0	2.27
254341080174001	G -3606	25 43 41 N	080 17 40 W	10-17-01	0922	522	36.0	3.56
		25 43 41 N	080 17 40 W	01-15-02	1323	547	38.0	2.51
		25 43 41 N	080 17 40 W	05-01-02	0950	576	38.0	2.11
		25 43 41 N	080 17 40 W	07-22-02	1110	586	34.0	3.51
254457080160301	G -3229	25 44 57 N	080 16 03 W	10-29-01	1033	2280	580	--
		25 44 57 N	080 16 03 W	11-29-01	1308	3260	820	--
		25 44 57 N	080 16 03 W	12-18-01	1254	3260	820	--
		25 44 57 N	080 16 03 W	01-24-02	1439	3130	860	--
		25 44 57 N	080 16 03 W	02-26-02	1826	2960	820	--
		25 44 57 N	080 16 03 W	03-25-02	1420	3070	840	--
		25 44 57 N	080 16 03 W	04-22-02	1620	2970	800	--
		25 44 57 N	080 16 03 W	06-06-02	0901	3030	800	--
		25 44 57 N	080 16 03 W	06-24-02	1117	2470	640	--
		25 44 57 N	080 16 03 W	08-02-02	1314	2640	700	--
		25 44 57 N	080 16 03 W	08-23-02	1120	2490	660	--
		25 44 57 N	080 16 03 W	09-23-02	1116	2710	740	--
254828080161501	G - 354	25 48 28 N	080 16 15 W	10-26-01	0857	620	70.0	2.94
		25 48 28 N	080 16 15 W	01-24-02	1049	605	74.0	1.45
		25 48 28 N	080 16 15 W	04-22-02	0800	587	66.0	1.46
		25 48 28 N	080 16 15 W	08-02-02	1030	568	60.0	2.12
254908080125201	G -3603	25 49 08 N	080 12 52 W	05-01-02	0851	599	54.0	1.57
254923080120201	G -3226	25 49 23 N	080 12 02 W	06-28-02	1200	1030	280	--
255222080123001	G -3224	25 52 22 N	080 12 30 W	10-26-01	1125	602	44.0	--
		25 52 22 N	080 12 30 W	04-22-02	1113	605	44.0	--
		25 52 22 N	080 12 30 W	08-02-02	1155	611	46.0	--
255315080111501	F - 279	25 53 15 N	080 11 15 W	10-26-01	1200	9500	3050	--
		25 53 15 N	080 11 15 W	04-22-02	1155	9320	2950	--
255350080105801	G - 894	25 53 50 N	080 10 58 W	10-26-01	1230	536	30.0	--
		25 53 50 N	080 10 58 W	04-22-02	1300	472	28.0	1.52
		25 53 50 N	080 10 58 W	08-02-02	1218	483	24.0	1.71

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Palm Beach County

Key to site locations on figure # 20

Palm Beach County

Index Number	Site Number	Well Name	Page Number
1	264005080233501	PB 99	585
2	263328080085201	PB 445	579
3	264230080120501	PB 561	588
4	265812080053901	PB 565	598
5	263524080124301	PB 683	581
6	264208080192201	PB 685	587
7	265633080203001	PB 689	597
8	262218080070101	PB 732	566
9	264123080053801	PB 809	586
10	265106080241402	PB 831	593
11	262435080042904	PB 948	569
12	263044080035102	PB 1195	576
13	262317080074601	PB 1491	567
14	263021080070102	PB 1628	575
15	263656080033502	PB 1639	584
16	265233080054001	PB 1642	594
17	262410080090801	PB 1661	568
18	264839080115001	PB 1662	591
19	262209080044702	PB 1669	565
20	262159080054201	PB 1680	564
21	262130080080701	PB 1684	563
22	262033080064001	PB 1686	562
23	262755080040101	PB 1707	572
24	262713080041901	PB 1710	571
25	262803080041101	PB 1714	573
26	263453080031501	PB 1717	580
27	263633080031401	PB 1723	582
28	264643080033401	PB 1726	589
29	264717080033501	PB 1727	590
30	265550080070701	PB 1732	595
31	265611080080201	PB 1733	596
32	264858080044801	PB 1734	592
33	263053080034401	PB 1736	578

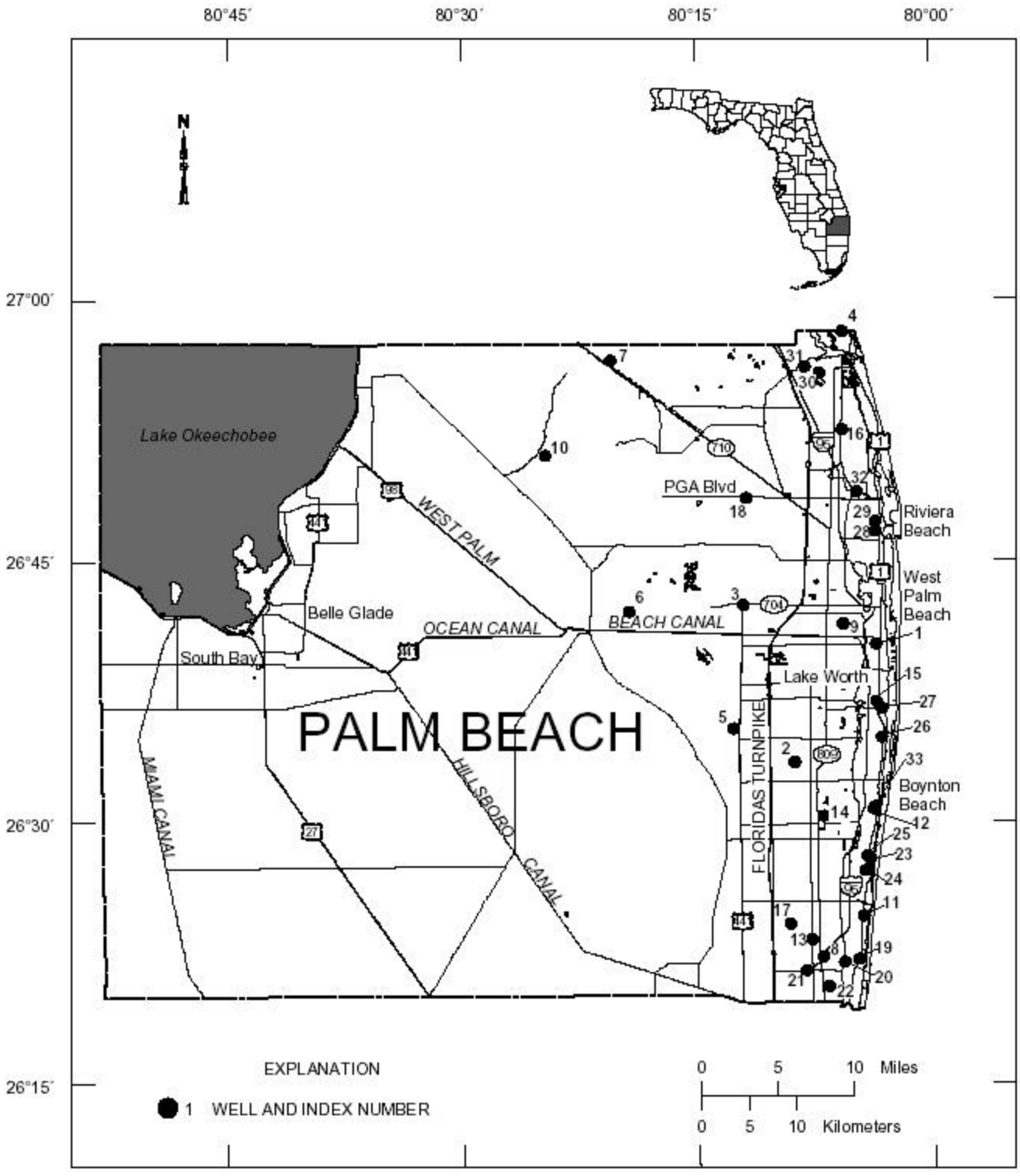


Figure 20: Location of wells in Palm Beach County

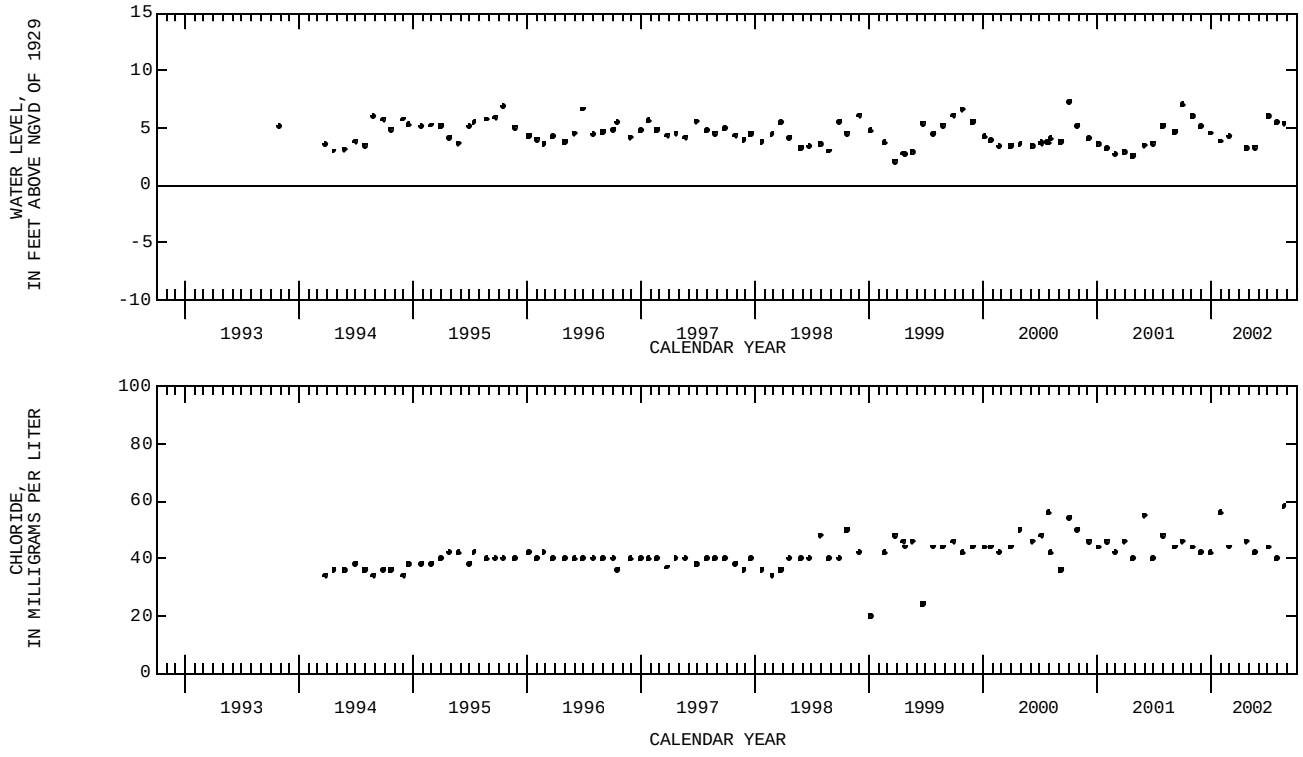
PALM BEACH COUNTY

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 $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Interstate 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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
01...	1825	573	46.0	7.02	23...	1618	533	46.0	3.22
NOV					MAY				
01...	1540	523	44.0	6.03	21...	1440	498	42.0	3.31
29...	1500	578	42.0	5.10	JUL				
DEC					02...	1600	536	44.0	6.04
28...	1425	613	42.0	4.55	30...	1423	537	40.0	5.44
JAN					AUG				
30...	1556	563	56.0	3.84	22...	1538	515	58.0	5.38
MAR									
01...	1059	527	44.0	4.23					



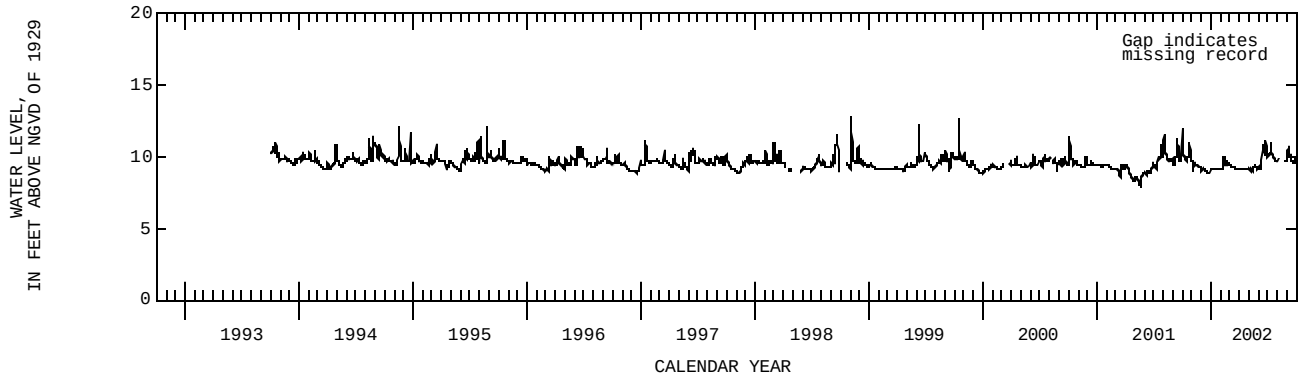
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.08	8.91	9.04	9.17	9.19	9.31	9.13	9.07	9.19	10.04	---	10.61
10	9.84	9.51	9.20	9.16	9.92	9.33	9.12	9.08	9.68	10.91	---	9.93
15	9.67	9.45	9.02	9.12	9.29	9.23	9.21	9.07	10.81	10.19	---	9.83
20	10.13	9.34	8.88	9.10	9.49	9.17	9.15	9.46	9.99	9.95	---	9.61
25	10.38	9.22	8.69	9.09	9.60	9.12	9.16	9.28	11.03	9.73	9.63	9.65
EOM	9.77	9.08	9.05	9.13	9.44	9.13	9.10	9.27	10.02	9.59	9.75	9.67
MAX	10.99	9.70	9.21	9.17	9.92	9.41	9.21	9.46	11.03	10.92	---	10.68



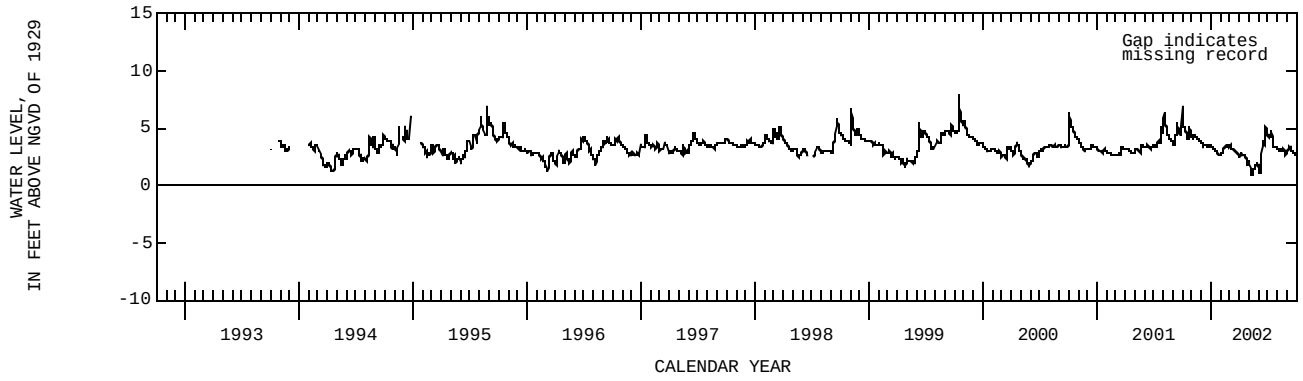
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Interstate 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, 0.94 ft NGVD, present datum, May 11, 14, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.18	4.13	3.60	3.34	2.82	3.26	2.72	1.51	1.06	4.38	3.07	3.31
10	4.86	4.31	3.55	3.16	3.26	3.16	2.48	0.99	2.49	4.64	3.02	3.27
15	4.30	4.28	3.47	2.98	3.18	3.01	2.66	1.21	3.74	4.17	3.06	3.07
20	4.49	4.06	3.41	2.84	3.36	2.94	2.51	1.54	3.46	3.39	3.11	2.93
25	4.71	3.90	3.40	2.72	3.46	2.90	2.04	1.78	5.17	3.28	2.82	2.82
EOM	4.22	3.64	3.44	2.78	3.44	2.44	1.92	1.56	4.38	3.16	2.88	2.72
MAX	6.16	4.38	3.67	3.44	3.49	3.45	2.80	2.05	5.17	4.66	3.24	3.36



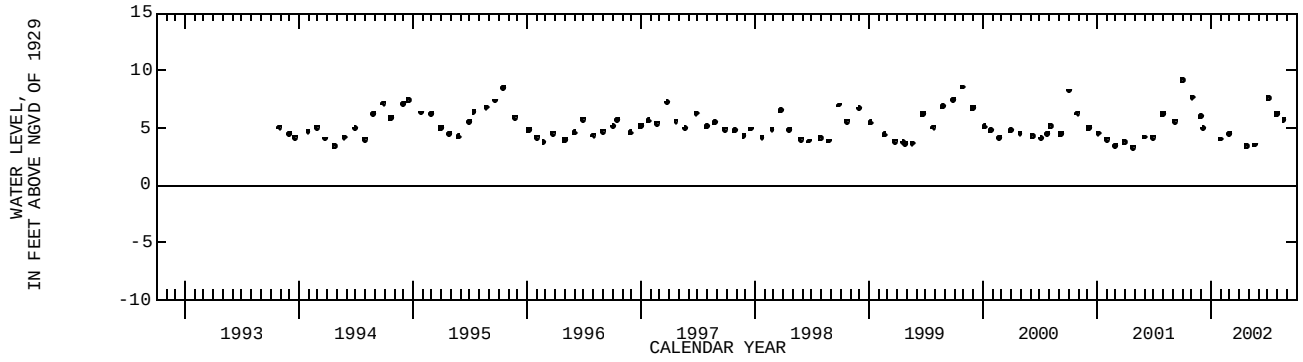
PALM BEACH COUNTY--Continued

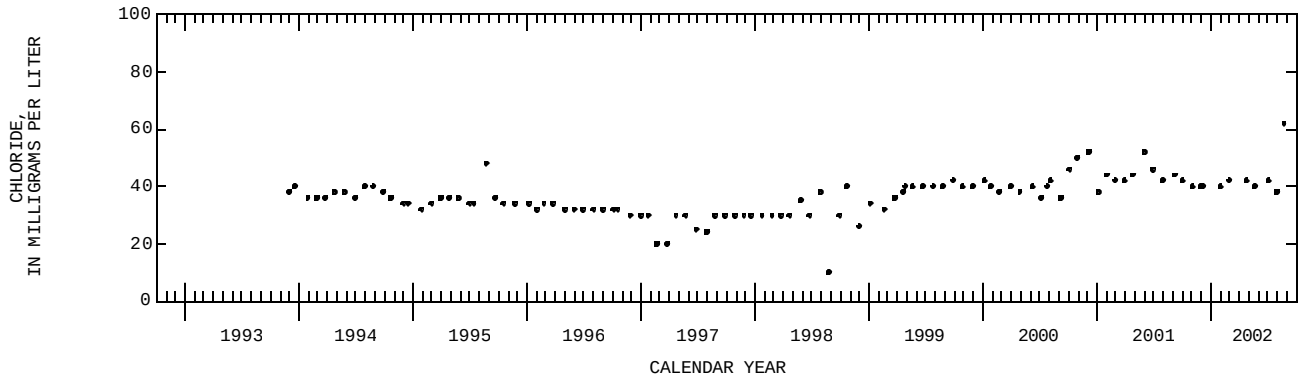
WELL NUMBER.--262209080044702. Local Number PB 1669. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°22'09", long 80°04'47", in NW $^{1}/_{4}$ SW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 U.S. Highway 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, 9.17 ft NGVD, Oct. 1, 2001; lowest, 3.31 ft NGVD, Apr. 26, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
01...	1754	528	42.0	9.17	23...	1520	463	42.0	3.44
NOV					MAY				
01...	1406	492	40.0	7.65	21...	1401	427	40.0	3.50
29...	1400	541	40.0	5.97	JUL				
DEC					02...	1345	477	42.0	7.58
08...	1336	563	40.0	4.93	30...	1354	469	38.0	6.18
JAN					AUG				
30...	1517	479	40.0	4.02	22...	1300	460	62.0	5.67
MAR									
01...	1028	506	42.0	4.47					





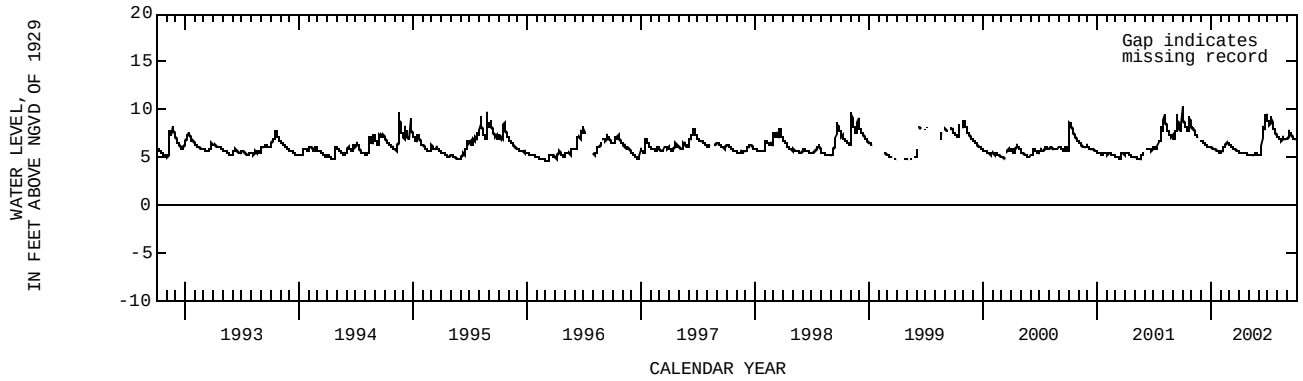
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ 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, 2 in. from 19 to 100 ft, depth 100 ft, cased to 100 ft, open end. (Corrected).
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.76	7.89	6.55	5.97	5.60	6.11	5.51	5.28	5.24	8.53	7.10	7.67
10	8.35	7.54	6.46	5.89	6.03	6.02	5.46	5.21	6.07	9.07	6.91	7.43
15	7.90	7.32	6.30	5.80	6.10	5.94	5.43	5.14	7.80	8.67	6.81	7.32
20	8.36	7.08	6.18	5.70	6.41	5.82	5.38	5.36	7.72	7.98	7.06	7.04
25	8.79	---	6.07	5.61	6.41	5.70	5.36	5.42	9.38	7.59	6.74	6.85
EOM	8.12	6.70	6.01	5.52	6.30	5.57	5.34	5.31	8.75	7.20	6.93	6.86
MAX	9.58	---	6.68	6.03	6.43	6.26	5.55	5.43	9.44	9.23	7.16	7.77



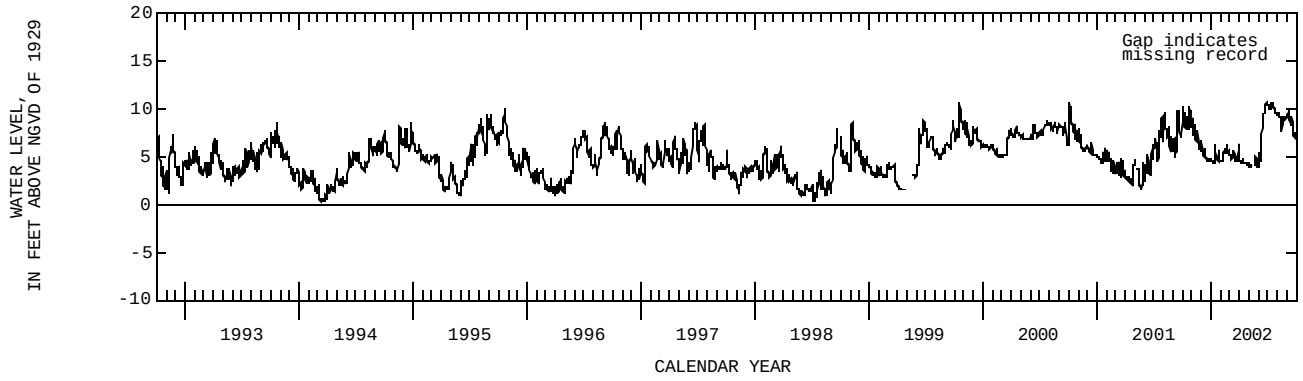
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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. Prior to March 7, 2002, electronic data logger.
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, 10.72 ft NGVD, July 13, 14, 2002; lowest, 3.04 ft below NGVD, Apr. 14, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.33	8.64	5.36	4.55	4.60	5.07	4.41	4.03	4.82	10.17	9.59	9.87
10	9.56	7.17	4.93	4.34	5.30	4.87	4.31	4.06	5.43	10.13	9.20	8.70
15	9.01	7.64	4.84	5.42	5.17	5.20	4.39	4.24	8.80	10.65	7.52	9.22
20	7.71	6.52	4.67	4.75	5.77	4.59	4.44	3.97	---	10.24	9.21	7.37
25	9.63	5.88	4.68	4.86	5.51	4.47	4.17	4.73	10.41	9.72	9.08	7.59
EOM	7.98	6.61	4.67	4.46	5.28	4.95	4.15	3.95	10.39	9.25	9.15	6.96
MAX	10.20	8.97	6.34	6.27	6.25	6.18	4.78	---	---	10.72	9.59	9.87



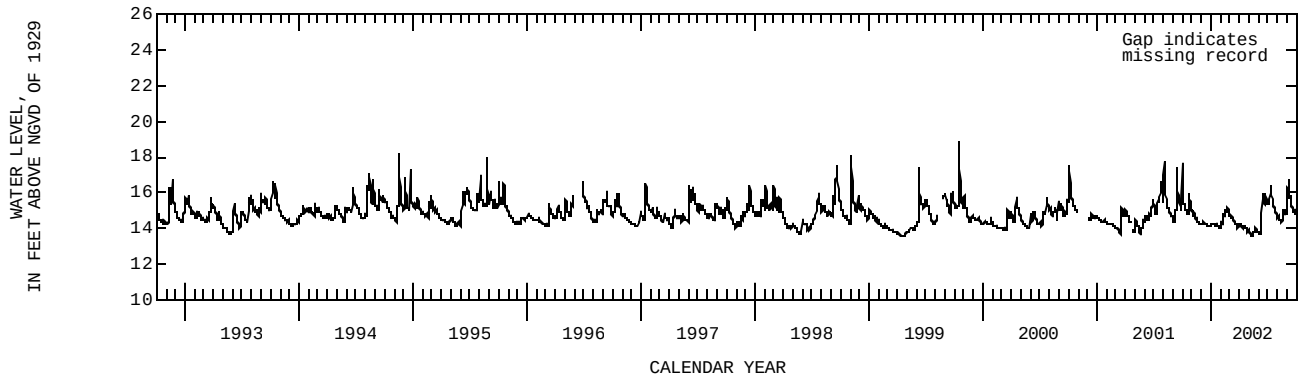
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.43	14.89	14.30	14.26	14.27	14.48	14.27	13.75	13.76	15.53	14.71	16.67
10	15.19	14.66	14.27	14.22	14.87	14.51	14.08	13.65	14.46	16.38	14.48	15.64
15	14.85	14.51	14.23	14.20	14.64	14.42	14.18	13.58	15.90	15.64	14.41	15.38
20	14.80	14.39	14.15	14.26	14.84	14.31	14.06	14.03	15.38	15.23	15.03	15.07
25	15.48	14.31	14.14	14.11	15.01	14.12	13.96	13.98	15.78	14.96	14.86	14.98
EOM	15.02	14.23	14.30	14.20	14.78	14.06	13.85	13.86	15.40	14.71	14.87	14.77
MAX	16.27	14.91	14.37	14.32	15.11	14.75	14.28	14.07	15.98	16.38	15.03	16.67



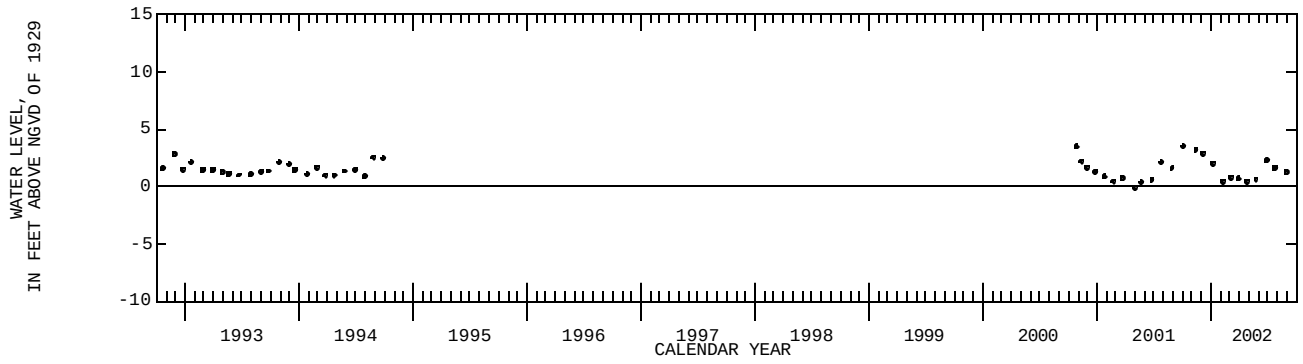
PALM BEACH COUNTY--Continued

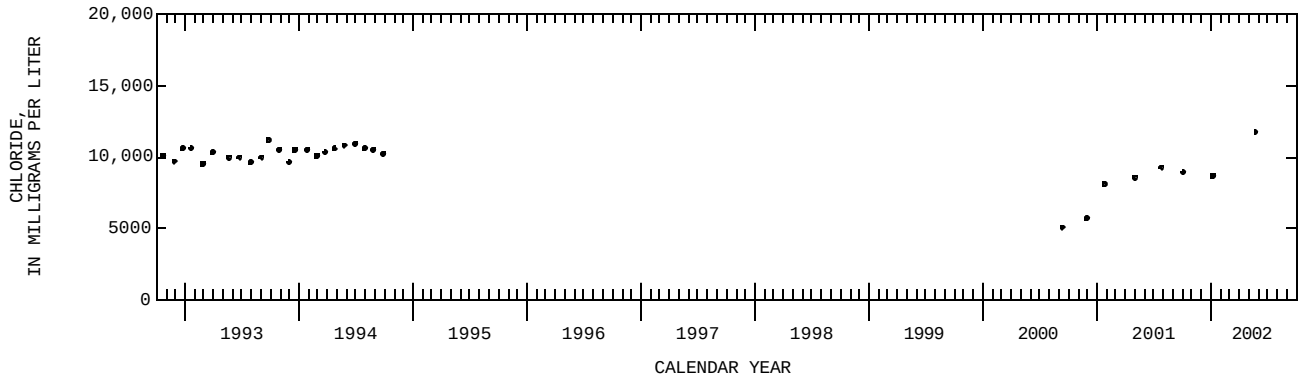
WELL NUMBER.--262435080042904. Local Number PB 948. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°24'38", long 80°04'28", in SW $^1/_4$ SE $^1/_4$ SE $^1/_4$ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, at the Highland Beach water plant, about 570 ft east of U.S. Highway 1 and 800 ft north of Coventry Street. (Corrected).
AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.
WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 175 ft, cased to 170 ft, screened 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier.
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	0913	25300	8900	3.45
NOV				
13...	0900	--	--	3.15
DEC				
06...	0900	--	--	2.89
JAN				
07...	0900	22900	8700	2.00
FEB				
07...	1413	--	--	.43
MAR				
06...	1505	--	--	.77
28...	1301	--	--	.67
APR				
26...	0945	--	--	.46
MAY				
24...	1303	30600	11700	.62
JUN				
28...	1420	--	--	2.23
JUL				
24...	0930	--	--	1.63
AUG				
30...	1430	--	--	1.25



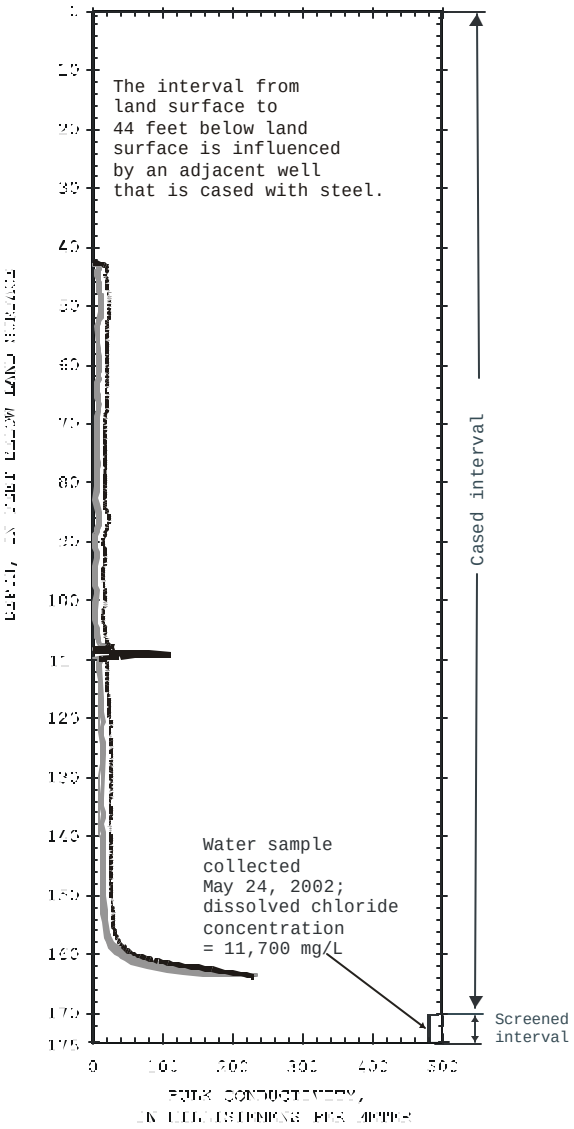


PALM BEACH COUNTY--Continued

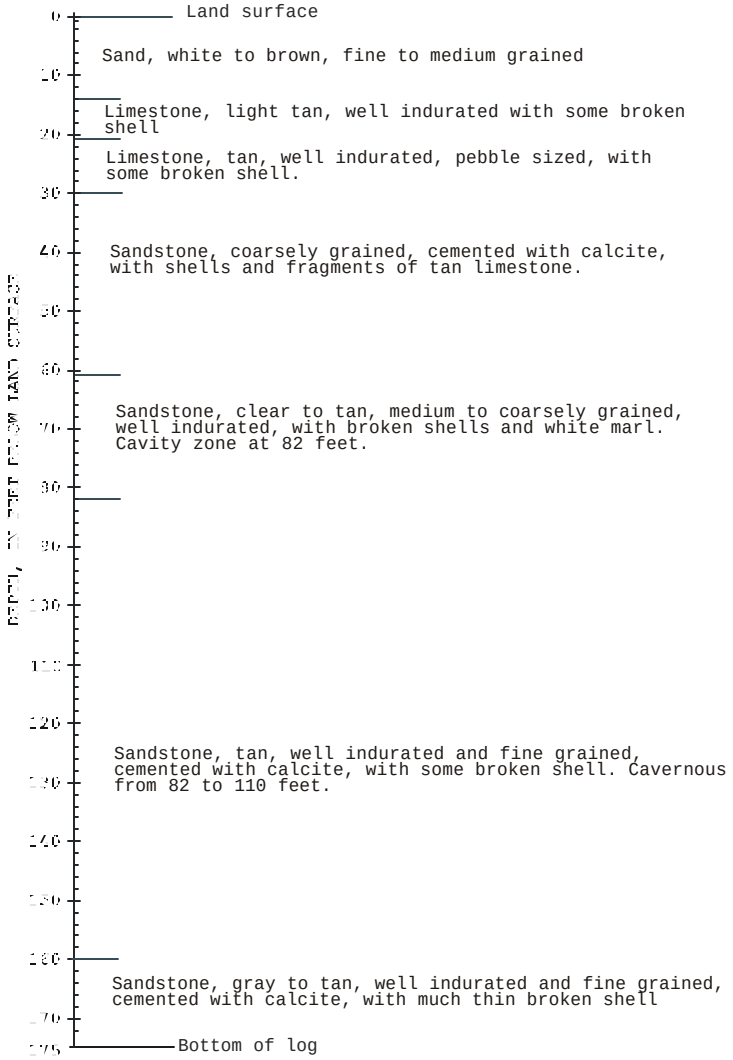
WELL NUMBER.--262435080042904. Local Number PB 948. USGS Observation Well in Boca Raton, FL.

262435080042904 PB-948

BULK CONDUCTIVITY



LITHOLOGIC LOG



EXPLANATION

Bulk conductivity, in millisiemens per meter, May 24, 2002

Shaded area represents range in bulk conductivity logs collected September 21, 2000 and May 1, 2001

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

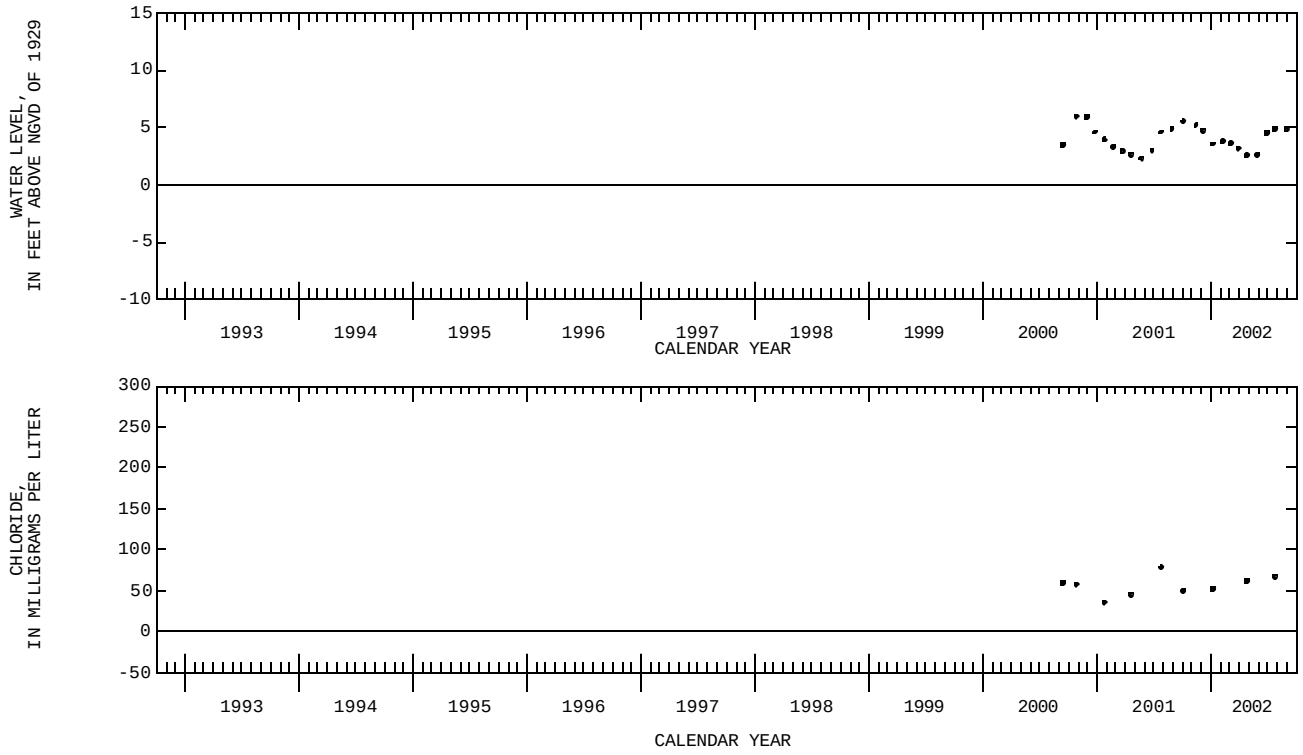
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ 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 U.S. Highway 1. (Corrected).
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 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1005	600	50.0	5.50
NOV				
13...	1015	--	--	5.15
DEC				
06...	1020	--	--	4.75
JAN				
07...	0950	620	52.0	3.55
FEB				
07...	1355	--	--	3.74
MAR				
06...	1426	--	--	3.60
28...	1242	--	--	3.16
APR				
26...	0845	733	62.0	2.56
MAY				
30...	1245	--	--	2.61
JUN				
28...	1338	--	--	4.54
JUL				
23...	1904	725	68.0	4.88
AUG				
30...	1358	--	--	4.87



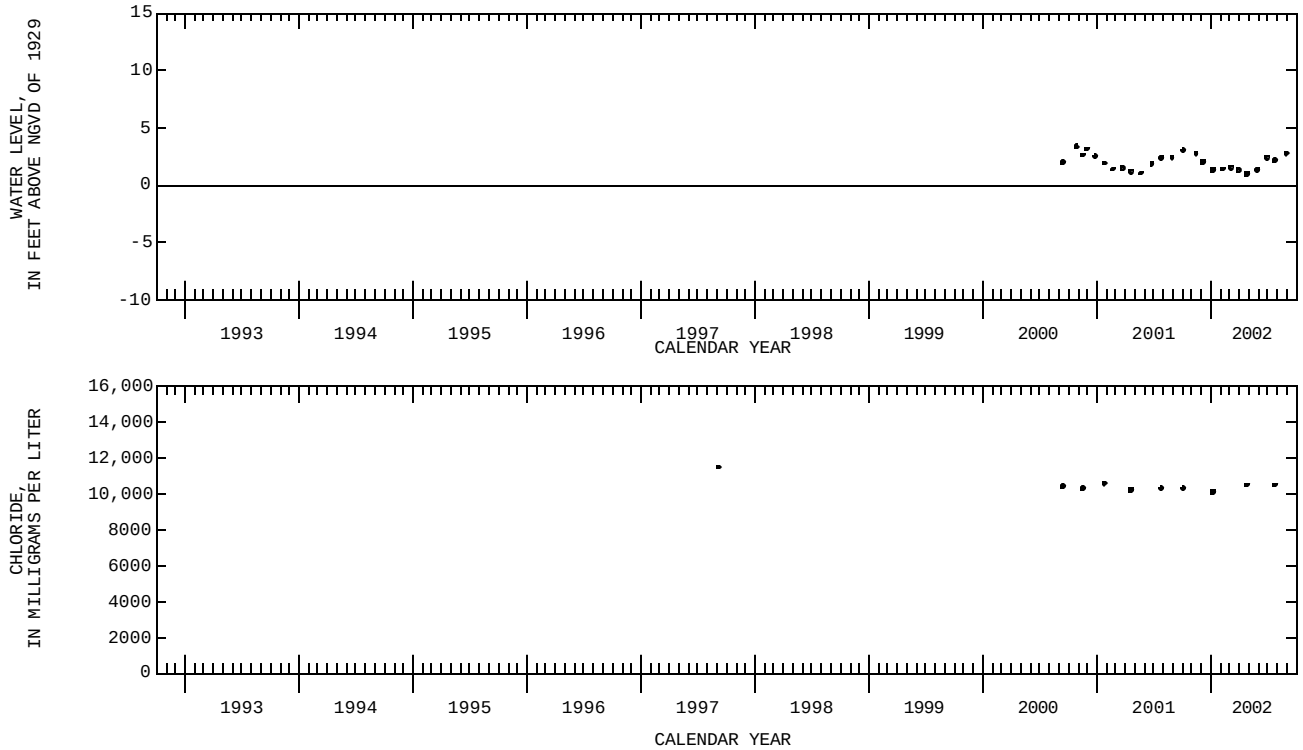
PALM BEACH COUNTY--Continued

WELL NUMBER.--262755080040101. Local Number PB 1707. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°27'55", long 80°04'01", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.16, T.46 S., R.43 E., Hydrologic Unit 03090202, on NE 6th Avenue, 1 block east of U.S. Highway 1, on south side of NE 2nd Street. (Corrected).
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, 0.98 ft NGVD, Apr. 25, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	0945	30000	10300	3.00
NOV				
13...	0958	--	--	2.76
DEC				
06...	1000	--	--	2.00
JAN				
07...	0930	31600	10100	1.32
FEB				
07...	1334	--	--	1.40
MAR				
06...	1410	--	--	1.56
28...	1229	--	--	1.30
APR				
25...	1850	28800	10500	.98
MAY				
30...	1235	--	--	1.33
JUN				
28...	1323	--	--	2.44
JUL				
23...	1830	27800	10500	2.15
AUG				
30...	1345	--	--	2.75



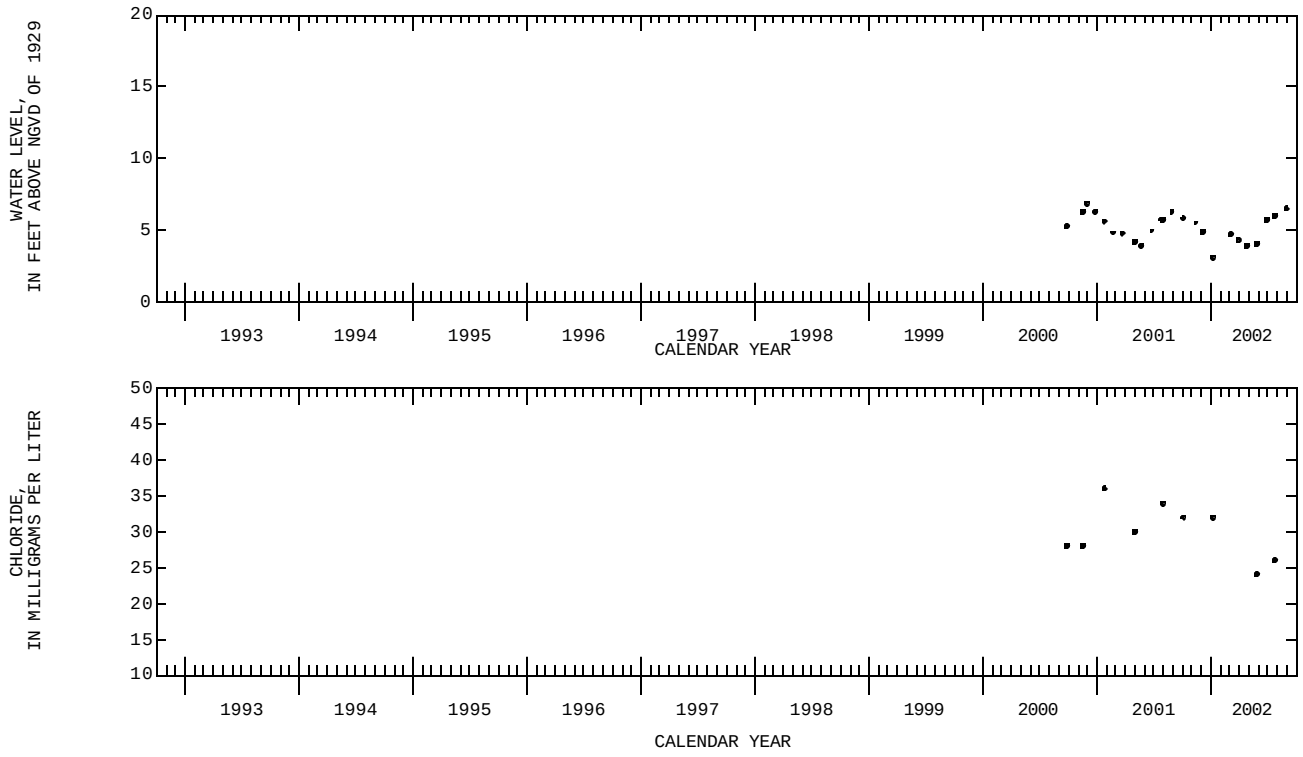
PALM BEACH COUNTY--Continued

WELL NUMBER.--262803080041101. Local Number PB 1714. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°27'56", long 80°04'12", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 U.S. Highway 1. (Corrected).
AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.
WELL CHARACTERISTICS.--Drilled, observation 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the water year 2002 had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier.
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, 3.10 ft NGVD, Jan. 7, 2002.

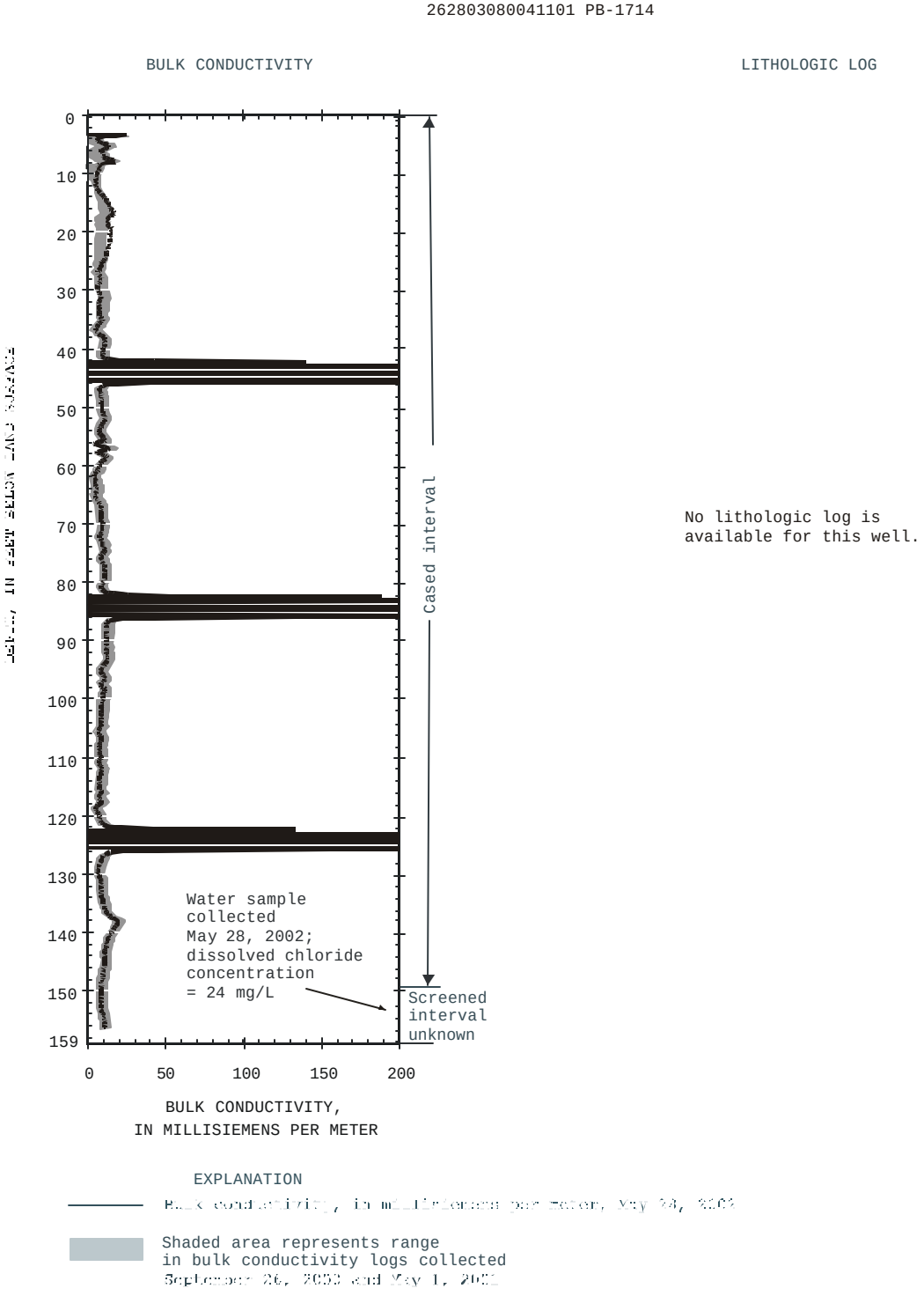
WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
05...	1225	500	32.0	5.80	26...	0830	--	--	3.89
NOV					MAY				
13...	1240	--	--	5.50	28...	1215	483	24.0	4.03
DEC					JUN				
06...	1300	--	--	4.87	28...	1311	--	--	5.68
JAN					JUL				
07...	1205	528	32.0	3.10	23...	1759	475	26.0	5.99
MAR					AUG				
06...	1346	--	--	4.67	30...	1335	--	--	6.51
28...	1223	--	--	4.30					



PALM BEACH COUNTY--Continued

WELL NUMBER.--262803080041101. Local Number PB 1714. USGS Observation Well near Delray Beach, FL.



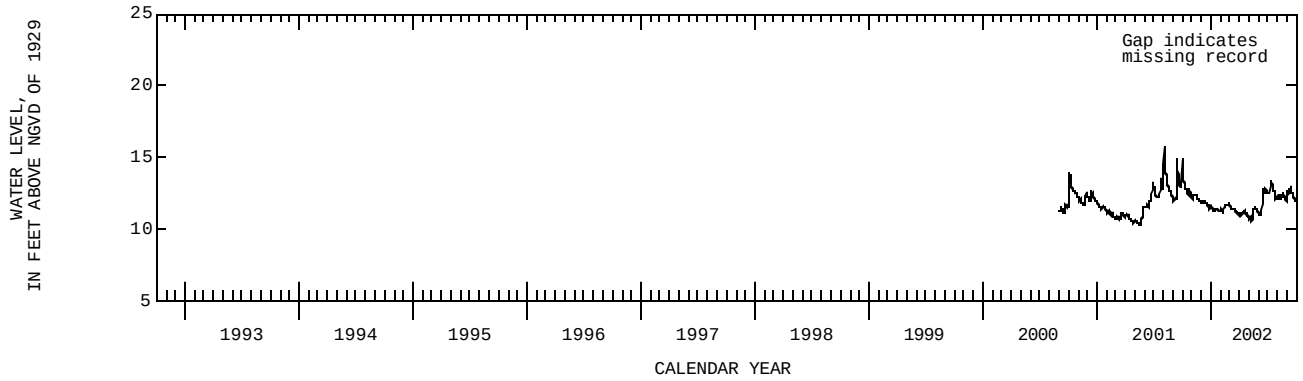
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.36, T.45 S., R.42 E., Hydrologic Unit 03090202, 33 ft north of Golf Road, 0.4 mi east of Military Trail, 0.38 mi south of Woolbright Road and 3.15 mi west of U.S. Interstate 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.34	12.31	11.82	11.42	11.32	11.54	11.09	10.79	11.05	12.43	12.12	12.64
10	12.94	12.35	11.88	11.32	11.33	11.35	11.07	10.69	11.09	12.88	12.06	12.56
15	12.59	12.32	11.78	11.39	11.54	11.39	11.17	10.64	12.70	13.07	12.30	12.65
20	12.34	12.12	11.71	11.36	11.57	11.27	11.07	11.45	12.47	12.65	12.37	12.31
25	12.48	12.02	11.60	11.32	11.79	11.05	11.12	11.38	12.75	12.41	12.15	12.07
EOM	12.30	11.92	11.36	11.25	11.65	11.03	10.89	11.19	12.51	12.14	12.15	11.95
MAX	14.28	12.40	11.94	11.48	11.79	11.67	11.24	11.51	12.75	13.37	12.54	12.87



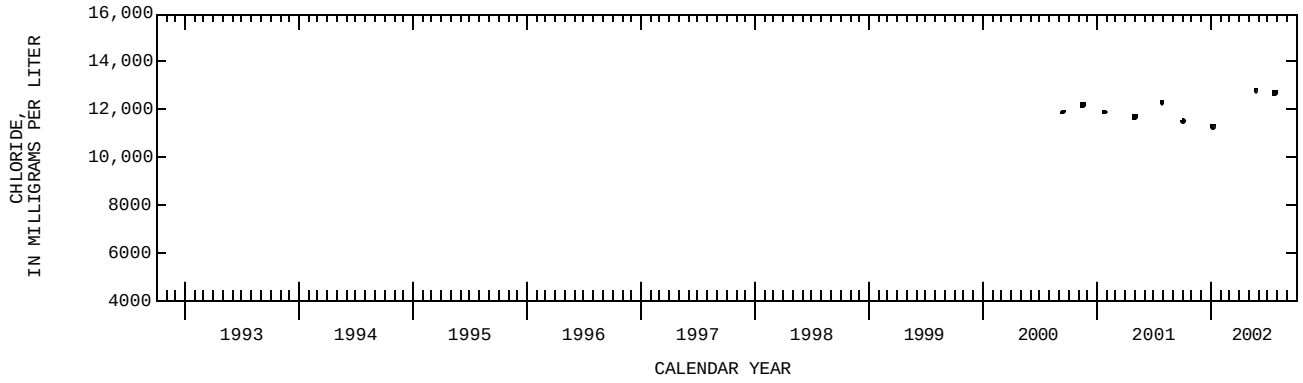
PALM BEACH COUNTY--Continued

WELL NUMBER.--263044080035102. Local Number PB 1195. USGS Observation Well in Boynton Beach, FL.

LOCATION.--Lat 26°30'47", long 80°03'47", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.33, T.45 S., R.43 E., Hydrologic Unit 03090202, about 500 ft southwest of the intersection of the Florida East Coast Railroad and East Woolbright Road, 0.5 mi east of U.S. Interstate 95, about 400 ft south of East Woolbright Road and about 350 ft east of Seacreast Boulevard. (Corrected).
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.--Monthly measurement with chalked tape. (Corrected).
DATUM.--Land-surface datum is 18.99 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.14 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 THE RECORDS SECTION, RECORDS OF BULK CONDUCTIVITY in the front of this book. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the water year 2002 had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier. Records of water-level prior to October 2001, are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--September 2000 to October 2000 (quarterly), October 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.24 ft NGVD, Jan. 7, 2002; lowest, 1.79 ft below NGVD, Sept. 15, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

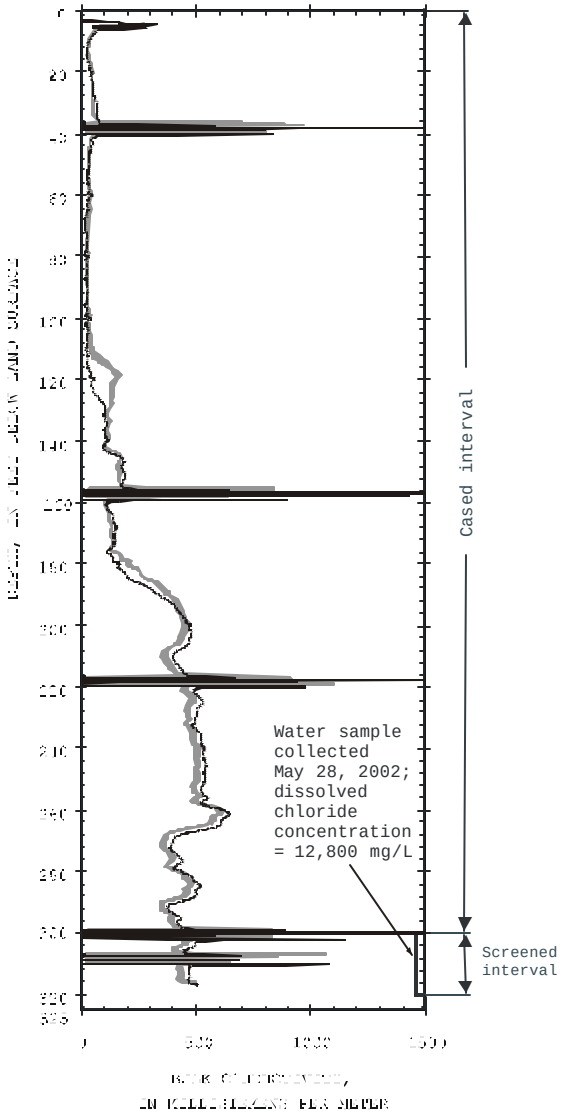
Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT				APR			
05...	1100	34000	11500	25...	1541	--	--
NOV				MAY			
13...	1115	--	--	24...	1030	34200	12800
DEC				JUN			
06...	1110	--	--	28...	1243	--	--
JAN				JUL			
07...	1040	32600	11300	23...	1650	34800	12700
FEB				AUG			
07...	1317	--	--	30...	1255	--	--
MAR							
06...	1322	--	--				
28...	1146	--	--				



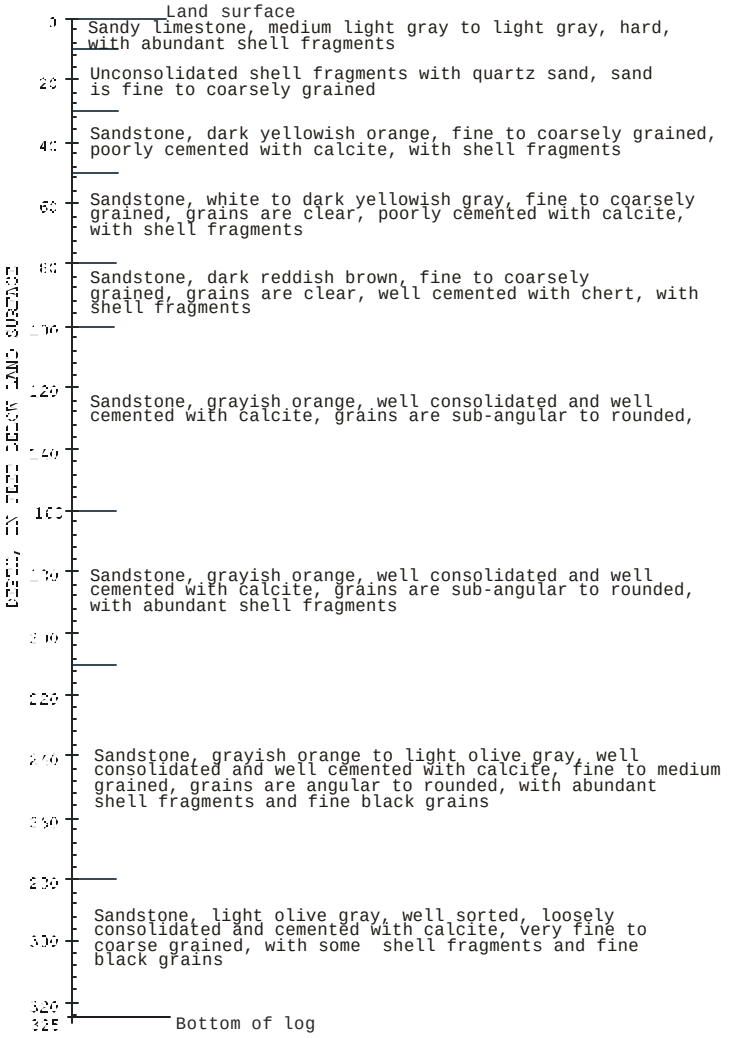
WELL NUMBER.--263044080035102. Local Number PB 1195. USGS Observation Well in Boynton Beach, FL.

263044080035102 PB-1195

BULK CONDUCTIVITY



LITHOLOGIC LOG



Modified from CH2MHILL Southeast, Inc. (1993, Appendix C.)
The location of the well from which the lithology is described in the report is 25 feet to the north of PB-1195.

EXPLANATION

Bulk conductivity, in millisiemens per meter, May 24, 2002

Shaded area represents range in bulk conductivity logs collected September 15, 2000 and May 1, 2002

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

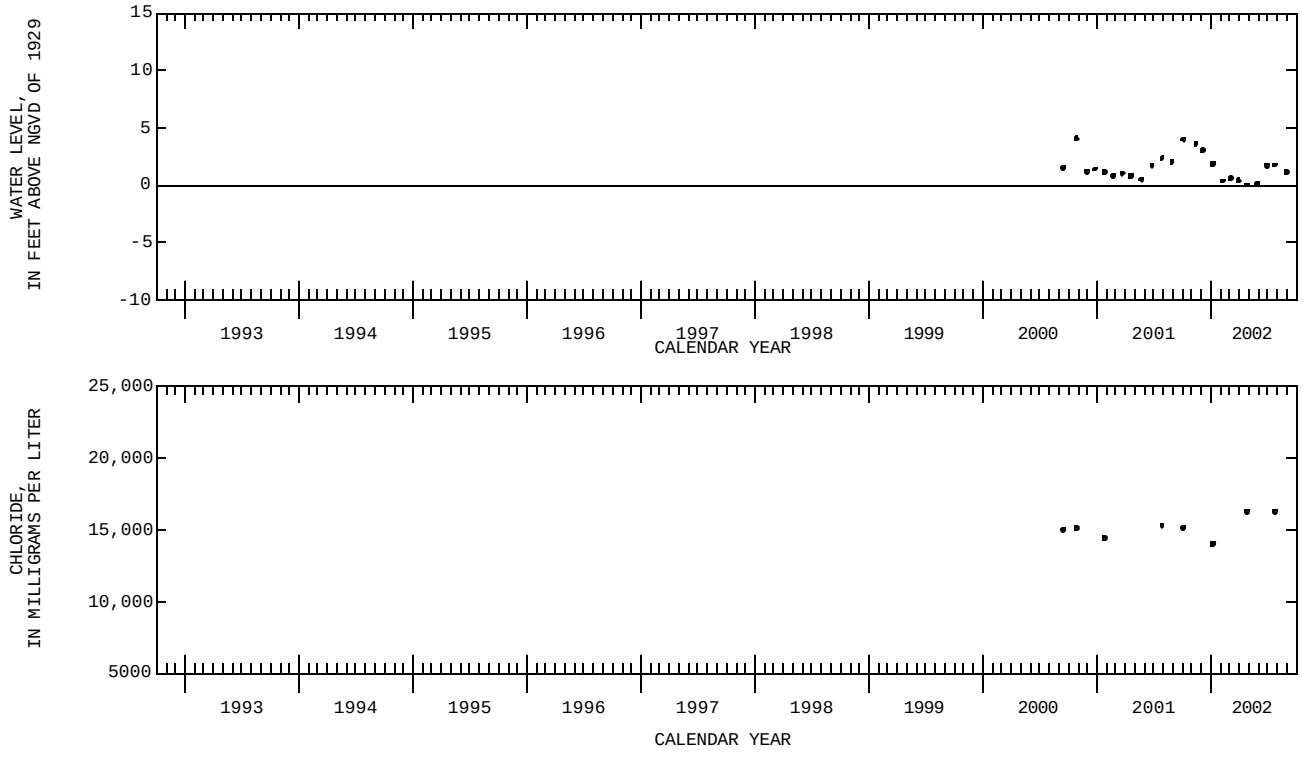
PALM BEACH COUNTY--Continued

WELL NUMBER.--263053080034401. Local Number PB 1736. USGS Observation Well near Boynton Beach, FL.

LOCATION.--Lat 26°30'53", long 80°03'36", in NE $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.33, T.45 S., R.43 E., Hydrologic Unit 03090202, on SE 15th Avenue and U.S. Highway 1, on sidewalk at southwest corner, 80 ft east of entrance to mall parking lot. (Corrected).
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, 0.01 ft NGVD, Apr. 25, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1035	45000	15100	3.98
NOV				
13...	1037	--	--	3.61
DEC				
06...	1042	--	--	3.00
JAN				
07...	1020	38800	14000	1.87
FEB				
07...	1308	--	--	.36
MAR				
06...	1250	--	--	.58
28...	1159	--	--	.38
APR				
25...	1821	43900	16300	.01
MAY				
30...	1120	--	--	.07
JUN				
28...	1256	--	--	1.73
JUL				
23...	1715	42100	16300	1.75
AUG				
30...	1310	--	--	1.14



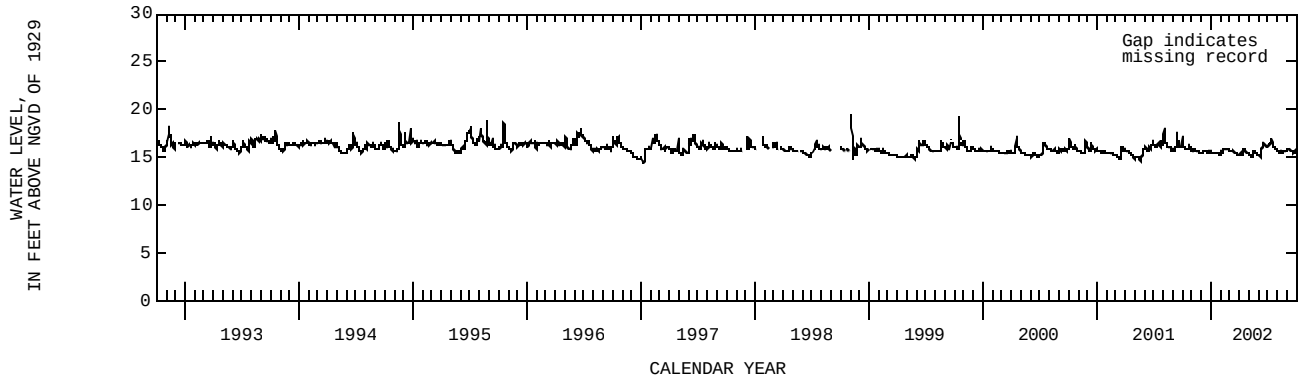
PALM BEACH COUNTY--Continued

WELL NUMBER.--263328080085201. Local Number PB 445. USGS Observation Well near Lantana, FL.

LOCATION.--Lat 26°33'28", long 80°08'49", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ 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 (State Road 809), 9.5 mi southwest of West Palm Beach. (Corrected).
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, Nov. 5, 1998; lowest, 13.84 ft NGVD, Sept. 25, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.19	15.80	15.51	15.49	15.48	15.61	15.48	15.18	15.17	16.14	15.71	15.80
10	15.98	15.69	15.62	15.51	15.86	15.56	15.27	15.07	15.68	16.60	15.54	15.80
15	15.78	15.63	15.61	15.47	15.72	15.56	15.88	14.97	16.49	16.53	15.52	15.68
20	15.77	15.58	15.51	15.43	15.75	15.51	15.68	15.63	16.10	16.06	15.64	15.55
25	16.01	15.55	15.47	15.36	15.89	15.37	15.48	15.43	16.20	15.90	15.63	15.67
EOM	15.73	15.50	15.69	15.33	15.71	15.30	15.31	15.31	16.07	15.64	15.69	15.51
MAX	16.55	15.82	15.75	15.66	15.96	15.71	15.88	15.63	16.49	16.85	15.72	15.89



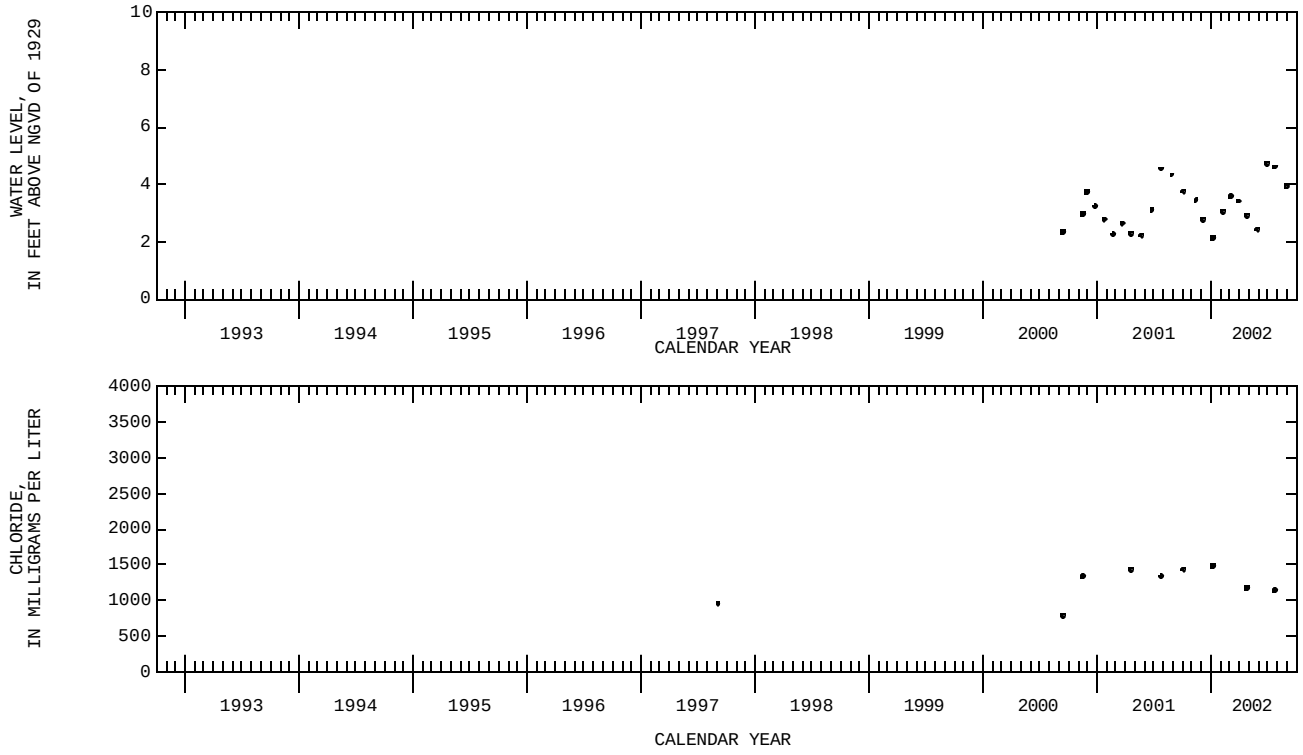
PALM BEACH COUNTY--Continued

WELL NUMBER.--263453080031501. Local Number PB 1717. USGS Observation Well near Lantana, FL.

LOCATION.--Lat 26°34'53", long 80°03'15", in SE $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.3, T.45 S., R.43 E., Hydrologic Unit 03090202, on southside of Wickline Road west of U.S. Highway 1, in planter in northeast corner of apartment building #330 parking lot, well is most western of two wells. (Corrected).
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 is 13.26 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 2001, are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--September 1997 to September 2000 (intermittent), October 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.73 ft NGVD, June 28, 2002; lowest, 2.12 ft NGVD, Jan. 7, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
05...	1130	4500	1440	3.76	25...	1511	3880	1180	2.92
NOV					MAY				
13...	1145	--	--	3.43	30...	1102	--	--	2.43
DEC					JUN				
06...	1140	--	--	2.79	28...	1148	--	--	4.73
JAN					JUL				
07...	1115	4650	1480	2.12	23...	1512	3680	1140	4.61
FEB					AUG				
07...	1248	--	--	3.07	30...	1205	--	--	3.95
MAR									
06...	1207	--	--	3.58					
28...	1113	--	--	3.42					



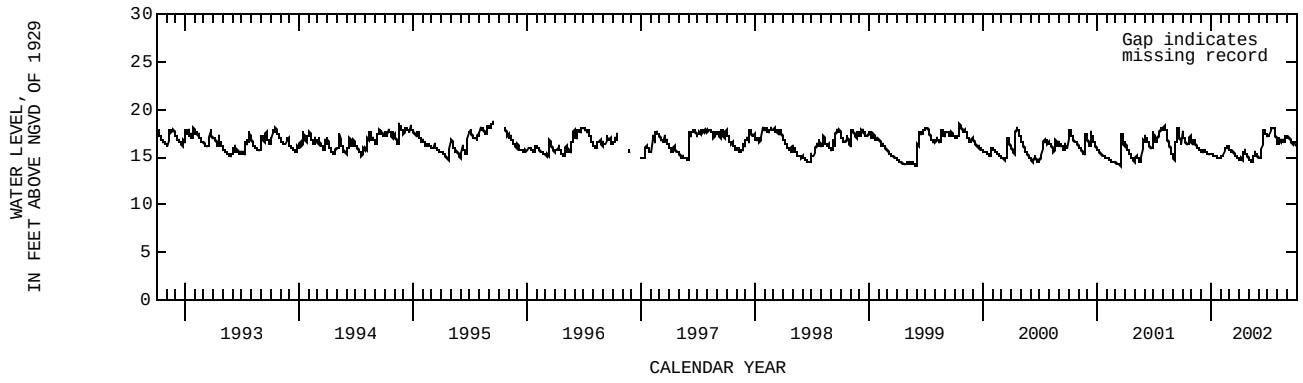
PALM BEACH COUNTY--Continued

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 SE $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.37, T.44 $^{1}/_{2}$ S., R.41 E., Hydrologic Unit 03090202, 0.3 mi west of U.S. Highway 441, south of Lantana Road near TV tower, and 11 mi southwest of West Palm Beach. (Corrected).
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. Corrected records are in the files of the U.S. Geological Survey. 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, May 5-8, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.07	16.76	15.45	15.20	15.03	15.61	14.96	14.74	14.90	17.00	16.87	16.80
10	16.70	16.43	15.79	15.10	15.20	15.49	14.77	14.58	15.26	17.74	16.66	16.96
15	16.15	16.10	15.57	15.04	15.66	15.42	15.51	14.43	16.73	17.96	16.60	16.56
20	16.18	15.97	15.38	14.98	15.91	15.20	15.57	15.48	17.68	18.06	16.64	16.54
25	17.20	15.77	15.20	14.91	16.17	15.01	15.20	15.30	17.52	17.68	17.19	16.57
EOM	16.54	15.58	15.27	14.82	15.93	14.83	14.93	15.00	17.06	16.57	17.09	16.26
MAX	17.69	16.86	15.79	15.26	16.18	15.83	15.65	15.49	17.78	18.06	17.23	17.09



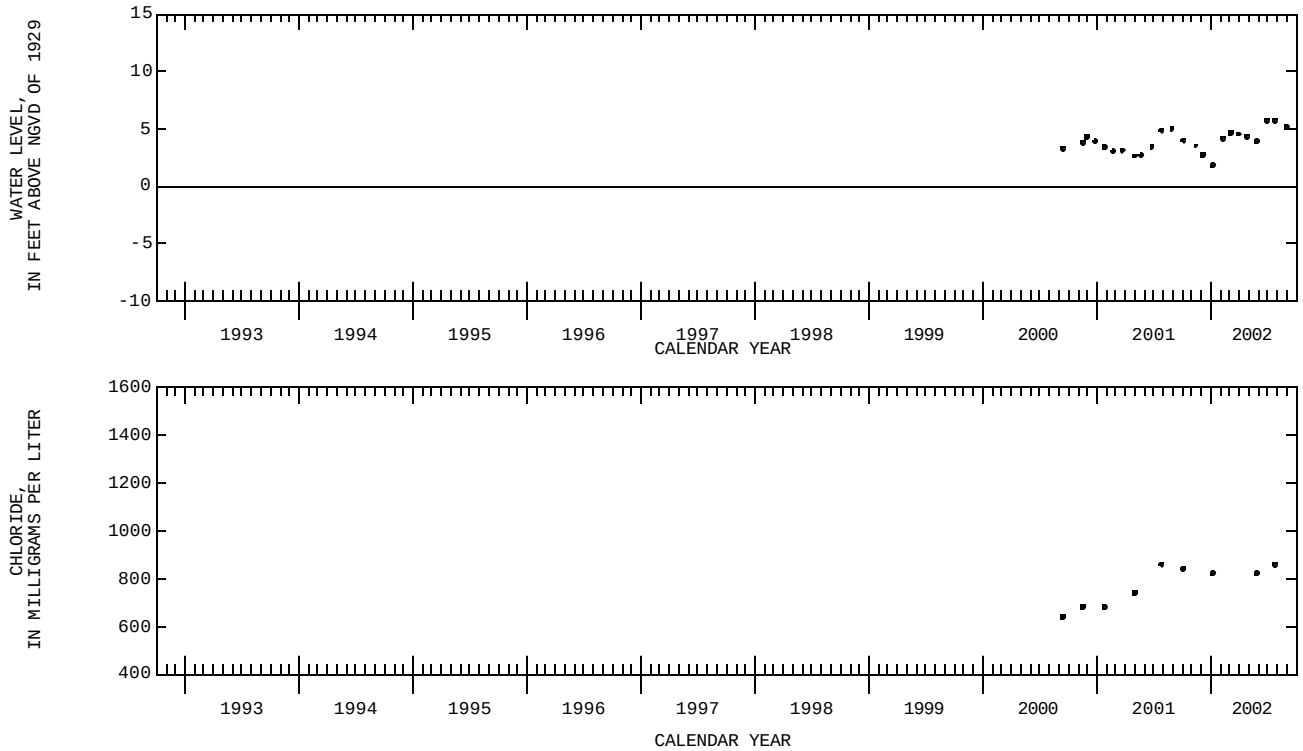
PALM BEACH COUNTY--Continued

WELL NUMBER.--263633080031401. Local Number PB 1723. USGS Observation Well in Lake Worth, FL.

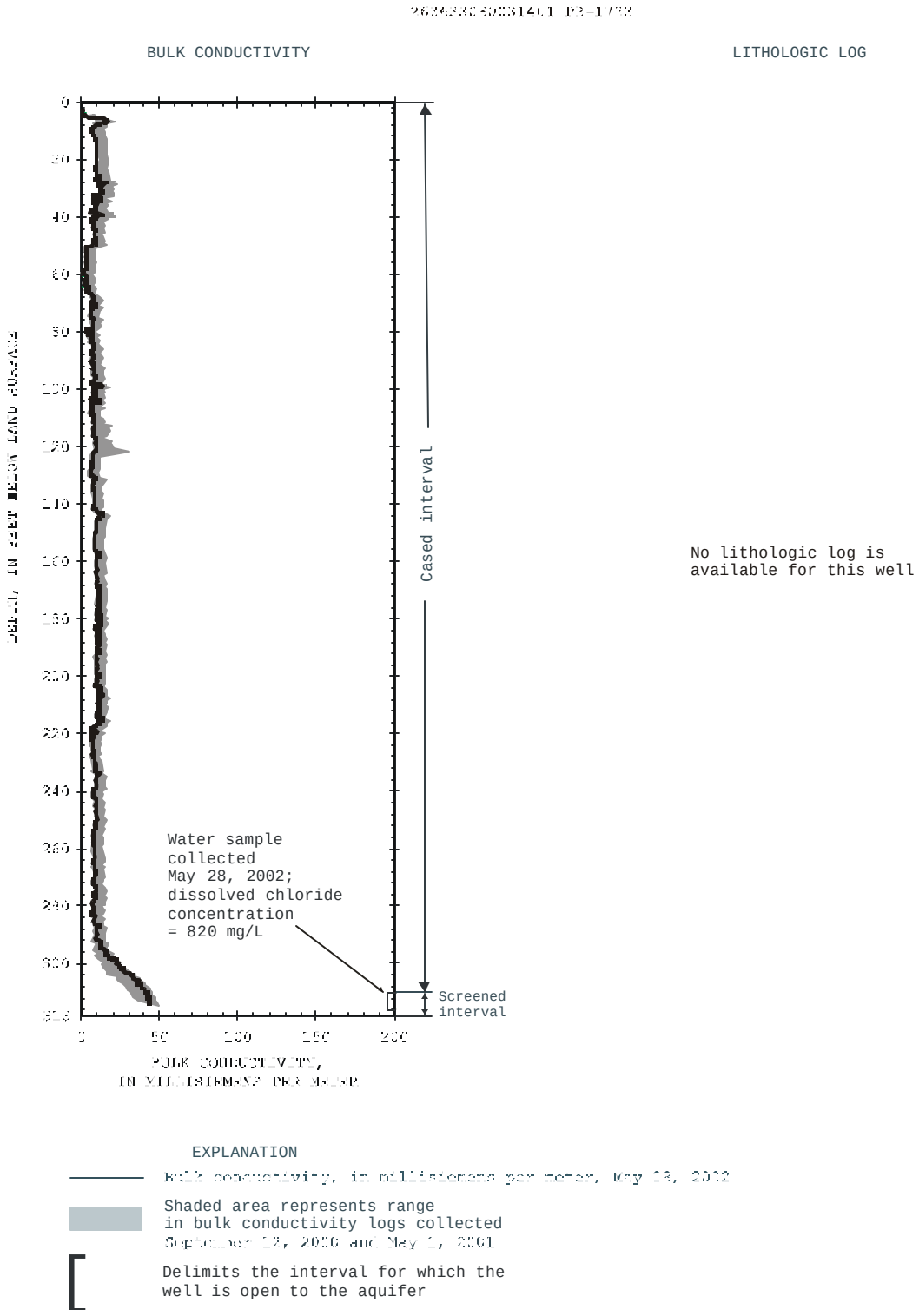
LOCATION.--Lat 26°36'36", long 80°03'13", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.27, T.44 S., R.43 E., Hydrologic Unit 03090202, at the northwest corner of the intersection of South M Street and 5th Avenue, 3 ft west of well MW-3, 0.9 mi east of U.S. Interstate 95.
AQUIFER.--Surficial aquifer 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. A calibration error was found to have affected some of the historical bulk conductivity logs. Bulk conductivity logs prior to the 2002 water year had been (with the exception of 1998) calibrated to a standard of 1,301 mS/m. For these calibrations an internal setting limited the probe response to 1,000 mS/m. Data for the affected years was corrected by applying a 0.7686 multiplier.
PERIOD OF RECORD.--September 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.74 ft NGVD, June 28, 2002; lowest, 1.78 ft NGVD, Jan. 7, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1155	3000	840	4.00
NOV				
13...	1209	--	--	3.50
DEC				
06...	1211	--	--	2.72
JAN				
07...	1140	2740	820	1.78
FEB				
07...	1323	--	--	4.15
MAR				
06...	1145	--	--	4.62
28...	1100	--	--	4.54
APR				
25...	1451	--	--	4.34
MAY				
28...	0950	2830	820	3.87
JUN				
28...	1134	--	--	5.74
JUL				
23...	1430	2930	860	5.71
AUG				
30...	1140	--	--	5.14



WELL NUMBER.--263633080031401. Local Number PB 1723. USGS Observation Well in Lake Worth, FL.



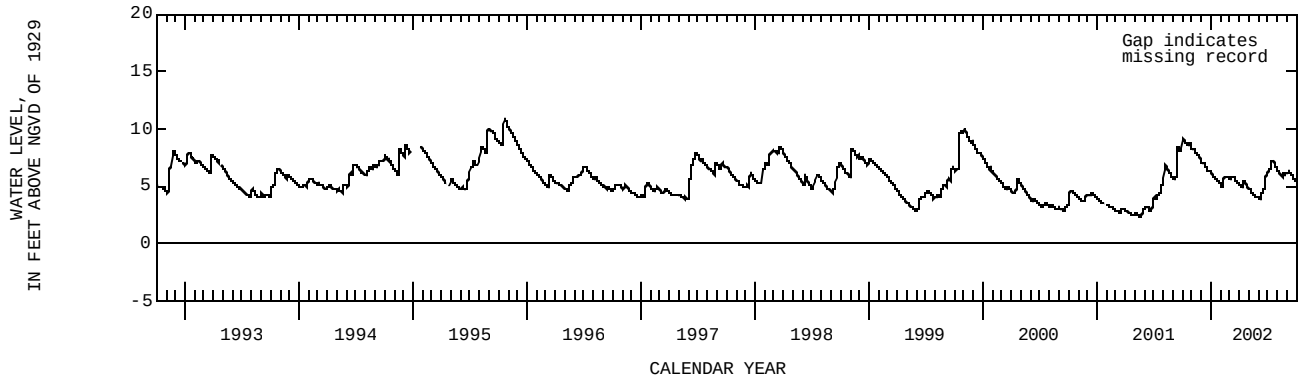
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.28, T.44 S., R.43 E., Hydrologic Unit 03090202, on east right of way of Florida East Coast 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.
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. 21, 22, 1995; lowest, 2.31 ft NGVD, May 22, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.02	8.24	6.96	5.98	4.94	5.52	5.03	4.66	3.83	6.36	6.23	6.16
10	8.87	8.02	6.88	5.77	5.57	5.72	4.86	4.46	4.32	6.72	6.05	6.19
15	8.57	7.90	6.65	5.68	5.82	5.72	5.46	4.31	4.55	7.17	5.89	6.08
20	8.44	7.68	6.41	5.52	5.79	5.54	5.34	4.18	4.88	7.18	5.82	5.75
25	8.71	7.48	6.29	5.35	5.77	5.38	5.01	4.10	5.77	6.79	6.04	5.61
EOM	8.32	7.22	6.15	5.12	5.70	5.15	4.76	3.97	6.15	6.39	6.11	5.45
MAX	9.13	8.28	7.18	6.14	5.86	5.78	5.47	4.75	6.15	7.22	6.35	6.25



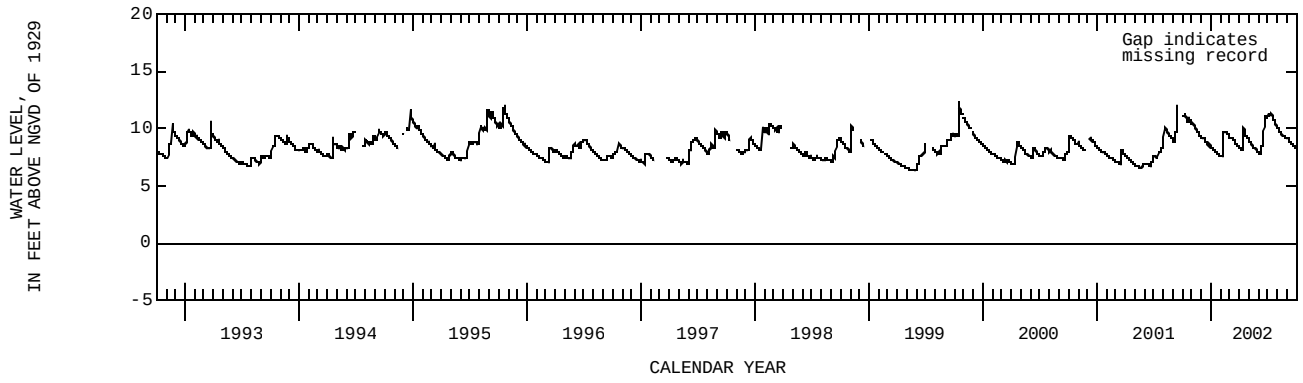
PALM BEACH COUNTY--Continued

WELL NUMBER.--264005080233501. Local Number PB 99. USGS Observation Well in West Palm Beach, FL.

LOCATION.--Lat 26°40'14", long 80°03'35", in SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Highway 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.13	10.32	9.03	8.28	7.51	9.13	8.22	8.83	7.78	11.05	9.86	9.11
10	11.17	10.03	9.01	8.16	9.63	9.07	8.04	8.61	8.43	11.33	9.64	8.85
15	10.72	9.85	8.79	8.01	9.57	8.94	10.04	8.43	8.60	11.12	9.44	8.75
20	10.47	9.64	8.62	7.89	9.53	8.75	9.55	8.30	10.34	10.75	9.28	8.57
25	10.72	9.40	8.46	7.76	9.43	8.57	9.27	8.18	11.02	10.46	9.20	8.44
EOM	10.35	9.21	8.41	7.61	9.29	8.38	9.06	7.97	10.79	10.12	9.00	8.35
MAX	---	10.32	9.18	8.40	9.69	9.25	10.12	9.02	11.05	11.33	10.06	9.13



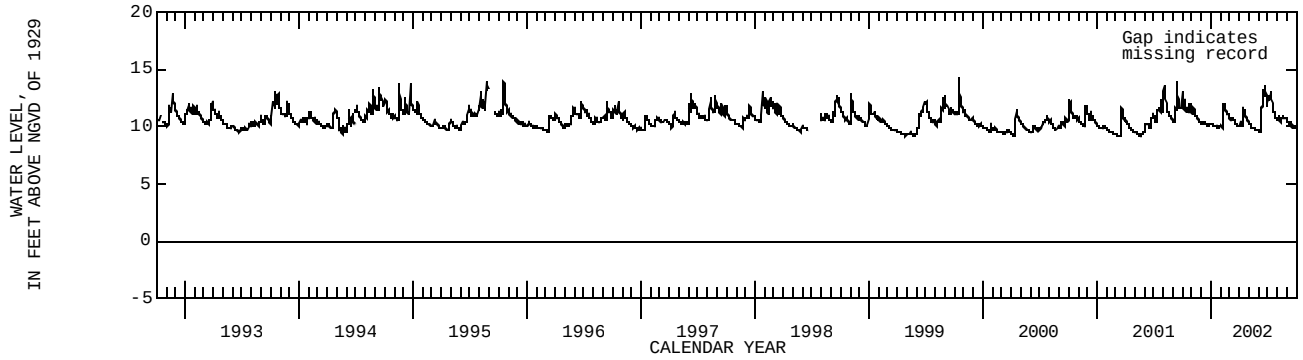
PALM BEACH COUNTY--Continued

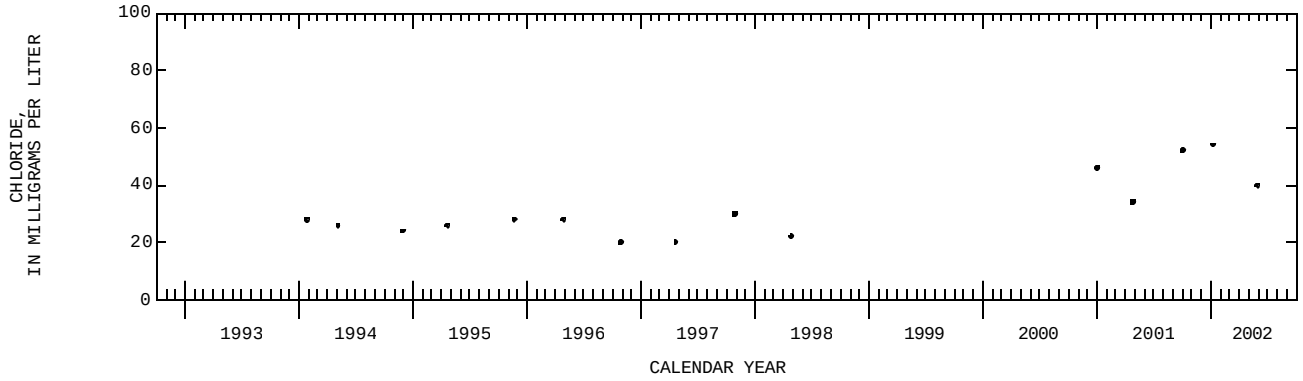
WELL NUMBER.--264123080053801. Local Number PB 809. USGS Observation Well in West Palm Beach, FL.

LOCATION.--Lat 26°41'23", long 80°05'41", in NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.31, T.43 S., R.43 E., Hydrologic Unit 03090202, on 8th Street in West Palm Beach, 1 mi north of State Road 98, and 2.5 mi west of U.S. Highway 1. (Corrected).
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. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.58	11.67	10.17	10.19	9.94	10.54	10.34	10.17	9.52	12.66	10.85	10.34
10	11.94	11.07	10.34	10.05	11.93	10.70	10.02	9.98	10.84	13.05	10.47	10.17
15	11.62	10.85	10.16	9.97	11.22	10.48	11.51	9.91	11.68	11.94	10.67	10.25
20	11.13	10.64	10.10	9.96	11.03	10.31	11.02	9.86	13.08	11.32	10.64	9.99
25	11.97	10.44	9.99	10.11	11.01	10.14	10.65	9.72	13.00	10.91	10.57	9.87
EOM	11.21	10.26	10.27	9.92	10.73	9.96	10.40	9.61	11.63	10.60	10.58	9.81
MAX	12.34	11.67	10.40	10.28	11.93	10.81	11.57	10.36	13.50	13.05	10.85	10.52





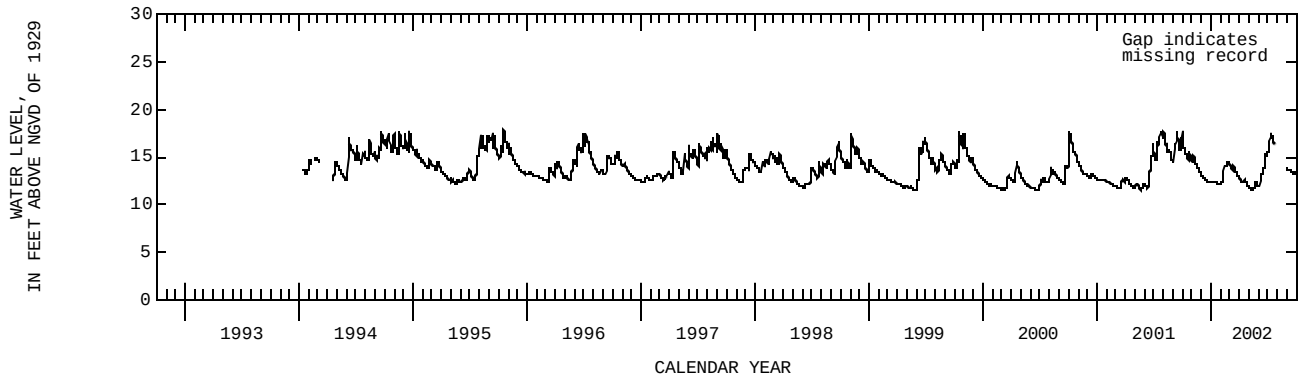
PALM BEACH COUNTY--Continued

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 SW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.26, T.43 S., R.40 E., Hydrologic Unit 03090202, approximately 25 ft east of Lion Country Safari Road, 1.3 mi north of Southern Boulevard (State Road 80), approximately 16 mi west of West Palm Beach. (Corrected).
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, 11.49 ft NGVD, May 15, 2002.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.05	14.99	12.92	12.45	12.46	13.92	12.56	11.79	11.78	15.70	---	13.69
10	15.48	14.51	12.80	12.35	13.47	13.69	12.32	11.63	12.97	17.04	---	13.67
15	15.03	14.12	12.66	12.29	14.01	13.93	12.48	11.49	13.35	16.99	---	13.51
20	14.72	13.79	12.53	12.24	13.89	13.52	12.51	12.35	13.88	16.59	---	13.29
25	15.18	13.46	12.39	12.17	14.49	13.18	12.15	12.35	15.31	---	---	13.13
EOM	14.60	13.16	12.48	12.07	14.26	12.84	11.97	12.01	14.93	---	13.86	13.34
MAX	17.01	15.02	13.10	12.49	14.50	14.20	12.79	12.48	15.31	---	---	13.81



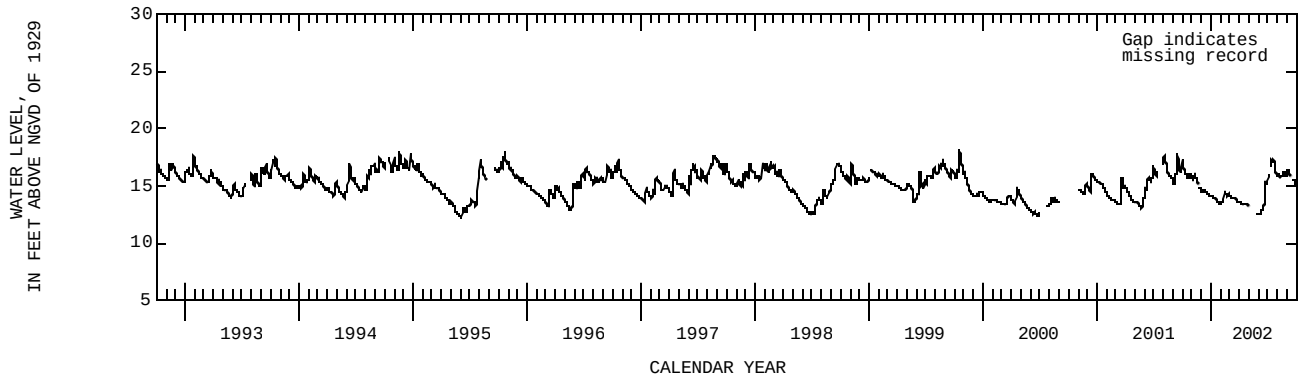
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.30, T.43 S., R.42 E., Hydrologic Unit 03090202, near intersection of Okeechobee Road (State Road 704) and State Road 7 (U.S. Highway 441), 12.5 mi west of West Palm Beach. (Corrected).
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.
REMARKS.--Records of water levels prior to October 1973, are available in files of the U.S. Geological Survey.
PERIOD OF RECORD.--October 1970 to April 1977, May 1979 to current year.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.51	15.82	14.43	14.07	13.57	13.99	13.49	---	12.58	---	16.01	16.27
10	16.09	15.86	14.60	13.94	13.68	13.94	13.37	---	12.75	16.88	15.72	15.99
15	15.78	15.63	14.42	13.85	14.35	14.01	13.41	---	12.93	17.08	15.79	15.79
20	15.70	15.22	14.29	13.72	14.27	13.88	13.48	---	13.42	17.17	16.13	15.54
25	16.02	14.87	14.13	13.50	14.21	13.69	13.40	---	15.17	16.38	16.00	15.36
EOM	15.66	14.59	14.13	13.44	14.16	13.57	13.27	12.60	15.02	15.84	15.80	15.08
MAX	17.21	---	14.60	14.13	14.40	14.12	13.55	---	15.31	---	---	---



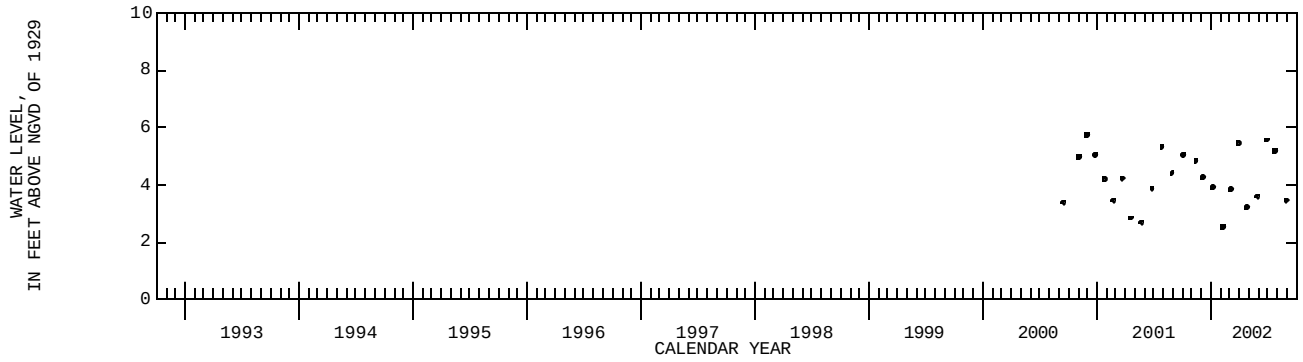
PALM BEACH COUNTY--Continued

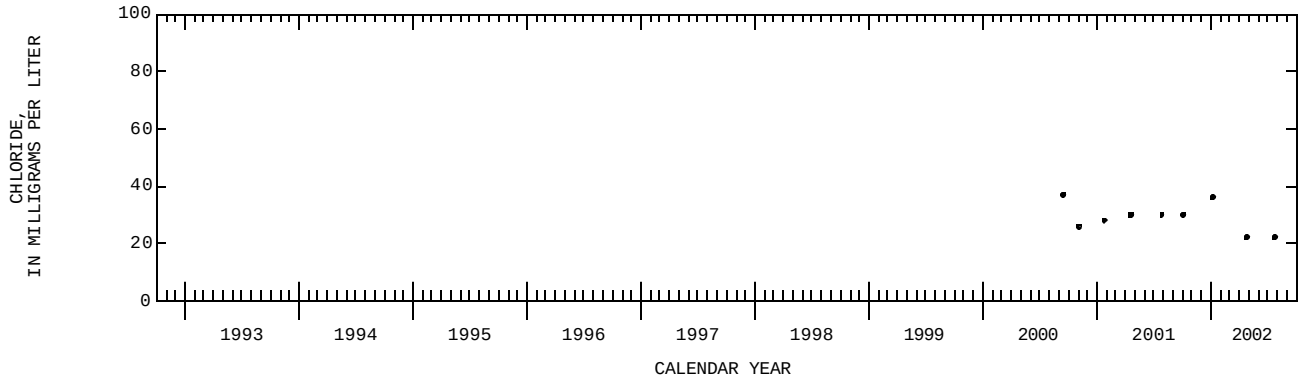
WELL NUMBER.--264643080033401 Local Number PB 1726. USGS Observation Well near Riviera Beach, FL.

LOCATION.--Lat 26°46'44", long 80°03'34", in SE $^{1}/_{4}$ SE $^{1}/_{4}$ SW $^{1}/_{4}$ 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 west of second well, 0.3 mi west of U.S. Highway 1. (Corrected).
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 is 15.04 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. Records of water-levels prior to October 2001, are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--September 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.73 ft NGVD, Nov. 28, 2000; lowest, 2.53 ft NGVD, Feb. 7, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
05...	1330	400	30.0	5.04	25...	1325	443	22.0	3.20
NOV					MAY				
13...	1338	--	--	4.84	30...	1022	--	--	3.60
DEC					JUN				
06...	1330	--	--	4.24	28...	1100	--	--	5.56
JAN					JUL				
07...	1315	552	36.0	3.89	23...	1317	428	22.0	5.18
FEB					AUG				
07...	1120	--	--	2.53	30...	1110	--	--	3.46
MAR									
06...	1112	--	--	3.83					
28...	1035	--	--	5.45					





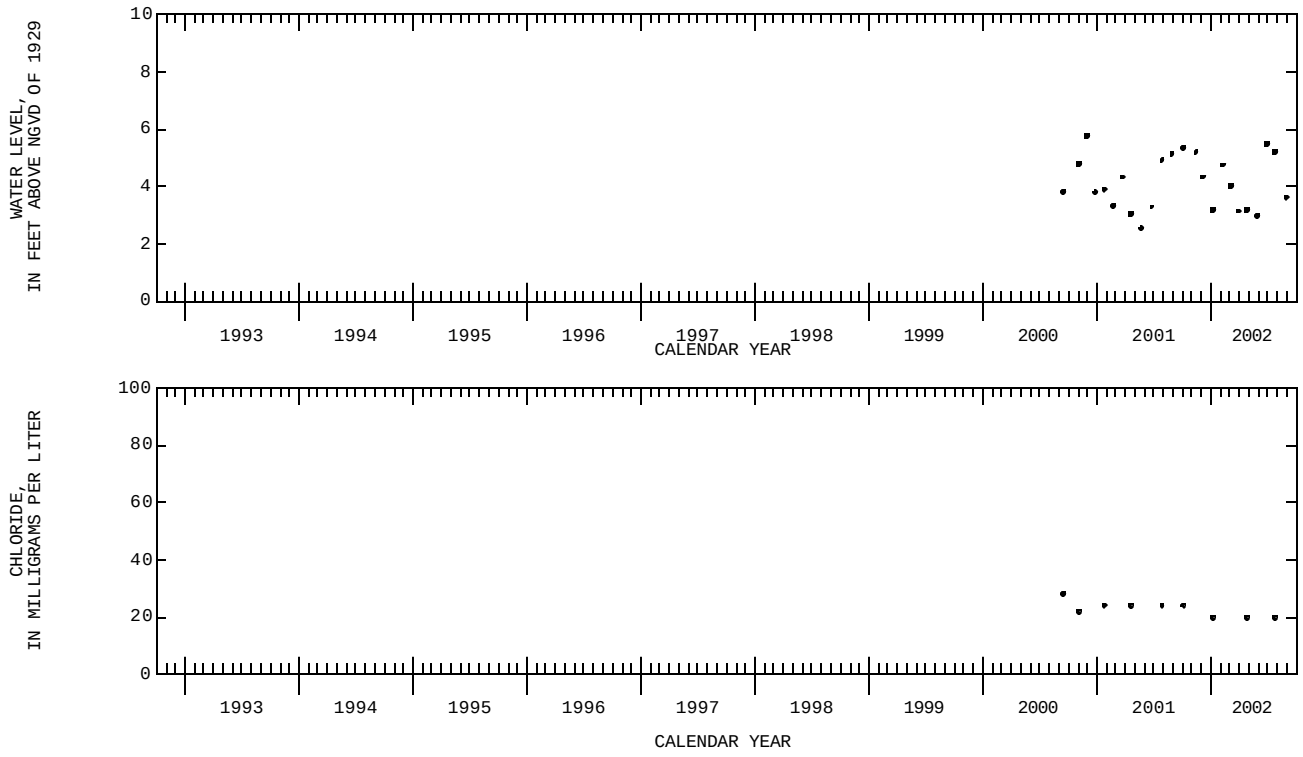
PALM BEACH COUNTY--Continued

WELL NUMBER.--264717080033501 Local Number PB 1727. USGS Observation Well near Riviera Beach, FL.

LOCATION.--Lat 26°47'18", long 80°03'35", in NE $^{1}/_{4}$ SE $^{1}/_{4}$ NW $^{1}/_{4}$ sec.28, T.42 S., R.43 E., Hydrologic Unit 03090202, on W 32nd Street between F Avenue and H Avenue East, next to wooden fence at the southwestern corner of park, 0.5 mi east of Old Dixie Highway, 0.3 mi north of State Road 708. (Corrected).
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 is 13.33 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. Records of water-levels prior to October 2001, are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--September 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.75 ft NGVD, Nov. 28, 2000; lowest, 2.53 ft NGVD, May 23, 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
05...	1350	500	24.0	5.33	25...	1201	494	20.0	3.19
NOV					MAY				
13...	1400	--	--	5.18	30...	1015	--	--	2.98
DEC					JUN				
06...	1415	--	--	4.33	28...	1045	--	--	5.49
JAN					JUL				
07...	1340	453	20.0	3.18	23...	1220	471	20.0	5.19
FEB					AUG				
07...	1105	--	--	4.75	30...	1055	--	--	3.61
MAR									
06...	1052	--	--	4.01					
28...	1020	--	--	3.14					



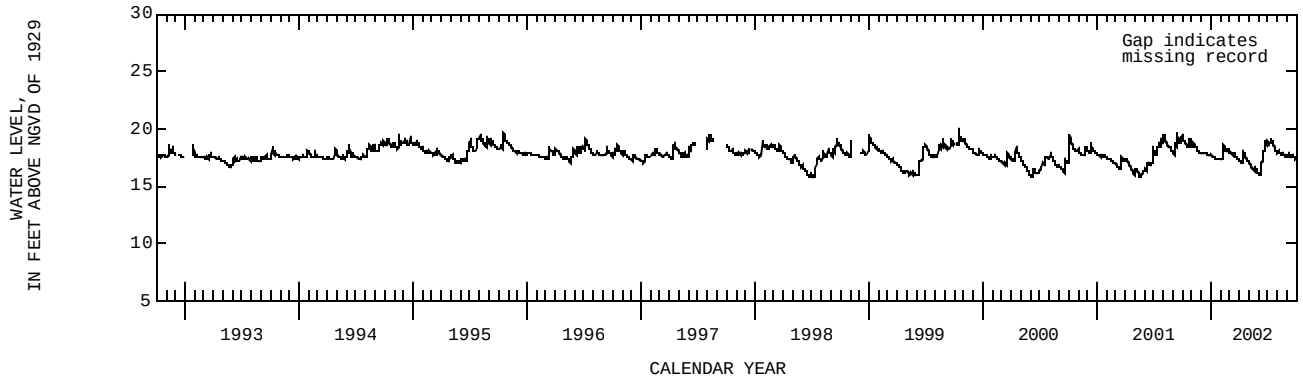
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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 State Road 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, 16, 1999; lowest, 15.60 ft NGVD, May 21, 2001.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.89	18.81	17.73	17.54	17.36	17.77	17.12	16.91	15.96	18.50	18.04	17.80
10	18.77	18.36	17.88	17.46	18.50	17.72	16.94	16.66	16.88	19.06	17.92	17.53
15	18.52	18.36	17.81	17.44	18.12	17.85	17.92	16.45	17.21	18.69	17.78	17.40
20	18.40	18.10	17.70	17.41	17.92	17.60	17.60	16.64	18.43	18.56	17.74	17.62
25	19.02	17.91	17.58	17.34	18.06	17.40	17.38	16.43	18.82	18.23	17.64	17.47
EOM	18.49	17.78	17.67	17.26	17.91	17.29	17.16	16.20	18.56	17.92	17.70	17.46
MAX	19.20	18.81	17.91	17.67	18.50	17.96	17.99	17.11	18.95	19.06	18.10	17.80



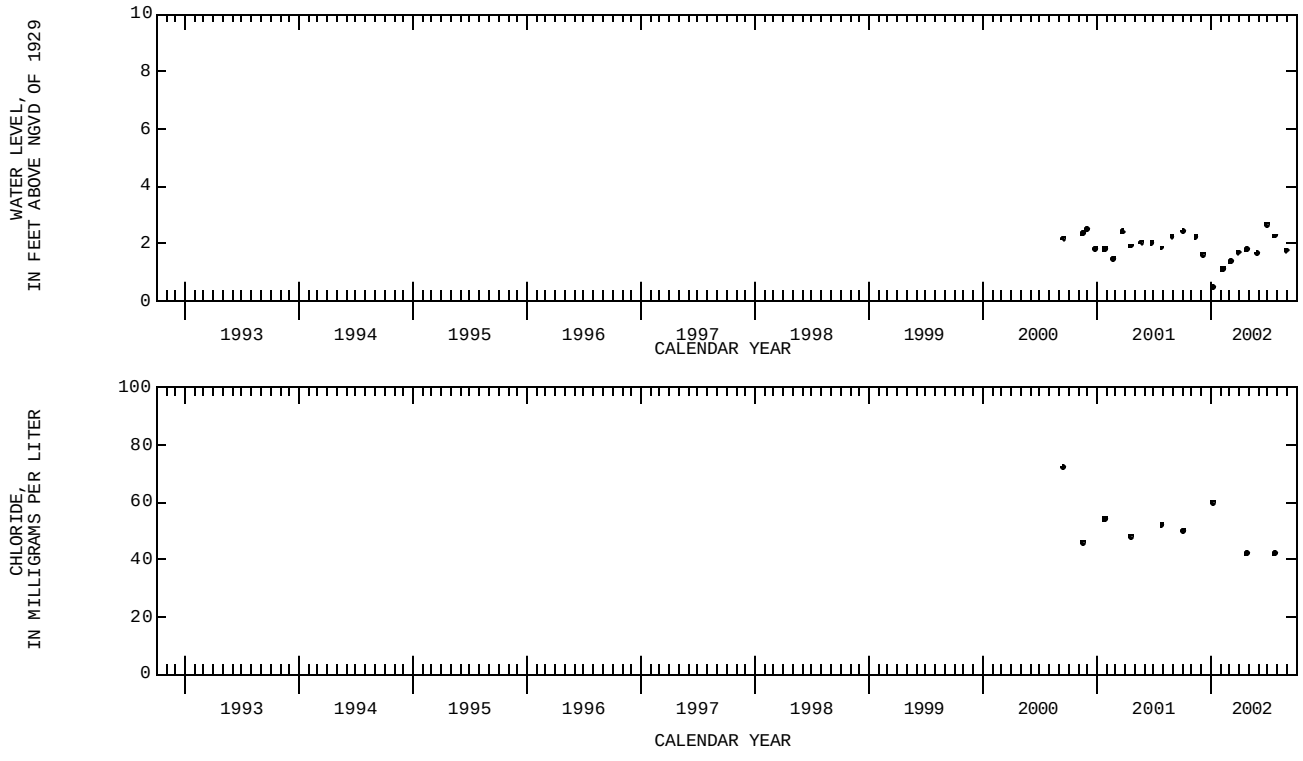
PALM BEACH COUNTY--Continued

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 SE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.33, T.44 S., R.43 E., Hydrologic Unit 03090202, on U.S. Highway 1 Alternate A1A (State Road 811) just north of Hinda Road, 20 ft north from end of eastern side road parallel to U.S. Highway 1 Alternate A1A, 1.2 mi east of U.S. Interstate 95. (Corrected).
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 is 10.62 ft above National Geodetic 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 2001, are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--September 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.67 ft NGVD, June 28, 2002; lowest, 0.45 ft NGVD, Jan. 7, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT				
05...	1415	500	50.0	2.42
NOV				
13...	1418	--	--	2.22
DEC				
06...	1445	--	--	1.62
JAN				
07...	1430	390	60.0	.45
FEB				
07...	1040	--	--	1.10
MAR				
06...	1027	--	--	1.36
28...	0943	--	--	1.69
APR				
25...	1130	501	42.0	1.78
MAY				
30...	0947	--	--	1.65
JUN				
28...	1030	--	--	2.67
JUL				
23...	1100	445	42.0	2.26
AUG				
30...	1035	--	--	1.76



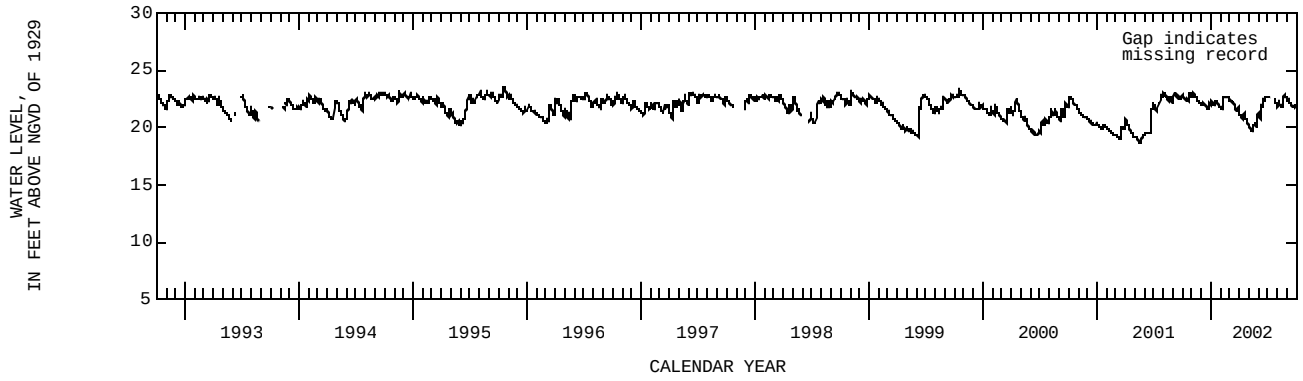
PALM BEACH COUNTY--Continued

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 SW $^{1}/_{4}$ NE $^{1}/_{4}$ NW $^{1}/_{4}$ 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 State Road 706 and State Road 710, approximately 15 mi west of Palm Beach Gardens. (Corrected).
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.--Previously published figures of water levels as elevations in feet NGVD, prior to October 1988 are in error. The corrected figures are in the files of the U.S. Geological Survey. See DATUM.
PERIOD OF RECORD.--November 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.69 ft NGVD, May 5, 1975; lowest, 18.53 ft NGVD, June 5, 1989.

CALENDAR YEAR
ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.58	22.95	21.87	22.05	21.52	22.30	21.01	19.93	20.87	---	22.30	22.52
10	22.47	22.69	22.02	21.89	22.62	22.07	20.79	19.70	21.86	22.73	21.93	22.15
15	22.16	22.51	21.83	22.34	22.66	21.94	21.04	19.49	21.96	---	21.76	21.96
20	22.30	22.36	21.71	22.18	22.50	21.63	20.91	20.45	22.61	---	22.20	21.68
25	23.06	22.16	21.88	21.91	22.63	21.30	20.52	20.07	22.67	22.33	22.60	21.87
EOM	22.72	21.97	22.20	21.68	22.44	21.28	20.23	21.23	---	21.92	22.58	21.97
MAX	23.06	22.95	22.20	22.34	22.72	22.38	21.28	21.23	---	---	22.78	22.55



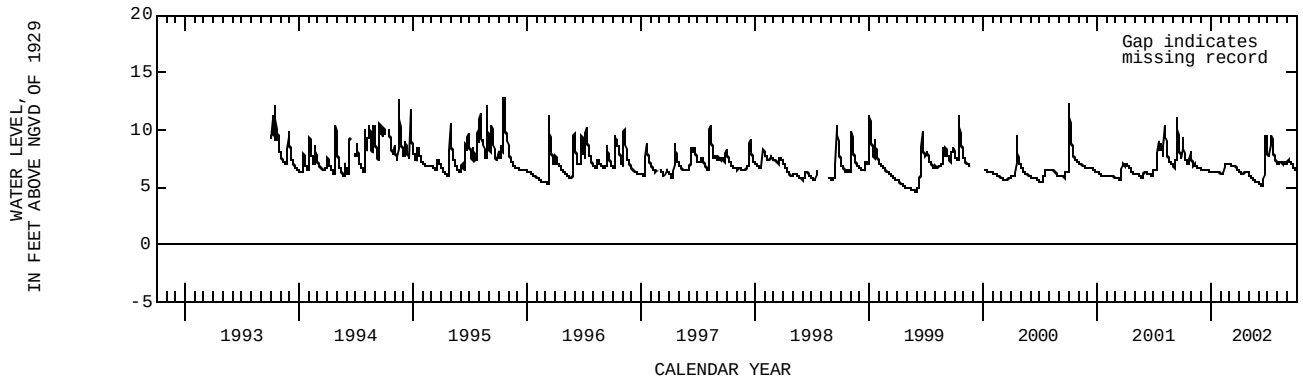
PALM BEACH COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ sec.30, T.41 S., R.43 E., Hydrologic Unit 03090202, approximately 250 ft east of State Road 811 (U.S. Highway 1 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.19	6.84	6.53	6.32	6.12	6.96	6.25	5.97	5.25	7.60	7.24	7.36
10	7.42	6.93	6.51	6.29	6.22	6.89	6.09	5.80	5.13	9.46	7.21	7.22
15	7.12	6.83	6.50	6.27	7.02	6.88	6.20	5.69	5.13	9.06	7.11	7.02
20	6.90	6.73	6.47	6.26	7.02	6.82	6.39	5.58	6.23	7.82	7.11	6.83
25	7.96	6.66	6.38	6.25	7.02	6.62	6.39	5.49	9.40	7.44	7.07	6.61
EOM	7.39	6.59	6.35	6.16	7.02	6.38	6.21	5.41	8.04	7.13	7.10	6.50
MAX	9.31	7.24	6.59	6.35	7.03	7.01	6.40	6.16	9.40	9.54	7.24	7.36



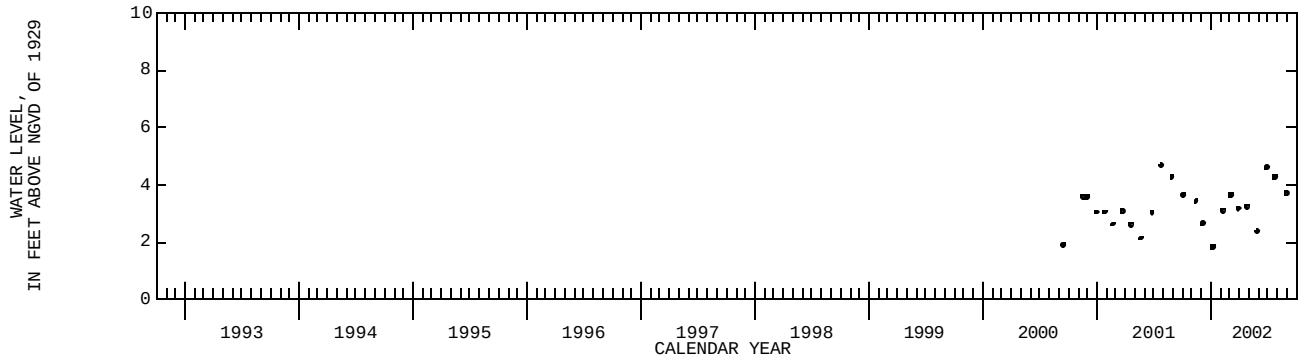
PALM BEACH COUNTY--Continued

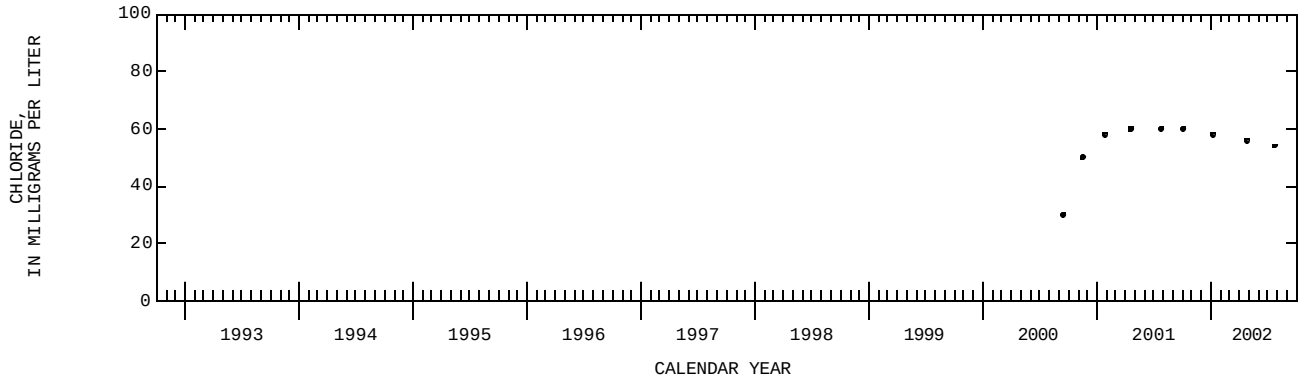
WELL NUMBER.--265550080070701. Local Number PB 1732. USGS Observation Well near Jupiter, Fl.

LOCATION.--Lat 26°55'50", long 80°07'08", in NE 1/4 SE 1/4 SW 1/4 sec.2, T.41 S., R.42 E., Hydrologic Unit 03090202, on Commerce Lane, one block east of Commerce Way, 0.3 mi south of State Road 706, 3.3 mi east of U.S. Interstate 95. (Corrected).
AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.
WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 3 in., depth 253 ft, cased to 232 ft. (Corrected).
INSTRUMENTATION.--Monthly measurement with chalked tape.
DATUM.--Land-surface datum is 8.64 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 2001, are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--September 2000 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.67 ft NGVD, July 26, 2001; lowest, 1.84 ft NGVD, Jan. 7, 2002.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
OCT					APR				
05...	1440	700	60.0	3.64	25...	0830	689	56.0	3.25
NOV					MAY				
13...	1440	--	--	3.41	30...	0836	--	--	2.37
DEC					JUN				
06...	1500	--	--	2.64	28...	0845	--	--	4.60
JAN					JUL				
07...	1445	636	58.0	1.84	23...	0915	659	54.0	4.27
FEB					AUG				
07...	1016	--	--	3.11	30...	0914	--	--	3.72
MAR									
06...	0953	--	--	3.65					
28...	0845	--	--	3.17					





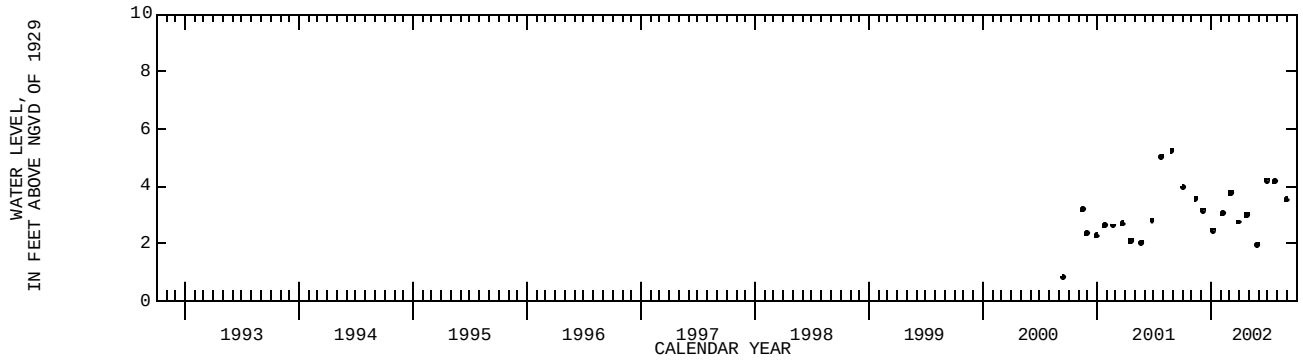
PALM BEACH COUNTY--Continued

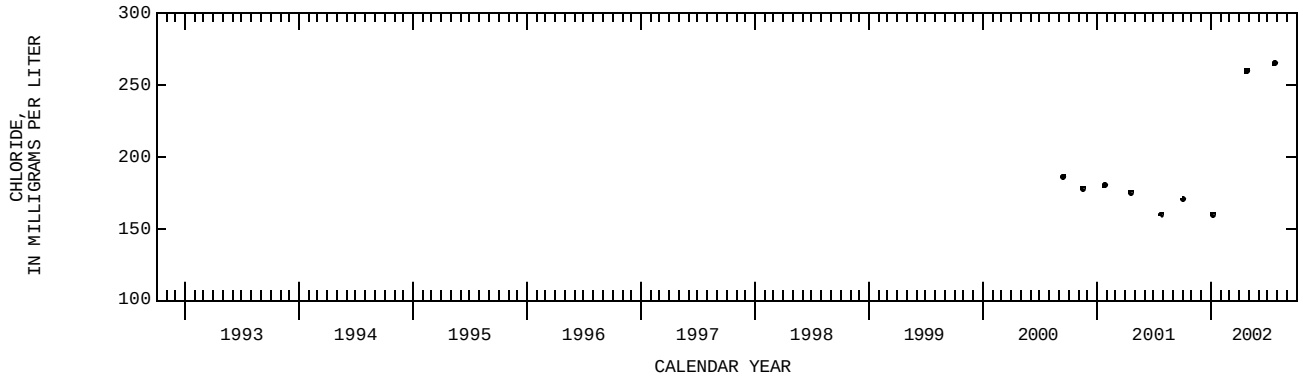
WELL NUMBER.--265611080080201. Local Number PB 1733. USGS Observation Well near Jupiter, FL.

LOCATION.--Lat 26°56'16", long 80°08'01", in SW $^{1}/_{4}$ SW $^{1}/_{4}$ NE $^{1}/_{4}$ 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 State Road 706, 1.1 mi east of U.S. Interstate 95. (Corrected).
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 is 11.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1 ft above land-surface datum.
REMARKS.--Well is also used for salinity monitoring. Records of water levels prior to October 2001, are available in the files of the U.S. Geological Survey.
PERIOD OF RECORD.--September 2000 to current year.
EXTREMES FOR PERIOD OR RECORD.--Highest water level measured, 5.23 ft NGVD, Aug. 28, 2001; lowest, 0.81 ft NGVD, Sept. 14, 2000.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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				
05...	1515	850	170	3.95	25...	0855	1590	260	3.00
NOV					MAY				
13...	1520	--	--	3.55	30...	0848	--	--	1.95
DEC					JUN				
06...	1515	--	--	3.15	28...	0903	--	--	4.20
JAN					JUL				
07...	1530	817	160	2.45	23...	0945	1540	265	4.15
FEB					AUG				
07...	1000	--	--	3.03	30...	0926	--	--	3.53
MAR									
06...	0919	--	--	3.77					
28...	0855	--	--	2.75					





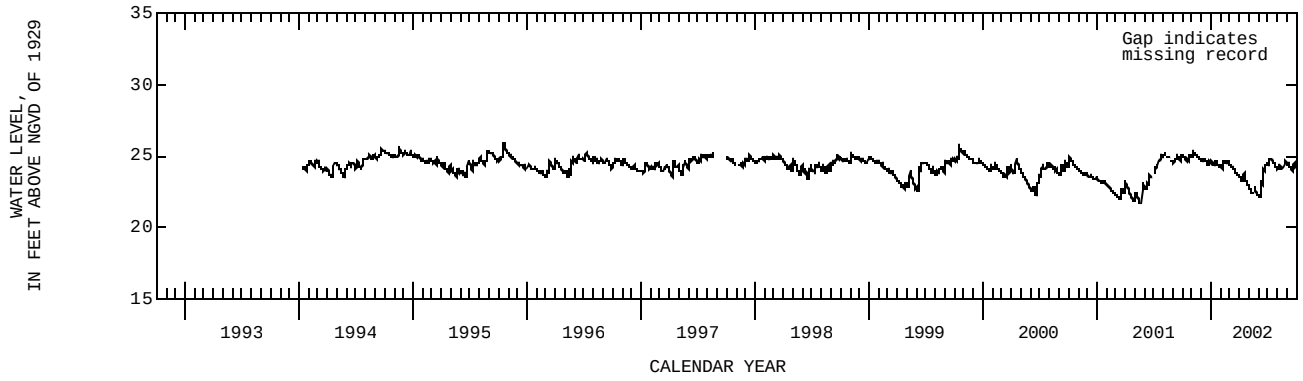
PALM BEACH COUNTY--Continued

WELL NUMBER.--265633080203001. Local Number PB 689. USGS Observation Well near Jupiter, FL.

LOCATION.--Lat 26°56'33", long 80°20'30", in NE 1/4 NW 1/4 NE 1/4 sec.4, T.41 S., R.40 E., Hydrologic Unit 03090202, on south side of State Road 706, 3.45 mi west of State Road 711 and 0.6 mi east of State Road 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.
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 May 2001, top of base was considered to be 3.00 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. Records of water levels as elevation, in feet NGVD, prior to October 1994 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, 25.86 ft NGVD, Oct. 17, 18, 1995; lowest, 21.24 ft NGVD, Apr. 11, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.90	25.32	24.58	24.50	24.15	24.36	23.42	22.72	22.15	24.30	24.35	24.49
10	24.79	25.08	24.70	24.36	24.62	24.16	23.27	22.51	23.21	24.83	24.14	24.22
15	24.80	25.02	24.59	24.63	24.55	24.08	23.63	22.35	23.43	24.70	24.24	24.06
20	24.69	24.92	24.43	24.49	24.40	23.90	23.44	22.82	24.25	24.56	24.13	23.99
25	25.07	24.78	24.51	24.32	24.54	23.74	23.18	22.48	24.42	24.39	24.39	24.44
EOM	24.99	24.68	24.65	24.16	24.39	23.56	22.96	22.32	24.39	24.13	24.57	24.39
MAX	25.08	25.32	24.78	24.64	24.65	24.40	23.77	---	24.42	24.85	24.60	24.53



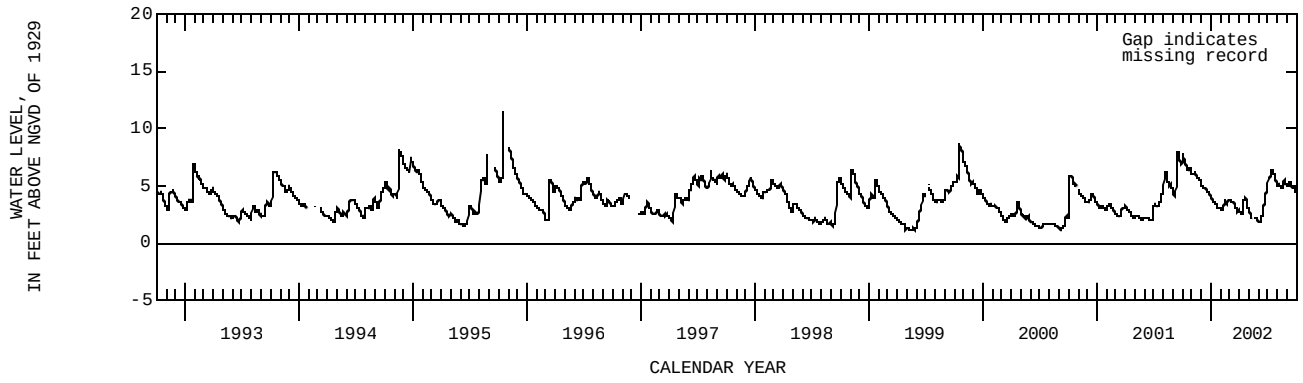
PALM BEACH COUNTY--Continued

WELL NUMBER.--265812080053901. Local Number PB 565. USGS Observation Well in Tequesta, FL.

LOCATION.--Lat 26°58'12", long 80°05'39", in NE $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. Highway 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.--Station reconstructed after site was hit by a car. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.40	5.85	4.91	3.74	2.90	3.68	2.68	2.54	1.85	5.60	5.15	5.33
10	6.94	6.12	4.82	3.51	3.22	3.55	2.55	2.21	1.93	6.11	4.94	5.33
15	6.59	5.83	4.70	3.38	3.77	3.49	3.70	2.21	2.47	6.44	4.85	5.10
20	6.22	5.63	4.56	3.19	3.52	3.25	3.95	2.12	3.61	6.03	5.25	4.78
25	6.50	5.50	4.36	2.99	3.77	2.91	3.52	2.11	4.34	5.70	5.06	4.62
EOM	6.02	5.19	3.99	2.97	3.77	2.81	2.90	1.91	4.85	5.12	5.12	4.40
MAX	7.78	---	5.11	3.94	3.78	3.78	3.95	---	4.85	6.44	5.44	5.38



PALM BEACH COUNTY

MULTIPLE STATION ANALYSES

Station number	Local identifier	Latitude	Longitude	Date	Time	SPECIFIC CONDUCTANCE (US/CM) (00095)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	ELEVATION ABOVE NGVD (FEET) (72020)
262114080054001	PB - 491	26 21 14 N	080 04 55 W	10-01-01	1540	38700	8900	3.88
		26 21 14 N	080 04 55 W	10-01-01	1540	38700	8900	3.88
		26 21 14 N	080 04 55 W	11-01-01	1446	40300	14800	6.44
		26 21 14 N	080 04 55 W	11-01-01	1446	40300	14800	6.44
		26 21 14 N	080 04 55 W	11-29-01	1427	44000	15300	1.87
		26 21 14 N	080 04 55 W	11-29-01	1427	44000	15300	1.87
		26 21 14 N	080 04 55 W	12-28-01	1309	46600	16000	1.02
		26 21 14 N	080 04 55 W	12-28-01	1309	46600	16000	1.02
		26 21 14 N	080 04 55 W	12-28-01	1309	46600	16000	1.02
		26 21 14 N	080 04 55 W	01-30-02	1448	41200	15500	.14
		26 21 14 N	080 04 55 W	01-30-02	1448	41200	15500	.14
		26 21 14 N	080 04 55 W	04-23-02	1448	41000	14700	.28
		26 21 14 N	080 04 55 W	04-23-02	1448	41000	14700	.28
		26 21 14 N	080 04 55 W	05-21-02	1330	38700	15700	.25
		26 21 14 N	080 04 55 W	05-21-02	1330	38700	15700	.25
		26 21 14 N	080 04 55 W	08-14-02	0905	41300	15700	3.91
		26 21 14 N	080 04 55 W	08-14-02	0905	41300	15700	3.91
		26 21 14 N	080 04 55 W	08-22-02	1420	41100	15100	2.61
		26 21 14 N	080 04 55 W	08-22-02	1420	41100	15100	2.61
262313080044401	PB -1457	26 23 13 N	080 04 44 W	10-01-01	1716	160	29.0	9.08
		26 23 13 N	080 04 44 W	10-01-01	1716	160	29.0	9.08
		26 23 13 N	080 04 44 W	11-01-01	1334	439	28.0	7.72
		26 23 13 N	080 04 44 W	11-01-01	1334	439	28.0	7.72
		26 23 13 N	080 04 44 W	11-29-01	1326	480	24.0	6.37
		26 23 13 N	080 04 44 W	11-29-01	1326	480	24.0	6.37
		26 23 13 N	080 04 44 W	12-28-01	1231	512	26.0	5.40
		26 23 13 N	080 04 44 W	12-28-01	1231	512	26.0	5.40
		26 23 13 N	080 04 44 W	01-30-02	1413	433	24.0	4.39
		26 23 13 N	080 04 44 W	01-30-02	1413	433	24.0	4.39
		26 23 13 N	080 04 44 W	03-01-02	0919	436	26.0	4.78
		26 23 13 N	080 04 44 W	03-01-02	0919	436	26.0	4.78
		26 23 13 N	080 04 44 W	04-23-02	1419	483	38.0	3.79
		26 23 13 N	080 04 44 W	04-23-02	1419	483	38.0	3.79
		26 23 13 N	080 04 44 W	05-21-02	1300	411	26.0	3.76
		26 23 13 N	080 04 44 W	05-21-02	1300	411	26.0	3.76
		26 23 13 N	080 04 44 W	07-02-02	1456	441	26.0	7.41
		26 23 13 N	080 04 44 W	07-02-02	1456	441	26.0	7.41
		26 23 13 N	080 04 44 W	07-30-02	1243	440	22.0	6.27
		26 23 13 N	080 04 44 W	07-30-02	1243	440	22.0	6.27
		26 23 13 N	080 04 44 W	08-22-02	1356	454	42.0	7.64
		26 23 13 N	080 04 44 W	08-22-02	1356	454	42.0	7.64

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St. Lucie County

Key to site locations on figure # 21

St. Lucie County

Index Number	Site Number	Well Name	Page Number
1	272655080401601	STL 42	612
2	272524080242801	STL 125	611
3	272315080183401	STL 172	609
4	271755080153001	STL 175	606
5	271755080153002	STL 176	607
6	271413080311201	STL 185	604
7	272427080240201	STL 213	610
8	271618080245801	STL 214	605
9	273109080270301	STL 264	613
10	272138080374103	STL 313	608

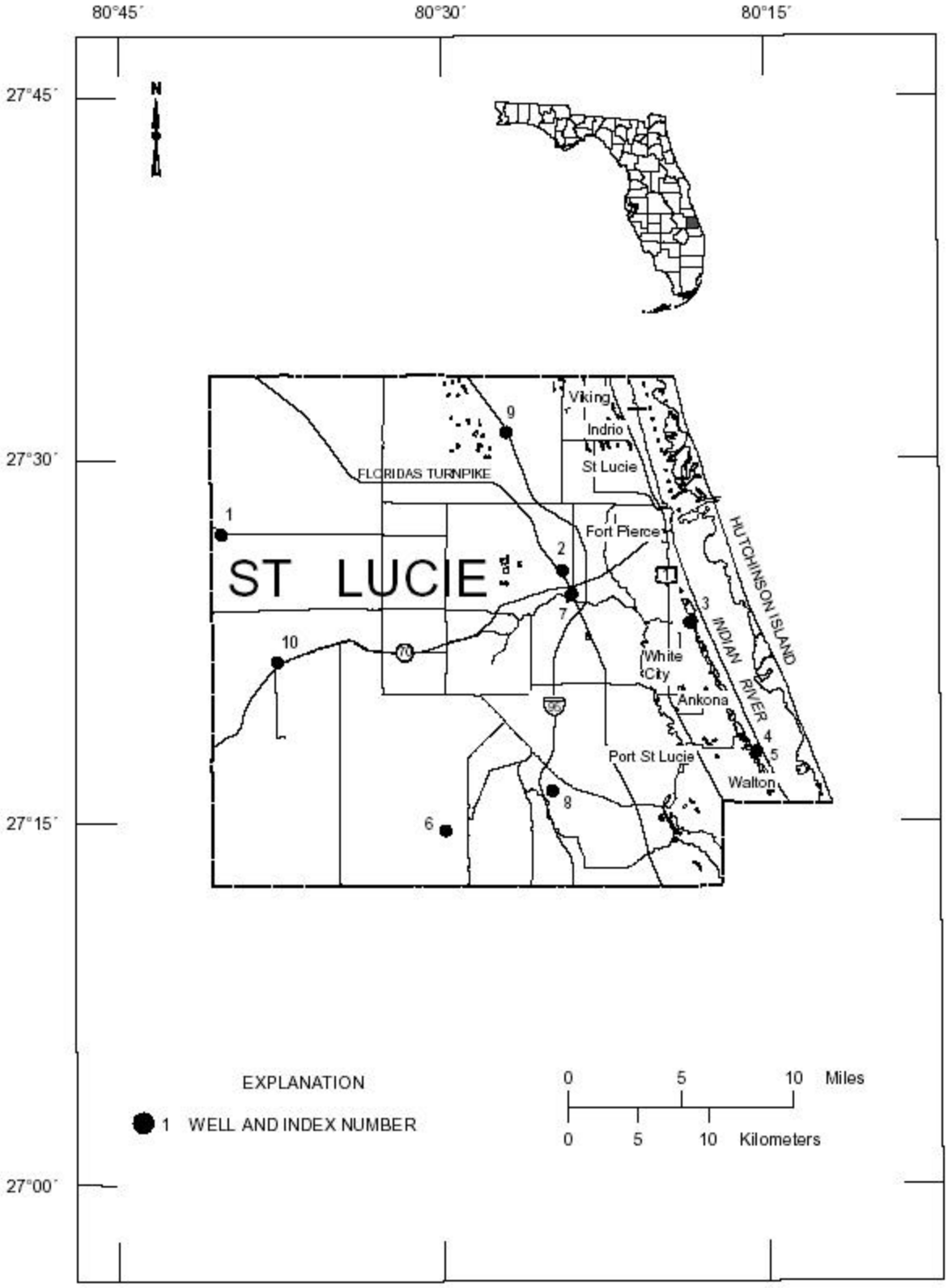


Figure 21. Location of wells in St. Lucie County

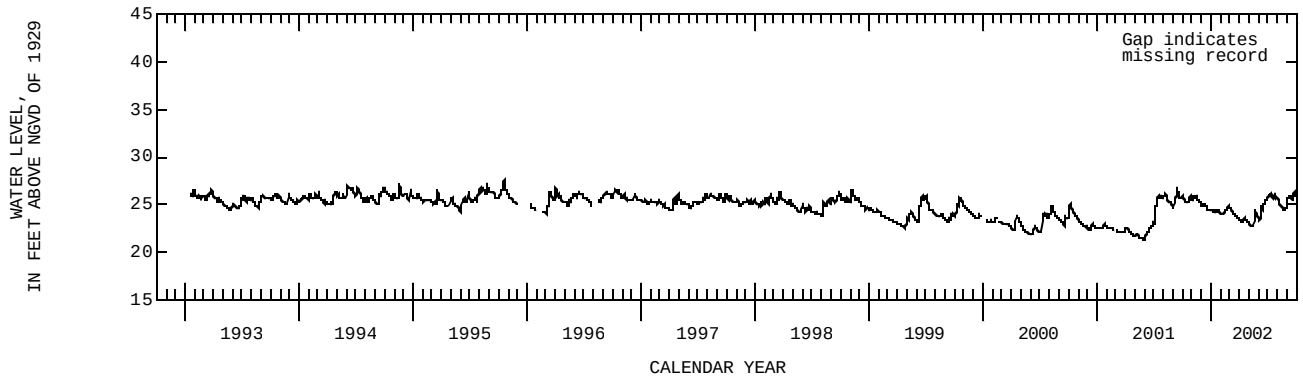
ST. LUCIE COUNTY

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 $^{1}/_{4}$ SE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.23, T.37 S., R.38 E., Hydrologic Unit 03090202, 1 mi west of State Road 609 and 3 mi south of State Road 709 in pasture of McCarty Ranch. Ranch entrance is on State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.63	25.88	24.85	24.44	24.03	24.41	23.35	22.88	23.46	25.70	25.36	25.97
10	25.36	25.81	25.05	24.26	24.02	24.21	23.13	22.76	24.77	26.16	24.98	25.98
15	25.02	25.81	24.79	24.39	24.35	24.01	23.37	22.74	24.66	25.80	24.85	25.76
20	25.24	25.50	24.56	24.44	24.30	23.85	23.55	24.34	25.26	25.92	24.48	25.74
25	25.90	25.24	24.42	24.29	24.89	23.65	23.32	24.13	25.56	25.98	24.51	26.34
EOM	25.58	25.02	24.24	24.07	24.71	23.47	23.18	23.70	25.38	25.63	24.67	25.89
MAX	25.93	25.96	25.05	24.49	24.89	24.65	23.61	24.38	25.56	26.17	25.68	26.34



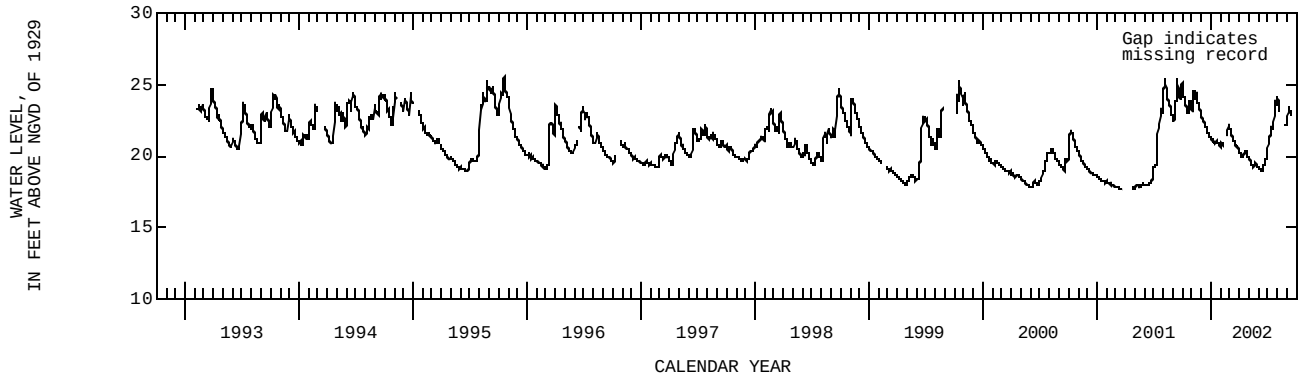
ST. LUCIE COUNTY--Continued

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 $^{1}/_{4}$ SW $^{1}/_{4}$ NW $^{1}/_{4}$ 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 70 ft, cased to 40 ft. (Corrected).
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.16	24.48	22.53	21.14	20.79	21.55	20.18	19.64	19.07	21.04	23.48	23.15
10	23.60	24.15	22.27	20.98	20.77	21.27	19.96	19.47	19.05	21.74	---	23.12
15	23.18	24.34	22.01	20.93	---	21.01	20.09	19.32	19.01	21.87	---	22.89
20	23.08	23.70	21.72	20.96	---	20.77	20.42	19.48	19.37	22.25	---	---
25	23.91	23.28	21.50	20.84	22.06	20.45	20.18	19.41	19.79	23.79	---	---
EOM	23.25	22.92	21.22	20.59	21.91	20.33	19.94	19.28	19.91	24.08	22.08	---
MAX	24.77	24.60	22.81	21.23	---	21.89	20.42	19.89	19.92	24.09	---	---



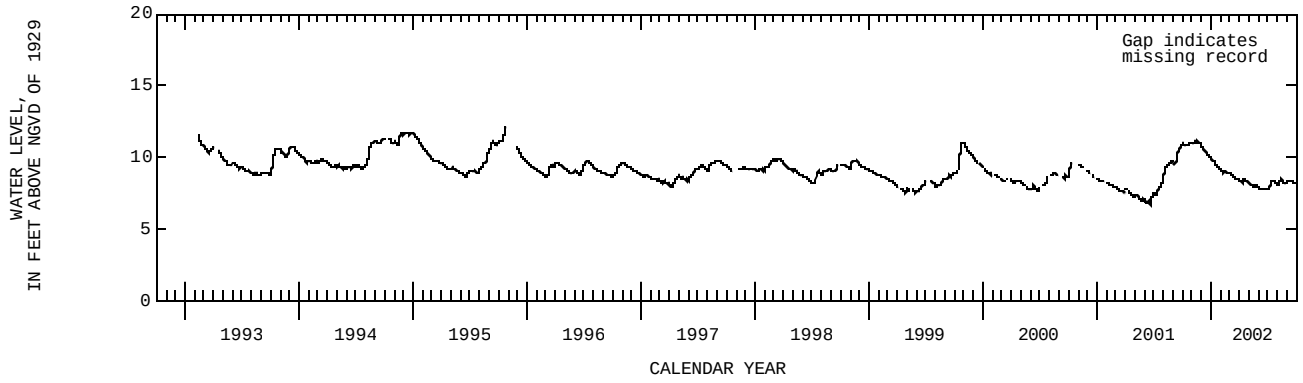
ST. LUCIE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 State Road 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.
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.85	11.01	10.63	9.79	9.10	8.78	8.33	8.13	7.78	7.95	8.22	8.38
10	10.87	11.07	10.48	9.69	8.97	8.73	8.26	8.06	7.78	8.18	8.40	8.39
15	10.82	11.12	10.35	9.52	9.00	8.68	8.49	7.99	7.73	8.32	8.43	8.40
20	10.83	11.07	10.23	9.47	8.93	8.57	8.46	8.01	7.80	8.31	8.31	8.29
25	10.99	10.96	10.07	9.33	8.92	8.49	8.35	8.01	7.85	8.30	8.18	8.27
EOM	10.98	10.80	9.90	9.17	8.88	8.39	8.23	7.89	7.80	8.17	8.28	8.17
MAX	11.01	11.12	10.74	9.88	9.14	8.88	8.50	8.21	7.89	8.33	8.43	8.40



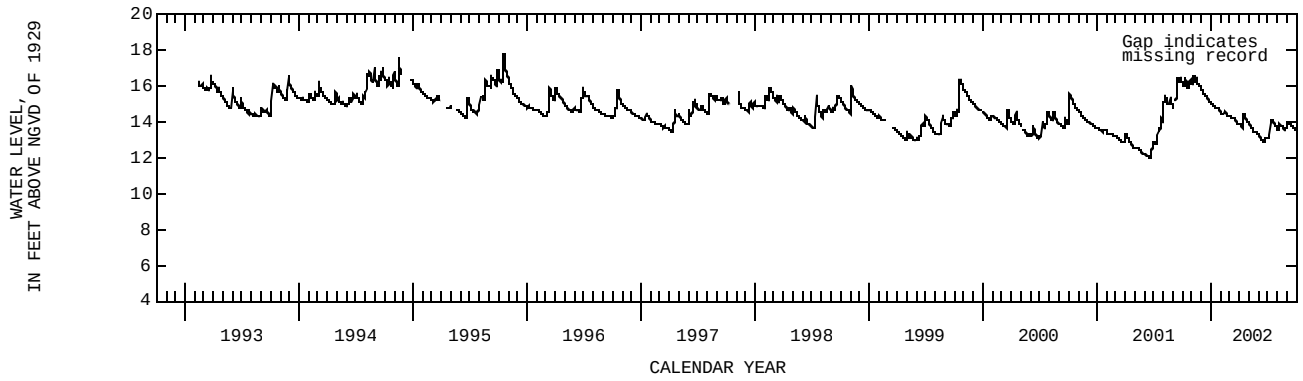
ST. LUCIE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.06	16.49	15.69	15.01	14.45	14.28	13.79	13.80	13.17	13.25	13.69	13.90
10	16.43	16.37	15.55	14.88	14.37	14.23	13.71	13.67	13.06	14.06	13.82	13.86
15	16.10	16.48	15.44	14.80	14.55	14.20	14.41	13.53	12.95	14.07	13.76	13.80
20	16.03	16.08	15.33	14.79	14.40	14.13	14.28	13.45	12.93	13.97	13.64	13.73
25	16.33	16.06	15.21	14.73	14.37	13.98	14.05	13.39	13.08	13.81	13.51	13.66
EOM	16.12	15.84	15.07	14.55	14.36	13.88	13.93	13.28	13.13	13.64	13.89	13.55
MAX	16.45	16.54	15.80	15.05	14.60	14.34	14.41	13.91	13.26	14.07	13.89	13.91



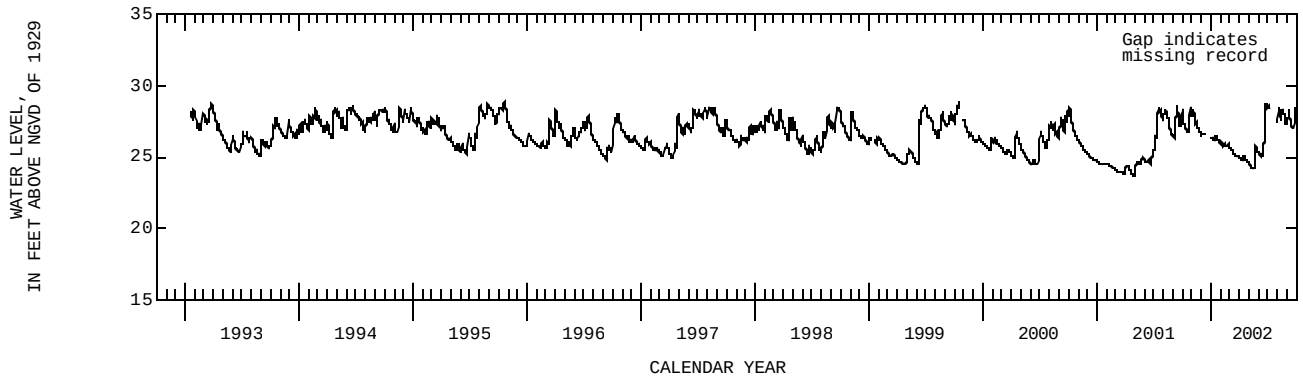
ST. LUCIE COUNTY--Continued

WELL NUMBER.--272138080374103. Local Number STL 313. USGS Observation Well near Okeechobee, FL.

LOCATION.--Lat 27°21'38", long 80°37'41", in SE $^{1}/_{4}$ NW $^{1}/_{4}$ NE $^{1}/_{4}$ sec.10, T.36 S., R.37 E., Hydrologic Unit 03090202, approximately 400 ft north of State Road 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. Sand has filled in the well to a depth of 40 ft. (Corrected).
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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.32	28.26	---	26.26	25.89	25.50	24.87	24.42	25.15	28.49	28.36	28.19
10	27.10	27.50	26.65	26.15	25.82	25.41	24.73	24.29	25.14	28.46	27.61	27.71
15	26.72	27.36	---	26.47	25.88	25.25	25.03	24.13	25.33	---	28.24	27.18
20	26.69	27.02	---	26.35	25.65	25.11	24.95	25.57	27.10	---	28.23	26.90
25	28.38	26.75	---	26.11	25.90	24.95	24.69	25.67	28.69	---	27.83	28.39
EOM	27.88	26.57	---	25.90	25.71	24.96	24.56	25.35	28.46	---	27.47	27.99
MAX	28.46	28.26	---	---	26.08	25.68	25.07	25.75	28.69	---	28.39	28.41



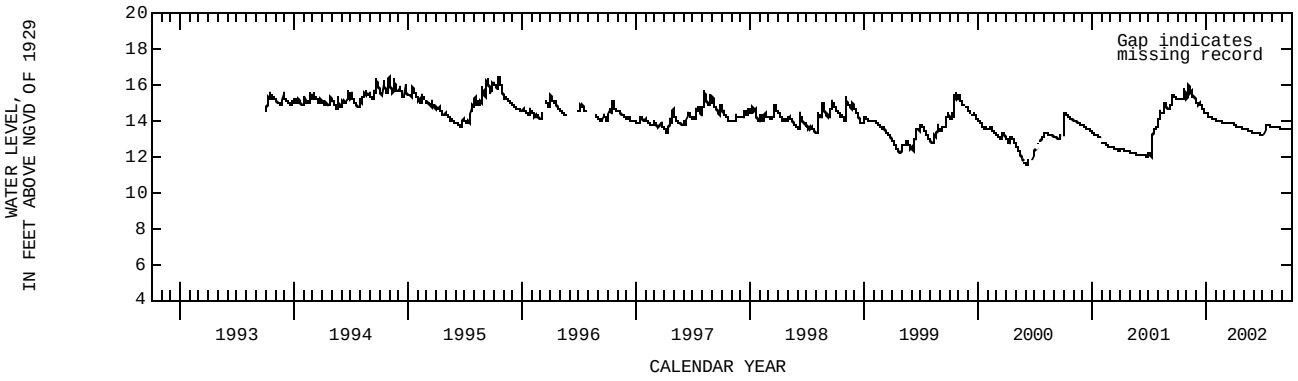
ST. LUCIE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ SE $^{1}/_{4}$ 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 (State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.26	16.03	14.94	14.36	14.05	13.93	13.75	13.55	13.35	13.25	13.68	13.57
10	15.24	15.70	15.00	14.23	14.00	13.92	13.69	13.53	13.32	13.57	13.66	13.55
15	15.22	15.56	14.84	14.25	13.97	13.90	13.65	13.46	13.30	13.73	13.65	13.55
20	15.20	15.34	14.72	14.19	13.95	13.89	13.62	13.43	13.28	13.72	13.63	13.54
25	15.55	15.29	14.54	14.12	13.94	13.85	13.59	13.40	13.27	13.71	13.61	13.52
EOM	15.27	15.09	14.36	14.08	13.93	13.81	13.57	13.36	13.25	13.69	13.57	13.51
MAX	15.77	16.03	15.05	14.41	14.06	13.93	13.80	13.57	13.36	13.73	13.69	13.57



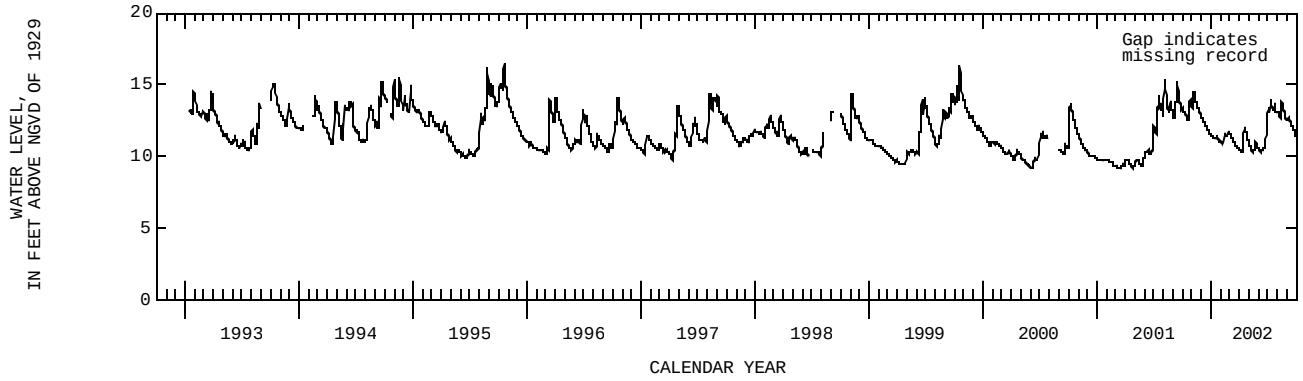
ST. LUCIE COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ NE $^{1}/_{4}$ sec.26, T.35 S., R.39 E., Hydrologic Unit 03090202, 15 ft east of Gordy Road, 1 mi south of State Road 70. The intersection of Gordy Road and State Road 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.09	14.45	12.52	11.46	10.90	11.44	10.43	10.68	10.40	13.22	13.11	12.68
10	13.02	13.95	12.35	11.28	10.93	11.19	10.24	10.44	10.50	13.89	12.74	12.56
15	12.70	13.77	12.11	11.29	11.46	10.97	11.60	10.39	10.36	13.37	13.84	12.23
20	12.59	13.33	11.90	11.32	11.30	10.78	11.88	11.00	10.64	13.19	13.39	11.93
25	13.90	13.08	11.72	11.15	11.72	10.59	11.46	10.92	11.21	13.58	12.89	11.75
EOM	13.47	12.79	11.47	10.94	11.62	10.45	11.10	10.61	11.90	13.00	12.46	11.43
MAX	13.93	14.54	12.72	11.49	11.74	11.63	11.97	11.07	11.90	13.97	13.85	12.73



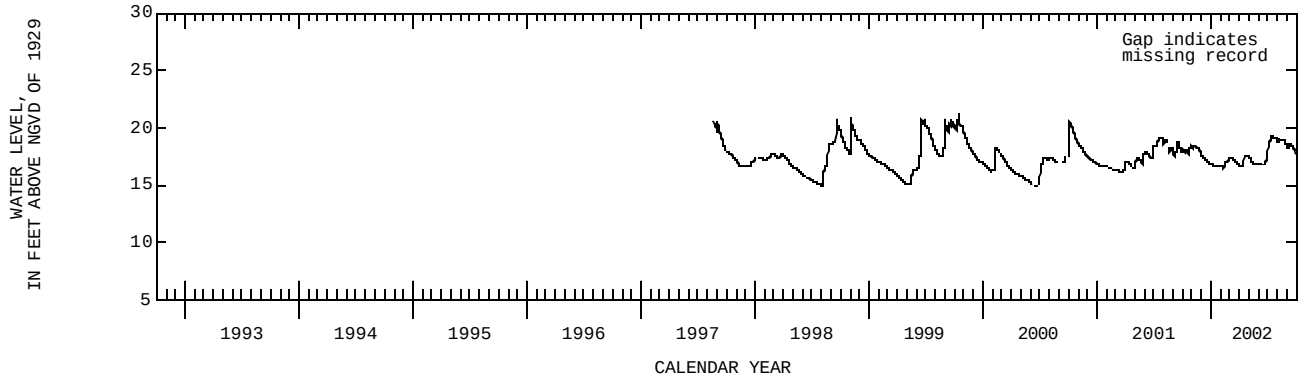
ST. LUCIE COUNTY--Continued

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 $^{1}/_{4}$ NE $^{1}/_{4}$ 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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.99	18.32	17.47	16.76	16.65	17.35	16.68	17.29	16.78	18.62	18.89	18.35
10	17.99	18.39	17.34	16.71	16.56	17.26	16.61	17.09	---	19.08	---	18.54
15	18.01	18.31	17.22	16.67	16.91	17.14	17.06	16.89	16.71	19.23	19.00	18.50
20	17.77	18.25	17.09	16.71	16.97	17.01	17.57	16.83	---	19.13	18.99	18.25
25	18.30	17.99	16.96	16.70	17.25	16.87	17.57	16.88	17.05	19.18	18.78	17.99
EOM	18.36	17.70	16.82	16.67	17.36	16.76	17.47	16.85	17.53	18.90	18.45	17.78
MAX	18.40	18.39	17.67	---	17.36	17.36	17.57	17.43	---	19.23	---	18.54



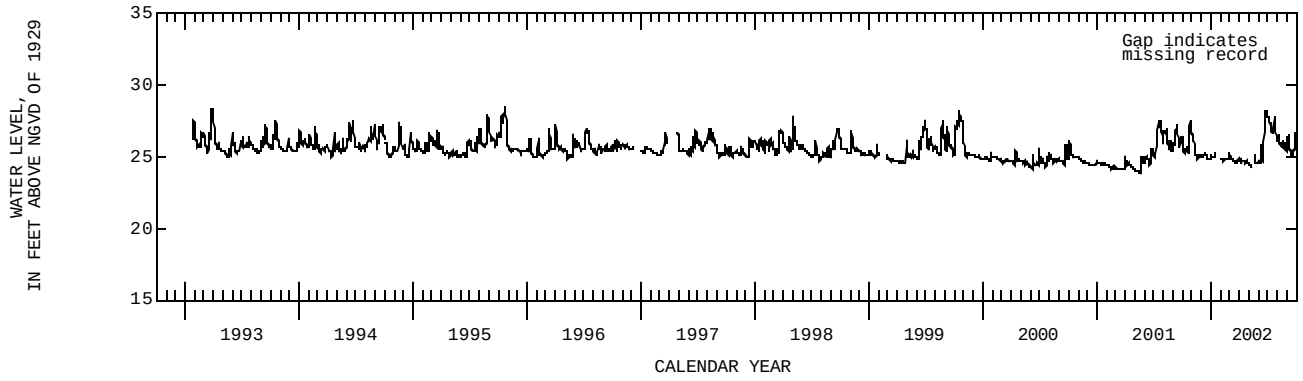
ST. LUCIE COUNTY--Continued

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 $^{1}/_{4}$ NW $^{1}/_{4}$ sec.7, T.35 S., R.37 E., Hydrologic Unit 03090202, 85 ft north of State Road 68, 9.8 mi east of U.S. Highway 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 13 to 18 ft. (Corrected).
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 U.S. 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.44	26.34	25.04	24.86	24.80	24.87	24.81	24.42	24.60	27.35	26.30	26.47
10	25.45	25.36	25.21	24.98	24.75	24.80	24.54	24.29	25.40	27.37	25.82	25.60
15	25.46	25.05	25.11	25.30	24.86	24.72	24.73	24.27	25.02	26.66	25.79	25.19
20	25.10	25.01	24.95	---	24.80	24.62	24.58	25.16	27.24	26.95	25.86	25.20
25	27.53	25.13	24.86	---	24.90	24.68	24.64	24.55	28.17	27.30	25.89	26.60
EOM	26.66	25.11	24.83	24.82	25.27	24.69	24.54	24.71	27.84	25.95	25.49	25.54
MAX	27.53	26.46	25.21	---	25.27	25.09	---	---	28.19	27.79	26.56	26.60



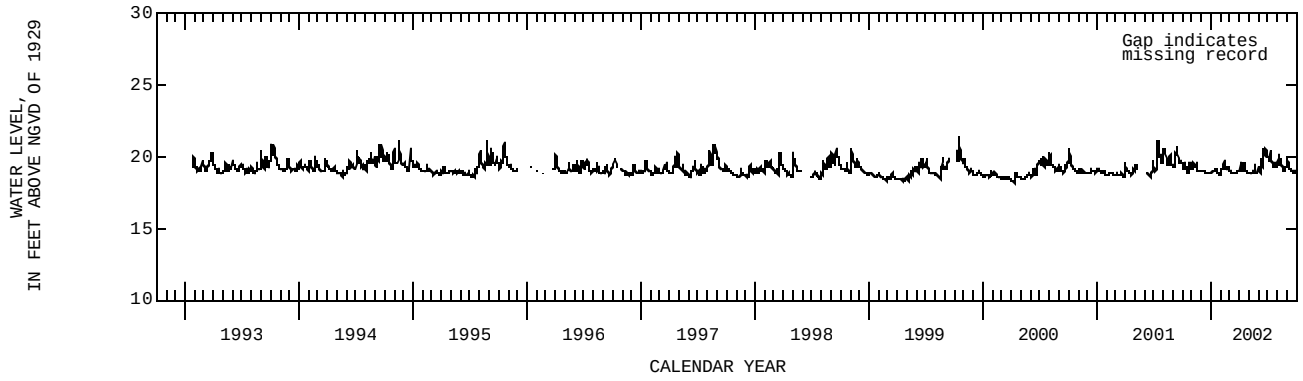
ST. LUCIE COUNTY--Continued

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 1/4 NE 1/4 SE 1/4 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 U.S. Interstate 95 and Indrio Road, on Indrio Road approximately 0.5 mi west of U.S. Interstate 95, approximately 6 mi west of U.S. Highway 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 2001 TO SEPTEMBER 2002
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.18	19.49	19.00	18.98	19.09	18.93	19.43	18.81	18.98	19.81	20.08	19.41
10	19.45	19.19	18.96	19.02	19.38	18.88	19.01	18.83	19.56	20.38	19.41	19.13
15	19.05	19.45	18.89	19.17	19.33	18.89	19.55	18.97	20.17	19.58	19.43	19.05
20	18.93	19.05	18.86	18.89	19.04	18.82	19.10	19.43	20.21	19.24	19.12	18.91
25	19.47	19.03	18.85	18.78	19.24	18.95	18.93	18.88	20.49	19.27	18.97	19.04
EOM	19.16	19.00	18.79	18.72	19.03	18.88	18.93	19.25	19.99	19.08	19.39	18.86
MAX	19.57	19.53	19.01	19.17	19.73	19.05	19.58	19.43	20.56	20.39	20.08	19.79



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CONVERSION FACTORS

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$°F = (1.8 \times °C) + 32$

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