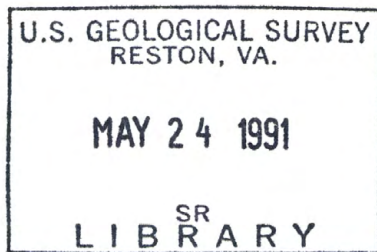
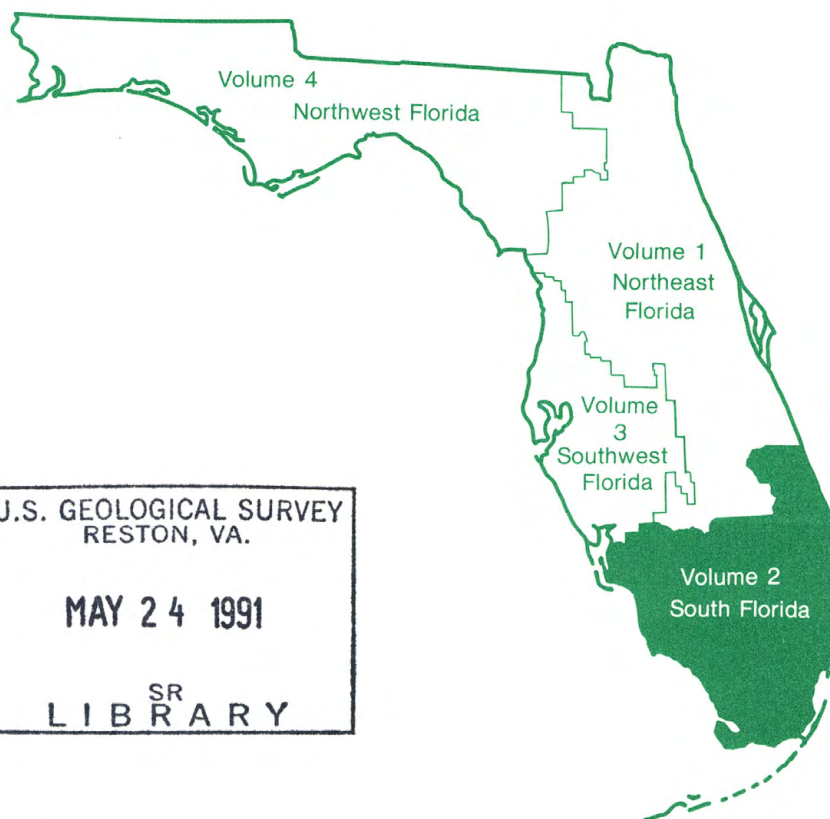


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Water Resources Data Florida Water Year 1990

Volume 2B. South Florida Ground Water



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-90-2B
Prepared in cooperation with the State of Florida
and with other agencies

CALENDAR FOR WATER YEAR 1990

1989

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4						1	2
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30
														31						

1990

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6					1	2	3					1	2	3
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24
28	29	30	31				25	26	27	28				25	26	27	28	29	30	31

APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7			1	2	3	4	5						1	2
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23
29	30						27	28	29	30	31			24	25	26	27	28	29	30

JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7				1	2	3	4							1
8	9	10	11	12	13	14	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	31					26	27	28	29	30	31		23	24	25	26	27	28	29
														30						



Water Resources Data Florida Water Year 1990

Volume 2B. South Florida Ground Water
by W.J. Haire and C. Lietz



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-90-2B
Prepared in cooperation with the State of Florida
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR
MANUEL LUJAN, JR., Secretary

GEOLOGICAL SURVEY
Dallas L. Peck, Director

Prepared in cooperation with the
State of Florida
and with other agencies as listed
under cooperation

For additional information write to
Subdistrict Chief, Water Resources Division
U.S. Geological Survey
9100 N.W. 36th Street
Suites 106 & 107
Miami, Florida 33178
Telephone: (305) 536-5382

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.

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

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data. This report was prepared for publication by N. D. Verjano under the supervision of W. J. Haire, A. C. Lietz, and E. Price. 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.

Miami Subdistrict Office

J. B. Barbary	S. A. Hill	J. B. Overholser
J. W. Carroll	N. L. Hufnagel	E. Patino
G. D. Cartano	R. L. Kane	G. C. Romero
J. C. Cottingham	R. K. Krulikas	D. F. Skipper
M. J. Diamond	H. R. LaRose	R. J. Southwood
J. F. Dickson	A. C. Lietz	D. A. Walters
J. J. Fontana	D. J. McKenzie	J. S. Whitley
R. F. Freret	P. M. Messer	D. K. Williams
J. J. Harmon	M. H. Murray	
B. A. Hill	M. A. Oliver	

This report was prepared in cooperation with the State of Florida and with other agencies under the general supervision of I. H. Kantrowitz, District Chief, Florida.

Hydrologic data for south Florida are contained in two volumes:

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

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15. Supplementary Notes Prepared in cooperation with the State of Florida and other agencies.			
16. Abstract (Limit: 200 words) Water resources data for the 1990 water year in Florida consists of continuous or daily discharge for 349 streams, periodic discharge for 40 streams, miscellaneous discharge for 75 streams, continuous or daily stage for 105 streams, periodic stage for 25 streams, peak discharge for 41 streams, continuous daily tide stage for 12 streams, and peak stage for 40 streams, continuous or daily elevations for 70 lakes, periodic elevations for 70 lakes; continuous ground-water levels for 441 wells, periodic ground-water levels for 1,229 wells, and miscellaneous water level measurements for 1,908 wells; quality of water data for 145 surface-water sites and 799 wells. The data for South Florida include continuous or daily discharge for 75 streams, continuous or daily stage for 84 streams, continuous elevation for 1 lake; continuous ground-water levels for 184 wells, periodic ground-water levels for 873 wells, and miscellaneous water-level measurements for 317 wells; quality-of-water for 15 surface-water sites and 541 wells. This data represent the National Water Data System records collected by the U.S. Geological Survey and cooperation with local, state, and federal agencies in Florida.			
17. Document Analysis a. Descriptors *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 b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
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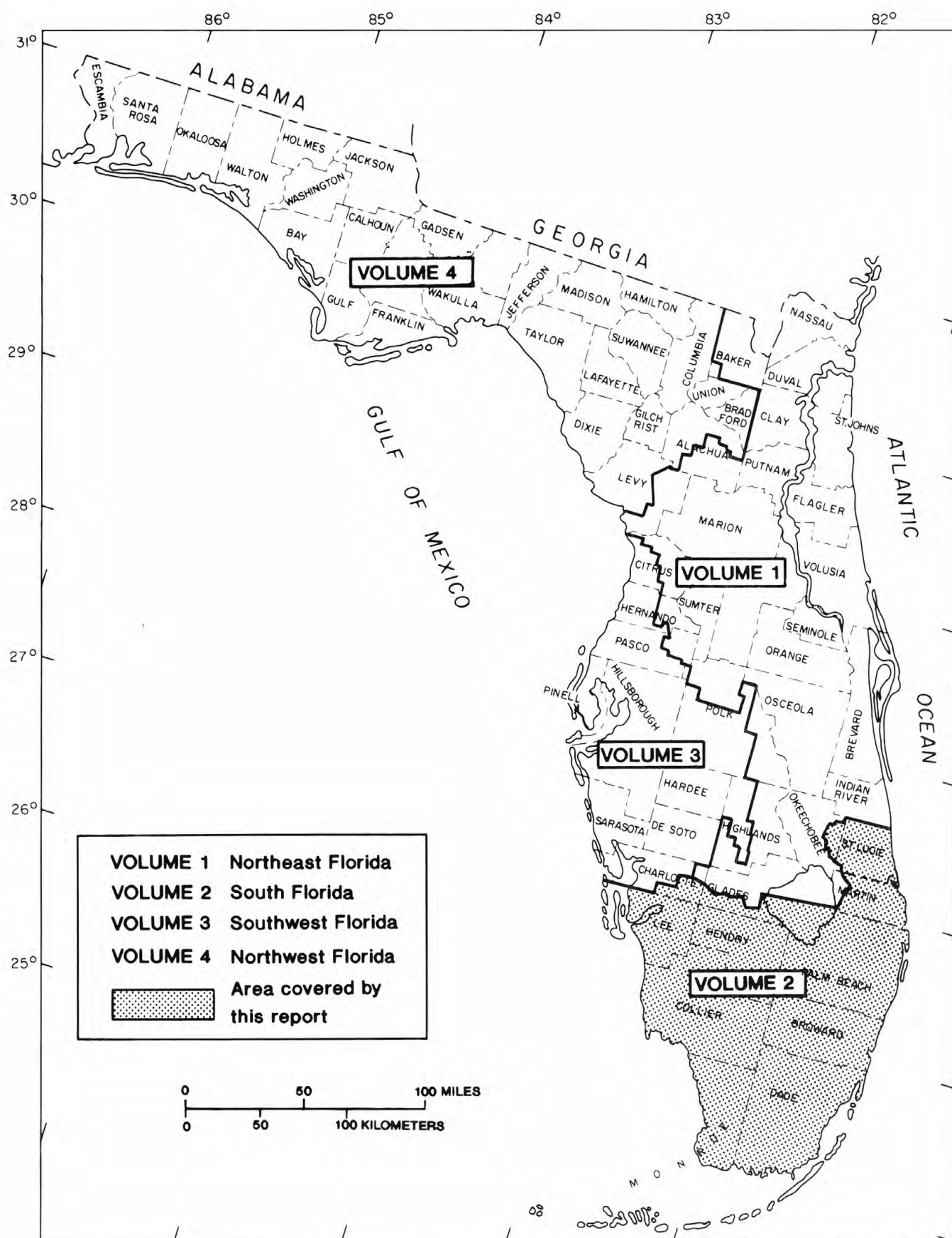


Figure 1. Geographic area covered by this report

CONTENTS

	Page
Preface.....	III
Introduction.....	1
Cooperation.....	1
Summary of hydrologic conditions.....	2
Special networks and programs.....	3
Explanation of the records.....	4
Station identification numbers.....	4
Downstream order system.....	4
Latitude-longitude system.....	4
Records of stage and water discharge.....	5
Data collection and computation.....	5
Data presentation.....	5
Identifying estimated daily discharge.....	7
Accuracy of the records.....	7
Other records available.....	7
Records of surface-water quality.....	7
Classification of records.....	7
Arrangement of records.....	7
On-site measurements and sample collection.....	8
Water temperature.....	8
Sediment.....	8
Laboratory measurements.....	8
Data presentation.....	8
Remarks codes.....	9
Records of ground-water levels.....	9
Data collection and computation.....	9
Data presentation.....	10
Records of ground-water quality.....	10
Data collection and computation.....	10
Data presentation.....	10
Access to WATSTORE data.....	11
Definition of terms.....	12
Publications on Techniques of Water-Resources Investigations.....	17
Selected references.....	19
Well Descriptions and Ground-Water Data.....	21
Broward County.....	22
Miscellaneous Water-Level Measurements.....	42
Quality of Ground Water.....	52
Collier County.....	62
Miscellaneous Water-Level Measurements.....	146
Quality of Ground Water.....	147
Dade County.....	154
Miscellaneous Water-Level Measurements.....	187
Quality of Ground Water.....	194
Glades County.....	200
Hendry County.....	206
Miscellaneous Water-Level Measurements.....	233
Quality of Ground Water.....	234
Lee County.....	236
Miscellaneous Water-Level Measurements.....	340
Quality of Ground Water.....	342
Martin County.....	352
Miscellaneous Water-Level Measurements.....	371
Quality of Ground Water.....	377
Palm Beach County.....	382
Miscellaneous Water-Level Measurements.....	403
Quality of Ground Water.....	411
St. Lucie County.....	418
Miscellaneous Water-Level Measurements.....	423
Quality of Ground Water.....	425
Index to Introductory Text.....	427

ILLUSTRATIONS

Figure 1. Geographic area covered by this report.....	V
Figure 2. NASQAN stations in Florida.....	3
Figure 3. System for numbering wells and miscellaneous sites.....	4
Figure 4. Location of wells in Broward County.....	23
Figure 5. Location of wells in Collier County.....	63
Figure 6. Location of wells in Dade County.....	155
Figure 7. Location of wells in Glades County.....	201
Figure 8. Location of wells in Hendry County.....	207
Figure 9. Location of wells in Lee County.....	237
Figure 10. Location of wells in Martin County.....	353
Figure 11. Location of wells in Palm Beach County.....	383
Figure 12. Location of wells in St. Lucie County.....	419

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, 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.

The data for south Florida include continuous or daily discharge for 61 streams, continuous or daily stage for 80 streams, and peak stage for 12 streams; continuous elevations for 1 lake; continuous ground-water levels for 220 wells, periodic ground-water levels for 320 wells, and miscellaneous water-level measurements for 329 wells; quality-of-water data for 3 surface-water sites and 545 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. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Florida were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, Books and Open-File Reports, Federal Center, Building 41, Box 25425, Denver, CO 80225.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report FL-90-2B." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the Office Chief at the address given on the back of the title page or by telephone (305) 648-6191.

COOPERATION

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

Broward County Environmental Quality Control Board
Broward County Utilities Division
City of Boca Raton
City of Cape Coral
City of Fort Lauderdale
City of Hallandale
City of Hollywood
City of Pompano Beach
City of Stuart
Corps of Engineers, U.S. Army
County of Broward
County of Dade
County of Lee
County of Palm Beach

Florida Department of Environmental Regulation
Florida Department of Transportation
Florida Division of Parks and Recreation
Florida Keys Aquaduct Authority
Miami-Dade Water and Sewer Authority
National Aeronautics and Space Administration
National Park Service, U.S. Department of the Interior
Palm Beach County Solid Waste Authority
Reedy Creek Improvement District
South Dade Soil and Waste Conservation District
South Florida Water Management District
Town of Highland Beach
U.S. Air Force
U.S. Environmental Protection Agency

Assistance with funds or services was given by the U.S. Army Corps of Engineers, Jacksonville District, in collecting records at hydrologic stations throughout the Subdistrict.

Organizations that provided data are acknowledged in station descriptions.

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

SUMMARY OF HYDROLOGIC CONDITIONS

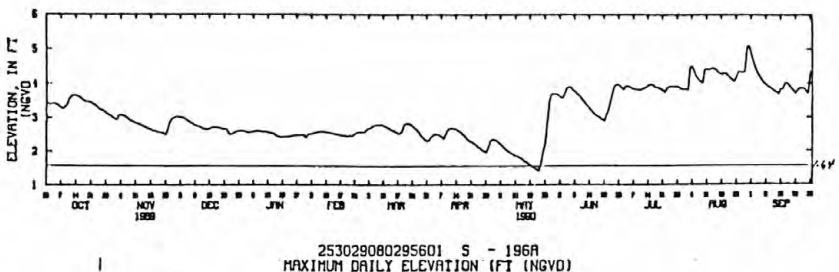
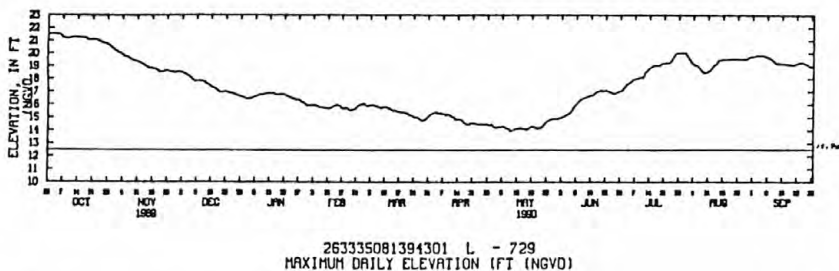
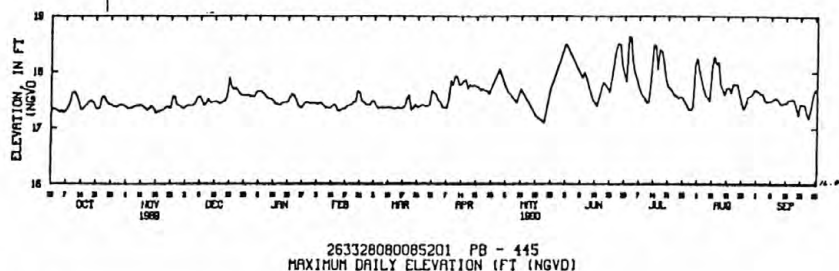
South Florida started 1990 water year under the long term drought conditions. During October the rainfall was above normal in the Lake Okeechobee basin but lake stage remained below 13.00 ft. November found the dry conditions continuing with below normal rainfall for south Florida except around the Thanksgiving Holidays when a cold front dropped up to 6 inches in two days in Dade County. As November ended, a tropical depression that formed over the Caribbean was anticipated to travel just south of the Keys. The depression intensified into tropical storm Karen but was kept from the south Florida area by a cold front. A series of cold fronts during December supplied above normal rainfall to south Florida except for the lower east coast, which averaged 71% of normal. A freeze occurred on December 24, 25.

January had well above normal temperatures and below normal rainfall. February began with the continuation of the warm, dry trend of January but some rain did occur over the southern part of the Everglades agricultural area and water conservation area later in the month. March was dry overall with only 60% of normal rainfall and Lake Okeechobee began to drop in elevation.

All of south Florida received below normal rainfall except lower east coast during April. May began dry but significant rainfall occurred during last two weeks. The 6.32 inches of rainfall along the lower east coast during May was the most since last August and the second highest since the current drought began in September 1988. A tropical depression tracked over Key West before dissipating. June was another month when below normal rainfall occurred. June is normally the rainiest month of the year for south Florida.

Rainfall was normal for July. A weak tropical wave brushed south Florida on the 9th producing only moderate rains. A tropical wave moved across on the 17th but also only produced moderate rainfall. The tropics started becoming active towards the end of July. Tropical storm Arthur formed. Then Hurricane Bertha formed about 300 miles off the east coast of Florida. Neither came across Florida to help in producing rainfall. Rainfall for August was above normal and evenly distributed. There were a total of six storms named during the month but none of them came close to south Florida. Only two of the storms became hurricanes, Hurricane Diana and Hurricane Gustav. September 1990 marks the third year in a row of well below normal September rainfall across south Florida. There was a rather unusual cold front during the month that occurred on the 24th bringing in the coldest weather since last spring.

The following hydrographs show representative stations in three counties, the lows that occurred this year compared to minimum for Period of Record prior to 1990 Water Year.



SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 500 or so sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council.

The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research. The NASQAN stations in Florida are shown in figure 6.

Tritium Network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.



Figure 2. NASQAN stations in the State of Florida.

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1990 water year that began October 1, 1989, and ended September 30, 1990. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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 below.)

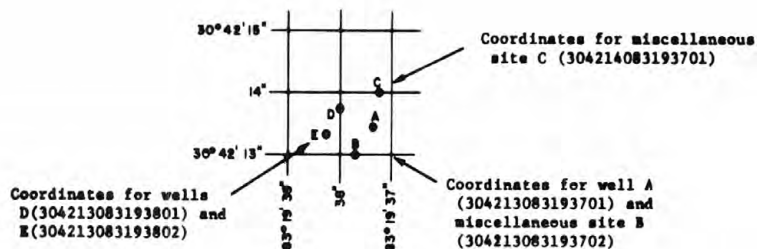


Figure 3. System for numbering wells and miscellaneous sites.
(latitude and longitude)

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 A6.

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.

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

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location, period of record, average discharge, historical extremes, 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.

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

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.

DRAINAGE AREA.--Drainage areas are delineated and measured using the most accurate topographic maps available, and are updated as necessary.

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.--Published records, because of new information, 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 DEFINITION OF TERMS), 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.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development. The median of yearly mean discharges also is given under this heading for stations having 10 or more water years of record, if the median differs from the average given by more than 10 percent.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. 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, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

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.

The daily table for stream-gaging stations gives mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the 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 are omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate

discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

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 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures for more than 1,000 ft³/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.

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

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

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.

Onsite 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 given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4. All of these references are listed under "PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS" which appears at the end of the introductory text. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey office.

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.

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 analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chap. D2; Book 3, Chap. C2; Book 5, Chap. A1, A3, and A4.

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.

Remark Codes

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

Printed output	Remark
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted)
D	Biological organism count equal to or greater than 15 percent (dominant)
&	Biological organism estimated as dominant

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.

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

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

Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. 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.

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.

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 reference to National Geodetic Vertical Datum of 1929, 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.

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 Techniques of Water-Resources Investigations" manuals listed at the end of the introductory text. 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. 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 WATSTORE DATA

The National Water Data Storage and Retrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from the offices whose addresses are given on the back of the title page.

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System (SI) Units on the inside of the back cover.

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

Algae are mostly aquatic single-celled, colonial, or multi-celled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

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

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

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

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which 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.

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

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 micro-organisms, such as bacteria.

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

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. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square mile (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 105°C for zooplankton and periphyton, 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.

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which 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, usually milliliters (mL) or liters (L).

Cfs-day (cubic feet per second per day) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

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

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 natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

Color unit is produced by one milligram per liter of platinum in the form of the chloro-platinate ion. Color is expressed in units of the platinum-cobalt scale.

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.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, 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 (ft^3/s or cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

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

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45 μm membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water 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 of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an eight-digit number.

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

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

Micrograms per gram ($\mu\text{g}/\text{g}$) 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 liter ($\mu\text{g}/\text{L}$, $\mu\text{g}/\text{L}$) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L , mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

Organism is any living entity.

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.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Parameter code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific constituent. The codes used in WATSTORE are the same as those used in the U.S. Environmental Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of a particle determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) 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 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.....	.004 - .062	Sedimentation
Sand.....	.062 - 2.0	Sedimentation or sieve
Gravel.....	2.0 - 64.0	Sieve

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

Percent composition 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, mass, or volume.

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

Picocurie (PC, pCi) is one millionth of the amount of radioactivity represented by a micro-curie, which is the quantity of radiation represented by one millionth of a gram of radium-226. A picocurie of radium results in 2.22 disintegrations per minute.

Recoverable from 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.

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Bed load is the sediment that is transported in a stream by rolling, sliding, or skipping along the bed and very close to it. In this report, bed load is considered to consist of particles in transit within 0.25 ft of the streambed.

Bed load discharge (tons per day) is the quantity of bed load measured by dry weight that moves past a section as bed load in a given time.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

Suspended-sediment discharge (tons/day) is the rate at which dry mass of sediment passes a section of a stream or is the quantity of sediment, as measured by dry mass or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft³/s) x 0.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

Total-sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry mass or volume, that passes a section during a given time.

Total-sediment load or total load is a term which refers to the total sediment (bed load plus suspended-sediment load) that is in transport. It is not synonymous with total-sediment discharge.

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. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water, per unit of time, flowing in a channel.

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.

Surface area of a lake is that area outlined on the latest USGS topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimeted. All areas shown are those for the stage when the planimeted map was made.

Surficial bed material is the part (0.1 to 0.2 ft) 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 associated with the material retained on a 0.45 μ m filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 μ m membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 μ m membrane filter. 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 determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

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

Kingdom.....	Animal
Phylum.....	Arthropoda
Class.....	Insecta
Order.....	Ephemeroptera
Family.....	Ephemeridae
Genus.....	Hexagenia
Species.....	Hexagenia limbata

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

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

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 that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 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) is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Total is the total amount of a given constituent in a representative water-suspended sediment 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 all of the constituent in the sample.)

Total discharge is the total quantity of any individual constituent, as measured by dry mass or volume, that passes through a stream cross section per unit of time. This term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment 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, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1990, is called the "1990 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.

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

PUBLICATION OF TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

The reports listed below are for sale by the U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 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, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 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, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and Warren E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3. Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 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, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F. A. Kilpatrick, R. E. Rathbun, N. Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels of streamflow gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by Richard L. Cooley and Richard L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 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, Chapter B5. 1987. 15 pages.
- 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, Chapter B6. 1987. 28 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. J. Fishman and L. C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 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, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L. J. Britton and P. E. Greenson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 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, Chapter A5. 1977. 95 pages.
- 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, Chapter A6. 1982. 181 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 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, Chapter C1. 1976. 116 pages.
- 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, Chapter C2. 1978. 90 pages.
- 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, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

WATER RESOURCES DATA - FLORIDA, 1990
Volume 2B: South Florida

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WELL DESCRIPTIONS AND GROUND-WATER DATA

WATER RESOURCES DATA FOR FLORIDA, 1990
VOLUME 2B: SOUTH FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 4
BROWARD COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	255807080224301	G 1636	24
2	255916080085401	G 1472	24
2	255918080091801	G 1473	25
3	260010080085001	F 291	25
26	260215080214501	G 2495	26
4	260025080230401	G 1222	26
5	260032080135701	G 1225	27
6	260040080104401	G 2035	27
6	260053080105701	G 1226	28
7	260653080184901	G 2034	28
8	260219080141101	G 1223	29
9	260252080085301	G 1224	29
10	260253080184801	G 1322	30
10A	260458080134801	G 1221	30
11	260515080202101	G 617	31
12	260545080082001	G 561	31
13	260657080122301	S 329	32
14A	260753080253701	G 2376	32
14	260752080084701	G 1220	33
15	260821080185101	G 2032	33
16	261141080163401	G 2033	34
17	261144080094601	G 820A	34
18	261147080114501	G 2395	35
18	261152080115201	G 1262	35
28	261238080105501	G 2444	36
29	261337080103401	G 2443	36
19	261434080071901	G 853	37
19A	261441080111301	G 1316	37
19	261501080060701	G 2147	38
21	261534080165801	G 2031	38
22	261645080064701	G 1215	39
23	261708080090801	G 1315	39
24	261710080135001	G 616	40
25	261734080111301	G 1213	40
27	261903080065601	G 1260	41

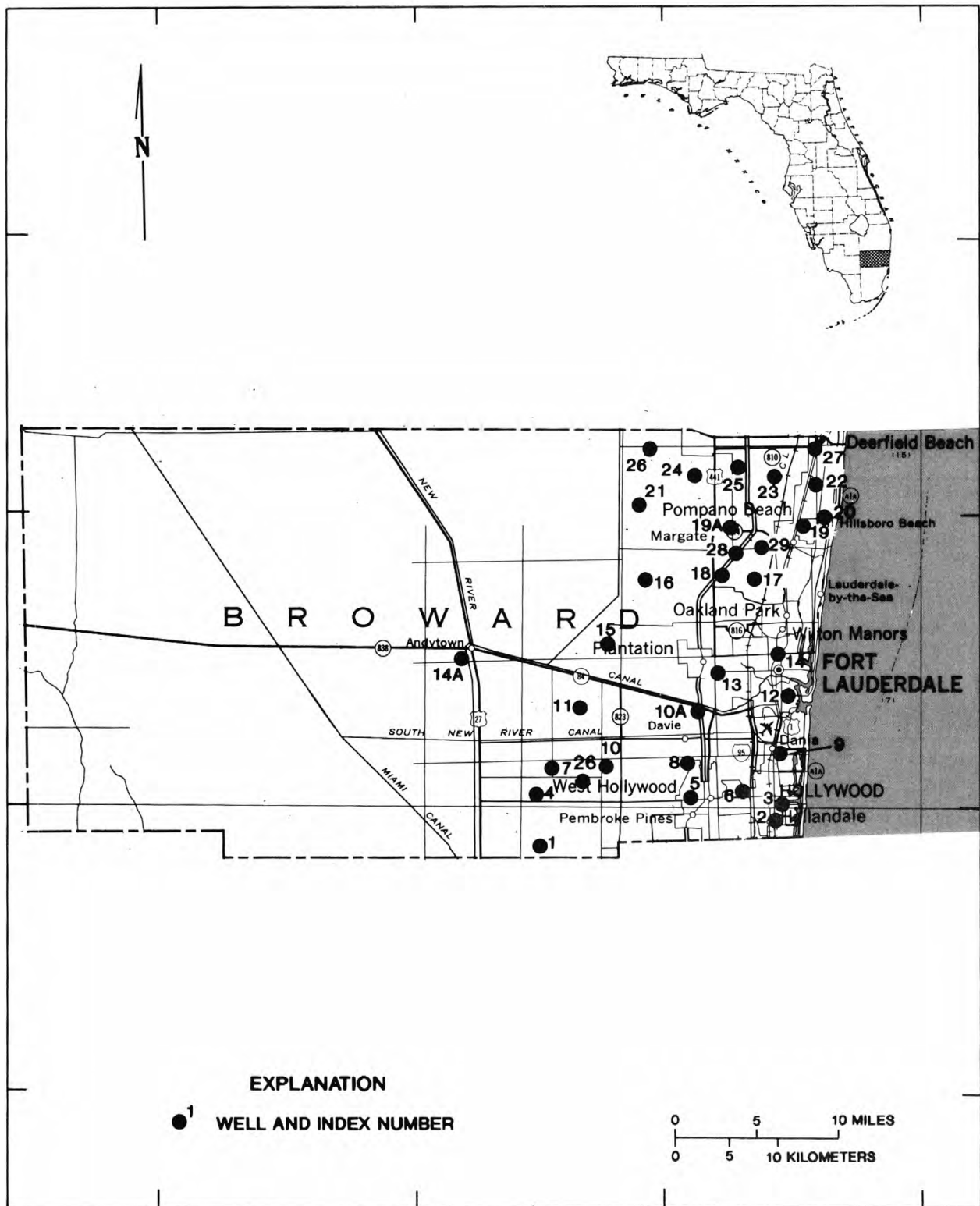


Figure 4: Location of wells in Broward County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--255807080224301. Local Number G 1636. USGS Observation Well near Carol City, FL.

LOCATION.--Lat 25°58'07", long 80°22'43", in SE¼NE¼ sec.31, T.51 S., R.40 E., Hydrologic Unit 03090202, at radio towers west of Southwest 172nd Avenue, 3 mi south of State Highway 820, 4 mi west of Flamingo Road, and 5.8 mi northwest of Carol City.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

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.

PERIOD OF RECORD.--September 1971 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.01 ft NGVD, Apr. 28, 1979; lowest, 1.79 ft NGVD, May 23, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.68	2.51	2.49	2.52	2.46	2.33	2.34	2.53	3.17	3.40	3.05	2.90
10	3.10	2.47	2.48	2.49	2.32	2.20	2.71	2.48	3.18	2.97	3.36	2.76
15	2.84	2.43	2.45	2.42	2.27	2.07	2.98	2.57	2.88	3.13	3.55	2.87
20	2.68	2.34	2.49	2.41	2.82	2.30	2.98	2.34	2.66	2.88	3.98	2.95
25	2.61	2.30	2.52	2.36	2.59	2.15	2.85	3.06	3.13	2.84	3.58	3.37
EOM	2.54	2.58	2.52	2.50	2.44	2.64	2.74	3.36	3.06	2.99	3.12	3.21
MEAN	2.75	2.45	2.49	2.45	2.45	2.22	2.72	2.68	3.06	3.03	3.43	3.02
MAX	3.19	2.62	2.58	2.55	2.83	2.64	2.99	3.42	3.36	3.81	4.15	3.74
MIN	2.54	2.30	2.42	2.32	2.20	2.03	2.25	2.30	2.66	2.67	2.76	2.71
WTR YR 1990	MEAN	2.73	MAX	4.15	AUG 18	MIN	2.03	MAR 30				

WELL NUMBER.--255916080085401. Local Number G 1472. USGS Observation Well at Hallandale, FL.

LOCATION.--Lat 25°59'16", long 80°08'54", in NW¼NW¼ sec.27, T.51 S., R.42 E., Hydrologic Unit 03090202, 40 ft east of FEC railroad tracks, 300 ft south of Northeast 2nd Street in Hallandale, and 0.5 mi west of U.S. Highway 1.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.76 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, land-surface datum was considered to be 10.00 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 3.00 ft above land-surface datum. (Corrected).

PERIOD OF RECORD.--October, 1969 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1, 1980 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.33 ft NGVD, May 30, 1984; lowest, 0.23 ft NGVD, revised, Apr. 14, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.50	1.35	1.03	.82	.68	.79	1.10	1.32	2.68	2.86	1.72	2.15
10	1.54	1.31	.97	.78	.60	.81	1.60	2.00	2.96	2.34	1.78	1.93
15	1.49	1.27	.92	.74	.64	.77	1.74	1.93	2.92	2.03	2.11	1.69
20	1.35	1.15	.88	.71	.54	.88	1.69	1.59	2.35	2.26	2.36	2.15
25	1.53	1.04	.94	.63	.69	.82	1.59	1.96	3.17	2.04	3.17	2.05
EOM	1.41	1.12	.87	.79	.68	1.02	1.50	3.15	3.39	1.98	2.48	2.96
MEAN	1.46	1.25	.95	.75	.65	.81	1.48	1.85	2.89	2.34	2.22	2.10
MAX	1.58	1.41	1.09	.86	.78	1.02	1.79	3.16	3.59	3.24	3.17	2.96
MIN	1.25	1.04	.84	.62	.51	.74	1.03	1.24	2.13	1.96	1.72	1.65
WTR YR 1990	MEAN	1.57	MAX	3.59	JUN 26	MIN	.51	FEB 22				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

25

BROWARD COUNTY

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

LOCATION.--Lat 25°59'18", long 80°09'18", in NW¼NE¼ sec.28, T.51 S., R.42 E., Hydrologic Unit 03090202, 40 ft southwest of water tank in the Hallandale Water Plant at Northwest 6th Avenue and 2nd Street in Hallandale.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.95 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, land-surface datum was considered to be 11.22 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--November, 1969 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1980, are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.37 ft NGVD, May 29, 1984; lowest, 0.21 ft NGVD, revised, April 19, 21, and 22, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.36	1.24	1.00	.83	.74	.78	1.00	1.21	2.36	2.32	1.45	1.82
10	1.30	1.20	.95	.80	.63	.79	1.45	1.83	2.72	1.89	1.47	1.69
15	1.32	1.16	.89	.77	.66	.75	1.66	1.73	2.62	1.67	1.74	1.45
20	1.21	1.05	.87	.75	.56	.84	1.62	1.42	2.06	1.90	1.95	1.76
25	1.39	.96	.90	.66	.64	.80	1.54	1.75	2.96	1.75	2.60	1.68
EOM	1.29	1.07	.88	.81	.67	.88	1.40	2.94	2.90	1.64	2.13	2.60
MEAN	1.30	1.14	.93	.77	.66	.78	1.39	1.70	2.59	1.94	1.84	1.79
MAX	1.41	1.26	1.07	.88	.80	.88	1.69	2.99	3.14	2.73	2.60	2.60
MIN	1.13	.96	.85	.66	.52	.71	.92	1.14	1.88	1.62	1.45	1.42
WTR YR 1990	MEAN	1.40	MAX	3.14	JUN 27 AND OTHERS	MIN	.52	FEB 22				

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

LOCATION.--Lat 26°00'10", long 80°08'50", in NW¼NW¼ sec.22, T.51 S., R.42 E., Hydrologic Unit 03090202, at South 20th Avenue and Dewey Street in Hollywood, and 1.1 mi west of U.S. Highway 1.

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

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

INSTRUMENTATION.--Satellite Data Collection Platform. Prior to May 31, 1990 digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.90 ft above land-surface datum.

REMARKS.--Water levels estimated May 30 - June 5, 1990 water year.

PERIOD OF RECORD.--January 1939 to current year. Records of water levels prior to January, 1957 are available in files of the Geological Survey.

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.49	1.44	1.13	.94	.81	.91	1.21	1.32	2.70	2.51	1.62	1.98
10	1.45	1.41	1.09	.90	.73	.94	1.62	1.96	2.95	2.04	1.63	1.88
15	1.48	1.33	1.02	.87	.76	.90	1.72	1.85	2.77	1.82	2.04	1.64
20	1.37	1.21	.99	.84	.65	1.03	1.69	1.54	2.23	2.07	2.08	1.99
25	1.50	1.12	1.03	.74	.74	.98	1.66	1.86	2.98	1.99	2.62	1.88
EOM	1.46	1.21	1.01	.93	.78	1.07	1.50	3.22	3.11	1.77	2.30	2.94
MEAN	1.45	1.32	1.06	.88	.76	.94	1.52	1.83	2.79	2.12	2.00	1.98
MAX	1.56	1.46	1.20	1.01	.91	1.07	1.75	3.28	3.38	2.92	2.62	2.94
MIN	1.27	1.12	.97	.74	.61	.81	1.12	1.28	2.02	1.77	1.62	1.62
WTR YR 1990	MEAN	1.56	MAX	3.38	JUN 27 AND OTHERS	MIN	.61	FEB 22				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--260215080214501. Local Number G 2495. USGS Observation Well near Cooper City, FL.

LOCATION.--Lat 26°02'15", long 80°21'45", in SE&SE&NE& sec.5, T.51 S., R.40 E., Hydrologic Unit 03090202, 1.5 mi north of Sheridan Street and 140 ft west of Dykes Road.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft cased to 7.1 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 4.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.54 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.32 ft NGVD, May 28, 1990; lowest, 2.48 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5					---	3.39	3.32	2.91	4.58	3.72	3.92	4.34
10					3.44	3.20	3.59	2.93	4.48	3.77	4.39	3.56
15					3.28	3.04	3.04	2.84	3.73	4.35	5.20	3.79
20					4.03	3.59	2.99	2.54	3.22	3.78	4.84	3.32
25					3.75	3.18	3.10	3.15	4.67	3.76	4.72	3.51
EOM					3.36	3.71	3.15	5.07	4.03	3.74	4.23	3.78
MEAN					3.57	3.24	3.25	3.18	4.13	3.80	4.53	3.71
MAX					4.12	3.71	3.89	5.32	5.00	4.42	5.24	4.34
MIN					3.18	2.97	2.91	2.48	3.15	3.21	3.62	3.26
WTR YR 1990	MEAN	3.68	MAX	5.32	MAY 28	MIN	2.48	MAY 23				

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

WELL NUMBER.--260025080230401. Local Number G 1222. USGS Observation Well near Pembroke Pines, FL.

LOCATION.--Lat 26°00'25", long 80°23'04", in NW&SE& sec.18, T.51 S., R.41 E., Hydrologic Unit 03090202, 25 ft south of Hollywood Boulevard, 3.0 mi east of U.S. Highway 27, 5.4 mi southeast of Pump Station 9, and 8.0 mi west of Pembroke Pines.

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 11.5 ft.

REVISED RECORDS.--WDR FL-85-2B: 1980.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf 2.21 ft above land-surface datum.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.59 ft NGVD, July 23, 1985 and May 29, 1984; lowest, 1.14 ft NGVD, Apr. 29, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.87	3.06	2.89	3.13	3.24	3.19	2.96	2.72	3.62	3.49	5.02	3.78
10	4.74	3.05	3.00	3.11	3.11	2.98	3.04	2.69	4.00	3.39	3.93	3.52
15	4.10	2.99	3.04	3.09	2.99	2.81	2.95	2.57	3.56	3.96	4.44	3.81
20	3.43	2.89	3.09	3.08	3.59	3.13	2.89	2.51	3.23	3.72	4.54	3.55
25	3.25	2.85	3.07	3.06	3.63	2.83	2.88	3.19	3.70	3.74	4.33	3.88
EOM	3.09	3.09	3.13	3.21	3.35	3.21	2.94	3.72	3.62	4.80	4.07	4.06
MEAN	3.73	3.00	3.05	3.11	3.27	2.98	2.95	2.86	3.68	3.68	4.41	3.79
MAX	4.74	3.11	3.23	3.23	3.82	3.28	3.20	4.12	4.37	4.80	5.21	4.25
MIN	3.09	2.85	2.87	3.01	2.92	2.71	2.82	2.50	3.18	3.36	3.90	3.49
WTR YR 1990	MEAN	3.38	MAX	5.21	AUG 4	MIN	2.50	MAY 22 AND OTHERS				

BROWARD COUNTY

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

LOCATION.--Lat 26°00'32", long 80°13'57", in NE¼SE¼ sec.15, T.41 S., R.41 E., Hydrologic Unit 03090202, at corner of Hollywood Blvd. and Southwest 72nd Avenue in Hollywood.

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 11 ft.

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.67 ft above land-surface datum. (Corrected).

REMARKS.--Water levels estimated Dec. 20 - Jan. 13, 1990 water year.

PERIOD OF RECORD.--January, 1962 to December, 1981. April, 1982 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.20 ft NGVD, Oct. 31, 1969; lowest, 0.70 ft NGVD, April 30 and May 1, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.08	1.75	1.61	1.52	1.43	1.39	1.91	2.12	3.32	3.09	2.35	2.52
10	2.04	1.73	1.55	1.49	1.37	1.38	2.17	2.36	3.93	2.80	2.16	2.63
15	2.09	1.60	1.52	1.40	1.33	1.26	2.37	2.50	3.92	2.61	2.49	2.22
20	1.97	1.49	1.53	1.40	1.28	1.56	2.45	2.18	3.16	2.71	2.52	2.23
25	1.93	1.40	1.62	1.35	1.38	1.48	2.41	2.81	3.18	2.67	2.28	2.10
EOM	1.82	1.77	1.55	1.51	1.39	1.80	2.28	3.89	3.44	2.69	2.66	4.41
MEAN	2.01	1.63	1.58	1.45	1.37	1.41	2.23	2.53	3.55	2.84	2.39	2.52
MAX	2.17	1.83	1.77	1.56	1.50	1.80	2.52	3.98	4.28	3.32	2.66	4.41
MIN	1.82	1.40	1.50	1.34	1.26	1.25	1.82	1.99	2.93	2.59	2.16	2.05
WTR YR 1990	MEAN	2.13	MAX	4.41	SEP 29 AND OTHERS	MIN	1.25	MAR 16				

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

LOCATION.--Lat 26°00'40", long 80°10'44", in SE¼NW¼ sec.17, T.51 S., R.42 E., Hydrologic Unit 03090202, at Hollywood Water Plant at northeast corner of 35th Avenue and Hollywood Blvd., and 0.7 mi west of Interstate 95.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 13.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1972 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.52 ft NGVD, May 29, 1984; lowest, 0.22 ft NGVD, Apr. 25, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.36	1.32	.98	.86	.72	.89	1.24	1.22	2.32	2.07	1.48	1.79
10	1.39	1.26	.95	.84	.70	.92	1.57	1.88	2.83	1.79	1.48	1.73
15	1.38	1.18	.91	.83	.74	.87	1.63	1.67	2.53	1.64	1.73	1.46
20	1.24	1.00	.87	.79	.56	.99	1.59	1.38	1.98	1.82	1.85	1.70
25	1.34	.93	.91	.69	.71	.95	1.59	1.83	2.59	1.80	2.08	1.59
EOM	1.40	1.09	.90	.87	.78	1.01	1.42	2.93	2.58	1.55	2.13	2.82
MEAN	1.31	1.16	.94	.81	.71	.91	1.47	1.72	2.53	1.85	1.75	1.79
MAX	1.46	1.37	1.10	.88	.85	1.01	1.65	3.12	3.11	2.42	2.20	2.82
MIN	1.11	.93	.86	.67	.54	.81	1.09	1.22	1.77	1.55	1.48	1.46
WTR YR 1990	MEAN	1.41	MAX	3.12	MAY 29	MIN	.54	FEB 22				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

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

LOCATION.--Lat 26°00'53", long 80°10'57", in NW¼NW¼ sec.17, T.51 S., R.42 E., Hydrologic Unit 03090202, at center of boulevard 1,500 ft southwest of Johnson Street in Hollywood, 0.3 mi north of Hollywood Blvd., and 1.7 mi east of State Road 441.

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 14 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Water levels estimated Aug. 23 - Sept. 30, 1990 water year.

PERIOD OF RECORD.--January, 1962 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.97 ft NGVD, June 26, 1989; lowest, 0.30 ft NGVD, Apr. 14, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.40	1.37	1.05	.87	.76	.93	1.30	1.26	2.41	2.18	1.54	1.89
10	1.44	1.33	1.04	.83	.72	.96	1.63	2.52	2.89	1.84	1.55	1.83
15	1.43	1.22	.96	.81	.75	.89	1.71	1.74	2.60	1.68	1.84	1.56
20	1.30	1.07	.91	.82	.61	1.05	1.63	1.46	2.06	1.91	1.90	1.80
25	1.37	1.00	.98	.71	.74	.99	1.62	1.91	2.76	1.91	2.18	1.69
EOM	1.40	1.14	.92	.91	.79	1.12	1.45	3.03	2.66	1.62	2.23	2.92
MEAN	1.37	1.21	1.00	.82	.74	.95	1.51	1.83	2.68	1.94	1.81	1.89
MAX	1.51	1.39	1.14	.91	.91	1.12	1.72	3.67	5.55	2.51	2.30	2.92
MIN	1.18	1.00	.91	.69	.59	.84	1.17	1.24	1.82	1.62	1.53	1.56
WTR YR 1990	MEAN	1.48	MAX	5.55	JUN 8	MIN	.59	FEB 22				

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

LOCATION.--Lat 26°02'02", long 80°23'07", in NE¼SE¼ sec.6, T.51 S., R.40 E., Hydrologic Unit 03090202, at South west 178th Avenue (Rolling Oaks Road) and Southwest 68th Court, 1.9 mi south of Griffin Road and east of Mathus Drive, 4.3 mi Southeast of Pump Station 9, and 7.8 mi west of Davie.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 1 and Oct. 4-11, 1990 water year.

PERIOD OF RECORD.--January, 1972 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.19 ft NGVD, July 23, 1985; lowest, 1.49 ft NGVD, May 6, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.87	3.38	3.34	3.64	3.71	3.54	3.35	2.98	4.36	3.56	4.82	3.95
10	4.74	3.36	3.37	3.63	3.57	3.40	3.49	2.85	4.17	3.63	3.98	3.65
15	3.98	3.35	3.42	3.58	3.44	3.24	3.19	2.81	3.68	4.94	5.04	3.86
20	3.72	3.26	3.42	3.57	4.14	3.65	3.06	2.61	3.48	3.91	4.73	3.48
25	3.59	3.21	3.59	3.54	3.92	3.24	3.14	2.98	4.01	4.01	4.53	3.84
EOM	3.39	3.41	3.60	3.68	3.58	3.62	3.15	5.30	3.57	4.52	3.99	4.00
MEAN	3.87	3.33	3.46	3.60	3.70	3.37	3.30	3.21	3.97	3.96	4.55	3.80
MAX	4.74	3.41	3.63	3.68	4.36	3.66	4.25	5.82	4.91	5.29	5.59	4.29
MIN	3.39	3.21	3.23	3.49	3.35	3.13	3.01	2.53	3.43	3.49	3.87	3.47
WTR YR 1990	MEAN	3.68	MAX	5.82	MAY 28	MIN	2.53	MAY 23				

BROWARD COUNTY

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

LOCATION.--Lat 26°02'19", long 80°14'11", in SE¼NE¼ sec.3, T.41 S., R.41 E., Hydrologic Unit 03090202, north of Northwest 33rd Street on Davie Road Extension, and 2.0 mi south of Griffin Road, in West Hollywood.

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 12 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.31 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980 land-surface datum was considered to be 5.78 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water-level as elevation, in feet NGVD, prior to Oct. 1, 1980 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.39 ft NGVD, revised, Oct. 30, 1969, and Apr. 25, 1979; lowest, 1.18 ft NGVD, revised, Nov. 11, 1968.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.20	1.97	1.87	1.92	2.06	2.06	2.59	2.43	3.41	3.13	2.36	2.34
10	2.21	1.94	1.87	1.90	2.01	1.99	2.72	3.21	3.75	2.78	2.22	2.54
15	2.21	1.92	1.88	1.93	1.92	1.85	2.71	2.79	3.24	2.74	2.39	2.26
20	2.07	1.87	1.88	1.98	1.88	2.23	2.60	2.53	2.78	2.65	2.25	2.64
25	2.04	1.84	1.96	1.95	2.10	2.12	2.81	3.37	4.27	2.59	2.19	2.44
EOM	2.01	1.95	1.91	2.11	2.07	2.44	2.65	4.16	3.20	2.46	2.43	4.17
MEAN	2.13	1.92	1.90	1.96	2.00	2.05	2.63	3.02	3.47	2.85	2.29	2.70
MAX	2.30	1.99	1.97	2.13	2.11	2.44	2.81	5.69	4.55	3.53	2.43	5.08
MIN	2.00	1.84	1.86	1.90	1.85	1.81	2.41	2.30	2.74	2.46	2.18	2.26
WTR YR 1990	MEAN	2.41	MAX	5.69	MAY 28	MIN	1.81	MAR 17				

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

LOCATION.--Lat 26°02'52", long 80°08'53", in NW¼NW¼ sec.3, T.41 S., R.42 E., Hydrologic Unit 03090202, on Southwest 2nd Terrace, east of Phippen Road and 100 ft west of F.E.C. Railroad near Dania, and 400 ft south of Sterling Road.

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 12 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.11 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, land-surface datum was considered to be 8.33 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 1-2, 1990 water year.

PERIOD OF RECORD.--January, 1962 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to Oct. 1, 1980, are in error. Revised records are in files of the Geological Survey. See DATUM.

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

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.52	1.56	1.14	.89	.81	1.00	1.41	1.31	2.38	2.29	1.54	1.88
10	1.38	1.54	1.11	.87	.74	1.07	1.62	1.64	2.51	1.88	1.55	1.98
15	1.54	1.41	1.03	.86	.80	1.06	1.70	1.84	2.35	1.70	2.09	1.67
20	1.42	1.26	.98	.83	.61	1.15	1.59	1.52	1.98	1.99	1.86	1.83
25	1.36	1.19	1.00	.70	.70	1.14	1.58	1.68	2.12	2.04	2.16	1.78
EOM	1.59	1.20	1.01	.95	.84	1.08	1.50	3.10	2.76	1.71	2.18	2.80
MEAN	1.46	1.40	1.06	.85	.75	1.07	1.54	1.76	2.38	1.99	1.85	1.91
MAX	1.59	1.60	1.18	1.01	.95	1.17	1.75	3.10	3.02	2.61	2.20	2.80
MIN	1.26	1.19	.93	.69	.57	.89	1.19	1.28	1.80	1.68	1.54	1.67
WTR YR 1990	MEAN	1.50	MAX	3.10	MAY 31	MIN	.57	FEB 22				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--260253080184801. Local Number G 1322. USGS Observation Well near Cooper City, Fl.

LOCATION.--Lat 26°02'53", long 80°18'48", in NW¼SW¼ sec.36, T.50 S., R.40 E., Hydrologic Unit 03090202, in the median of Flamingo Road, 0.5 mi north of Sterling Road west of Cooper City, and 1.0 mi south of Griffin Road.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 13 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.09 ft above land-surface datum.

REMARKS.--Station discontinued on Oct. 12 due to road construction.

PERIOD OF RECORD.--September, 1969 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.15 ft NGVD, Oct. 31, 1969; lowest, 1.83 ft NGVD, May 1, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.10											
10	3.77											
15	---											
20	---											
25	---											
EOM	---											
MEAN	3.44											
MAX	3.79											
MIN	3.10											

WTR YR 1990 MEAN 3.44 MAX 3.79 OCT 11 MIN 3.10 OCT 5

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

WELL NUMBER.--260458080134801. Local Number G 1221. USGS Observation Well at Davie, Fl.

LOCATION.--Lat 26°04'58", long 80°13'48", in NW¼SW¼ 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 Highway 84, and 1.6 mi west of the Sunshine State Parkway in Davie.

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 12 ft.

INSTRUMENTATION.--Satellite Data Collection Platform. Prior to May 18, 1990 digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.48 ft above land-surface datum (corrected).

REMARKS.--Water levels estimated May 17-18, 1990 water year.

PERIOD OF RECORD.--December, 1962 to February, 1979, October, 1982 to November 1983, March, 1984 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.08 ft NGVD, Oct. 19, 1986; lowest, 0.67 ft NGVD, April 30, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.40	1.83	1.50	1.47	1.50	1.54	1.94	2.15	2.66	3.13	2.44	2.71
10	3.75	1.67	1.47	1.46	1.47	1.54	2.66	3.15	3.28	2.84	2.20	2.34
15	2.15	1.61	1.44	1.48	1.42	1.50	2.39	2.55	2.75	2.90	2.22	2.18
20	2.80	1.54	1.45	1.49	1.39	3.05	2.22	2.29	2.53	2.81	2.15	2.23
25	1.95	1.49	1.74	1.46	1.52	1.83	2.17	2.49	4.30	2.66	2.04	2.18
EOM	1.72	1.54	1.53	1.53	1.50	1.91	2.29	2.98	3.06	2.50	3.97	3.13
MEAN	2.51	1.64	1.53	1.48	1.49	1.83	2.25	2.50	2.99	2.85	2.26	2.49
MAX	5.86	2.00	1.97	1.53	1.97	4.26	2.88	3.20	4.30	3.30	3.97	3.78
MIN	1.72	1.49	1.44	1.44	1.38	1.48	1.92	2.05	2.43	2.50	1.95	2.13

WTR YR 1990 MEAN 2.15 MAX 5.86 OCT 2 MIN 1.38 FEB 18 AND OTHERS

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

31

BROWARD COUNTY

WELL NUMBER.--260515080202101. Local Number G 617. USGS Observation Well near Ft. Lauderdale, Fl.

LOCATION.--Lat 26°05'15", long 80°20'21", in SE¼NW¼ sec.15, T.50 S., R.40 E., Hydrologic Unit 03090202, on Southwest 26th Street, west of Southwest 142nd Avenue, 1.8 mi north of South New River Canal, 6.5 mi west of Davie and 14.2 mi west of Ft. Lauderdale.

AQUIFER.--Sandstone Biscayne aquifer of Pleistocene Age, Geologic Unit 112 BSCNS.

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.89 ft NGVD, June 20, 1959; lowest, 2.46 ft NGVD, June 7, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.69	3.51	3.55	3.88	3.74	3.74	3.74	3.33	3.66	4.17	3.59	4.21
10	4.17	3.49	3.58	3.86	3.70	3.65	3.94	3.47	4.24	4.05	3.67	3.69
15	3.84	3.51	3.64	3.81	3.62	3.51	3.62	3.36	3.80	4.71	4.07	4.03
20	3.69	3.46	3.72	3.79	3.89	4.27	3.37	3.14	3.62	3.92	3.64	4.36
25	3.66	3.44	3.87	3.74	4.03	3.75	3.39	3.57	5.08	4.46	3.65	4.29
DOM	3.50	3.61	3.82	3.86	3.72	4.01	3.42	4.12	4.13	3.63	3.64	4.30
MEAN	3.77	3.50	3.68	3.82	3.78	3.73	3.64	3.45	4.02	4.17	3.70	4.03
MAX	4.25	3.61	3.88	3.89	4.18	4.27	4.17	4.19	5.08	5.14	4.15	4.62
MIN	3.50	3.44	3.44	3.70	3.54	3.46	3.31	3.07	3.52	3.63	3.37	3.48
WTR YR 1990	MEAN	3.77	MAX	5.14	JUL 22 AND OTHERS	MIN	3.07	MAY 23				

WELL NUMBER.--260545080082001. Local Number G 561. USGS Observation Well at Fort Lauderdale, Fl.

LOCATION.--Lat 26°05'45", long 80°08'20", in SE¼SE¼ sec.15, T.50 S., R.42 E., Hydrologic Unit 03090202, at Southeast 4th Avenue and 20th Street in Fort Lauderdale, 0.2 mi west of U.S. Highway 1, and 0.3 mi north of State Highway 84.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.06 ft above land-surface datum (corrected).

REMARKS.--Water levels estimated July 24 - Aug. 24, 1990 water year.

PERIOD OF RECORD.--January 1948 to current year. Records of water levels prior to January, 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.40 ft NGVD, Oct. 5, 1948; lowest, 0.05 ft NGVD, July 2, 1952.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.75	1.81	1.35	1.11	.93	1.15	1.74	1.46	2.49	2.77	2.24	1.96
10	1.88	1.78	1.31	1.05	.89	1.21	2.32	2.86	2.20	2.17	2.19	2.15
15	1.91	1.76	1.23	1.18	.92	1.21	2.01	2.29	2.27	2.08	2.27	1.89
20	1.78	1.53	1.16	.99	.76	1.66	1.79	1.85	1.95	2.50	2.20	1.96
25	1.61	1.43	1.25	.90	.92	1.44	1.87	2.37	2.76	2.51	2.35	1.85
DOM	1.79	1.43	1.22	1.16	.99	1.57	1.67	3.12	2.71	2.20	2.04	3.27
MEAN	1.76	1.68	1.27	1.06	.91	1.32	1.87	2.11	2.43	2.48	2.21	2.07
MAX	1.96	1.91	1.41	1.21	1.12	1.66	2.32	3.12	3.02	3.07	2.36	3.29
MIN	1.57	1.43	1.13	.88	.72	1.03	1.61	1.44	1.87	2.08	2.04	1.79
WTR YR 1990	MEAN	1.77	MAX	3.29	SEP 29	MIN	.72	FEB 22				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--260657080122301. Local Number S 329. USGS Observation Well at Ft. Lauderdale, FL.

LOCATION.--Lat 26°06'57", long 80°12'23", in SW¼NE¼ sec.12, T.50 S., R.41 E., Hydrologic Unit 03090202, 200 feet south of Northwest 4th Street on west side of Country Club Circle, and 0.3 mi west of U.S. Highway 441 on east edge of City of Ft. Lauderdale well field in Ft. Lauderdale.

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

WELL CHARACTERISTICS.--Drilled, water-table well, diameter 4 in., depth 68 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.16 ft above land-surface datum.

REMARKS.--Determine effect of municipal pumping on ground-water levels. Water levels estimated June 8-21 and Sept. 29-30, 1990 water year.

PERIOD OF RECORD.--January, 1940 to current year. Records of water levels prior to January, 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.76 ft NGVD, Oct. 17, 1947; lowest, 1.26 ft below NGVD, May 2, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.11	.32	-0.07	.18	-0.10	.15	.80	1.25	2.05	2.91	2.40	2.00
10	1.08	.50	-0.09	.01	-0.19	.14	1.66	1.93	2.08	2.48	2.00	2.06
15	1.20	.35	-0.10	.00	-0.19	-0.31	1.93	1.85	2.10	3.12	2.94	1.70
20	1.02	-0.05	-0.05	-0.01	-0.28	.95	1.69	1.56	1.84	3.66	2.23	1.46
25	.72	-0.13	.42	-0.27	.12	.88	2.12	1.88	1.98	3.15	1.79	1.35
EOM	.55	.25	-0.08	-0.03	.01	.76	1.85	2.67	2.43	2.90	1.97	2.75
MEAN	.97	.21	-0.01	-0.03	-0.12	.33	1.54	1.83	2.13	2.99	2.24	1.81
MAX	1.28	.72	.42	.26	.12	1.03	2.12	2.74	2.73	3.76	2.94	2.75
MIN	.55	-0.14	-0.16	-0.27	-0.32	-0.33	.64	1.08	1.74	2.46	1.53	1.21
WTR YR 1990	MEAN	1.17	MAX	3.76	JUL 19	MIN	-0.33	MAR 17				

WELL NUMBER.--260753080253701. Local Number G 2376. USGS Observation Well near Plantation, FL.

LOCATION.--Lat 26°07'05", long 80°11'13", in SW¼SW¼ sec.35, T.49 S., R.39 E., Hydrologic Unit 03090202, on east side of section line road, 0.7 mi south of State Road 84 (I-75), 1 mi east of US 27 and 8 mi west of Flamingo Road.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 14 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 26 - Nov. 2, Feb. 23 - Mar. 27, 1990 water year.

PERIOD OF RECORD.--June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.23 ft NGVD, Sept. 20, 1985; lowest, 3.95 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.84	5.78	5.42	5.48	5.24	5.21	5.36	5.03	5.21	6.34	6.06	6.12
10	6.30	5.87	5.49	5.39	5.15	5.13	5.28	4.96	5.59	6.01	6.33	6.11
15	5.95	5.65	5.47	5.34	5.08	5.02	5.00	4.71	5.09	6.54	6.37	6.23
20	5.70	5.53	5.48	5.28	5.34	5.72	4.91	4.37	5.03	6.27	6.76	6.25
25	5.65	5.48	5.55	5.29	5.63	5.30	4.94	5.32	5.78	6.14	6.70	6.33
EOM	5.97	5.58	5.49	5.38	5.29	6.01	5.65	5.70	5.50	6.21	6.33	6.39
MEAN	5.88	5.67	5.51	5.37	5.25	5.25	5.19	4.98	5.39	6.16	6.40	6.25
MAX	6.30	6.07	5.75	5.48	5.63	6.01	6.01	5.86	5.89	6.54	6.77	6.40
MIN	5.65	5.48	5.41	5.22	4.98	4.95	4.77	4.29	4.88	5.73	5.87	6.04
WTR YR 1990	MEAN	5.61	MAX	6.77	AUG 21 AND OTHERS	MIN	4.29	MAY 23				

BROWARD COUNTY

WELL NUMBER.--260752080084701. Local Number G 1220. USGS Observation Well at Ft. Lauderdale, FL.

LOCATION.--Lat 26°07'52", long 80°08'47", in SE¼SW¼ sec.3, T.50 S., R.42 E., Hydrologic Unit 03090202, near water tower at corner of Northwest 2nd Avenue and Northwest 7th Street in Ft. Lauderdale, and 0.8 mi west of U.S. Highway 1.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 4.76 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980 land surface datum was considered to be 6.76 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1980 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.37 ft NGVD, Mar. 27, 1986; lowest, 0.40 ft NGVD, revised, May 30, 1965.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.75	1.67	1.28	.95	.66	.90	1.37	1.24	2.75	2.76	2.07	1.83
10	2.15	1.61	1.29	.90	.59	.95	1.94	2.39	2.37	2.28	1.89	1.84
15	2.36	1.73	1.13	.84	.64	.94	1.92	2.16	2.34	2.26	2.07	1.73
20	2.03	1.55	1.07	.80	.55	1.56	1.63	1.74	2.01	2.65	1.99	1.64
25	1.72	1.42	1.01	.73	.65	1.40	1.48	2.55	2.49	2.29	2.16	1.87
EOM	1.66	1.38	1.03	.75	.73	1.34	1.40	3.36	2.52	1.98	1.98	2.92
MEAN	1.93	1.60	1.14	.84	.63	1.12	1.60	2.02	2.47	2.40	2.02	1.87
MAX	2.42	1.81	1.36	1.01	.75	1.56	2.00	3.37	3.26	2.78	2.17	2.92
MIN	1.64	1.38	1.00	.68	.50	.78	1.32	1.19	1.92	1.98	1.85	1.64
WTR YR 1990	MEAN	1.64	MAX	3.37	MAY 30	MIN	.50	FEB 23				

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

LOCATION.--Lat 26°08'21", long 80°18'51", in SW¼NW¼ sec.36, T.49 S., R.40 E., Hydrologic Unit 03090202, at north-east corner of Northwest 12th Street and Flamingo Road, 1.6 mi north of North New River Canal, and 4.6 mi west of Plantation.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--October, 1972 to current year. Records of water levels prior to October, 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.25 ft NGVD estimated, Apr. 25, 1979; lowest, 2.85 ft NGVD, May 7, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.73	3.54	3.49	3.87	3.63	3.85	3.86	3.81	4.28	4.91	4.52	4.47
10	4.23	3.48	3.47	3.85	3.55	3.66	4.24	3.96	5.00	4.70	4.64	4.21
15	3.95	3.48	3.62	3.79	3.54	3.49	4.01	3.85	4.27	4.80	4.56	4.39
20	3.74	3.46	3.68	3.77	4.16	4.34	3.78	3.56	3.96	4.65	4.47	4.47
25	3.67	3.46	3.83	3.73	4.16	3.93	3.77	4.04	4.88	5.44	4.41	4.75
EOM	3.57	3.55	3.81	3.69	3.96	4.00	4.01	4.67	4.50	4.73	4.67	5.12
MEAN	3.81	3.49	3.64	3.79	3.76	3.82	3.90	3.94	4.48	4.85	4.61	4.56
MAX	4.23	3.56	3.86	3.88	4.39	4.36	4.26	4.81	5.49	6.00	5.17	5.44
MIN	3.57	3.45	3.41	3.68	3.40	3.47	3.67	3.45	3.94	4.20	4.23	4.17
WTR YR 1990	MEAN	4.06	MAX	6.00	JUL 22 AND OTHERS	MIN	3.40	FEB 18				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--261141080163401. Local Number G 2033. USGS Observation Well at Tamarac, Fl.

LOCATION.--Lat 26°11'41", long 80°16'34", in SW¼SE¼ sec.8, T.49 S., R.41 E., Hydrologic Unit 03090202, on east side of N.W. 94th Avenue, 0.1 mi north of Commercial Boulevard in Tamarac, 5.0 mi west of U.S. 441, and 11.0 mi west of Pompano Beach.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 23 ft, cased to 21 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.47 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1986 land surface datum was considered to be 11.70 ft NGVD. See period of record. Measuring point: Top of casing, 2.59 ft above land-surface datum.

PERIOD OF RECORD.--January 1972 to October 1980. February 1981 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures for water levels as elevation in feet NGVD prior to Oct. 1, 1986 are in error. Revised records are in files of Geological Survey, see datum.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.36 ft NGVD, Sept. 18, 1985; lowest, 5.21 ft NGVD, Dec. 12, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.90	5.52	5.24	5.79	5.87	6.46	6.29	6.14	7.36	7.54	6.79	6.78
10	5.88	5.43	5.29	5.86	5.82	6.28	7.03	6.41	7.24	7.05	6.74	6.33
15	5.95	5.33	5.27	5.87	5.78	6.13	6.83	6.40	6.90	7.81	7.20	6.31
20	5.82	5.25	5.43	5.89	5.96	6.92	6.54	6.14	6.58	6.80	6.49	6.46
25	5.69	5.23	5.48	5.88	6.80	6.60	6.43	6.39	7.71	6.82	6.50	6.29
EOB	5.61	5.29	5.66	5.88	6.71	6.40	6.36	7.31	6.86	6.97	6.78	6.98
MEAN	5.82	5.36	5.38	5.85	6.07	6.44	6.55	6.46	7.07	7.13	6.77	6.50
MAX	5.99	5.58	5.66	5.89	6.80	6.92	7.03	7.63	7.78	8.40	7.71	7.08
MIN	5.61	5.23	5.21	5.67	5.74	6.06	6.19	6.01	6.54	6.66	6.47	5.97
WTR YR 1990	MEAN	6.28	MAX	8.40	JUL 17	MIN	5.21	DEC 12				

WELL NUMBER.--261144080094601. Local Number G 820A. USGS Observation Well near Oakland Park, Fl.

LOCATION.--Lat 26°11'44", long 80°09'46", in SW¼SE¼ sec.9, T.49 S., R.42 E., Hydrologic Unit 03090202, at Ft. Lauderdale Executive Airport, and 0.7 mi west of Oakland Park.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 100 ft, cased to 99 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.58 ft above land-surface datum.

REMARKS.--Water levels estimated July 9-17, 1990 water year.

PERIOD OF RECORD.--September 1967 to April 1978, June 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.69 ft NGVD, Sept. 19, 1985; lowest, 3.87 ft below NGVD, Apr. 17, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.33	4.08	3.30	2.62	2.24	2.18	2.96	3.20	5.70	5.95	6.09	5.24
10	5.28	3.85	3.07	2.55	2.20	2.05	4.20	3.76	5.30	5.59	5.62	5.01
15	5.11	3.94	2.99	2.49	2.12	2.04	4.09	3.88	5.06	6.24	5.88	4.83
20	5.00	3.73	2.88	2.42	2.09	2.73	3.74	3.63	4.80	6.38	6.16	4.61
25	4.65	3.56	2.84	2.34	2.22	2.84	3.54	4.61	4.76	5.94	5.77	4.83
EOB	4.31	3.47	2.74	2.27	2.21	2.97	3.36	5.58	5.59	5.44	5.52	5.92
MEAN	4.98	3.85	3.02	2.47	2.17	2.40	3.58	3.93	5.22	5.94	5.81	5.01
MAX	5.41	4.24	3.44	2.72	2.25	2.97	4.23	5.58	5.70	6.52	6.16	5.92
MIN	4.31	3.47	2.74	2.27	2.06	2.03	2.90	3.10	4.68	5.44	5.34	4.52
WTR YR 1990	MEAN	4.04	MAX	6.52	JUL 17	MIN	2.03	MAR 16				

BROWARD COUNTY

WELL NUMBER.--261147080114501. Local Number G 2395. USGS Observation Well at Margate, FL.

LOCATION.--Lat 26°11'47", long 80°11'45", in SE¼SW¼ sec.7, T.49 S., R.42 E., Hydrologic Unit 03090202, 0.25 mi north of Prospect Road and 0.75 mi east of State Highway 441 in Margate.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2.5 in., depth 80 ft, cased to 78 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.00 ft above land-surface datum.

REMARKS.--Water levels affected by municipal pumping. Water levels estimated June 25-26 and Aug. 1-24, 1990 water year.

PERIOD OF RECORD.--February 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 2.29 ft below NGVD, Oct. 3, 1985, lowest, 13.76 ft below NGVD, Mar. 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-10.32	-10.32	-10.74	-9.43	-9.30	-9.29	-8.69	-8.22	-6.35	-6.48	-5.53	-7.68
10	-10.27	-10.23	-11.51	-10.17	-9.71	-9.61	-7.93	-7.92	-6.33	-5.52	-5.68	-7.41
15	-9.73	-9.72	-11.72	-9.79	-9.76	-10.01	-8.36	-7.60	-6.37	-5.22	-6.04	-8.04
20	-9.53	-10.09	-11.59	-9.69	-9.77	-9.28	-8.01	-8.27	-7.07	-5.20	-6.33	-8.33
25	-9.86	-10.54	-9.35	-9.48	-9.54	-9.44	-8.19	-7.33	-6.98	-5.24	-6.70	-7.68
EOM	-9.90	-10.25	-10.49	-9.32	-9.43	-8.98	-7.97	-6.78	-6.56	-5.39	-7.48	-7.41
MEAN	-9.96	-10.22	-10.83	-9.60	-9.58	-9.49	-8.33	-7.91	-6.62	-5.55	-6.16	-7.79
MAX	-9.05	-9.72	-9.35	-9.01	-9.24	-8.98	-7.75	-6.78	-6.15	-5.20	-5.41	-7.23
MIN	-11.03	-11.26	-11.77	-10.19	-9.82	-10.02	-8.98	-8.87	-7.82	-6.92	-7.48	-8.33

WTR YR 1990 MEAN -8.50 MAX -5.20 JUL 16 AND OTHERS MIN -11.77 DEC 19

WELL NUMBER.--261152080115201. Local Number G 1262. USGS Observation Well at Margate, FL.

LOCATION.--Lat 26°11'52", long 80°11'52", in SE¼SW¼ sec.7, T.49 S., R.42 E., Hydrologic Unit 03090202, 0.25 mi north of Prospect Road, and 0.75 mi east of State Highway 441 in Margate.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 7 in., depth 19 ft (corrected).

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Well dry from Oct. 1 - Dec. 15 and Jan. 16 - Apr. 10, 1990 water year.

PERIOD OF RECORD.--January 1965 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.30 ft NGVD, Nov. 7, 1965; lowest, 11.19 ft below NGVD, Apr. 11, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			---	-10.76			---	-10.49	-9.12	-7.90	-7.01	-6.78
10			---	-10.78			---	-10.37	-8.83	-7.91	-7.04	-6.88
15			---				-10.52	-10.30	-8.76	-7.65	-7.11	-7.21
20			-10.67	---			-10.38	-10.33	-8.55	-7.30	-7.04	-7.61
25			-10.65	---			-10.41	-10.07	-8.31	-7.25	-6.93	-7.80
EOM			-10.64	---			-10.40	-9.60	-8.09	-7.41	-6.81	-7.79
MEAN			-10.63	-10.77			-10.45	-10.25	-8.72	-7.59	-7.03	-7.28
MAX			-10.47	-10.67			-10.26	-9.60	-8.09	-7.23	-6.80	-6.76
MIN			-10.78	-10.86			-10.67	-10.54	-9.48	-8.08	-7.41	-7.89

WTR YR 1990 MEAN -8.77 MAX -6.76 SEP 1 AND OTHERS MIN -10.86 JAN 14

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--261238080105501. Local Number G 2444. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°12'38", Long 80°10'55", in SE¼SE¼SW¼ sec.5, T.49 S., R.42 E., Hydrologic Unit 03090202, off Cypress Blvd, .15 mi north of McNab Road, in Pompano Beach. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 150 ft, cased to 83 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Elevation of land-surface datum is 8.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.00 ft above land surface datum.

PERIOD OF RECORD.--December 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.72 ft NGVD, July 17, 1990; lowest, 0.46 ft NGVD, Dec. 21, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.31	1.20	.78	1.09	1.12	1.16	1.66	1.67	3.50	4.16	4.15	3.76
10	1.12	1.14	.65	1.14	1.17	1.11	2.35	2.14	3.62	3.78	3.68	3.58
15	1.05	1.29	.50	1.14	1.11	1.02	2.39	2.28	3.37	4.58	4.02	3.41
20	.98	1.10	.49	1.10	1.12	1.53	2.16	1.89	3.05	4.44	4.68	3.30
25	.77	.92	.86	1.08	1.35	1.48	1.98	2.36	3.44	3.95	4.12	3.45
EOM	1.10	1.00	.88	1.10	1.30	1.60	1.88	3.31	3.62	3.64	4.10	4.44
MEAN	1.06	1.13	.69	1.09	1.17	1.27	2.03	2.15	3.40	4.10	4.06	3.62
MAX	1.41	1.33	.89	1.17	1.35	1.60	2.43	3.31	3.69	4.72	4.68	4.53
MIN	.77	.92	.46	.91	1.06	.98	1.62	1.63	3.01	3.59	3.48	3.26
WTR YR 1990	MEAN	2.15	MAX	4.72	JUL 17	MIN	.46	DEC 21				

WELL NUMBER.--261337080103401. Local Number G 2443. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°13'37", Long 80°10'34", in NW¼NE¼NE¼ sec.5, T.49 S., R.42 E., Hydrologic Unit 03090202, .3 mi west of Oak Drive, across pond from apartment parking lot on golf course in Pompano Beach. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 145 ft, cased to 66 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Elevation of land-surface datum is 7.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base 3.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.35 ft NGVD, Oct. 12, 1987; lowest, 4.45 ft NGVD, Dec. 10, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.57	5.34	4.87	5.98	5.58	5.18	5.42	4.91	7.01	7.03	6.32	6.75
10	5.72	5.38	4.45	5.98	5.54	4.97	6.14	5.77	6.88	6.91	6.26	6.45
15	5.50	5.00	5.49	5.59	5.34	5.13	5.98	5.81	6.01	7.38	6.93	5.92
20	5.47	4.82	5.63	5.45	5.11	5.62	5.62	5.05	5.75	7.30	7.55	6.20
25	5.50	4.89	5.79	5.65	5.70	5.45	4.97	5.99	6.58	6.36	6.59	6.07
EOM	5.11	4.49	5.83	5.72	5.53	5.50	5.24	6.83	6.73	6.44	7.16	6.96
MEAN	5.42	5.04	5.36	5.73	5.39	5.35	5.62	5.67	6.48	6.91	6.75	6.40
MAX	5.79	5.59	5.83	5.99	5.73	5.62	6.21	7.10	7.14	7.76	7.55	7.43
MIN	4.83	4.49	4.45	5.09	4.79	4.97	4.97	4.90	5.68	6.05	5.88	5.87
WTR YR 1990	MEAN	5.85	MAX	7.76	JUL 17	MIN	4.45	DEC 10				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

37

BROWARD COUNTY

WELL NUMBER.--261434080071901. Local Number G 853. USGS Observation Well at Pompano Beach, FL.

LOCATION.--Lat 26°14'34", long 80°07'19", in NE¼NE¼ 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, in front of water plant at Pompano Beach.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 27 ft, cased to 27 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 19.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Nov. 9-20, June 17-21, Aug. 4-11, 16-22, Sept. 4-15, 23-26, 1990 water year.

PERIOD OF RECORD.--January 1960 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.28 ft NGVD, Oct. 1, 1968; lowest, 6.54 ft below NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.02	.88	.67	-0.43	-0.75	-0.21	.39	.47	3.82	4.49	4.95	5.45
10	.71	.67	.48	-0.74	-0.76	-0.19	.34	.80	3.77	4.73	5.02	5.45
15	.80	.68	.08	-0.67	-0.70	-0.39	.49	1.13	3.82	4.66	5.15	5.40
20	1.07	.68	-0.56	-0.51	-0.78	-0.20	.44	1.38	3.79	4.83	5.18	5.39
25	.94	.70	-0.34	-0.45	-0.54	.08	.42	2.09	3.66	4.76	5.19	5.00
EOM	1.22	1.02	-0.33	-0.58	-0.39	.23	.18	3.35	3.81	4.59	5.51	4.77
MEAN	.96	.77	.10	-0.55	-0.70	-0.12	.38	1.37	3.76	4.63	5.11	5.31
MAX	1.22	1.22	1.05	-0.43	-0.39	.23	.49	3.35	3.82	4.83	5.51	5.51
MIN	.58	.66	-0.59	-0.74	-0.78	-0.41	.11	.17	3.52	3.80	4.55	4.59
WTR YR 1990	MEAN	1.76	MAX	5.51	AUG 31	AND OTHERS	MIN	-0.78	FEB 12	AND OTHERS		

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

LOCATION.--Lat 26°14'41", long 80°11'13", in SE¼SE¼ sec.30, T.48 S., R.42 E., Hydrologic Unit 03090202, at the northwest corner of Lyons Road, Coconut Creek Parkway, and 1.0 mi east of Margate.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15.5 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.48 ft above land-surface datum.

PERIOD OF RECORD.--April 1969 to September 1979, February 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.02 ft NGVD, Nov. 18, 1974; lowest, 6.71 ft NGVD, June 27, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.04	7.23	7.03	7.56	7.24	7.17	7.18	6.94	8.67	8.81	8.15	8.15
10	7.12	7.11	7.00	7.52	7.17	7.05	7.58	7.29	8.47	8.28	7.94	7.93
15	7.31	6.90	6.86	7.46	7.12	6.99	7.59	7.40	7.99	9.16	8.31	7.67
20	7.32	6.83	7.49	7.35	7.09	7.26	7.27	7.06	7.66	8.77	8.50	7.58
25	7.26	6.79	7.65	7.33	7.44	7.16	7.15	7.39	8.09	8.30	8.23	7.65
EOM	7.23	7.89	7.39	7.79	7.37	7.12	7.07	8.44	8.39	8.08	8.56	8.43
MEAN	7.23	7.07	7.31	7.47	7.25	7.12	7.32	7.36	8.21	8.55	8.28	7.90
MAX	7.53	8.09	8.09	7.83	7.59	7.27	7.65	8.44	8.67	9.35	8.83	8.53
MIN	7.00	6.79	6.82	7.29	7.06	6.95	7.05	6.93	7.54	8.04	7.94	7.55
WTR YR 1990	MEAN	7.59	MAX	9.35	JUL 17	MIN	6.79	NOV 25				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--261501080060701. Local Number G 2147. USGS Observation Well at Pompano Beach, FL.

LOCATION.--Lat 26°15'01", long 80°06'07", in SW¼SW¼ sec. 30, T.48 S., R.43 E., Hydrologic Unit 03090202, 200 ft west of U.S. Highway 1, and 300 ft north of Northeast 14th Street in Golf Course at Pompano Beach.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 16 ft.

INSTRUMENTATION.--Satellite Data Collection Platform. Prior to June 12, 1990 digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.55 ft above land-surface datum (corrected).

REMARKS.--Water levels estimated Sept. 7-12, 20-28, 1990 water year.

PERIOD OF RECORD.--October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.53 ft NGVD, May 29, 1984; lowest, 1.02 ft below NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.06	1.93	1.59	1.10	.64	.68	1.06	1.10	3.55	4.16	3.96	4.56
10	2.07	1.86	1.44	1.00	.56	.71	1.29	1.92	3.69	3.65	4.06	4.33
15	2.05	1.77	1.34	.94	.54	.70	1.23	1.83	3.19	4.36	4.55	4.10
20	1.99	1.65	1.25	.85	.53	1.05	1.21	1.72	2.98	4.00	4.47	4.03
25	2.35	1.61	1.54	.75	.60	1.05	1.21	3.73	3.24	3.68	4.79	4.25
EOM	2.08	1.71	1.29	.72	.65	1.09	1.24	3.88	3.22	3.86	5.04	4.59
MEAN	2.08	1.78	1.44	.92	.59	.85	1.19	2.17	3.34	3.88	4.45	4.31
MAX	2.62	2.05	1.71	1.25	.70	1.09	1.30	4.10	3.83	4.36	5.36	4.88
MIN	1.82	1.57	1.11	.72	.46	.67	1.04	1.10	2.92	3.15	3.77	3.99
WTR YR 1990	MEAN	2.26	MAX	5.36	AUG 29	MIN	.46	FEB 22				

WELL NUMBER.--261534080165801. Local Number G 2031. USGS Observation Well at Coral Springs, FL.

LOCATION.--Lat 26°15'34", long 80°16'58", in SE¼SE¼ 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, in Coral Springs, and 4.0 mi west of U.S. Highway 441.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 21 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Apr. 22-25 and June 22-26, 1990 water year.

PERIOD OF RECORD.--January 1972 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.21	7.17	6.50	6.58	6.39	7.29	6.86	6.81	8.02	7.94	7.76	7.55
10	7.65	7.00	6.42	6.60	6.31	7.04	7.03	6.90	7.84	8.06	8.24	7.43
15	8.01	6.81	6.43	6.55	6.26	6.82	7.23	6.87	7.58	8.09	7.90	7.33
20	7.62	6.64	6.41	6.52	6.66	6.97	7.11	6.63	7.28	7.97	8.06	7.43
25	7.49	6.50	6.44	6.47	7.59	6.88	7.12	7.09	8.50	8.06	7.80	7.89
EOM	7.31	6.61	6.56	6.43	7.49	6.90	6.99	8.21	8.05	8.05	7.62	8.35
MEAN	7.54	6.84	6.48	6.53	6.65	6.99	7.05	7.03	7.94	8.05	7.97	7.62
MAX	8.09	7.26	6.61	6.60	7.59	7.44	7.24	8.27	8.65	8.56	8.57	8.62
MIN	7.04	6.50	6.39	6.43	6.20	6.71	6.77	6.55	7.28	7.85	7.62	7.27
WTR YR 1990	MEAN	7.23	MAX	8.65	JUN 23 AND OTHERS	MIN	6.20	FEB 18				

BROWARD COUNTY

WELL NUMBER.--261645080064701. Local Number G 1215. USGS Observation Well at Pompano Beach, Fl.

LOCATION.--Lat 26°16'45", long 80°06'47", in NE¼SW¼ sec.13, T.48 S., R.42 E., Hydrologic Unit 03090202, at southwest corner of Northeast 40th Street and Dixie Highway in Pompano Beach, and 0.25 mi north of Sample Road.

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 14 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 15.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.62 ft above land-surface datum.

REMARKS.--Water levels estimated Apr. 24 - May 26, 1990 water year.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.31 ft NGVD, Oct. 31, 1965; lowest, 2.13 ft below NGVD, Apr. 29, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	.47	.18	-0.31	-0.59	-1.13	-1.49	-1.47	-1.23	1.81	3.50	4.25	5.36
10	.31	.00	-0.41	-0.66	-1.24	-1.54	-1.30	-0.99	2.00	3.63	4.21	5.07
15	.53	-0.14	-0.44	-0.75	-1.35	-1.62	-1.17	-0.82	2.07	4.03	5.07	4.81
20	.34	-0.25	-0.50	-0.81	-1.45	-1.35	-1.18	-0.80	1.99	4.39	5.11	4.99
25	.23	-0.28	-0.40	-0.91	-1.47	-1.35	-1.17	-0.02	2.12	4.50	5.00	4.98
EOM	.31	-0.27	-0.46	-1.03	-1.46	-1.50	-1.20	1.42	2.18	4.34	5.44	5.47
MEAN	.39	-0.09	-0.42	-0.76	-1.31	-1.49	-1.27	-0.54	1.98	3.93	4.80	5.08
MAX	.62	.29	-0.27	-0.50	-1.05	-1.29	-1.15	1.42	2.18	4.50	5.44	5.47
MIN	.22	-0.29	-0.59	-1.03	-1.51	-1.66	-1.50	-1.23	1.55	2.18	4.21	4.78

WTR YR 1990 MEAN .87 MAX 5.47 SEP 30 MIN -1.66 MAR 18 AND OTHERS

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

LOCATION.--Lat 26°17'08", long 80°09'08", in SW¼NW¼ sec.15, T.48 S., R.42 E., Hydrologic Unit 03090202, 50 ft east of Power Line Road, 0.8 mi north of Sample Road, and 2.3 mi northeast of Pompano Beach.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

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.

PERIOD OF RECORD.--January 1969 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.66 ft NGVD, Apr. 25, 1979; lowest, 6.26 ft NGVD, Mar. 30, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.72	7.98	7.19	7.00	6.57	6.44	6.31	6.48	8.60	9.58	10.86	11.64
10	7.58	8.10	7.64	6.98	6.47	6.36	6.69	7.03	8.85	9.65	11.06	11.01
15	7.72	7.98	7.09	6.86	6.45	6.30	6.64	6.96	8.71	10.43	11.56	10.60
20	7.63	7.72	7.55	6.78	6.43	6.45	6.68	6.85	8.56	10.66	12.19	10.33
25	7.72	7.24	7.03	6.72	6.43	6.32	6.58	8.19	8.70	10.65	12.00	10.26
EOM	8.29	7.83	7.02	6.63	6.40	6.55	6.53	8.53	8.87	10.43	12.16	11.10
MEAN	7.77	7.82	7.29	6.84	6.49	6.38	6.56	7.19	8.70	10.15	11.56	10.90
MAX	8.33	8.27	7.77	7.02	6.74	6.55	6.75	8.65	8.88	10.69	12.69	12.03
MIN	7.54	7.24	7.02	6.63	6.35	6.26	6.27	6.48	8.51	8.85	10.46	10.20

WTR YR 1990 MEAN 8.15 MAX 12.69 AUG 28 MIN 6.26 MAR 30

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

BROWARD COUNTY

WELL NUMBER.--261710080135001. Local Number G 616. USGS Observation Well near Coral Springs, FL.

LOCATION.--Lat 26°17'10", long 80°13'50", in NW¼NW¼ sec.14, T.48 S., R.41 E., Hydrologic Unit 03090202, at southeast corner of Wiles Road and Riverside Drive, 1.2 mi northeast of Coral Springs, 1.95 mi west of Florida Highway 7, and 3 mi south of Hillsboro Canal.

AQUIFER.--Sand of Biscayne aquifer of Pleistocene Age, Geologic Unit 112 BSCNS.

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

REVISED RECORDS.--WDR FL-81-2B: 1980. WDR FL-85-2B: 1980, 1981.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

REMARKS.--Water levels estimated Feb. 1-11, May 16-26, June 5-26, July 7-12, July 28 - Aug. 22, 1990 water year.

DATUM.--Land-surface datum is 12.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.56 ft above land-surface datum.

PERIOD OF RECORD.--January 1952 to current year. Records of water levels prior to August 1952 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.05 ft NGVD, June 20, 1959; lowest, 5.38 ft NGVD, Apr. 24, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.17	7.13	6.86	6.95	6.88	7.37	7.23	7.34	8.65	8.50	8.45	8.63
10	7.29	7.07	6.85	6.94	6.88	7.27	7.74	7.53	8.45	8.15	8.96	8.64
15	7.57	7.05	6.81	6.92	6.87	7.17	7.84	7.33	8.20	9.05	8.89	8.58
20	7.31	7.02	6.81	6.90	7.38	7.28	7.57	7.21	7.90	8.79	8.70	8.48
25	7.43	6.97	6.87	6.88	7.53	7.19	7.53	7.45	8.25	8.75	8.85	8.59
EOM	7.21	7.00	6.92	6.89	7.46	7.36	7.42	8.05	7.95	8.80	9.01	9.64
MEAN	7.33	7.06	6.88	6.91	7.07	7.26	7.55	7.44	8.23	8.68	8.83	8.71
MAX	7.72	7.19	7.04	6.95	7.60	7.45	7.91	8.05	8.70	9.48	9.43	9.76
MIN	7.08	6.97	6.81	6.87	6.85	7.15	7.21	7.21	7.90	7.95	8.38	8.42

WTR YR 1990 MEAN 7.67 MAX 9.76 SEP 29 MIN 6.81 DEC 15 AND OTHERS

WELL NUMBER.--261734080111301. Local Number G 1213. USGS Observation Well near Pompano Beach, FL.

LOCATION.--Lat 26°17'34", long 80°11'13", in NE¼SE¼ sec.7, T.48 S., R.42 E., Hydrologic Unit 03090202, at south west corner of Wilburn Road and Lyons Road, 1.0 mi east of U.S. 441, and 7.5 mi northwest of Pompano Beach.

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 11.5 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 5.65 ft above land-surface datum.

REMARKS.--Water levels estimated Apr. 22 - May 3, 1990 water year.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.65 ft NGVD, Oct. 15, 1965; lowest, 9.39 ft NGVD, June 29, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.03	10.37	10.08	10.07	9.95	10.29	10.32	10.96	12.35	13.00	13.00	12.39
10	9.99	10.24	10.05	10.10	9.91	10.16	11.08	11.05	12.72	12.38	12.72	12.24
15	10.66	10.17	10.05	10.04	9.92	10.07	11.16	11.09	12.12	13.94	12.64	12.15
20	10.43	10.14	10.06	10.02	9.93	10.28	11.01	10.88	11.80	13.42	12.46	11.94
25	10.59	10.12	10.17	9.98	10.54	10.22	10.97	11.77	12.02	13.49	12.73	12.13
EOM	10.52	10.01	10.09	9.95	10.45	10.23	10.89	12.80	12.56	12.54	13.10	13.88
MEAN	10.37	10.21	10.07	10.03	10.07	10.20	10.85	11.35	12.32	13.17	12.78	12.43
MAX	10.70	10.47	10.17	10.10	10.54	10.40	11.17	13.57	12.92	14.24	13.48	14.41
MIN	9.99	10.01	10.01	9.95	9.91	10.02	10.26	10.78	11.68	12.15	12.24	11.94

WTR YR 1990 MEAN 11.16 MAX 14.41 SEP 29 MIN 9.91 FEB 10 AND OTHERS

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

41

BROWARD COUNTY

WELL NUMBER.--261903080065601. Local Number G 1260. USGS Observation Well at Deerfield Beach, Fl.

LOCATION.--Lat 26°19'03", long 80°06'56", in NE¼NW¼ sec.1, T.48 S., R.42 E., Hydrologic Unit 03090202, on south east side of State Road 810 and Interstate 95 at Deerfield Beach, and 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. Prior to July 25, 1990 digital water-level recorder -- 60-minute punch.

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.--Water levels estimated Jan. 9 - Feb. 23, Feb. 28 - Mar. 12, and July 24-26, 1990 water year.

PERIOD OF RECORD.--January 1961 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.24	1.12	.69	.34	-0.03	-0.21	-0.12	.10	2.29	3.98	4.64	5.02
10	1.10	.96	.46	.28	-0.08	-0.25	.09	.43	2.68	4.08	4.59	4.62
15	1.15	.81	.49	.22	-0.15	-0.29	.17	.50	2.73	4.69	5.08	4.15
20	.97	.68	.41	.16	-0.21	-0.26	.20	.40	2.62	4.99	5.10	3.95
25	1.18	.55	.46	.10	-0.23	-0.28	.23	1.21	2.84	4.78	5.00	4.29
EOM	1.23	.89	.44	.03	-0.17	-0.18	.20	2.12	2.99	4.44	5.26	4.84
MEAN	1.15	.88	.54	.21	-0.13	-0.25	.11	.68	2.63	4.40	4.88	4.49
MAX	1.43	1.23	.87	.40	.02	-0.18	.23	2.12	2.99	5.03	5.34	5.18
MIN	.90	.55	.38	.03	-0.26	-0.34	-0.15	.10	2.18	2.99	4.28	3.95
WTR YR 1990 MEAN	1.64		MAX	5.34	AUG 29 AND OTHERS	MIN	-0.34	MAR 18				

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
255826080091101	G -1408	25 58 26 N	080 09 11 W	10-17-89	1.88
				04-24-90	2.05
255847080085301	G -1410	25 58 47 N	080 08 53 W	10-17-89	2.38
				04-24-90	2.38
255852080083801	G -1412	25 58 52 N	080 08 38 W	10-17-89	1.72
				04-24-90	1.76
255854080085601	G -2074	25 58 54 N	080 08 56 W	10-17-89	-0.38
				10-19-89	-0.43
				11-29-89	-0.68
				12-19-89	-0.94
				01-25-90	-1.13
				02-12-90	-1.22
				02-21-90	-1.33
				03-27-90	-1.07
				04-05-90	-0.9
				04-27-90	-0.14
				05-23-90	0.07
				06-26-90	3.92
				07-26-90	0.19
				09-05-90	2.46
				09-24-90	0.77
255918080091801	G -1473	25 59 18 N	080 09 18 W	10-19-89	1.25
				11-29-89	1.07
				12-19-89	0.87
				01-25-90	0.64
				02-21-90	0.54
				03-27-90	0.78
				04-27-90	1.45
				05-04-90	1.22
				05-23-90	1.27
				05-31-90	2.89
				06-26-90	3.06
				07-26-90	1.68
				08-06-90	1.73
				09-24-90	1.72
255919080091202	G -2409	25 59 19 N	080 09 12 W	10-17-89	1.40
				10-19-89	1.23
				11-29-89	1.05
				01-25-90	0.62
				02-21-90	0.45
				03-27-90	0.76
				04-24-90	1.54
				04-27-90	1.44
				05-30-90	2.85
				06-26-90	3.05
				07-26-90	1.64
				09-05-90	2.06
				09-24-90	1.70
255919080091203	G -2410			10-19-89	1.29
				11-29-89	1.55
				01-25-90	0.66
				02-12-90	0.72
				02-21-90	0.55
				03-27-90	0.80
				04-05-90	1.03
				04-27-90	1.48
				05-04-90	1.24
				05-23-90	1.87
				05-30-90	2.90
				06-26-90	3.13
				07-26-90	1.70
				09-05-90	2.17
				09-24-90	1.79

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY--Continued

43

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
255919080091204	G -2408			10-17-89	1.17
255925080082801	G -1414	25 59 25 N	080 08 28 W	04-24-90	1.56
				10-17-89	1.35
				07-24-90	1.28
260000080104401	G -2468	26 00 00 N	080 10 44 W	10-17-89	1.52
				04-24-90	1.74
260000080104402	G -2469			10-17-89	1.54
260002080105001	G -2470	26 00 02 N	080 10 50 W	10-17-89	1.23
260002080105002	G -2471			10-17-89	1.43
				04-24-90	1.72
260004080104201	G -2472	26 00 04 N	080 10 42 W	10-17-89	1.11
				04-24-90	1.78
260004080104202	G -2473			10-17-89	1.77
				04-24-90	1.97
260006080121901	G -1585	26 00 06 N	080 12 19 W	10-17-89	1.61
				04-24-90	1.90
260008080103901	G -2474	26 00 08 N	080 10 39 W	10-17-89	1.36
				04-24-90	1.68
260027080110101	G -2037	26 00 27 N	080 11 02 W	10-17-89	1.47
				04-24-90	1.70
260027080110102	G -2038			10-17-89	1.53
				04-24-90	1.75
260027080110103	G -2039	26 00 27 N	080 11 01 W	10-17-89	1.40
				04-24-90	1.71
260035080101501	G -1597	26 00 35 N	080 10 15 W	10-20-89	1.16
				12-20-89	0.83
				01-08-90	0.77
				01-25-90	0.53
				03-28-90	0.74
				04-05-90	1.21
				04-25-90	1.43
				05-04-90	1.22
				05-23-90	1.18
				05-29-90	2.97
				07-27-90	1.66
				08-31-90	2.14
				09-25-90	1.53
260035080102601	G -2073A	26 00 35 N	080 10 26 W	10-20-89	1.24
				12-20-89	0.92
				01-08-90	0.85
				01-25-90	1.02
				03-28-90	0.78
				04-25-90	1.51
				05-29-90	3.12
				07-27-90	1.76
260035080102602	G -2073			10-20-89	1.22
				12-20-89	0.85
				01-08-90	1.24
				01-25-90	0.62
				02-12-90	0.76
				03-28-90	0.73
				04-05-90	1.24
				04-25-90	1.51
				05-04-90	1.22
				05-23-90	1.36
				05-29-90	3.06
				07-27-90	1.69

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
260041080093101	G -2425	26 00 41 N	080 09 31 W	10-20-89	1.33
				12-19-89	0.99
				01-08-90	0.92
				01-25-90	0.75
				02-12-90	0.90
				03-28-90	0.98
				04-05-90	1.32
				04-25-90	1.63
				05-04-90	0.37
				05-23-90	1.46
260041080093101	G -2425	26 00 41 N	080 09 31 W	05-30-90	3.10
				07-27-90	1.68
				08-30-90	2.27
				09-25-90	1.79
260041080093102	G -2426			10-20-89	1.42
				12-19-89	1.04
				01-08-90	0.98
				01-25-90	0.75
				03-28-90	0.93
				04-25-90	1.69
				05-30-90	3.13
				07-27-90	1.88
260044080094901	G -1588	26 00 44 N	080 09 49 W	10-17-89	1.65
				04-24-90	1.67
260054080103301	G -1240	26 00 54 N	080 10 33 W	10-20-89	1.11
				12-20-89	0.76
				01-08-90	0.71
				02-12-90	0.76
				03-28-90	0.74
				04-25-90	1.41
				05-30-90	2.83
				07-27-90	1.57
				08-30-90	2.11
				09-25-90	2.17
260104080120201	G -1185	26 01 04 N	080 12 02 W	10-17-89	1.54
				04-24-90	1.84
260132080102201	G -1570	26 01 32 N	080 10 22 W	10-17-89	1.60
				04-24-90	1.65
260136080094301	G -1569	26 01 36 N	080 09 43 W	10-17-89	1.41
				04-24-90	1.57
260205080133201	G -1575	26 02 05 N	080 13 32 W	10-17-89	1.70
				04-24-90	2.11
260238080163301	G -1194	26 02 38 N	080 16 33 W	10-17-89	2.26
				04-24-90	2.80
260521080122401	G -2125	26 05 21 N	080 12 24 W	10-16-89	2.00
				10-18-89	1.99
				12-15-89	1.18
				02-28-90	1.21
				03-30-90	1.52
				04-24-90	2.05
				04-25-90	2.07
				06-28-90	3.00
				08-28-90	1.93
260527080123801	G -1344	26 05 27 N	080 12 38 W	10-16-89	1.74
				10-18-89	1.41
				12-15-89	0.81
				02-28-90	0.79
				03-30-90	1.14
				04-24-90	1.69
				04-25-90	1.69
				06-28-90	2.64
				08-28-90	1.19

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY--Continued

45

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
260529080115801	G -2128	26 05 29 N	080 11 58 W	10-16-89	1.54
				10-18-89	1.38
				12-15-89	0.59
				02-28-90	0.49
				04-24-90	1.58
				04-25-90	1.52
				06-28-90	2.50
				08-29-90	1.52
260529080115802	G -2127	26 05 29 N	080 11 58 W	10-18-89	1.14
				12-15-89	0.62
				02-28-90	0.54
				03-12-90	0.60
				03-29-90	0.99
260529080115802	G -2127	26 05 29 N	080 11 58 W	04-05-90	1.22
				04-25-90	1.57
				05-04-90	1.24
				05-23-90	1.41
				06-28-90	2.46
				08-29-90	1.57
				09-26-90	1.50
260530080112101	G -2130	26 05 30 N	080 11 21 W	10-16-89	2.42
				10-18-89	1.29
				12-15-89	0.54
				02-28-90	0.59
				03-12-90	0.78
				03-29-90	0.96
				04-05-90	-1.21
				04-24-90	1.43
				04-25-90	1.36
				05-04-90	0.93
260533080123701	G -2122	26 05 33 N	080 12 37 W	05-23-90	1.13
				06-28-90	2.01
				08-29-90	1.43
				10-16-89	1.48
				10-18-89	1.34
				12-15-89	0.73
				02-28-90	0.75
				03-12-90	0.77
				03-30-90	1.12
				04-05-90	1.30
260535080104301	G - 854	26 05 35 N	080 10 43 W	04-24-90	1.67
				04-25-90	1.70
				05-04-90	1.46
				05-23-90	1.61
				06-28-90	2.64
				08-28-90	1.60
				09-25-90	1.61
				10-16-89	3.09
				10-18-89	2.86
				12-15-89	2.20
260551080122901	G - 603	26 05 51 N	080 12 29 W	02-28-90	2.13
				03-12-90	2.32
				03-29-90	2.04
				04-05-90	2.71
				04-24-90	2.89
				04-26-90	2.80
				05-04-90	2.41
				05-23-90	2.66
				06-28-90	3.54
				08-28-90	2.96
260558080122701	G - 582	26 05 58 N	080 12 27 W	10-17-89	1.27
				04-24-90	1.59
260558080122701	G - 582	26 05 58 N	080 12 27 W	10-17-89	1.60
				04-24-90	1.83

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
260558080122702	G - 600			10-17-89 04-24-90	1.34 1.57
260601080120401	G -2380	26 06 01 N	080 12 04 W	10-16-89 04-24-90	0.08 0.63
260605080122501	G - 604	26 06 02 N	080 12 25 W	10-16-89 04-24-90	1.22 1.44
260605080125801	G -1092	26 06 50 N	080 12 58 W	10-16-89	5.74
260607080124801	G - 990	26 06 07 N	080 12 48 W	10-16-89 04-24-90	2.05 2.14
260608080120401	G - 481	26 06 08 N	080 12 04 W	10-16-89 04-24-90	2.35 0.98
260612080122301	G - 587	26 06 12 N	080 12 23 W	10-16-89 04-24-90	1.41 1.60
260612080122701	G - 605	26 06 12 N	080 12 27 W	10-16-89	1.04
260612080122701	G - 605	26 06 12 N	080 12 27 W	04-24-90	1.29
260617080113701	G -2136	26 06 17 N	080 11 37 W	04-24-90	2.73
260620080110801	G -2135	26 06 20 N	080 11 08 W	04-24-90	1.71
260624080120101	G -2141	26 06 24 N	080 12 01 W	10-16-89 04-24-90	0.96 1.54
260636080122601	G - 453	26 06 36 N	080 12 26 W	10-16-89 04-24-90	2.00 2.54
260636080131201	G -2145	26 06 36 N	080 13 12 W	10-16-89 04-24-90	2.05 2.06
260638080095801	G -2131	26 06 38 N	080 09 58 W	10-16-89 04-24-90	1.77 5.22
260648080114801	G -2137	26 06 48 N	080 11 48 W	04-24-90	2.64
260649080122801	G - 482	26 06 49 N	080 12 28 W	10-16-89 04-24-90	0.84 1.72
260653080120901	G -2140	26 06 53 N	080 12 09 W	04-24-90	3.43
260658080113801	G - 988	26 06 58 N	080 11 38 W	04-24-90	2.53
260704080125201	G - 457	26 07 04 N	080 12 52 W	10-16-89 04-24-90	2.91 2.95
260724080123701	G - 986	26 07 24 N	080 12 37 W	10-17-89 04-24-90	2.84 3.18
260753080113901	G -1343	26 07 53 N	080 11 39 W	10-16-89 10-18-89 12-15-89 02-28-90 03-12-90 03-30-90 04-05-90 04-24-90 04-25-90 05-04-90 05-23-90 06-28-90 08-29-90 09-26-90	2.31 2.28 1.10 1.02 0.97 1.03 1.59 2.36 2.44 2.06 2.23 3.15 2.52 2.46

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY--Continued

47

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
261020080131701	G -2361	26 10 20 N	080 13 17 W	10-18-89	5.78
				04-24-90	5.68
261020080131702	G -2361A			10-18-89	5.73
				04-24-90	5.86
261026080100201	G -2091	26 10 26 N	080 10 02 W	10-20-89	2.35
				12-23-89	1.32
				03-05-90	1.02
				03-16-90	1.03
				04-24-90	1.92
				05-23-90	1.68
				06-28-90	2.82
				08-30-90	2.36
261030080120001	G -1451	26 10 30 N	080 12 00 W	10-17-89	2.56
				04-24-90	2.08
261037080093801	G -1453	26 10 37 N	080 09 38 W	10-17-89	2.88
261040080100901	G -2114	26 10 40 N	080 10 09 W	10-17-89	2.69
				04-24-90	1.93
261045080093502	G -1452	26 10 45 N	080 09 35 W	10-17-89	2.82
				04-24-90	2.05
261047080114701	G -2118	26 10 47 N	080 11 47 W	10-17-89	0.62
				04-24-90	0.88
261050080091701	G -2110	26 10 50 N	080 09 17 W	10-17-89	2.73
				04-24-90	1.99
261051080095401	G - 870	26 10 51 N	080 09 54 W	04-24-90	4.44
261100080140402	G -1212A	26 11 00 N	080 09 04 W	10-17-89	2.87
				10-20-89	2.76
				12-23-89	1.92
				02-28-90	1.26
				03-16-90	1.33
				04-24-90	2.10
				04-24-90	2.14
261100080140402	G -1212A	26 11 00 N	080 09 04 W	05-23-90	2.01
				06-28-90	3.11
				08-30-90	2.72
261107080120301	G -2370	26 11 07 N	080 12 03 W	10-17-89	-1.80
				04-24-90	-1.02
261107080120302	G -2370A			10-17-89	-1.29
				04-24-90	-0.69
261111080093001	G -2109	26 11 11 N	080 09 30 W	10-17-89	3.79
				04-24-90	6.09
261112080121401	G -2108	26 11 12 N	080 12 14 W	10-17-89	3.56
				04-24-90	2.95
261114080112801	G -2458	26 11 14 N	080 11 28 W	10-17-89	-2.85
				04-24-90	-2.23

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
261114080112802	G -2459			10-17-89 04-24-90	-3.50 -2.85
261115080103201	G -2104	26 11 15 N	080 10 32 W	10-17-89 04-24-90	1.93 1.48
261122080131101	G -2407	26 11 22 N	080 13 11 W	10-18-89 04-24-90	4.94 4.80
261122080131102	G -2450			10-18-89 04-24-90	4.94 4.77
261128080102201	G -2440	26 11 28 N	080 10 22 W	10-17-89 04-24-90	3.29 2.49
261133080113501	G -2460	26 11 33 N	080 11 35 W	10-17-89 04-24-90	-5.23 -4.65
261133080113502	G -2461			10-17-89 04-24-90	-6.46 -5.48
261142080112301	G -2417	26 11 42 N	080 11 23 W	10-17-89 04-24-90	-6.83 -6.18
261144080094601	G - 820A	26 11 44 N	080 09 46 W	10-17-89 04-24-90	4.85 3.51
261146080125501	G -2406	26 11 46 N	080 12 55 W	10-18-89 04-24-90	4.45 6.68
261146080125502	G -2449			10-18-89 04-24-90	4.41 4.34
261147080112201	G -2416	26 11 47 N	080 11 22 W	10-17-89 04-24-90	-7.29 -6.13
261147080112501	G -2415	26 11 47 N	080 11 25 W	10-17-89 04-24-90	-7.56 -6.58
261147080112802	G -2412	26 11 47 N	080 11 28 W	10-17-89 04-24-90	-7.88 -7.16
261147080114501	G -2395	26 11 47 N	080 11 45 W	10-17-89 04-24-90	-9.63 -8.73
261147080114502	G -2396			10-17-89 04-24-90	-9.86 -8.91
261147080121301	G -2388	26 11 47 N	080 12 13 W	10-17-89 04-24-90	-12.19 -11.85
261147080121302	G -2389			10-17-89 04-24-90	-12.52 -12.23
261150080094602	G -2275	26 11 50 N	080 09 46 W	10-17-89 04-24-90	4.59 3.38
261158080114301	G -2456	26 11 58 N	080 11 43 W	10-17-89 04-24-90	-8.52 -8.04
261158080114302	G -2457			10-17-89 04-24-90	-8.59 -9.07
261202080111601	G -2436	26 12 02 N	080 11 16 W	10-17-89 04-24-90	-5.49 -4.45
261202080111602	G -2437			10-17-89 04-24-90	-5.64 -4.51
261203080100601	G - 805	26 12 03 N	080 10 06 W	10-17-89 04-24-90	5.10 3.70
261207080103701	G -2433	26 12 07 N	080 10 37 W	10-17-89 04-24-90	0.97 1.35
261207080103702	G -2434			10-17-89 04-24-90	0.85 1.15

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY--Continued

49

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
261207080103703	G -2435	26 12 07 N	080 10 37 W	10-17-89 04-24-90	0.93 1.18
261207080115701	G -2452	26 12 07 N	080 11 57 W	10-17-89 04-24-90	-11.85 -11.34
261207080115702	G -2453			10-17-89 04-24-90	-13.11 -12.73
261211080101201	G -2096	26 12 11 N	080 10 12 W	10-17-89 04-24-90	3.75 2.90
261217080100401	G -2430	26 12 17 N	080 10 04 W	10-17-89 04-24-90	2.62 2.25
261217080100402	G -2431			10-17-89 04-24-90	3.03 2.71
261217080100403	G -2432			10-17-89 04-24-90	3.07 2.68
261217080111301	G -2405	26 12 17 N	080 11 13 W	10-17-89 04-24-90	-1.24 0.29
261217080111302	G -2451			10-17-89 04-24-90	-4.16 -3.17
261218080104301	G - 866	26 12 18 N	080 10 43 W	10-17-89 04-24-90	0.61 0.30
261224080093501	G -2427	26 12 24 N	080 09 35 W	10-17-89 04-24-90	4.88 4.52
261224080093502	G -2428			10-17-89 04-24-90	4.70 4.40
261224080093503	G -2429			10-17-89 04-24-90	4.02 3.88
261232080141401	G -2359	26 12 32 N	080 14 14 W	10-18-89 04-24-90	6.77 6.89
261232080141402	G -2359A			10-18-89 04-24-90	6.77 6.72
261234080122102	G -2454	26 12 34 N	080 12 21 W	10-17-89 04-24-90	4.67 4.85
261234080122103	G -2455			10-17-89 04-24-90	4.18 4.43
261258080112901	G -2482	26 12 58 N	080 11 29 W	10-17-89	5.15
261307080112001	G -2481	26 13 07 N	080 11 20 W	10-17-89	5.28
261308080131201	G -2394	26 13 08 N	080 13 12 W	10-18-89 04-24-90	5.53 5.49
261351080062501	G -2054	26 13 51 N	080 06 25 W	10-19-89	2.34
261354080070201	G -2062	26 13 54 N	080 07 02 W	10-19-89	3.87
				01-23-90 04-25-90 05-23-90 08-30-90	-0.78 0.14 0.11 1.76
261358080063801	G -2066	26 13 58 N	080 06 38 W	10-17-89 04-24-90	1.79 1.41

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
261358080071502	G -1558	26 13 58 N	080 07 15 W	10-17-89 04-24-90	1.74 2.19
261359080062301	G -2055	26 13 59 N	080 06 23 W	10-19-89 01-23-90	1.64 0.91
				03-12-90 04-05-90 04-25-90 05-23-90 09-25-90	1.20 1.36 1.48 1.70 3.68
261403080070801	G -2149	26 14 03 N	080 07 08 W	10-17-89 10-20-89 01-23-90 03-16-90 04-24-90	1.56 1.57 0.73 1.05 1.48
				04-25-90 05-23-90 08-30-90	1.49 1.93 3.46
261413080071401	G -2065	26 14 13 N	080 07 14 W	10-17-89 04-24-90	1.52 1.34
261419080065101	GP -1351	26 14 19 N	080 06 51 W	10-17-89 04-24-90	0.94 0.77
261423080071503	G -2344A	26 14 23 N	080 07 15 W	10-17-89 01-23-90 03-16-90	1.18 -0.18 -0.1
				04-24-90 04-25-90 05-23-90 08-30-90	0.78 -0.69 1.54 5.12
261423080071504	G -2344B			10-17-89 04-24-90	1.19 0.85
261427080062701	G -2067	26 14 27 N	080 06 27 W	10-17-89	1.86
261427080064001	G -2479	26 14 27 N	080 06 40 W	10-17-89 04-24-90	1.59 0.93
261427080064002	G -2480			10-17-89 04-24-90	1.55 0.91
261433080061001	G -2070	26 14 33 N	080 06 10 W	10-17-89 04-24-90	2.76 2.42
261436080071601	GP -1357	26 14 36 N	080 07 16 W	10-17-89 04-24-90	0.85 0.22
261446080071601	GP -1355	26 14 58 N	080 07 14 W	10-17-89 04-24-90	-0.19 -1.31
261448080061301	G -2001	26 14 48 N	080 06 13 W	10-17-89 04-24-90	1.53 0.56
261458080070301	G -2148	26 14 58 N	080 07 03 W	10-17-89 04-24-90	-0.42 -1.41
261459080063901	GP -1352	26 14 59 N	080 06 39 W	10-17-89 04-24-90	0.97 -0.08
261500080055401	G -2063	26 15 00 N	080 05 54 W	10-17-89 04-05-90	0.02 0.35
				04-24-90 04-25-90 05-04-90 05-23-90	0.22 -0.01 -0.54 -0.48

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
BROWARD COUNTY--Continued

51

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
261501080060701	G -2147	26 15 01 N	080 06 07 W	04-05-90	1.01
				05-23-90	1.77
261501080060702	G -2064			08-30-90	2.69
				09-25-90	1.67
261501080145101	G -2486	26 15 01 N	080 14 51 W	10-17-89	6.36
				04-24-90	6.75
				04-24-90	6.09
261525080165101	G -2485	26 15 25 N	080 16 51 W	10-16-89	7.13
261541080112701	G -2475	26 15 41 N	080 11 27 W	10-17-89	9.66
				04-24-90	9.20
261544080062401	G -2072	26 15 44 N	080 06 24 W	10-17-89	0.67
				04-24-90	-0.8
261544080062402	G -2277			10-20-89	0.49
				01-23-90	-0.91
				03-12-90	-1.47
				04-05-90	-1.28
				04-25-90	0.92
				05-23-90	-0.01
				08-30-90	5.51
				09-25-90	4.74
261544080062403	G -2278			10-20-89	1.10
				01-23-90	-0.43
				04-25-90	0.41
				05-23-90	0.45
				08-30-90	6.04
261622080151601	G -2484	26 16 22 N	080 15 16 W	10-17-89	6.64
				04-24-90	6.10
261714080130101	G -2483	26 17 14 N	080 13 01 W	10-17-89	10.78
				04-24-90	11.54
261729080061801	G -2247	26 17 29 N	080 06 18 W	10-17-89	-1.61
				04-24-90	-2.49
261732080055201	G -2253	26 17 32 N	080 05 52 W	10-17-89	1.93
				04-24-90	0.98
261732080061201	G -2249	26 17 32 N	080 06 12 W	10-17-89	6.75
				04-24-90	5.37
261735080062701	G -2272	26 17 35 N	080 06 27 W	10-17-89	-1.89
				04-24-90	-2.76
261737080064001	G -2250	26 17 37 N	080 06 40 W	10-17-89	-1.40
				04-24-90	-2.27
261743080071201	G -2273	26 17 43 N	080 07 12 W	10-17-89	0.96
				04-24-90	-0.36
261746080060401	G -2252	26 17 46 N	080 06 04 W	10-17-89	0.45
				04-24-90	-0.47
261746080063001	G -2245	26 17 46 N	080 06 30 W	10-17-89	-2.20
				04-24-90	-2.71
261747080061801	G -2246	26 17 47 N	080 06 18 W	10-17-89	-0.15
				04-24-90	-1.69
261814080054601	G -2060	26 18 14 N	080 05 46 W	10-20-89	2.87
				04-26-90	-3.49
261837080130501	G -2156	26 18 37 N	080 13 05 W	04-24-90	12.08

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
255845080095301	G -1549	25 58 45 N	080 09 53 W	10-19-89	620	64
				11-29-89	650	66
				12-19-89	600	66
255854080085601	G -2074	25 58 54 N	080 08 56 W	10-19-89	28000	10000
				11-29-89	32000	10000
				12-19-89	29000	10000
				01-25-90	30000	12000
				02-12-90	31200	11000
				02-21-90	29000	11000
				03-27-90	29000	11000
				04-05-90	33500	12000
				04-27-90	30000	10000
				05-23-90	30000	11000
				06-26-90	30000	10000
				07-26-90	30000	11000
				09-05-90	30000	11000
				09-24-90	30000	11000
255910080085801	G -2351A	25 59 10 N	080 08 58 W	10-19-89	22000	8200
				11-29-89	24000	8100
				12-19-89	22000	8100
				01-25-90	23000	9900
				02-21-90	23000	8700
				03-27-90	22000	8300
				04-27-90	23000	8200
				05-30-90	23000	9900
				06-26-90	25000	8500
				07-26-90	24500	8500
				09-06-90	7000	2300
				09-24-90	24000	8400
255910080085802	G -2294			10-19-89	880	150
				11-29-89	840	150
				12-19-89	880	150
				01-25-90	720	130
				02-21-90	700	130
				03-27-90	760	140
				04-27-90	780	130
				05-30-90	720	120
				06-26-90	720	130
				07-26-90	800	140
				09-05-90	840	150
				09-24-90	850	130
255916080084501	G -1433	25 59 16 N	080 08 45 W	10-19-89	30000	12000
				11-29-89	33000	12000
				12-19-89	32000	12000
				01-25-90	32000	12000
				02-21-90	33000	12000
				03-27-90	32000	12000
				04-27-90	33000	12000
				05-30-90	33000	12000
				06-26-90	32000	12000
				07-26-90	33000	12000
				09-05-90	33000	12000
				09-24-90	33000	12000
255916080085301	G -1434	25 59 16 N	080 08 53 W	10-19-89	26000	9400
				11-29-89	28000	9100
				12-19-89	26000	9400
				01-25-90	27000	10000
				02-21-90	26000	9700
				03-27-90	26000	9600
				04-27-90	27000	8500
				05-30-90	26000	10000
				06-26-90	25000	9000
				07-26-90	27000	9700
				09-05-90	28000	9600
				09-24-90	27000	10000

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

53

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
255916080085401	G -1472	25 59 16 N	080 08 54 W	05-04-90	355	42
255916080090401	G -1435	25 59 16 N	080 09 04 W	11-29-89	17000	5400
				12-19-89	15000	5600
				01-25-90	16000	5600
				02-21-90	15000	5600
				03-27-90	15000	5700
				04-27-90	17000	5500
				05-30-90	16000	5800
				06-26-90	15000	5600
				07-26-90	17000	5500
				09-05-90	18000	5800
				09-24-90	17000	6300
255918080091801	G -1473	25 59 18 N	080 09 18 W	10-19-89	520	50
				11-29-89	550	44
				12-19-89	560	46
				01-25-90	540	44
				02-21-90	520	44
				03-27-90	540	46
				04-27-90	580	46
				05-04-90	560	62
				05-23-90	540	40
				05-31-90	540	48
				06-26-90	550	42
				07-26-90	550	44
				09-06-90	560	46
				09-24-90	560	44
255919080091202	G -2409	25 59 19 N	080 09 12 W	10-19-89	480	20
				11-29-89	460	12
				01-12-90	430	24
				01-25-90	450	22
				02-21-90	440	20
				03-27-90	450	26
				04-27-90	450	14
				05-30-90	440	16
				06-26-90	450	20
				07-26-90	480	26
				09-05-90	480	24
				09-24-90	480	26
255919080091203	G -2410			10-19-89	550	50
				11-29-89	600	52
				01-12-90	540	50
				01-25-90	580	54
				02-12-90	620	42
				02-21-90	560	54
				03-27-90	600	54
				04-05-90	640	48
				04-27-90	650	56
				05-04-90	560	52
				05-23-90	580	40
				05-30-90	580	52
				06-26-90	640	52
				07-26-90	750	54
				09-05-90	540	42
				09-24-90	620	56
255936080091701	G -2477	25 59 36 N	080 09 17 W	10-19-89	580	34
				11-29-89	520	44
				12-19-89	500	44
				01-25-90	520	42
				02-21-90	500	56
				03-27-90	540	44
				04-27-90	520	40
				05-31-90	550	44
				06-26-90	520	56
				07-26-90	540	42
				09-06-90	620	38

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
255936080091701	G -2477	25 59 36 N	080 09 17 W	09-24-90	540	40
255936080091702	G -2478			10-19-89	520	56
				11-29-89	560	54
				12-19-89	540	54
				01-25-90	580	54
				02-21-90	600	54
				03-27-90	550	60
				04-27-90	600	58
				05-31-90	600	60
				06-26-90	600	60
				07-26-90	600	62
				09-06-90	700	60
				09-24-90	640	58
255948080090901	G -1241	25 59 48 N	080 09 09 W	10-19-89	950	230
				11-29-89	1050	240
				12-19-89	1100	240
				01-25-90	1100	240
				02-22-90	1050	250
				03-27-90	1050	240
				04-27-90	1100	250
				05-31-90	1050	260
				09-25-90	1080	350
260035080101501	G -1597	26 00 35 N	080 10 15 W	10-20-89	1500	360
				12-20-89	1450	380
				01-08-90	1420	360
				01-25-90	1440	350
				03-28-90	1500	370
				04-05-90	1650	340
				04-25-90	1500	360
				05-04-90	1340	340
				05-23-90	1500	390
				05-29-90	1400	350
				07-27-90	1500	340
				08-31-90	1420	350
				09-25-90	1400	410
260035080102601	G -2073A	26 00 35 N	080 10 26 W	10-20-89	540	44
				12-20-89	540	48
				01-08-90	540	48
				01-25-90	540	40
				03-28-90	560	46
				04-25-90	550	46
				05-29-90	520	46
				07-27-90	550	44
260035080102602	G -2073			10-20-89	680	110
				12-20-89	780	130
				01-08-90	780	130
				01-25-90	780	160
				02-12-90	880	150
				03-28-90	780	130
				04-05-90	920	110
				04-25-90	780	130
				05-04-90	800	170
				05-23-90	830	150
				05-29-90	920	180
				07-27-90	900	170
260041080093101	G -2425	26 00 41 N	080 09 31 W	10-20-89	720	80
				12-19-89	700	78
				01-08-90	700	82
				01-25-90	660	78
				02-12-90	830	76
				03-28-90	700	86
				04-05-90	800	80
				04-25-90	700	84
				05-04-90	790	110
				05-23-90	760	78

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

55

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
260041080093101	G -2425	26 00 41 N	080 09 31 W	05-30-90 07-27-90 08-30-90 09-25-90	700 750 740 720	84 92 84 82
260041080093102	G -2426			10-20-89 12-19-89 01-08-90 01-25-90 03-28-90 04-25-90 05-30-90 07-27-90	550 520 540 550 640 550 540 550	26 34 30 30 36 34 40 30
260045080102201	G -2000	26 00 45 N	080 10 22 W	10-20-89 12-20-89 01-08-90 01-25-90 03-28-90 04-25-90 05-30-90 07-27-90	2600 2300 2600 2500 2700 2500 2300 2500	700 740 740 680 780 760 640 760
260045080103401	G -2040	26 00 45 N	080 10 34 W	12-20-89 01-08-90 01-25-90 04-25-90 05-30-90 07-27-90	580 600 600 680 700 360	44 52 60 82 92 38
260053080102301	G -1548	26 00 53 N	080 10 23 W	10-20-89 12-20-89 01-08-90 01-25-90 03-28-90 04-25-90 05-30-90 07-27-90	2100 2100 2200 2200 2200 2100 2400 2350	600 600 560 520 600 640 660 640
260054080103301	G -1240	26 00 54 N	080 10 33 W	10-20-89 12-20-89 01-08-90 01-25-90 02-12-90 03-28-90 04-25-90 05-30-90 07-27-90 08-30-90 09-25-90	1100 900 1000 1020 1140 800 1100 700 1000 1050 420	210 180 210 230 350 130 250 130 200 210 34
260111080101401	G -2176A	26 01 11 N	080 10 14 W	10-20-89 12-20-89 01-08-90 01-25-90 03-28-90 04-27-90 05-30-90 07-27-90	660 720 600 580 580 600 600 600	32 40 38 32 40 40 42 46
260111080101402	G -2176			01-25-90 07-27-90	1300 1300	310 280
260120080093401	G -2441	26 01 20 N	080 09 34 W	10-20-89 01-25-90 03-28-90 04-27-90 05-30-90 07-27-90	1300 1400 1260 1500 1400 1300	310 320 360 380 340 290
260311080120402	G -2270	26 03 11 N	080 12 04 W	10-20-89 04-26-90	720 810	90 130

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
260406080120401	S - 830	26 04 06 N	080 12 04 W	04-26-90	7010	2400
260442080120001	G -2492	26 04 42 N	080 12 00 W	10-12-89	610	32
260451080113801	G -2491	26 04 51 N	080 11 38 W	10-12-89	15200	4600
260451080120101	G -2493	26 04 51 N	080 12 01 W	10-12-89	760	60
260452080111801	G -2487	26 04 52 N	080 11 18 W	10-12-89	22100	6500
260456080112001	G -2488	26 04 56 N	080 11 20 W	10-12-89	20100	6300
260458080113401	G -2490	26 04 58 N	080 11 34 W	10-13-89	6900	1500
260459080112201	G -2489	26 04 59 N	080 11 22 W	10-12-89	13900	4100
260504080124301	G -2494	26 05 04 N	080 12 43 W	10-12-89	2760	80
260521080122401	G -2125	26 05 21 N	080 12 24 W	10-18-89	650	44
				12-15-89	710	42
				02-28-90	720	42
				03-30-90	660	40
				04-25-90	660	44
				05-24-90	600	38
				06-28-90	600	36
				08-28-90	650	36
260525080123901	G -2121	26 05 25 N	080 12 39 W	10-18-89	1700	320
				02-28-90	1650	330
				03-30-90	1600	330
				04-25-90	1650	300
				05-24-90	1500	330
				06-28-90	1520	310
				08-28-90	1500	300
260527080123801	G -1344	26 05 27 N	080 12 38 W	10-18-89	180	16
				12-15-89	580	42
				02-28-90	630	110
				03-30-90	600	120
				04-25-90	630	120
				05-24-90	130	10
				06-28-90	98	10
				08-28-90	99	3.5
260528080122301	G -2123	26 05 28 N	080 12 23 W	02-28-90	320	54
				03-12-90	820	32
				03-30-90	640	72
				04-05-90	630	52
				04-25-90	600	56
				05-04-90	550	56
				05-23-90	520	44
				06-28-90	580	48
				08-28-90	560	38
				09-26-90	580	42
260529080115801	G -2128	26 05 29 N	080 11 58 W	10-18-89	390	12
				12-15-89	400	14
				02-28-90	430	24
				04-25-90	410	18
				05-24-90	390	18
				06-28-90	370	10
				08-29-90	330	8.0
260529080115802	G -2127			10-18-89	440	24
				12-15-89	440	20
				02-28-90	410	20
				03-12-90	470	20
				03-29-90	400	22
				04-05-90	420	16
				04-25-90	410	18
				05-04-90	335	24
				05-23-90	375	18
				06-28-90	400	16
				08-29-90	415	16
				09-26-90	435	18

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

57

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
260530080112101	G -2130	26 05 30 N	080 11 21 W	10-18-89	590	38
				12-15-89	610	36
				02-28-90	620	44
				03-12-90	660	36
				03-29-90	570	42
				04-05-90	600	36
260530080112101	G -2130	26 05 30 N	080 11 21 W	04-25-90	570	36
				05-04-90	520	38
				05-23-90	540	34
				06-28-90	560	32
				08-29-90	550	26
				09-26-90	550	26
260533080121001	G -2126	26 05 33 N	080 12 10 W	10-18-89	430	24
				12-15-89	450	20
				02-28-90	460	38
				03-29-90	430	24
				04-25-90	420	21
				05-24-90	420	28
260533080123701	G -2122	26 05 33 N	080 12 37 W	06-28-90	420	20
				08-28-90	470	36
				10-18-89	560	38
				12-15-89	600	40
				02-28-90	660	42
				03-12-90	660	40
260533080123701	G -2122	26 05 33 N	080 12 37 W	03-30-90	510	36
				04-05-90	560	24
				04-25-90	105	11
				05-04-90	61	9.0
				05-23-90	650	36
				06-28-90	520	34
260534080112101	G -2129	26 05 34 N	080 11 21 W	08-28-90	550	32
				09-25-90	480	28
				10-18-89	270	16
				12-15-89	330	18
				02-28-90	240	13
				03-29-90	260	20
260534080112101	G -2129	26 05 34 N	080 11 21 W	04-25-90	100	7.0
				05-24-90	220	13
				06-28-90	72	14
				08-29-90	220	9.0
				09-25-90	480	28
				10-18-89	270	16
260535080104301	G - 854	26 05 35 N	080 10 43 W	12-15-89	330	18
				02-28-90	240	13
				03-29-90	260	20
				04-25-90	100	7.0
				05-24-90	220	13
				06-28-90	72	14
260535080104301	G - 854	26 05 35 N	080 10 43 W	08-29-90	220	9.0
				10-18-89	7200	1400
				12-15-89	7000	2000
				02-28-90	7000	2000
				03-12-90	7700	2000
				03-29-90	6800	2000
260535080104301	G - 854	26 05 35 N	080 10 43 W	04-05-90	7000	2000
				04-26-90	6800	2000
				05-04-90	6050	2000
				05-23-90	6400	2000
				06-28-90	6600	2000
				08-28-90	6900	2000
260547080105801	G -2352	26 05 47 N	080 10 58 W	09-26-90	6900	1800
				10-18-89	1650	290
				12-15-89	1600	320
				02-28-90	1650	360
				03-29-90	1550	360
				04-25-90	1450	320
260547080105801	G -2352	26 05 47 N	080 10 58 W	05-24-90	1550	340
				08-29-90	1700	320

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
260753080113901	G -1343	26 07 53 N	080 11 39 W	10-18-89	920	95
				12-15-89	840	95
				02-28-90	560	86
				03-12-90	940	95
				03-30-90	420	86
				04-05-90	860	90
				04-25-90	600	94
				05-04-90	730	82
				05-23-90	770	86
				06-28-90	790	82
				08-29-90	870	82
				09-26-90	810	85
261018080091101	G -2180	26 10 18 N	080 09 11 W	10-20-89	920	170
				12-23-89	1600	190
				03-05-90	1220	190
				03-16-90	1150	200
				04-24-90	920	170
				05-23-90	520	88
				06-28-90	700	110
				08-30-90	980	180
261026080100201	G -2091	26 10 26 N	080 10 02 W	10-20-89	640	48
				12-23-89	800	46
				03-05-90	690	50
				03-16-90	620	46
				04-24-90	720	50
				05-23-90	620	40
				06-28-90	520	38
				08-30-90	675	48
261026080100701	G -1347	26 10 26 N	080 10 07 W	10-20-89	620	38
				12-23-89	780	48
				03-05-90	680	40
				03-16-90	620	74
				04-24-90	680	40
				05-23-90	630	40
				06-28-90	625	40
				08-30-90	650	42
261045080093501	G -2090	26 10 45 N	080 09 35 W	10-20-89	240	40
				12-23-89	700	46
				03-05-90	650	40
				03-16-90	580	44
				04-24-90	540	40
				05-23-90	590	42
				06-28-90	220	15
				08-30-90	100	5.5
261100080140402	G -1212A	26 11 00 N	080 09 04 W	10-20-89	590	38
				12-23-89	760	40
				02-28-90	660	38
				03-16-90	700	40
				04-24-90	660	40
				05-23-90	620	36
				06-28-90	400	46
				08-30-90	610	36
261122080083401	G -1232	26 11 22 N	080 08 34 W	10-20-89	380	26
				12-23-89	480	30
				02-28-90	420	24
				03-16-90	380	24
				04-24-90	380	22
				05-23-90	430	26
				06-28-90	390	28
				08-30-90	425	30

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

59

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261143080082901	G -1340	26 11 43 N	080 08 29 W	10-20-89	540	40
				12-23-89	890	55
				02-28-90	820	60
				03-16-90	740	48
				04-24-90	540	46
				05-23-90	520	40
				06-28-90	540	42
				08-30-90	560	38
261351080062501	G -2054	26 13 51 N	080 06 25 W	10-19-89	26000	9000
				01-23-90	28500	9800
				03-13-90	27500	9900
				04-25-90	31500	11000
				05-23-90	29000	10000
				08-30-90	30000	9700
261354080070201	G -2062	26 13 54 N	080 07 02 W	10-19-89	28500	9900
				01-23-90	28000	9600
				04-25-90	33500	11000
261354080070201	G -2062	26 13 54 N	080 07 02 W	05-23-90	30200	11000
				08-30-90	27000	8800
261359080062301	G -2055	26 13 59 N	080 06 23 W	10-19-89	9200	3100
				01-23-90	9200	3100
				03-12-90	10500	3500
				03-27-90	9800	3400
				04-05-90	13000	3900
				04-25-90	12500	3800
				05-23-90	11000	3900
				09-25-90	13000	4700
261359080062302	G -2055A			10-20-89	27600	8800
				01-23-90	27500	9300
				04-25-90	30000	9700
				05-23-90	25400	8400
				08-30-90	27000	8300
261403080070801	G -2149	26 14 03 N	080 07 08 W	10-20-89	1600	210
				01-23-90	1220	250
				03-16-90	900	190
				04-25-90	770	100
				05-23-90	1100	240
				08-30-90	830	160
261413080071402	G -2447	26 14 13 N	080 07 14 W	10-20-89	520	76
				01-23-90	400	88
				03-16-90	730	66
				04-25-90	640	52
				05-23-90	580	62
				08-30-90	500	60
261423080071503	G -2344A	26 14 23 N	080 07 15 W	01-23-90	400	24
				03-16-90	500	28
				04-25-90	700	36
				05-23-90	580	40
				08-30-90	650	38
261427080062702	G -2276	26 14 27 N	080 06 27 W	10-20-89	390	32
				01-23-90	400	30
				03-16-90	420	40
261427080064002	G -2480	26 14 27 N	080 06 40 W	10-20-89	800	70
				01-23-90	500	68
				03-16-90	620	74
				05-23-90	600	66
				08-30-90	640	68

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
BROWARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261446080062801	G -2445	26 14 46 N	080 06 28 W	10-20-89	1400	270
				01-23-90	825	250
				03-16-90	910	260
				04-25-90	1550	260
				05-23-90	1200	260
				08-30-90	1800	270
261448080061301	G -2001	26 14 48 N	080 06 13 W	09-25-90	1650	320
261500080055401	G -2063	26 15 00 N	080 05 54 W	03-27-90	44000	17000
				04-05-90	51000	17000
				04-25-90	48000	17000
				05-04-90	40500	17000
				05-23-90	43000	17000
261501080060701	G -2147	26 15 01 N	080 06 07 W	03-27-90	750	88
				04-05-90	525	40
				05-23-90	355	28
261501080060702	G -2064			10-20-89	34500	12000
				01-23-90	33500	12000
				03-12-90	34000	12000
				03-27-90	34000	13000
				04-05-90	39000	17000
				04-25-90	37000	12000
				05-04-90	30500	12000
				05-23-90	32800	11000
				08-30-90	35000	13000
261544080062402	G -2277	26 15 44 N	080 06 24 W	09-25-90	36000	12000
				10-20-89	420	36
				01-23-90	540	40
				03-12-90	500	36
				03-27-90	500	40
				04-05-90	690	24
				04-25-90	650	26
				05-23-90	580	42
261544080062403	G -2278			08-30-90	540	32
				09-25-90	640	24
				10-20-89	380	30
261726080054101	G -2255	26 17 26 N	080 05 41 W	01-23-90	380	30
				04-25-90	400	14
				05-23-90	380	28
				08-30-90	380	24
261814080054601	G -2060	26 18 14 N	080 05 46 W	10-16-89	41000	15000
				04-26-90	39900	15000
				09-25-90	42000	15000
261814080054601	G -2060	26 18 14 N	080 05 46 W	10-20-89	515	36
				04-26-90	300	82

WATER RESOURCES DATA FOR FLORIDA, 1990
VOLUME 2B: SOUTH FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 5
COLLIER COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER	INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	254858081231601	C 39	64	31	261243081480301	C 490	104
3	255430081221001	C 311	65	31	261438081481001	C 575	105
4	255700081274501	C 269	66	31	261302081473901	C 489	106
57	255637081281401	C 1065	66	32	261343081384801	C 980	107
57	255637081281402	C 1066	67	32	261343081384802	C 956	107
5	255703081213801	C 995	67	31	261346081480201	C 515	108
6	255748081181801	C 495	68	33	261347081351201	C 953	108
7	260111081243901	C 496	69	33	261347081351202	C 951	109
58	260137081375901	C 1063	70	33	261347081351701	C 948	109
58	260137081375902	C 1064	70	67	261401081461401	C 458	110
8	260238081401401	C 969	71	34	261405081465501	C 460	110
59	260247081412201	C 1081	71	35	261417081305402	C 598	111
9	260304081391401	C 975	72	36	261435081472501	C 321	111
10	260309081272601	C 987	72	36	261436081480301	C 1003	112
60	260314081323101	C 1067	73	68	261457081460901	C 1056	113
60	260314081323102	C 1068	73	69	261459081480401	C 1060	113
9	260334081391601	C 968	74	38	261508081484902	C 999	114
11	260448081411601	C 446	74	38	261524081480401	C 424	115
12	260540081430601	C 967	75	39	261530081412001	C 997	116
12	260549081441901	C 600	75	70	261537081461201	C 1057	116
13	260632081324702	C 690	76	70	261537081461202	C 1058	117
14	260630081411401	C 599	76	71	261604081480901	C 1059	117
15	260640081204301	C 296	77	40	261620081450201	C 998	118
61	260813081214301	C 1069	77	40	261620081450701	C 384	119
61	260813081214302	C 1070	78	41	261620081464401	C 1004	120
16	260843081324201	C 973	79	39	261621081412302	C 303	120
16	260843081324202	C 972	80	42	261630081360001	C 304	121
17	260902081480401	C 130	80	43	261721081351303	C 971	122
18	260908081411201	C 996	81	44	261733081285501	C 984	123
19	260912081434201	C 175	81	44	261733081285502	C 989	123
20	260915081385901	C 976	82	44	261733081285503	C 985	124
20	260915081385902	C 977	82	45	261740081235401	C 684	124
62	260919081460501	C 1052	83	45	261740081235402	C 689	125
62	260919081460502	C 1053	83	45	261740081235403	C 1073	126
21	260925081475101	C 1062	84	45	261741081235401	C 503	127
21	260925081475201	C 472A	84	46	261802081354801	C 688	128
22	260941081324201	C 974	85	77	261805081473301	C 1082	129
21	260948081483301	C 524	86	77	261805081473302	C 1083	130
21	261003081475801	C 123	87	72	261823081171901	C 1071	131
21	261018081484101	C 526	88	72	261823081171902	C 1072	131
23	261000080520001	C 54	89	47	262121081355501	C 978	132
24	261023081470701	C 161	89	47	262121081355502	C 963	132
63	261024081463801	C 1051	90	47	262121081355503	C 979	133
21	261024081480102	C 409	90	48	262136081204201	C 966	133
21	261024081480101	C 409A	91	48	262136081204202	C 965	134
21	261048081484801	C 527	92	49	262158081283401	C 981	134
25	261103081474902	C 1000	93	49	262158081283402	C 983	135
25	261114081482301	C 474A	93	49	262158081283403	C 982	135
25	261114081482302	C 474	94	49	262158081283404	C 1079	136
25	261117081480101	C 491	94	50	262223081361901	C 492	136
25	261116081480303	C 1001	95	73	262228081361902	C 1080	137
26	261124081470101	C 392	95	51	262505081245301	C 258	137
26	261124081470301	C 391	96	52	262507081235201	C 298	138
64	261127081461001	C 1054	96	74	262519081162102	C 1074	139
27	261146081460701	C 430	97	53	262521081161901	C 131	140
28	261200081483001	C 528	98	54	262554081283801	C 687	141
28	261156081475801	C 516	99	55	262555081242501	C 363	142
29	261200081204901	C 986	99	75	262558081270501	C 1078	142
65	261211081441301	C 1055	100	56	262724081260701	C 462	143
28	261233081480201	C 506	100	76	262822081213201	C 1075	143
28	261233081480202	C 1026	101	76	262822081213202	C 1076	144
30	261241081465401	C 1002	101	76	262822081213203	C 1077	144
78	261246081460101	C 1086	102	57	262859081273001	C 531	145
78	261246081460201	C 1085	102	57	262859081273002	C 532	145
66	261311081480101	C 1061	103				

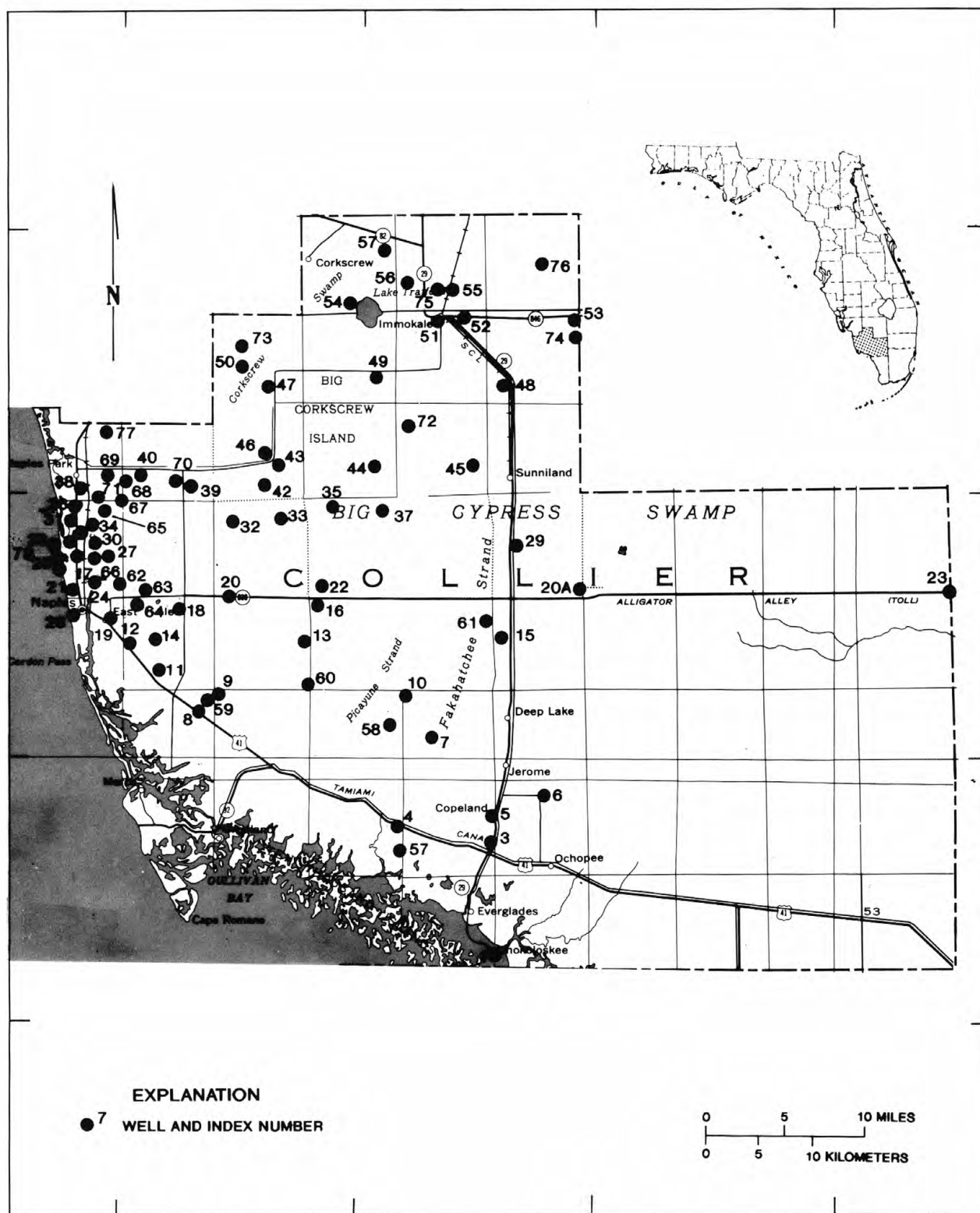


Figure 5: Location of wells in Collier County

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--254858081231601. Local Number C 39.

LOCATION.--Lat 25°48'50", long 81°21'47", in sec.36, T.53 S., R.29 E., Hydrologic Unit 03090204, 110 ft southeast of Hamilton Fish Company, 0.25 mi west of Chokoloskee Post Office and 3 mi south of Everglades City on State Road 29.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 5 in., depth 484 ft, cased to 436 ft, open hole 436 to 484 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 10.00 ft above National Geodetic Vertical Datum of 1929 from topographic map. Measuring point: Top of 6 in. gate valve, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Well used for public supply.

PERIOD OF RECORD.--1949 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft NGVD, Aug. 16, 1949, Oct. 25, 1983; lowest measured, 32.5 ft NGVD, Jan. 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1135	37.50	29...	1035	37.20
26...	1230	40.50	APR		
NOV			24...	1025	37.80
29...	1225	40.10	MAY		
DEC			23...	1425	39.60
26...	1230	38.20	JUN		
JAN			27...	1000	38.80
30...	1230	38.00	AUG		
FEB			01...	0950	39.40
28...	1030	37.80	29...	0910	40.10

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

65

COLLIER COUNTY

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

LOCATION.--Lat 25°54'38", long 81°21'54", in NW¼SE¼ sec.25, T.52 S., R.29 E., Hydrologic Unit 03090204, 20 ft south of U.S. Highway 41, 3 mi south of Copeland and 4 mi west of Ochopee. Owner: Collier Corp..

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 2 in. "Tee", 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1959 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.9 ft NGVD, Mar. 31, 1988; lowest measured, 31.9 ft NGVD, Aug. 29, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1120	37.40	24...	1000	37.10
26...	1210	37.70	MAY		
NOV			23...	1410	39.10
29...	1125	40.30	JUN		
DEC			27...	0945	38.70
26...	1145	40.10	JUL		
JAN			31...	0930	39.90
30...	1145	36.70	AUG		
FEB			29...	0855	40.60
28...	1000	38.70	SEP		
MAR			27...	1405	41.00
29...	1020	37.10			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--255700081274501. Local Number C 269.

LOCATION.--Lat 25°56'26", long 81°28'12", in NW¼SW¼ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, south of U.S. Highway 41 at Weavers Station, 7 mi west of the junction of U.S. Highway 41 and State Road 29. Owner: L.G. Norris.

AQUIFER.--Mid Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 392 ft, cased to 300 ft, open hole 300 to 392 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 2.50 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of 4 in. coupling, 1.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Well destroyed Mar. 28, 1990.

PERIOD OF RECORD.--April 1951 to March 1990. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.7 ft NGVD, Sept. 6, 1974; lowest measured, 20.4 ft NGVD, Aug. 26, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			JAN		
04...	1105	36.10	30...	1155	35.10
26...	1320	35.90	FEB		
NOV			28...	1105	32.00
29...	1155	36.70			
DEC					
26...	1205	34.90			

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

LOCATION.--Lat 25°56'37", long 81°28'14", in SW¼NW¼ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, 1,000 ft northwest of U.S. Highway 41 at Big Cypress Bend Indian Reservation, 6.7 mi northwest of State Highway 29 on U.S. Highway 41, 24 mi southeast of Naples on U.S. Highway 41. Owner: U.S. Geological Survey.

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, 23 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.05 ft NGVD, Oct. 5, 1989; lowest measured, 0.60 ft below NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1110	1.41	29...	1100	-0.19
26...	1300	1.33	MAY		
NOV			23...	1450	0.57
29...	1150	0.90	JUN		
DEC			27...	1030	1.35
26...	1200	0.71	AUG		
JAN			01...	0910	1.30
30...	1200	0.40	29...	0835	1.91
FEB			SEP		
28...	1120	-0.14	27...	1230	1.56

COLLIER COUNTY

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

LOCATION.--Lat 25°56'37", long 81°28'14", in SW¼NW¼ sec.13, T.52 S., R.28 E., Hydrologic Unit 03090204, 1,000 ft northwest of U.S. Highway 41 at Big Cypress Bend Indian Reservation, 6.7 mi northwest of State Highway 29 on U.S. Highway 41, 24 mi southeast of Naples on U.S. Highway 41. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 180 ft, cased to 102 ft, 78 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.82 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.80 ft NGVD, Oct. 21, 1986; lowest measured, 0.87 ft below NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1110	1.01	24...	1055	-0.26
26...	1300	0.90	MAY		
NOV			23...	1450	0.30
29...	1150	0.52	JUN		
DEC			27...	1030	0.99
26...	1200	0.31	AUG		
JAN			01...	0915	0.91
30...	1205	0.06	29...	0840	1.53
FEB			SEP		
28...	1130	-0.48	27...	1355	1.18
MAR					
29...	1100	-0.42			

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

LOCATION.--Lat 25°57'03", long 81°21'38", in SE¼SE¼ sec.12, T.52 S., R.29 E., Hydrologic Unit 03090204, in Department of Natural Resources pump house, 200 ft east of James Scenic Drive and 0.4 mi north of Copeland. Owner: Department of Natural Resources.

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 8.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.72 ft NGVD, July 30, 1985; lowest measured, 1.23 ft NGVD, May 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1050	4.67	29...	1120	1.65
27...	0900	4.42	APR		
NOV			24...	1130	1.40
29...	1120	3.14	MAY		
DEC			25...	0925	1.83
26...	1130	3.08	JUN		
JAN			27...	1045	2.79
30...	1130	2.24	AUG		
FEB			01...	1105	2.81
28...	1150	1.89	29...	1210	6.10

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 25°57'53", long 81°18'43", in NE¼NE¼ sec.9, T.52 S., R.30 E., Hydrologic Unit 03090204, 25 ft south of County Highway 837, 50 ft west of State Highway 84, 2.6 mi east of State Highway 29, and 4.4 mi north of Ochopsee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 70 ft, cased to 8 ft, open hole 8 to 70 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1971 to September 1984 (daily). October 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1150	6.13	29...	1010	2.85
26...	1200	5.98	APR		
NOV			24...	0945	2.24
29...	1250	5.01	MAY		
DEC			23...	1400	1.70
26...	1250	5.02	JUN		
JAN			27...	0930	3.57
30...	1250	4.13	AUG		
FEB			01...	1050	2.11
28...	0940	3.71	29...	1150	6.87

COLLIER COUNTY

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

LOCATION.--Lat 26°00'23", long 81°24'39", in NE¼NE¼ sec.28, T.51 S., R.29 E., Hydrologic Unit 03090204, east of James Scenic Drive, 7.1 mi northwest of Copeland and 6.4 mi northwest of fire lookout tower. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 59.5 ft, cased to 8 ft, open hole 8 to 59.5 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.82 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1982 land-surface datum was considered to be 13.59 ft above NGVD. Measuring point: Top of recorder shelf, 1.03 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality. Water levels estimated June 27 - July 11, July 31 - Sept. 30, 1990 water year.

PERIOD OF RECORD.--January 1971 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to October 1, 1982 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.83 ft NGVD, July 23, and Aug. 19, 1982; lowest, 1.61 ft NGVD, June 9, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.30	6.95	6.88	6.92	6.41	5.09	3.47	2.24	2.35	3.28	4.50	6.81
10	6.70	6.97	6.90	6.89	6.22	4.72	3.26	2.05	4.36	3.78	4.76	6.59
15	6.87	6.97	6.91	6.83	6.13	4.35	3.03	1.90	3.83	4.35	5.18	6.87
20	6.95	6.90	6.89	6.76	5.83	4.10	2.80	1.76	3.53	4.23	5.80	6.79
25	6.94	6.86	6.93	6.70	5.66	3.80	2.61	1.69	3.22	4.73	6.45	6.77
EOM	6.95	6.94	6.96	6.53	5.33	3.61	2.45	1.95	3.51	4.22	6.87	7.04
MEAN	6.75	6.93	6.91	6.81	6.06	4.36	3.02	1.95	3.33	4.03	5.48	6.78
MAX	6.96	6.97	6.97	6.95	6.52	5.24	3.62	2.42	4.36	4.85	6.97	7.04
MIN	6.27	6.80	6.86	6.53	5.33	3.61	2.45	1.64	2.00	3.24	4.28	6.51
WTR YR 1990	MEAN	5.19	MAX	7.04	SEP 30	MIN	1.64	MAY 24				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°01'37", long 81°37'59", in NE¼SW¼ sec.17, T.51 S., R.27 E., Hydrologic Unit 03090204, 0.45 mi northeast on Hamilton Road to end and 50 ft northwest of Hamilton Road, 4.95 mi southeast on U.S. Highway 41 from State Highway 951, 9.0 mi southeast of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSd.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 55 ft, cased to 30 ft, 25 ft of open hole.

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 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.32 ft NGVD, Aug. 28, 1990; lowest measured, 0.36 ft NGVD, May 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
02...	1145	4.29	22...	1155	1.50
23...	1415	4.18	JUN		
NOV			28...	1140	3.91
28...	1150	2.55	JUL		
DEC			31...	1415	4.59
27...	1210	3.25	AUG		
JAN			28...	1705	5.32
30...	1200	2.65	SEP		
FEB			27...	1230	5.00
28...	1150	1.80			
MAR					
29...	1405	0.81			

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

LOCATION.--Lat 26°01'37", long 81°37'59", in NE¼SW¼ sec.17, T.51 S., R.27 E., Hydrologic Unit 03090204, 0.45 mi northeast on Hamilton Road to end and 50 ft northwest of Hamilton Road, 4.95 mi southeast on U.S. Highway 41 from State Highway 951, 9.0 mi southeast of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 120 ft, cased to 84 ft, 36 ft of open hole.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface is 6.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.99 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated June 4-28, 1990 water year.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.89 ft NGVD, Sept. 20, 1990; lowest, 0.79 ft NGVD, Mar. 30, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.11	3.38	3.41	3.24	2.55	1.64	1.01	1.12	3.49	4.24	4.90	5.44
10	4.87	3.16	3.69	3.15	2.22	1.49	1.19	1.15	3.65	5.05	5.00	5.44
15	4.68	2.92	3.37	3.02	2.20	1.25	1.18	1.18	3.79	5.11	5.70	5.17
20	4.55	2.77	3.30	2.77	1.98	1.12	1.18	1.12	3.93	4.99	5.44	5.87
25	4.02	2.66	3.33	2.77	2.13	.95	1.13	2.07	4.24	5.03	5.21	5.56
EOM	3.65	3.63	3.22	2.60	1.82	.93	1.17	2.86	4.43	4.71	5.22	5.67
MEAN	4.33	3.05	3.41	2.96	2.24	1.26	1.12	1.55	3.86	4.84	5.25	5.47
MAX	4.87	3.63	3.72	3.24	2.55	1.78	1.19	2.91	4.43	5.27	5.83	5.87
MIN	3.65	2.54	3.22	2.60	1.82	.79	.99	1.03	3.23	4.24	4.46	5.11
WTR YR 1990	MEAN	3.29	MAX	5.87	SEP 20	MIN	.79	MAR 30				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

71

COLLIER COUNTY

WELL NUMBER.--260238081401401. Local Number C 969.

LOCATION.--Lat 26°02'38", long 81°40'14", in SW¼SW¼ sec.12, T.51 S., R.26 E., Hydrologic Unit 03090204, 300 ft south of U.S. Highway 41, 2 mi south of County Highway 951 and 11.5 mi southeast of Naples. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 72 ft, cased to 25 ft, open hole 25 to 72 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.09 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level 6.00 ft NGVD, July 23, 1985; lowest, 0.19 ft NGVD, Feb. 25, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.54	1.67	1.66	1.78	1.43	1.23	.74	.47	2.97	3.16	3.76	4.51
10	3.23	1.62	2.16	1.75	1.37	1.14	.67	.52	3.90	3.98	3.75	4.35
15	3.40	1.41	1.55	1.58	1.36	1.07	.61	.58	3.28	4.20	4.95	3.99
20	3.21	.93	1.90	1.52	1.27	.96	.53	.60	2.98	4.16	5.02	4.26
25	2.33	1.19	1.81	1.51	1.35	.90	.47	1.76	2.75	4.10	4.64	4.17
EOM	2.00	1.92	1.86	1.46	1.23	.82	.50	2.62	3.46	3.80	4.27	3.71
MEAN	2.78	1.48	1.90	1.61	1.35	1.04	.61	1.04	3.23	3.89	4.38	4.16
MAX	3.40	1.92	2.23	1.85	1.47	1.26	.81	2.64	3.96	4.42	5.16	4.51
MIN	1.91	.87	1.38	1.39	1.22	.82	.47	.43	2.71	3.09	3.50	3.71

WTR YR 1990 MEAN 2.30 MAX 5.16 AUG 18 MIN .43 MAY 8

WELL NUMBER.--260247081412201. Local Number C 1081.

LOCATION.--Lat 26°02'47", long 81°41'22", in SE¼NE¼ sec.10, T.51 S., R.26 E., Hydrologic Unit 03090204, 100 ft south of Manatee Road, 0.65 mi east of County Highway 951 and 1.1 mi south of U.S. Highway 41. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 8 in., depth 80 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface is 4.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.33 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality. Well destroyed Mar. 28, 1990.

PERIOD OF RECORD.--October 1986 to March, 1990.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.74 ft NGVD, Aug. 19, 1989; lowest, 0.45 ft NGVD, Mar. 6, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.13	1.50	1.18	1.19	.92	1.04						
10	2.58	1.39	1.91	1.19	.88	.86						
15	2.53	1.30	1.44	.95	.92	.83						
20	2.32	.96	1.32	.95	.85	.69						
25	1.85	.92	1.28	.95	.95	.63						
EOM	1.69	1.55	1.35	.90	.78	---						
MEAN	2.22	1.26	1.43	1.04	.88	.80						
MAX	2.77	1.64	1.91	1.35	1.00	1.04						
MIN	1.69	.91	1.18	.81	.74	.58						

WTR YR 1990 MEAN 1.29 MAX 2.77 OCT 17 MIN .58 MAR 27

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

COLLIER COUNTY

WELL NUMBER.--260304081391401. Local Number C 975.

LOCATION.--Lat 26°03'04", long 81°39'14", in SW¼SW¼ sec.6, T.50 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. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 150 ft, cased to 60 ft, open hole 60 to 150 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.18 ft NGVD, Aug. 28, 1990; lowest measured, 2.35 ft NGVD, Mar. 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
02...	1100	5.28	22...	1125	5.55
23...	1230	7.56	JUN		
NOV			28...	1150	7.89
28...	1115	6.71	JUL		
DEC			31...	1325	8.71
27...	1140	7.36	AUG		
JAN			28...	1550	9.18
30...	1120	6.87	SEP		
FEB			27...	1240	8.24
28...	1100	6.11			
MAR					
29...	1325	5.33			

WELL NUMBER.--260309081272601. Local Number C 987.

LOCATION.--Lat 26°03'09", long 81°27'26", in SW¼SW¼ sec.6, T.51 S., R.29 E., Hydrologic Unit 03090204, 35 ft north of James Scenic Drive, 35 ft east of canal and 9.5 mi northwest of Copeland. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 370 ft, cased to 280 ft, open hole 280 to 370 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 9.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.3 ft NGVD, Oct. 5, 1988; lowest measured 37.1 ft NGVD, June 25, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1015	39.10	25...	1010	37.90
27...	0950	40.50	JUN		
NOV			27...	1125	38.70
29...	1035	40.30	AUG		
DEC			01...	1150	39.30
26...	1035	40.40	29...	1300	39.40
JAN			SEP		
30...	1040	41.60	27...	1425	39.00
APR					
24...	1215	38.40			

COLLIER COUNTY

WELL NUMBER.--260314081323101. Local Number C 1067.

LOCATION.--Lat 26°03'14", long 81°32'31", in NE¼SE¼ 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 (State Highway 84) on Everglades. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 65 ft, cased to 30 ft, 35 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.27 ft NGVD, Sept. 2, 1988; lowest measured, 1.26 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1000	5.71	29...	1205	1.99
27...	1000	5.37	APR		
NOV			24...	1230	1.33
29...	1025	3.76	MAY		
DEC			25...	1015	1.76
26...	1025	3.71	JUN		
JAN			27...	1130	3.60
30...	1025	3.00	AUG		
FEB			01...	1215	4.71
28...	1255	2.59	29...	1310	6.50

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

LOCATION.--Lat 26°03'14", long 81°32'31", in NE¼SE¼ 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 (SR 84) on Everglades Boulevard. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 200 ft cased to 120 ft, 80 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.62 ft above land-surface datum (revision).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.26 ft NGVD, Sept. 2, 1988; lowest measured, 1.39 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1000	5.75	24...	1230	1.49
27...	1000	5.38	MAY		
NOV			25...	1020	1.76
29...	1025	3.86	JUN		
DEC			27...	1135	3.69
26...	1025	3.82	AUG		
JAN			01...	1210	4.85
30...	1025	3.13	29...	1315	6.44
FEB			SEP		
28...	1250	2.78	27...	1435	5.66
MAR					
29...	1205	2.12			

COLLIER COUNTY

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

LOCATION.--Lat 26°03'34", long 81°39'16", in SE¼NE¼ sec.1, T.51 S., R.26 E., Hydrologic Unit 03090204, west of Greenway Road, 1.75 mi north of U.S. Highway 41 and 11 mi southeast of Naples. Owner: South Florida Water Management District.

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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.85 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Nov. 9-28, Aug. 28 - Sept. 30, 1990 water year.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.62 ft NGVD, July 23, 1985; lowest, 2.00 ft NGVD June 2, 1989 (estimated).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.73	5.22	5.26	4.93	4.18	3.55	2.85	2.17	4.96	5.60	6.65	6.90
10	6.09	5.21	5.35	4.55	4.09	3.42	3.13	2.04	6.36	6.72	6.88	6.88
15	5.54	5.18	5.29	4.43	4.00	3.66	2.97	2.11	5.51	6.71	7.17	6.58
20	5.36	4.98	5.21	4.27	3.83	3.04	2.88	2.22	5.32	6.79	7.28	6.42
25	5.45	5.17	5.19	4.17	3.83	2.81	2.75	4.00	5.11	6.74	7.15	6.19
EOB	5.45	5.35	4.87	4.73	3.75	2.83	2.38	4.39	6.37	6.64	7.07	6.06
MEAN	5.72	5.17	5.26	4.46	4.11	3.25	2.83	2.81	5.65	6.53	7.02	6.60
MAX	6.20	5.65	5.88	4.93	4.78	3.75	3.14	4.54	6.67	6.86	7.33	7.24
MIN	5.27	4.85	4.87	4.06	3.75	2.75	2.38	2.02	4.79	5.60	6.48	6.06

WTR YR 1990 MEAN 4.96 MAX 7.33 AUG 18 MIN 2.02 MAY 13 AND OTHERS

WELL NUMBER.--260448081411601. Local Number C 446.

LOCATION.--Lat 26°04'48", long 81°41'16", in NW¼NE¼ sec.34, T.50 S., R.26 E., Hydrologic Unit 03090204, 30 ft west of State Road 951, 1.25 mi north of U.S. Highway 41 and 7 mi southeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5.5 in., depth 24 ft, cased to 8 ft, open hole 8 to 24 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 casing, 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1975 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.93 ft NGVD, July 29, 1985; lowest measured, 1.28 ft below NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	1010	4.50	28...	1230	0.73
23...	1100	3.87	MAY		
NOV			22...	1050	-1.05
28...	1015	2.56	JUN		
DEC			28...	1050	4.65
27...	1055	2.94	JUL		
JAN			31...	1300	4.85
30...	1035	2.24	AUG		
FEB			28...	1430	5.82
27...	1530	1.26			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

75

COLLIER COUNTY

WELL NUMBER.--260540081430601. Local Number C 967.

LOCATION.--Lat 26°05'40", long 81°43'06", in NW¼NW¼ sec.28, T.50 S., R.26 E., Hydrologic Unit 03090204, behind Lely High School, 0.7 mi east of U.S. Highway 41 and 6.5 mi southwest of Naples. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 140 ft, cased to 19 ft, open hole 19 to 140 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.63 ft NGVD, July 25, 1985; lowest, 1.13 ft below NGVD, May 20, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.79	2.80	1.93	1.56	1.13	.57	-0.14	-0.85	.87	2.99	4.41	4.59
10	3.95	2.56	2.46	1.38	1.03	.44	-0.14	-0.98	3.43	3.97	4.18	4.25
15	3.82	2.37	2.10	1.29	.96	.30	-0.33	-1.03	2.57	3.56	4.30	4.57
20	3.83	2.25	1.84	1.18	.66	.18	-0.47	-1.13	2.26	4.19	4.81	4.80
25	3.52	2.07	1.97	1.13	.86	.00	-0.61	.23	1.88	4.08	4.46	4.60
EOC	3.12	2.35	1.67	1.15	.79	-0.01	-0.67	.58	3.63	3.57	4.40	4.22
MEAN	3.70	2.44	2.00	1.30	.94	.28	-0.36	-0.61	2.26	3.71	4.31	4.48
MAX	4.10	3.04	2.55	1.64	1.19	.66	.03	.58	3.74	4.29	4.81	4.89
MIN	3.12	1.97	1.67	1.05	.57	-0.12	-0.67	-1.13	.43	2.89	3.17	4.16

WTR YR 1990 MEAN 2.05 MAX 4.89 SEP 21 MIN -1.13 MAY 20

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

LOCATION.--Lat 26°05'49", long 81°44'19", in NW¼SE¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 52 ft, cased to 48 ft, slotted 48 to 52 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.24 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replacement well for C 500.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.50 ft NGVD, Aug. 7, 1982; lowest, 1.10 ft NGVD, Apr. 22-23, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.21	2.91	2.81	2.91	2.54	2.36	1.73	1.52	2.93	3.70	3.60	4.31
10	3.54	2.82	3.51	2.77	2.47	2.40	1.96	1.49	4.08	4.17	3.41	3.89
15	3.13	2.77	3.02	2.65	2.58	2.33	1.81	1.52	3.48	3.81	3.75	4.08
20	3.45	2.79	2.97	2.60	2.52	1.94	1.80	1.36	3.22	4.01	3.92	4.57
25	2.99	2.70	2.98	2.62	2.67	1.73	1.73	2.62	3.06	3.84	3.70	4.31
EOC	2.94	3.24	2.93	2.50	2.50	1.98	1.70	2.63	4.02	3.46	3.64	3.93
MEAN	3.22	2.90	3.06	2.71	2.59	2.16	1.80	1.82	3.42	3.83	3.65	4.10
MAX	3.56	3.24	3.56	2.93	3.01	2.65	2.05	2.69	4.11	4.25	3.92	4.57
MIN	2.94	2.70	2.81	2.50	2.44	1.64	1.59	1.36	2.60	3.46	3.37	3.61

WTR YR 1990 MEAN 2.94 MAX 4.57 SEP 20 MIN 1.36 MAY 20

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°06'29", long 81°32'35", in NE¼NE¼ sec.19, 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 State Highway 84, 8.5 mi northeast of Royal Palm Hammock and 15.7 mi east of Naples. Owner: U.S. Geological Survey.

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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 4.46 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality. Replacement well for C 501. Water levels estimated Jan. 30 - Feb. 20, June 15 - July 31, Aug. 18 - Sept. 30, 1990 water year.

PERIOD OF RECORD.--October 1980 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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.17	6.06	5.78	5.38	4.79	4.15	3.47	2.66	3.92	6.68	7.19	8.74
10	7.41	5.89	5.75	5.30	4.69	4.07	3.33	2.54	7.76	6.61	6.76	8.71
15	7.81	5.74	5.70	5.18	4.54	3.99	3.20	2.50	6.26	6.60	7.81	8.73
20	7.25	5.60	5.58	5.08	4.35	3.87	3.06	2.50	6.28	6.62	8.38	8.70
25	6.88	5.48	5.56	4.97	4.26	3.76	2.88	2.90	6.55	6.60	8.60	8.66
EOB	6.30	5.82	5.48	4.86	4.23	3.56	2.77	3.22	6.45	6.64	8.76	8.63
MEAN	7.16	5.78	5.66	5.16	4.54	3.94	3.18	2.71	5.95	6.59	7.81	8.71
MAX	7.95	6.24	5.83	5.47	4.84	4.23	3.55	3.22	7.76	6.75	8.76	8.77
MIN	6.30	5.45	5.48	4.86	4.23	3.56	2.77	2.50	3.22	6.42	6.40	8.63

WTR YR 1990 MEAN 5.60 MAX 8.77 SEP 1 MIN 2.50 MAY 15 AND OTHERS

WELL NUMBER.--260630081411401. Local Number C 599.

LOCATION.--Lat 26°06'30", long 81°41'14", in NE¼NE¼ sec.22, T.50 S., R.26 E., Hydrologic Unit 03090204, 30 ft west of County Highway 951, 300 ft south of County Highway 864, 4.3 mi north of Belle Meade and 7.6 mi southeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 50 ft, cased to 46 ft, screened 46 to 50 ft with .060 slot.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.71 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replacement well for C 381

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.05 ft NGVD, July 24, 1985; lowest, 3.05 ft NGVD, May 20, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.18	6.37	5.75	5.72	5.07	4.69	4.01	3.31	4.73	6.54	8.74	8.02
10	7.16	6.19	6.24	5.62	4.98	4.55	3.93	3.18	7.92	7.42	8.32	7.95
15	7.00	6.01	6.07	5.48	4.93	4.43	3.82	3.10	6.73	7.23	8.86	7.55
20	6.89	5.89	5.89	5.36	4.84	4.30	3.74	3.05	6.15	8.49	8.94	7.84
25	6.71	5.78	5.97	5.24	4.82	4.17	3.63	4.04	6.06	8.35	8.44	8.03
EOB	6.50	5.84	5.82	5.14	4.78	4.06	3.48	4.87	7.04	7.49	8.14	7.56
MEAN	6.95	6.05	5.95	5.46	4.93	4.40	3.81	3.55	6.31	7.57	8.46	7.82
MAX	7.44	6.46	6.24	5.80	5.14	4.75	4.08	4.90	8.00	8.50	9.13	8.69
MIN	6.50	5.74	5.72	5.14	4.78	4.06	3.48	3.05	4.67	6.46	7.13	7.42

WTR YR 1990 MEAN 5.95 MAX 9.13 AUG 6 MIN 3.05 MAY 20

COLLIER COUNTY

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

LOCATION.--Lat 26°06'40", long 81°20'43", in SE¼SE¼ sec.18, T.50 S., R.30 E., Hydrologic Unit 03090204, west of State Road 29, 3 mi south of State Road 84, and 10.8 mi north of Copeland. Owner: U.S. Geological Survey.

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.--Monthly measurement with chalked tape.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1959 to October 1984 (daily). November 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 26...	1135	10.52	MAR 29...	0950	8.15
NOV 29...	1310	11.08	MAY 23...	1350	7.86
DEC 26...	1345	10.58	JUN 27...	0915	8.34
JAN 30...	1305	9.74	JUL 31...	1225	10.26
FEB 28...	0915	9.62	AUG 28...	1115	10.52

WELL NUMBER.--260813081214301. Local Number C 1069.

LOCATION.--Lat 26°08'13", long 81°21'43", in NE¼NE¼ sec.1, T.50 S., R.29 E., Hydrologic Unit 03090204, 75 ft south of Alligator Alley (SR 84), 1.0 mi west of SR 29 on Alligator Alley (SR 84), 7.9 mi Southwest of Sunnyland. Owner: U.S. Geological Survey.

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 20 ft, 30 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.48 ft NGVD, Nov. 25, 1987; lowest measured, 7.14 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 04...	1215	12.62	APR 24...	0910	9.94
26...	1120	12.55	MAY 23...	1340	9.61
NOV 29...	1320	12.57	JUN 27...	0905	10.64
DEC 26...	1350	12.25	JUL 31...	1235	12.32
JAN 30...	1310	11.95	AUG 28...	1130	12.55
FEB 27...	0840	11.60			
MAR 29...	0940	10.03			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°08'13", long 81°21'43", in NE¼NE¼ sec.1, T.50 S., R.29 E., Hydrologic Unit 03090204, 75 ft south of Alligator Alley (State Highway 84), 1.0 mi west of State Highway 29 on State Highway 84, 7.9 mi southwest of Sunnyland. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 205 ft., cased to 100 ft., 105 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.03 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.49 ft NGVD, Nov. 25, 1987; lowest measured, 7.10 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1215	12.65	23...	0915	9.44
26...	1120	12.62	MAY		
NOV			23...	1340	9.69
29...	1320	11.94	JUN		
DEC			27...	0905	10.83
26...	1350	12.29	JUL		
JAN			31...	1235	12.46
30...	1315	11.99	AUG		
FEB			28...	1125	12.53
27...	0840	11.65	SEP		
MAR			27...	1520	13.01
29...	0840	10.20			

COLLIER COUNTY

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

LOCATION.--Lat 26°08'43", long 81°32'42", in SW¼NE¼ 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 State Highway 84 and 15.75 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.15 ft NGVD, Sept. 25, 1985; lowest measured, 3.06 ft NGVD, May 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0935	7.92	24...	1315	3.53
27...	1040	7.27	MAY		
NOV			25...	1045	3.06
29...	0940	5.97	JUN		
DEC			27...	1230	5.29
26...	0945	5.79	JUL		
JAN			31...	1310	7.65
30...	0940	5.30	AUG		
FEB			28...	1145	9.37
28...	1340	4.79			
MAR					
29...	1230	4.11			

COLLIER COUNTY

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

LOCATION.--Lat 26°08'43", long 81°32'42", in SW¼NE¼ 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 State Highway 84 and 15.75 mi east of Naples. Owner: South Florida Water Management District.

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, 4.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.90 ft NGVD, Aug. 29, 1985; lowest measured, 2.99 ft NGVD, May 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0935	7.91	24...	1320	3.46
27...	1035	7.22	MAY		
NOV			25...	1045	2.99
29...	0945	5.90	JUN		
DEC			27...	1230	5.22
26...	0950	5.73	JUL		
JAN			31...	1305	7.28
30...	0940	5.24	AUG		
FEB			28...	1150	9.35
28...	1345	4.70			
MAR					
29...	1230	4.06			

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

LOCATION.--Lat 26°09'01", long 81°48'25", in NW¼NE¼ sec.4, T.50 S., R.25 E., Hydrologic Unit 03090204, on the north side of 4th Avenue, 300 ft east of 1st Street, in Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 71.5 ft, cased to 69 ft, open hole 69 to 71.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1952 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.94 ft NGVD, July 29, 1985; lowest measured, 0.03 ft NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0915	2.52	30...	0915	1.66
24...	1255	2.54	MAY		
NOV			23...	1025	2.26
28...	1450	2.37	JUN		
DEC			25...	0940	2.05
28...	1045	2.08	JUL		
JAN			30...	1055	2.44
31...	1015	1.53	AUG		
FEB			27...	1045	2.20
27...	0910	2.11			

COLLIER COUNTY

WELL NUMBER.--260908081411201. Local Number C 996.

LOCATION.--Lat 26°09'08", long 81°41'12", in NE¼NE¼ sec.3, T.50 S., R.26 E., Hydrologic Unit 03090204, 100 ft east of County Highway 951, 1.5 mi south of State Highway 84 and 7 mi east of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 23.5 ft, cased to 13.5 ft, screened 13.5 to 23.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.82 ft NGVD, July 29, 1985; lowest measured, 4.06 ft NGVD, May 22, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0915	8.25	29...	1300	4.88
25...	0940	7.85	MAY		
NOV			22...	1030	4.06
28...	0940	6.59	JUN		
DEC			27...	1305	6.55
26...	0920	6.69	AUG		
JAN			01...	0835	7.62
30...	0915	6.01	29...	0800	8.30
FEB					
27...	1505	5.62			

WELL NUMBER.--260912081434201. Local Number C 175.

LOCATION.--Lat 26°09'12", long 81°43'46", in SE¼SW¼ sec.32, T.49 S., R.26 E., Hydrologic Unit 03090204, 50 ft south of State Road 856, 2.5 mi west of State Road 951 and 4 mi east of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 123 ft, cased to 104 ft, open hole 104 to 123 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, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1979 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft NGVD, July 29, 1982; lowest measured, 1.35 ft below NGVD, Feb. 28, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0945	8.56	28...	1200	2.89
23...	1025	7.46	MAY		
NOV			22...	1020	2.73
28...	0930	5.73	JUN		
DEC			28...	1025	5.35
27...	1030	5.81	JUL		
JAN			31...	1240	7.84
30...	1010	5.29	AUG		
FEB			28...	1340	7.78
28...	1015	-1.35			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°09'15", long 81°38'59", in SW¼SW¼ sec.31, T.49 S., R.27 E., Hydrologic Unit 03090204, 50 ft south of State Highway 84, 0.5 mi east of mile marker 2 and 9 mi east of Naples. Owner: South Florida Water Management District.

AQUIFIER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 10 ft, open hole 10 to 40 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.11 ft NGVD, Aug. 1, 1985; lowest measured, 4.08 ft NGVD, May 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0920	8.59	29...	1250	4.90
27...	1105	7.93	MAY		
NOV			25...	1105	4.08
29...	0920	6.68	JUN		
DEC			27...	1300	6.14
26...	0930	6.62	AUG		
JAN			01...	1300	8.36
30...	0925	6.07	29...	1400	9.97
FEB					
28...	0825	5.63			

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

LOCATION.--Lat 26°09'15", long 81°38'59", in SW¼SW¼ sec.31, T.49 S., R.27 E., Hydrologic Unit 03090204, 50 ft south of State Highway 84, 0.5 mi east of mile marker 2 and 9 mi east of Naples. Owner: South Florida Water Management District.

AQUIFIER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.15 ft NGVD, Sept. 2, 1988; lowest measured, 4.08 ft NGVD, May 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0920	8.59	29...	1250	4.78
27...	1105	7.92	MAY		
NOV			25...	1105	4.08
29...	0920	6.55	AUG		
DEC			01...	1305	8.36
26...	0930	6.59	29...	1400	9.81
JAN			SEP		
30...	0925	5.96	27...	1310	8.99
FEB					
28...	0830	5.54			

COLLIER COUNTY

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

LOCATION.--Lat 26°09'19", long 81°46'05", in SE¼SE¼ sec.35, T.49 S., R.25 E., Hydrologic Unit 03090204, 250 ft west and 1100 ft north of Junction of SR 31 and SR 856, 1.5 mi east of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.83 ft NGVD, July 25, 1989; lowest measured, 1.96 ft NGVD, June 6, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0935	4.01	28...	1145	2.37
23...	1000	3.87	MAY		
NOV			22...	1015	2.75
28...	0940	3.12	JUN		
DEC			28...	1015	4.21
27...	1020	3.29	JUL		
JAN			31...	1230	3.87
30...	1000	2.74	AUG		
FEB			28...	1320	3.36
28...	1005	2.95			

WELL NUMBER.--260919081460502. Local Number C 1053.

LOCATION.--Lat 26°09'19", long 81°46'05", in SE¼SE¼ sec.35, T.49 S., R.25 E., Hydrologic Unit 03090204, 250 ft west and 1100 ft north of Junction of SR 31 and SR 856, 1.5 mi east of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 125 ft, cased to 82 ft, 43 ft open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.52 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.75 ft NGVD, July 25, 1989; lowest measured, 2.01 ft NGVD, Mar. 29, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0930	3.97	28...	1145	2.32
23...	1000	3.80	MAY		
NOV			22...	1015	2.70
28...	0940	3.08	JUN		
DEC			28...	1015	4.16
27...	1020	3.25	JUL		
JAN			31...	1230	3.82
30...	1005	2.69	AUG		
FEB			28...	1320	3.31
28...	1005	2.91			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--260925081475101. Local Number C 1062.

LOCATION.--Lat 26°09'25", long 81°47'51" in NW¼SW¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 24 ft, cased to 10 ft, 14 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.04 ft NGVD, Oct. 24, 1989; lowest measured, 4.31 ft NGVD, May 26, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0910	7.66	30...	0910	5.59
24...	1225	9.04	MAY		
NOV			23...	1020	5.97
28...	1445	6.67	JUN		
DEC			25...	0930	6.43
28...	1035	6.65	JUL		
JAN			30...	1040	7.90
31...	0950	6.23	AUG		
FEB			27...	1040	6.35
27...	0900	6.15			

WELL NUMBER.--260925081475201. Local Number C 472A.

LOCATION.--Lat 26°09'25", long 81°47'52" in NW¼SW¼ sec.34, T.49 S., R.25 E., Hydrologic Unit 03090204, south of South Golf Drive, 400 ft west of U.S. Highway 41 at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 70.2 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1973 to current year. Records of water levels prior to October 1983 are in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.00 ft NGVD, Aug. 29, 1989; lowest measured, 0.85 ft below NGVD, Jan. 29, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0915	3.70	30...	0910	2.59
24...	1240	4.51	MAY		
NOV			23...	1020	3.71
28...	1450	3.92	JUN		
DEC			26...	0935	2.63
28...	1040	3.40	JUL		
JAN			30...	1045	3.62
31...	0955	2.95	AUG		
FEB			27...	1040	2.99
27...	1005	3.03			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

85

COLLIER COUNTY

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

LOCATION.--Lat 26°09'41", long 81°32'43", in SW¼NE¼ 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 State Highway 84 and 15.75 mi east of Naples. Owner: South Florida Water Management District.

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.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.3 ft NGVD, Nov. 21, 1985; lowest measured, 32.7 ft NGVD, Aug. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0930	33.70	24...	1335	35.30
27...	1050	35.50	MAY		
NOV			25...	1055	36.20
28...	0935	35.10	JUN		
DEC			27...	1235	34.90
26...	0945	34.30	JUL		
JAN			31...	1320	36.80
30...	0935	35.60	AUG		
FEB			28...	1200	36.00
28...	0845	35.50	SEP		
MAR			27...	1450	35.60
29...	1240	35.40			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--260948081483301. Local Number C 524.

LOCATION.--Lat 26°09'43", long 81°48'33", in SE¼NW¼ sec.33, T.49 S., R.25 E., Hydrologic Unit 03090204, 5 ft north of Banyan Boulevard, 15 ft west of Gulf Shore Boulevard and 1.2 mi west of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 measurment with chalked tape.

DATUM.--Land-surface datum is 4.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.32 ft NGVD, June 27, 1983; lowest measured, 0.63 ft below NGVD, Apr. 20, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0920	0.87	09...	0935	1.10
24...	1305	1.93	23...	1020	1.19
NOV			MAY		
28...	1455	1.91	07...	1030	1.16
DEC			23...	1030	2.27
11...	1115	1.54	JUN		
28...	1050	1.02	25...	0845	0.90
JAN			JUL		
16...	1025	0.75	30...	1100	1.57
31...	1020	0.28	AUG		
FEB			27...	1050	0.75
12...	1040	0.72	SEP		
27...	0920	0.81	27...	1055	0.77
MAR					
12...	1030	1.17			
30...	0920	1.18			

COLLIER COUNTY

WELL NUMBER.--261003081475801. Local Number C 123.

LOCATION.--Lat 26°10'03", long 81°47'58" in SW¼SW¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, in church parking lot on the north side of Orchid Drive, 150 ft east of U.S. Highway 41 in Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 157 ft, cased to 96.6 ft, open hole 96.6 to 157 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing, 0.37 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1952 to current year. Records of water levels prior to October 1983 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft NGVD, Oct. 10, 1973; lowest measured, 5.12 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0910	2.03	23...	0935	1.06
24...	1215	2.75	MAY		
NOV			23...	1015	2.70
28...	1440	2.60	JUN		
DEC			25...	0925	0.77
28...	1030	2.44	JUL		
JAN			30...	1050	2.43
31...	1005	1.74	AUG		
FEB			27...	1035	1.26
27...	0855	2.97			
MAR					
30...	0905	1.49			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°10'16", long 81°48'42", in NW¼SW¼ 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 new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.39 ft NGVD, July 29, 1985; lowest measured, 0.47 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0925	1.89	12...	1050	2.15
24...	1345	2.84	30...	0945	2.16
NOV			APR		
28...	1500	2.87	09...	0955	2.00
DEC			23...	1035	2.09
11...	1125	2.50	MAY		
28...	1305	2.08	07...	1050	2.01
JAN			23...	1045	3.23
16...	1045	1.71	JUN		
31...	1035	1.29	25...	0950	1.66
FEB			JUL		
12...	1110	1.66	30...	1120	2.47
27...	0940	1.81	AUG		
			27...	1105	1.74

COLLIER COUNTY

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

LOCATION.--Lat 26°10'18", long 80°53'02", in SW¼SE¼ sec.36, T.49 S., R.34 E., Hydrologic Unit 03090204, on the south side of State Road 84, 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. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 9 ft, cased to 8 ft, gravel-packed 8 to 9 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 12.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf, 2.88 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.56	10.85	10.54	10.63	10.13	9.87	9.11	8.47	10.44	11.44	12.24	12.50
10	12.67	10.76	10.50	10.50	9.99	9.85	9.00	8.34	10.78	11.20	12.50	12.00
15	11.73	10.60	10.56	10.34	10.00	9.70	8.88	8.30	10.41	12.01	12.56	11.60
20	11.43	10.63	10.48	10.24	9.13	9.53	8.75	8.30	10.86	12.29	12.66	11.38
25	11.24	10.51	10.83	10.37	9.63	9.35	8.62	8.52	10.68	11.69	12.39	12.49
EOM	10.99	10.73	10.62	10.21	9.77	9.16	8.52	8.87	10.46	11.10	12.38	12.10
MEAN	11.59	10.71	10.60	10.39	9.75	9.60	8.86	8.44	10.53	11.62	12.29	12.03
MAX	12.67	10.96	10.87	10.63	10.20	9.88	9.17	8.87	11.05	12.48	12.88	12.70
MIN	10.99	10.43	10.43	10.20	8.81	9.16	8.52	8.26	9.20	10.41	10.96	11.37

WTR YR 1990 MEAN 10.54 MAX 12.88 AUG 18 MIN 8.26 MAY 14 AND OTHERS

WELL NUMBER.--261023081470701. Local Number C 161.

LOCATION.--Lat 26°10'23", long 81°47'07", in NE¼SE¼ sec.27, T. 49 S., R.25 E., Hydrologic Unit 03090204, 160 ft south of Golden Gate Parkway, 1.0 mi northeast of Naples Post Office and 1.1 mi west of North Naples Road. Owner: Tibbitts Grove.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 165 ft, cased to 140 ft, open hole 140 to 165 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1971 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.85 ft NGVD, July 29, 1985; lowest measured, 1.86 ft below NGVD, May 13, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0930	2.22	28...	1100	0.68
23...	0945	2.19	MAY		
NOV			22...	1005	1.60
28...	0930	1.29	JUN		
DEC			28...	1010	2.39
27...	1010	1.30	JUL		
JAN			31...	1225	2.03
30...	0955	0.88	AUG		
FEB			28...	1300	1.73
28...	0955	1.07			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--261024081463801. Local Number C 1051.

LOCATION.--Lat 26°10'24", long 81°46'38", in NE¼SW¼ sec.26, T.49 S., R.25 E., Hydrologic Unit 03090204, 20 ft north of Golden Gate Parkway and 0.6 mi west of Intersection of Golden Gate Parkway (CR 951) and Airport Road (CR 31), 3.2 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft 0.020 screen.

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 casing, 3.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.52 ft NGVD, June 28, 1989; lowest measured, 1.70 ft NGVD, May 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			FEB		
02...	0925	3.44	28...	0935	2.79
23...	0935	3.61	MAR		
NOV			28...	1055	2.20
28...	0925	2.76	MAY		
DEC			22...	1000	3.20
27...	1010	3.01			
JAN					
30...	0945	2.48			

WELL NUMBER.--261024081480102. Local Number C 409.

LOCATION.--Lat 26°10'24", long 81°48'01", in NE¼SE¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, on west side of U.S. Highway 41, 150 ft south of Mooring Line Drive at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 1.25 in., depth 16 ft, cased to 14 ft, open hole 14 to 16 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf, 3.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by pumping of nearby wells.

PERIOD OF RECORD.--1971 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.71 ft NGVD, June 25, 1986; lowest measured, 1.67 ft below NGVD, Oct. 17, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0845	8.33	23...	0915	7.19
24...	1145	8.33	MAY		
NOV			23...	1005	7.36
28...	1435	7.58	JUN		
DEC			25...	0910	7.76
28...	1025	7.69	JUL		
JAN			30...	1030	8.34
31...	0940	7.30	AUG		
FEB			27...	0955	7.71
27...	0845	7.59	SEP		
MAR			27...	1110	8.06
30...	0900	6.99			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

91

COLLIER COUNTY

WELL NUMBER.--261024081480101. Local Number C 409A.

LOCATION.--Lat 26°10'25", long 81°48'01", in NE¼SE¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, on west side of U.S. Highway 41, 150 ft South of Mooring Line Drive at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 73 ft, cased to 63 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 12.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf 3.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by pumping of nearby wells. Water levels estimated Oct. 1-24, 1990 water year.

PERIOD OF RECORD.--October 1973 to September 1984 (monthly). October 1984 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.63 ft NGVD, July 27, 1984; lowest measured, 5.30 ft below NGVD, May 7, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.14	3.31	3.19	3.73	3.01	3.62	2.94	2.52	3.26	3.57	2.35	3.12
10	4.36	2.89	4.18	3.63	3.30	3.43	3.42	3.04	5.02	2.97	1.86	2.76
15	4.02	3.37	3.73	3.48	3.15	3.01	3.40	2.60	3.99	3.99	2.82	2.84
20	4.14	2.76	3.67	3.32	3.22	2.78	2.64	2.68	3.45	3.52	2.49	3.09
25	3.68	3.76	3.95	3.38	3.87	2.32	2.84	4.25	2.87	3.80	2.41	2.74
EOM	3.88	3.45	3.74	3.19	3.52	2.61	3.03	3.78	4.02	2.47	2.45	3.82
MEAN	3.56	3.44	3.70	3.50	3.34	3.01	2.98	3.19	3.73	3.49	2.49	3.06
MAX	4.50	3.83	4.19	4.03	3.92	3.82	3.47	4.36	5.02	4.29	3.23	3.82
MIN	1.30	2.76	3.17	3.06	2.87	2.04	2.34	2.42	2.68	2.47	1.86	2.42
WTR YR 1990	MEAN	3.29	MAX	5.02	JUN 10	MIN	1.30	OCT 1				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--261048081484801. Local Number C 527.

LOCATION.--Lat 26°10'48", long 81°48'48", in NW¼NW¼ sec.28, T.49 S., R.25 E., Hydrologic Unit 03090204, 18 ft south of Harbour Drive, 25 ft east of Gulf Shore Boulevard 1.9 mi northwest of the New Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 71.5 ft, cased to 63 ft, open hole 63 to 71.5 ft.

INSTRUMENTATION.--Monthly measurements 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 also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.48 ft NGVD, July 29, 1985; lowest measured, 0.22 ft NGVD, June 2, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0930	1.92	09...	1010	1.98
24...	1355	2.86	23...	1045	2.36
NOV			MAY		
28...	1510	2.87	07...	1055	1.29
DEC			23...	1055	3.31
11...	1200	2.59	JUN		
28...	1115	2.10	25...	1000	1.95
JAN			JUL		
16...	1100	1.72	30...	1130	2.73
31...	1055	1.32	AUG		
FEB			27...	1105	1.95
12...	1125	1.43	SEP		
27...	0955	1.49	27...	1045	2.38
MAR					
12...	1105	2.19			
30...	1000	2.08			

COLLIER COUNTY

WELL NUMBER.--261103081474902. Local Number C 1000.

LOCATION.--Lat 26°11'03", long 81°47'49", in SW¼SW¼ sec.22, T.49 S., R.25 E., Hydrologic Unit 03090204, 21 ft north of Ridge Street, 0.25 mi east of U.S. Highway 41 and 2.8 mi north of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, observation, water-table well, diameter 4 in., depth 24 ft, cased to 14 ft, screen 14 to 24 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.06 ft below land-surface datum (revision).

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.10 ft NGVD, July 29, 1985; lowest measured, 4.53 ft NGVD, Apr. 25, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1000	9.18	30...	1035	7.17
24...	1500	9.20	MAY		
NOV			23...	0950	8.29
28...	1530	8.07	JUN		
DEC			25...	1020	8.25
28...	1145	8.09	JUL		
JAN			30...	1225	8.84
31...	1135	7.62	AUG		
FEB			27...	1130	7.93
27...	1035	7.96			

WELL NUMBER.--261114081482301. Local Number C 474A.

LOCATION.--Lat 26°11'14", long 81°48'23", in NW¼SE¼ sec.21, T.49 S., R.25 E., Hydrologic Unit 03090204, 50 ft south of Anchor Rode Drive, 0.3 mi west of U.S. Highway 41 and 1.1 mi west of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 72 ft, cased to 63 ft, open hole 63 to 72 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.19 ft NGVD, Oct. 10, 1973; lowest measured, 1.73 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0945	0.88	30...	1025	1.29
24...	1420	2.16	MAY		
NOV			23...	1110	2.18
28...	1520	2.04	JUN		
DEC			25...	1010	0.80
28...	1130	1.42	JUL		
JAN			31...	1015	1.55
31...	1120	0.69	AUG		
FEB			27...	1115	1.35
27...	1025	0.77			

COLLIER COUNTY

WELL NUMBER.--261114081482302. Local Number C 474.

LOCATION.--Lat 26°11'14", long 81°48'23", in NW¼SE¼ sec.21, T.49 S., R.25 E., Hydrologic Unit 03090204, 50 ft south of Anchor Rode Drive, 0.3 mi west of U.S. Highway 41 and 1.1 mi west of new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 1.25 in., depth 12.6 ft, cased to 11.1 ft, screened 11.1 to 12.6 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1971 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.08 ft NGVD, July 29, 1985; lowest measured, 3.23 ft NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0945	4.65	30...	1020	4.04
24...	1420	4.80	MAY		
NOV			23...	1110	5.11
28...	1520	4.46	JUN		
DEC			26...	1010	4.75
28...	1130	4.72	JUL		
JAN			30...	1155	4.94
31...	1120	4.33	AUG		
FEB			27...	1115	4.42
27...	1020	4.85			

WELL NUMBER.--261117081480101. Local Number C 491.

LOCATION.--Lat 26°11'16", long 81°48'03", in NE¼SE¼ sec.21, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft south of Anchor Rode Drive, 200 ft west of U.S. Highway 41 and 1 mi west of Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 12.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1971 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.23 ft NGVD, Oct. 29, 1986; lowest measured, 3.51 ft below NGVD, Jan. 25, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	0950	4.74	23...	1115	-1.76
24...	1445	4.54	JUN		
NOV			25...	1015	0.95
28...	1525	-0.34	JUL		
DEC			30...	1220	3.14
28...	1135	2.73	AUG		
JAN			27...	1125	2.95
31...	1130	3.04			
MAR					
30...	1030	2.78			

COLLIER COUNTY

WELL NUMBER.--261116081480303. Local Number C 1001.

LOCATION.--Lat 26°11'16", long 81°48'03", in NE¼SE¼ sec.21, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft south of Anchor Rode Drive, 200 ft west of U.S. Highway 41 and 1 mi west of Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, observation, water-table well, diameter 4 in., depth 24 ft, cased to 14 ft, screened 14 to 24 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.81 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.28 ft NGVD, July 29, 1985; lowest measured, 8.26 ft NGVD, May 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0950	11.34	30...	1030	9.71
24...	1440	11.51	MAY		
NOV			23...	1115	10.18
28...	1525	10.59	JUN		
DEC			25...	1015	10.29
28...	1135	10.71	JUL		
JAN			30...	1220	10.92
31...	1125	10.15	AUG		
FEB			27...	1120	10.61
27...	1025	9.88			

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

LOCATION.--Lat 26°11'24", long 81°47'31", in SW¼NE¼ 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 courthouse in East Naples. Owner: U.S. Geological Survey.

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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf, 0.02 ft below land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated, June 28 - July 30, Aug. 27 - Sept. 30, 1990 water year.

PERIOD OF RECORD.--January 1965 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.57 ft NGVD, July 23, 1985; lowest, 3.00 ft NGVD, May 24, 1974.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.07	6.87	6.59	6.76	6.42	6.60	6.25	5.95	6.63	7.82	7.18	7.05
10	7.85	6.82	7.18	6.70	6.36	6.45	6.58	6.08	8.40	7.72	6.93	7.20
15	7.99	6.81	6.87	6.57	6.33	6.25	6.43	6.04	7.43	7.60	7.27	7.19
20	7.65	6.70	6.80	6.54	6.22	6.21	6.20	5.84	7.16	7.48	7.16	7.17
25	7.24	6.66	6.97	6.49	6.87	6.13	6.08	7.34	6.94	7.39	7.21	7.12
EOM	7.00	6.73	6.82	6.43	6.71	6.45	6.04	6.82	7.93	7.32	7.07	6.80
MEAN	7.45	6.78	6.88	6.60	6.45	6.33	6.29	6.36	7.41	7.59	7.14	7.09
MAX	8.32	6.96	7.34	6.84	7.02	6.66	6.62	7.37	8.48	7.91	7.49	7.28
MIN	7.00	6.66	6.58	6.43	6.21	6.11	6.02	5.84	6.63	7.32	6.85	6.80
WTR YR 1990	MEAN	6.87	MAX	8.48	JUN 9	MIN	5.84	MAY 20				

COLLIER COUNTY

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

LOCATION.--Lat 26°11'24", long 81°47'33", in SE¼NW¼ 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 East Naples. Owner: City of Naples.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 75 ft, cased to 70 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.38 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by pumping of municipal well field.

PERIOD OF RECORD.--January 1965 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.52 ft NGVD, Aug. 20, 1966; lowest, 7.22 ft below NGVD, Sept. 4, 1982.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.08	4.56	4.53	4.89	4.26	4.72	3.79	2.18	3.34	5.18	2.83	5.00
10	5.61	4.60	5.26	4.76	4.35	4.49	4.22	3.40	6.19	4.58	2.67	5.08
15	5.04	4.18	4.71	4.73	4.37	3.89	4.04	3.59	5.42	5.96	3.19	4.43
20	6.14	3.98	4.79	4.46	4.36	3.30	3.75	3.48	4.04	4.49	2.36	4.38
25	5.51	4.58	5.33	4.64	5.10	3.48	3.50	4.91	2.80	4.05	2.57	4.60
EOM	4.99	4.77	5.04	4.48	4.76	3.55	3.44	4.44	5.75	2.83	2.92	5.26
MEAN	5.36	4.48	4.90	4.71	4.51	4.00	3.66	3.79	4.63	4.94	2.84	4.57
MAX	6.21	4.91	5.36	5.17	5.10	4.82	4.23	5.16	6.19	6.25	3.66	5.31
MIN	4.08	3.98	4.20	4.24	4.18	2.91	1.98	2.05	2.80	2.83	2.28	1.98
WTR YR 1990	MEAN	4.37	MAX	6.25	JUL 12 AND OTHERS	MIN	1.98	APR 27 AND OTHERS				

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

LOCATION.--Lat 26°11'27", long 81°46'10", in SE¼NE¼ sec.23, T.49 S., R.25 E., Hydrologic Unit 03090204, 500 ft west SR 31 on southside of Baily Lane and 1.4 mi south of Pine Ridge Road (SR 896), 4.4 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.15 ft NGVD, June 28, 1989; lowest measured, 5.44 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0905	7.04	28...	1045	5.86
23...	0925	7.86	MAY		
NOV			22...	0955	7.63
28...	0920	6.72	JUN		
DEC			28...	0955	8.49
27...	1005	7.46	JUL		
JAN			31...	1215	7.22
30...	0940	7.05	AUG		
FEB			28...	1220	8.33
28...	0930	7.27			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

97

COLLIER COUNTY

WELL NUMBER.--261146081460701. Local Number C 430.

LOCATION.--Lat 26°11'35", long 81°46'07", in NE¼NE¼ sec.23, T.49 S., R.25 E., Hydrologic Unit 03090204, 300 ft west of State Road 31 (Airport Road) and 1.1 mi south of Pine Ridge Road near Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 65 ft, cased to 63 ft, open hole 63 to 65 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated, Feb. 28 - Mar. 29, 1990 water year.

PERIOD OF RECORD.--March 1965 to September 1984 (monthly). October 1985 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.15 ft NGVD, July 24, 1985; lowest, 1.57 ft NGVD, May 2, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.60	6.19	3.91	5.38	4.51	4.46	3.21	2.69	4.83	6.31	5.89	6.86
10	6.21	4.79	5.32	4.91	4.16	4.19	3.42	2.82	7.27	7.00	5.08	6.33
15	6.92	4.37	4.90	4.73	4.29	3.85	3.09	3.17	5.92	6.99	5.85	5.95
20	6.45	4.54	5.11	4.80	3.99	3.57	3.08	2.90	5.50	6.61	5.80	6.45
25	5.57	4.49	5.52	4.66	5.20	3.35	2.74	5.51	5.15	6.62	5.90	5.83
EOM	5.17	5.02	5.27	4.31	4.71	3.55	2.94	5.15	6.94	5.81	5.31	6.22
MEAN	5.98	4.85	4.93	4.85	4.39	3.85	3.09	3.73	5.85	6.57	5.62	6.27
MAX	6.92	7.98	5.53	5.44	5.22	4.66	3.68	5.67	7.27	7.42	5.97	6.86
MIN	5.10	4.37	3.85	3.94	3.60	3.06	2.56	2.51	4.83	5.81	5.03	5.62
WTR YR 1990	MEAN	5.00	MAX	7.98	NOV 4	MIN	2.51	MAY 8				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°11'55", long 81°48'30", in SE¼SW¼ 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 new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 also sampled for water quality.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, well flowing above 4.39 ft NGVD, July 29, 1985; lowest measured, 1.91 ft below NGVD, Oct. 14, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0935	1.81	09...	1025	1.40
24...	1410	2.75	23...	1055	1.41
NOV			MAY		
28...	1515	2.56	07...	1110	1.31
DEC			JUN		
28...	1125	2.15	25...	1005	1.55
JAN			JUL		
16...	1115	1.61	30...	1145	2.42
31...	1110	1.48	AUG		
FEB			27...	1110	1.85
12...	1140	1.69	SEP		
27...	1010	1.62	27...	1035	1.34
MAR					
12...	1120	1.94			
30...	1010	1.80			

COLLIER COUNTY

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

LOCATION.--Lat 26°11'56", long 81°47'58", in SW¼SW¼ sec.15, T.49 S., R.25 E., Hydrologic Unit 03090204, 18 ft south of Morning Side Drive, 300 ft east of U.S. Highway 41 at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 7.99 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.79 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1973 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.05 ft NGVD, July 29, 1985; lowest measured, 3.91 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1005	5.28	23...	1155	3.49
24...	1515	5.76	MAY		
NOV			23...	1120	4.55
28...	1545	4.89	JUN		
DEC			25...	1025	4.07
28...	1150	5.49	JUL		
JAN			30...	1240	1.32
31...	1140	4.40	SEP		
FEB			27...	1030	4.95
27...	1040	4.82			
MAR					
30...	1100	3.92			

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

LOCATION.--Lat 26°12'00", long 81°20'49", in SE¼SE¼ sec.18, T.49 S., R.30 E., Hydrologic Unit 03090204, 30 ft south of Fakahatchee Conservancy Club Road, west of State Highway 29, 3.4 mi north of State Highway 84 and 15.5 mi south of Immokalee. Owner: South Florida Water Management District.

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.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.74 ft NGVD, Nov. 25, 1987; lowest measured, 8.16 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1230	12.63	29...	0930	11.26
26...	1105	12.65	APR		
NOV			24...	0900	9.86
29...	1330	12.63	MAY		
DEC			23...	1330	9.74
26...	1400	12.67	JUN		
JAN			27...	0855	11.33
30...	1325	12.87	AUG		
FEB			28...	1105	12.82
27...	0830	12.82			

COLLIER COUNTY

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

LOCATION.--Lat 26°12'11", long 81°44'13", in NE&NE¼ sec.18, T.49 S., R.26 E., Hydrologic Unit 03090204, 200 ft west of I-75 and 50 ft south of Pine Ridge Road (SR 896), 6 mi northeast of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.87 ft NGVD, Aug. 29, 1988; lowest measured, 4.48 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	1305	7.02	23...	1430	4.48
24...	0835	7.16	MAY		
NOV			23...	0820	5.10
28...	1310	5.88	JUN		
DEC			25...	0805	7.12
28...	0855	5.68	JUL		
JAN			30...	0820	7.59
31...	0830	5.33	AUG		
FEB			27...	0840	7.81
27...	0720	5.48			
MAR					
30...	0740	4.75			

WELL NUMBER.--261233081480201. Local Number C 506A.

LOCATION.--Lat 26°12'33", long 81°48'02" in NW&NW¼ sec.15, T.49 S., R.25 E., Hydrologic Unit 03090204, 60 ft east of U.S. Highway 41, 0.15 mi south of Pine Ridge Road at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 70.7 ft, cased to 62.5 ft, open hole 62.5 to 70.7 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 16.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing, 3.95 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1973 to September 1984 (monthly). October 1984 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.00 ft NGVD, Oct. 13, 1987; lowest measured, 1.30 ft below NGVD, May 13, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.83	5.71	5.36	6.10	5.54	5.65	4.80	4.19	5.03	5.95	5.80	7.09
10	6.74	5.72	6.42	6.00	5.36	5.02	4.98	4.35	6.63	6.47	5.44	6.65
15	7.62	5.81	5.93	5.42	5.36	5.01	4.66	4.59	5.95	6.91	6.11	6.48
20	7.33	5.47	6.04	5.62	5.43	4.80	4.53	4.33	5.68	6.92	6.09	6.76
25	6.43	5.66	6.26	5.73	5.91	4.54	4.40	5.93	4.98	6.79	6.29	6.48
EOM	5.73	5.76	6.20	5.65	5.76	4.93	4.43	5.45	6.30	5.86	6.05	7.07
MEAN	6.61	5.62	5.99	5.79	5.53	4.96	4.58	4.82	5.81	6.50	5.91	6.70
MAX	7.62	5.95	6.42	6.20	5.91	5.82	5.04	5.93	6.63	7.30	6.46	7.16
MIN	5.73	5.04	5.34	5.42	4.93	3.89	4.10	4.03	4.98	5.55	5.30	6.21

WTR YR 1990 MEAN 5.74 MAX 7.62 OCT 15 MIN 3.89 MAR 28

COLLIER COUNTY

WELL NUMBER.--261233081480202. Local Number C 1026.

LOCATION.--Lat 26°12'33", long 81°48'02", in NW¼NW¼ sec.26, T.49 S., R.25 E., Hydrologic Unit 03090204, 60 ft east of US 41, and 0.15 mi south intersection of Pine Ridge Rd and US 41. Owner: U.S. Geological Survey.

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 28 ft with 10 ft of No. 20 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.56 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.28 ft NGVD, Aug. 25, Sept. 23, 1986; lowest measured, 11.47 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1015	14.60	30...	1110	12.53
24...	1530	14.75	MAY		
NOV			23...	1135	12.75
28...	1605	13.76	JUN		
DEC			25...	1045	13.22
28...	1210	13.69	JUL		
JAN			30...	1255	14.62
31...	1150	13.13	AUG		
FEB			27...	1205	14.12
27...	1045	13.20			

WELL NUMBER.--261241081465401. Local Number C 1002.

LOCATION.--Lat 26°12'41", long 81°46'54", in SW¼SW¼ sec.11, T.49 S., R.25 E., Hydrologic Unit 03090204, 20 ft west of Shirley Street, 100 ft north of Pine Road and 3.9 mi northeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 54 ft, cased to 45 ft, open hole 45 to 54 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.18 ft NGVD, July 29, 1985; lowest measured, 0.22 ft below NGVD, Apr. 22, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	1315	5.33	30...	0750	2.22
24...	0910	5.38	MAY		
NOV			23...	0830	4.55
28...	1315	3.52	JUN		
DEC			25...	0815	4.64
28...	0900	4.55	JUL		
JAN			30...	0825	5.72
31...	0840	3.08	AUG		
FEB			27...	0850	5.34
27...	0730	4.18			

COLLIER COUNTY

WELL NUMBER.--261246081460101. Local Number C 1086.

LOCATION.--Lat 26°12'46", long 81°46'01", in SW¼SW¼ sec.12, T.49 S., R.25 E., Hydrologic Unit 03090204, 30 ft north of YMCA Road, 650 ft east of intersection of YMCA Road and County Road 31 (Airport Road), 600 ft north of Pine Ridge Road and 5.2 mi northeast of Naples. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 91 ft, cased to 66 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in PVC casing, 0.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.24 ft NGVD, July 28, 1989; lowest measured, 0.46 ft NGVD, Apr. 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
23...	0850	5.05	25...	0945	0.46
NOV			MAY		
28...	0850	2.37	22...	0925	4.09
DEC			JUN		
27...	0935	4.43	28...	0905	5.91
JAN			JUL		
30...	0920	2.96	31...	1155	5.89
FEB			AUG		
28...	0910	2.82	28...	1205	5.93
MAR					
28...	1005	1.13			

WELL NUMBER.--261246081460201. Local Number C 1085.

LOCATION.--Lat 26°12'46", long 81°46'02", in SW¼SW¼ sec.12, T.49 S., R.25 E., Hydrologic Unit 03090204, 30 ft north of YMCA Road, 600 ft east of intersection of YMCA Road and County Road 31 (Airport Road), 600 ft north of Pine Ridge Road and 5.2 mi northeast of Naples. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, well, diameter 2 in., depth 60 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in PVC casing, 0.19 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft NGVD, June 28, 1990; lowest measured, 5.43 ft NGVD, Apr. 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
23...	1150	7.65	25...	0950	5.43
NOV			MAY		
28...	0850	6.84	22...	0925	7.01
DEC			JUN		
27...	0935	7.44	28...	0905	8.00
JAN			JUL		
30...	0920	7.19	31...	1155	7.61
FEB			AUG		
28...	0905	7.32	28...	1200	7.57
MAR					
28...	1005	6.00			

COLLIER COUNTY

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

LOCATION.--Lat 26°13'11", long 81°48'01", in SW¼NW¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM--Land-surface datum is 14.88 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.62 ft NGVD, Oct. 30, 1986; lowest measured, 11.02 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1020	13.16	23...	1140	12.58
24...	1625	13.43	JUN		
NOV			25...	1050	12.05
28...	1610	12.81	JUL		
DEC			30...	1300	12.99
28...	1215	12.95	AUG		
JAN			27...	1210	12.77
31...	1200	12.45	SEP		
FEB			27...	1000	13.44
27...	1100	12.58			
MAR					
30...	1115	11.83			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°13'13", long 81°48'03", in SW¼NW¼ 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 new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1971 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.08 ft NGVD, Nov. 28, 1983; lowest measured, 1.58 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1020	5.38	23...	1145	5.53
24...	1635	6.50	JUN		
NOV			25...	1050	5.06
28...	1615	4.98	JUL		
DEC			30...	1315	6.49
28...	1220	6.04	AUG		
JAN			27...	1215	5.85
31...	1205	4.06			
FEB					
27...	1110	5.57			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

105

COLLIER COUNTY

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

LOCATION.--Lat 26°13'17", long 81°48'05", in SE¼NE¼ sec.9, T.49 S., R.25 E., Hydrologic Unit 03090204, on west side of U.S. Highway 41, 0.75 mi north of Pine Ridge Road and 7 mi north of Naples. Owner: Pelican Bay Improvement District.

AQUIFER.--Lower Hawthorn Aquifer of the Oligocene Age, Geologic Unit 123 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 16.61 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. plug, 1.07 ft below land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1979 to current year. Records of water levels prior to October 1981 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft NGVD, Sept. 27, 1982; lowest measured, 24.7 ft NGVD, Apr. 22, 1985 and June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1030	26.90	30...	1130	26.90
27...	1200	27.10	MAY		
NOV			23...	1150	25.50
28...	1625	26.50	JUN		
DEC			25...	1100	26.90
28...	1230	26.60	JUL		
JAN			30...	1335	26.70
31...	1210	26.80	AUG		
FEB			27...	1230	26.90
27...	1120	27.30			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°13'30", long 81°47'33", in NW¼SE¼ sec.10, T.49 S., R.25 E., Hydrologic Unit 03090204, 15 ft west of Ridge Road, 300 ft north of North Street at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 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.

PERIOD OF RECORD.--May 1970 to October 1986 (daily). November 1986 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1035	3.34	12...	1135	4.36
27...	1205	3.92	30...	1135	1.70
NOV			APR		
28...	1635	3.13	09...	1035	3.55
DEC			23...	1315	2.67
11...	1205	3.88	MAY		
28...	1235	5.50	07...	1125	1.32
JAN			23...	1200	4.76
16...	1145	2.11	JUN		
31...	1225	2.04	25...	1110	4.80
FEB			JUL		
12...	1200	4.83	30...	1340	4.81
27...	1130	4.84	AUG		
			27...	1230	5.27

COLLIER COUNTY

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

LOCATION.--Lat 26°13'43", long 81°38'50", in SE&SW¼ sec.7, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of Golden Gate Boulevard and 19th Street SW, 2.5 mi east of County Highway 951 and 10.5 mi northeast of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, observation, water-table well, diameter 6 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 13.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.62 ft NGVD, Aug. 1, 1985; lowest measured, 4.57 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1420	9.12	25...	1210	4.71
25...	1115	8.50	JUN		
NOV			27...	0800	6.17
28...	1445	7.27	JUL		
JAN			31...	1420	8.43
30...	1500	6.65	AUG		
FEB			28...	1300	9.27
28...	1355	6.17			
MAR					
29...	1435	5.64			

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

LOCATION.--Lat 26°13'43", long 81°38'50", in SE&SW¼ sec.7, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of Golden Gate Boulevard and 19th Street SW, 2.5 mi east of County Highway 951 and 10.5 mi northeast of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 13.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.05 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.22 ft NGVD, Aug. 29, 1985; lowest measured, 1.80 ft NGVD, Mar. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1415	9.98	29...	1435	1.80
25...	1100	6.42	MAY		
NOV			25...	1210	3.14
28...	1450	3.82	JUN		
DEC			26...	0805	4.84
28...	1515	4.37	AUG		
JAN			28...	1255	8.38
30...	1455	3.62			
FEB					
28...	1345	3.32			

COLLIER COUNTY

WELL NUMBER.--261346081480201. Local Number C 515.

LOCATION.--Lat 26°13'46", long 81°48'02", in NW¼SW¼ sec.3, T.49 S., R.25 E., Hydrologic Unit 03090204, 20 ft north of Cajeput Drive, 80 ft east of Trail Boulevard at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Driven, observation, artesian well, diameter 2 in., depth 71 ft, cased to 63 ft, open hole 63 to 71 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1973 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.24 ft NGVD, July 28, 1985; lowest measured, 0.69 ft NGVD, Mar. 4, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1025	5.47	30...	1125	3.73
27...	1135	5.54	MAY		
NOV			23...	1145	5.46
28...	1615	5.14	JUN		
DEC			25...	1105	5.27
28...	1225	6.03	JUL		
JAN			30...	1320	6.66
31...	1205	4.30	AUG		
FEB			27...	1215	6.05
27...	1125	5.47			

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

LOCATION.--Lat 26°13'47", long 81°35'12", in NW¼NW¼ sec.11, T.49 S., R.27 E., Hydrologic Unit 03090204, at southwest corner of 10th Street SE and Golden Gate Boulevard, 2.3 mi west of Everglades Boulevard and 2.6 mi east of Naples. Owner: South Florida Water Management District.

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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 12.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 4.34 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.20 ft NGVD, Sept. 1, 1985; lowest, 4.46 ft NGVD, May 20-24, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.12	7.61	6.87	6.68	6.23	5.88	5.30	4.67	4.99	6.18	8.60	9.75
10	8.45	7.44	6.87	6.60	6.16	5.78	5.14	4.62	5.65	6.50	9.46	9.39
15	8.77	7.25	6.85	6.51	6.09	5.70	5.06	4.51	5.93	8.18	10.16	9.14
20	8.44	7.15	6.78	6.43	6.04	5.62	4.92	4.46	5.95	8.46	10.51	9.41
25	8.08	7.06	6.79	6.38	5.96	5.53	4.84	4.47	5.93	8.82	9.98	9.35
EOM	7.84	6.98	6.76	6.28	5.91	5.35	4.76	4.63	6.04	8.70	9.79	9.06
MEAN	8.29	7.30	6.84	6.51	6.10	5.67	5.05	4.57	5.65	7.69	9.64	9.40
MAX	8.79	7.77	6.97	6.74	6.27	5.89	5.34	4.75	6.04	8.92	10.51	9.83
MIN	7.84	6.98	6.76	6.28	5.91	5.35	4.76	4.46	4.78	6.08	8.60	9.06
WTR YR 1990	MEAN	6.90	MAX	10.51	AUG 20 AND OTHERS	MIN	4.46	MAY 20 AND OTHERS				

COLLIER COUNTY

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

LOCATION.--Lat 26°13'47", long 81°35'12", in NW¼NW¼ sec.11, T.49 S., R.27 E., Hydrologic Unit 03090204, at south-west corner of 10th Street SE and Golden Gate Boulevard, 2.3 mi west of Everglades Boulevard and 2.6 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 170 ft, cased to 120 ft, open hole 120 to 170 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

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.

REMARKS.--Well also sampled for water quality.

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, 2.10 ft NGVD, Apr. 29, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.38	6.98	4.47	4.18	4.05	3.61	2.60	2.30	3.90	5.38	7.40	8.75
10	7.32	6.42	5.31	4.49	4.08	3.23	2.65	2.70	4.81	5.89	7.76	8.23
15	7.80	6.29	5.19	4.14	3.55	2.75	2.13	3.00	4.90	6.96	8.69	7.85
20	7.76	5.95	4.61	4.21	3.53	3.03	2.59	2.47	4.68	7.43	9.17	8.00
25	8.00	5.72	4.73	3.84	4.27	2.42	2.21	3.32	4.59	8.12	9.10	7.95
EOM	7.41	5.05	4.36	3.95	3.74	2.44	2.66	3.27	5.17	7.65	8.71	7.62
MEAN	7.64	6.23	4.86	4.15	4.01	2.96	2.44	2.84	4.58	6.78	8.34	8.21
MAX	8.17	7.69	5.35	4.86	4.93	3.94	3.13	3.60	5.25	8.20	9.38	9.14
MIN	7.09	5.03	4.20	3.75	3.41	2.29	2.10	2.23	3.43	5.24	7.07	7.42

WTR YR 1990 MEAN 5.26 MAX 9.38 AUG 21 MIN 2.10 APR 29

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

LOCATION.--Lat 26°13'47", long 81°35'17", in NW¼NW¼ sec.11, T.49 S., R.27 E., Hydrologic Unit 03090204, 30 ft east of canal, 50 ft south of Golden Gate Boulevard, 2.4 mi west of Everglades Parkway and 2.5 mi east of Naples. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of 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.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 12.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of gate valve at land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.6 ft NGVD, Nov. 25, 1987, Jan. 28, 1988; lowest measured 34.0 ft NGVD, Nov. 28, 1989, May 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1400	34.80	30...	1350	35.60
25...	1030	34.40	MAY		
NOV			25...	1205	34.00
28...	1420	34.00	JUN		
DEC			27...	0810	35.40
28...	1500	35.30	JUL		
JAN			31...	1410	35.40
30...	1450	35.00	AUG		
FEB			28...	1250	35.60
28...	1345	35.00			

COLLIER COUNTY

WELL NUMBER.--261401081461401. Local Number C 458.

LOCATION.--Lat 26°14'01", long 81°46'14", in NE¼SE¼ sec.3, T.49 S., R.26 E., Hydrologic Unit 03090204, 0.50 mi east of the intersection of Garica Road and Gordonia Road at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 63 ft cased to 63 ft open end.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Well replaces C-459 which was destroyed.

PERIOD OF RECORD.--October 1971 to October 1983, semi-annual. June 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.53 ft NGVD, Oct. 22, 1971; lowest measured, 3.14 ft below NGVD, May 12, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	1325	4.58	23...	0815	1.02
24...	1015	5.51	MAY		
NOV			23...	0855	3.16
28...	1345	3.85	JUN		
DEC			25...	0835	4.51
28...	0925	4.32	JUL		
JAN			30...	0910	6.08
31...	0905	3.26	AUG		
FEB			27...	0930	5.55
27...	0815	3.54			
MAR					
30...	0815	2.12			

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

LOCATION.--Lat 26°14'05", long 81°47'05" in NW¼SW¼ sec.2, T.49 S., R.26 E., Hydrologic Unit 03090204, 0.35 mi east of the intersection of Carica Road and Gordonia Road at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 66 ft, cased to 64 ft, open hole 64 to 66 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.37 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. casing, 3.07 ft above land-surface datum (correction). Prior to October 1, 1989 land-surface datum was considered to be 10.39 ft above NGVD. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality. Water levels estimated June 27 - Sept. 30, 1989 water year.

PERIOD OF RECORD.--August 1973 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD prior to October 1, 1989 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.54 ft NGVD, Sept. 12, 1985; lowest, 1.32 ft below NGVD, May 1, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.63	5.27	3.64	4.14	4.05	3.40	2.18	2.02	4.74	5.89	6.82	7.74
10	6.15	4.91	4.87	4.41	3.54	3.01	1.97	2.16	5.72	6.04	6.43	7.29
15	7.12	4.43	3.96	3.85	4.18	2.74	1.86	2.67	5.71	6.80	6.94	6.59
20	6.98	4.21	4.35	4.00	3.36	2.77	2.06	2.81	5.56	7.22	7.03	7.60
25	6.02	4.36	4.30	4.02	4.35	2.35	1.57	4.50	5.26	7.30	7.07	6.96
EOM	5.51	4.78	4.77	3.55	3.36	2.90	2.30	4.72	5.68	7.10	6.96	6.93
MEAN	6.21	4.63	4.28	4.09	3.80	2.77	2.00	3.04	5.36	6.69	6.87	7.27
MAX	7.12	5.39	4.95	4.81	4.35	3.45	2.92	4.72	5.79	7.39	7.21	7.74
MIN	5.48	3.90	3.54	3.55	3.17	1.81	1.50	1.46	4.68	5.73	6.39	6.57
WTR YR 1990	MEAN	4.76	MAX	7.74	SEP 5	MIN	1.46	MAY 3				

COLLIER COUNTY

WELL NUMBER.--261417081305402. Local Number C 598.

LOCATION.--Lat 26°14'16", long 81°30'54", in NE¼SE¼ sec.4, T.49 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Desoto Boulevard and NE 4th Avenue, 5.8 mi north of State Highway 84 and 18.6 mi east of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 36.5 ft, cased to 32.5 ft, screened 32.5 to 36.5 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 13.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.18 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replacement well for C 502. Water levels estimated Nov. 28 - Dec. 28, June 10-26, 1990 water year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.48 ft NGVD, Sept. 2, 1983; lowest, 5.78 ft NGVD, June 25, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.30	11.63	10.92	10.35	9.73	8.61	7.22	5.98	6.62	8.91	11.58	13.08
10	13.17	11.36	10.88	10.27	9.52	8.39	6.88	5.86	7.41	10.65	11.53	12.28
15	12.98	11.29	10.84	10.12	9.24	8.13	6.65	6.00	7.60	11.87	12.07	12.15
20	12.98	11.02	10.73	9.99	9.20	7.86	6.40	6.07	7.80	12.23	12.07	11.76
25	12.29	10.80	10.69	9.93	8.90	7.73	6.18	6.12	8.45	12.08	12.43	11.78
EOC	11.82	10.98	10.50	9.75	8.84	7.40	6.05	6.36	8.77	11.78	13.04	11.41
MEAN	12.59	11.22	10.78	10.11	9.32	8.09	6.65	6.06	7.61	11.15	12.08	12.25
MAX	13.18	11.76	10.99	10.47	9.75	8.83	7.36	6.36	8.77	12.25	13.04	13.43
MIN	11.82	10.70	10.50	9.75	8.82	7.40	6.05	5.86	6.37	8.81	11.42	11.41
WTR YR 1990	MEAN	9.83	MAX	13.43	SEP 1	MIN	5.86	MAY 10				

WELL NUMBER.--261435081472501. Local Number C 321.

LOCATION.--Lat 26°14'35", long 81°47'25", in SW¼SE¼ sec.34, T.48 S., R.25 E., Hydrologic Unit 03090204, 1 ft south of concrete power pole, 25 ft east of Hickory Road, 900 ft south of Carica Road at Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 1.25 in., depth 20.3 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.56 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--1971 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.62 ft NGVD, Oct. 22, 1971; lowest measured, 2.63 ft NGVD, Mar. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1040	6.75	23...	1330	3.42
27...	1255	6.67	MAY		
NOV			23...	1205	3.83
28...	1640	5.22	JUN		
DEC			25...	1130	5.05
28...	1240	5.24	JUL		
JAN			30...	1350	6.75
31...	1235	4.74	AUG		
FEB			27...	1245	6.66
27...	1140	2.72			
MAR					
30...	1150	3.87			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--261436081480301. Local Number C 1003.

LOCATION.--Lat 26°14'36", long 81°48'03", in SW¼SW¼ sec.34, T.48 S., R.25 E., Hydrologic Unit 03090204, at the southeast corner of Sand Pine and Trail Boulevard, 300 ft east of U.S. Highway 41 and 5.5 mi north of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 61 ft, cased to 51 ft, open hole 51 to 61 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.03 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.14 ft NGVD, July 29, 1985; lowest measured, 1.73 ft NGVD, Apr. 24, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1050	5.16	30...	1155	2.88
27...	1310	4.85	MAY		
NOV			23...	1215	4.91
28...	1650	3.74	JUN		
DEC			25...	1135	5.21
28...	1250	4.79	JUL		
JAN			30...	1405	7.06
31...	1245	3.42	AUG		
FEB			27...	1250	6.47
27...	1150	3.63			

COLLIER COUNTY

WELL NUMBER.--261457081460901. Local Number C 1056.

LOCATION.--Lat 26°14'57", long 81°46'09", in NE¼SE¼ sec.2, T.49 S., R.25 E., Hydrologic Unit 03090204, 50 ft west on northside of Orange Blossom Drive from SR 31, 7.5 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

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 8 ft, 17 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.86 ft NGVD, Sept. 28, 1987; lowest measured, 7.56 ft NGVD, May 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0850	8.80	28...	1000	7.96
23...	0845	8.74	MAY		
NOV			22...	0920	9.04
28...	0845	8.48	JUN		
DEC			28...	0855	8.85
27...	0930	8.72	JUL		
JAN			31...	1135	8.86
30...	0915	8.46			
FEB					
28...	0855	8.49			

WELL NUMBER.--261459081480401. Local Number C 1060.

LOCATION.--Lat 26°14'59", long 81°48'04", in NW¼SW¼ sec.34, T.48 S., R.25 E., Hydrologic Unit 03090204, 150 ft south of Hickory Road and 200 ft east of U.S. Highway 41, 8.4 mi northwest of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft, cased to 10 ft, 15 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.41 ft NGVD, Sept. 29, 1987; lowest measured, 4.81 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1045	8.21	30...	1150	5.06
27...	1305	8.29	MAY		
NOV			23...	1210	5.68
28...	1645	6.85	JUN		
DEC			25...	1130	6.61
28...	1245	6.56	JUL		
JAN			30...	1400	8.20
31...	1240	5.87	AUG		
FEB			27...	1245	8.14
27...	1145	5.82			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.261508081484902. Local Number C 999.

LOCATION.--Lat 26°15'08", long 81°48'49", in SW¼NW¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, 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, 1.96 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.07 ft NGVD, July 29, 1985; lowest measured, 1.56 ft NGVD, July 28, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1055	4.92	30...	1200	3.50
27...	1320	5.31	MAY		
NOV			23...	1220	4.01
28...	1700	4.28	JUN		
DEC			25...	1140	4.44
28...	1250	4.45	JUL		
JAN			30...	1410	5.33
31...	1255	3.98	AUG		
FEB			27...	1255	5.27
27...	1155	3.98			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

115

COLLIER COUNTY

WELL NUMBER.--261524081480401. Local Number C 424.

LOCATION.--Lat 26°15'24", long 81°48'04", in NW¼NW¼ sec.34, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft east of the intersection of 94th Avenue and U.S. Highway 41, 6 mi north of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 132 ft, cased to 126 ft, open hole 126 to 132 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.78 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1965 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.78 ft NGVD, Oct. 22, 1971; lowest measured, 4.46 ft below NGVD, Apr. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1100	2.51	09...	1050	0.08
27...	1330	-0.03	23...	1410	0.66
NOV			MAY		
28...	1215	-1.54	07...	1135	1.32
28...	1705	-2.29	23...	1225	3.09
DEC			JUN		
28...	1255	-0.56	25...	1145	3.19
JAN			JUL		
16...	1215	-1.84	31...	0900	4.08
FEB			AUG		
12...	1225	0.82	27...	1300	4.95
27...	1200	-1.27	SEP		
MAR			27...	0930	0.07
12...	1155	-1.50			
30...	1210	-0.42			

COLLIER COUNTY

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

LOCATION.--Lat 26°15'30", long 81°41'20", in SE¼SE¼ sec.27, T.48 S., R.26 E., Hydrologic Unit 03090204, 75 ft east of County Highway 951, 1.0 mi south of County Highway 846 and 9.5 mi northeast of Naples. Owner: U.S. Geological Survey.

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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 2.52 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replaces well C 383.

PERIOD OF RECORD.--March 1985 to September 1985 (monthly). October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.72 ft NGVD, Aug. 20, 1986; lowest measured, 5.53 ft NGVD, June 18, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.10	9.31	8.33	8.05	7.60	7.45	6.65	6.05	6.40	7.53	9.70	11.17
10	10.23	9.16	8.40	7.98	7.52	7.27	6.51	5.98	7.21	7.59	9.72	10.80
15	10.46	8.96	8.22	7.87	7.43	7.13	6.40	5.95	7.45	8.08	11.57	10.55
20	10.17	8.74	8.17	7.79	7.32	7.03	6.28	5.89	7.42	9.04	11.66	10.84
25	9.85	8.61	8.18	7.74	7.66	6.86	6.21	5.98	7.36	10.02	11.14	10.47
EOM	9.56	8.57	8.13	7.62	7.63	6.74	6.11	6.09	7.38	9.75	11.24	10.27
MEAN	10.09	8.95	8.26	7.87	7.52	7.12	6.41	5.99	7.12	8.50	10.90	10.77
MAX	10.47	9.51	8.49	8.10	7.68	7.59	6.77	6.10	7.45	10.02	12.33	11.25
MIN	9.56	8.54	8.13	7.62	7.31	6.72	6.11	5.89	6.15	7.37	9.68	10.26

WTR YR 1990 MEAN 8.30 MAX 12.33 AUG 16 MIN 5.89 MAY 20 AND OTHERS

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

LOCATION.--Lat 26°15'37", long 81°46'12", in SE¼SE¼ sec.26, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft south of Huntington Drive and 100 ft west of State Highway 31, 9.1 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

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.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.49 ft NGVD, Aug. 29, 1988; lowest measured, 4.82 ft NGVD, Nov. 29, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0845	6.69	28...	0955	6.13
23...	0825	6.59	MAY		
NOV			22...	0910	6.93
28...	0840	6.43	JUN		
DEC			28...	0845	6.79
27...	0930	6.80	JUL		
JAN			31...	1125	6.95
30...	0905	6.61	AUG		
FEB			28...	1130	6.98
28...	0850	6.66			

COLLIER COUNTY

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

LOCATION.--Lat 26°15'37", long 81°46'12", in SE¼SE¼ sec.26, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft south of Huntington Drive and 100 ft west of State Highway 31, 9.1 mi north of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 80 ft, cased to 62 ft, 18 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.21 ft NGVD, July 27, 1987; lowest measured, 5.78 ft below NGVD, Mar. 29, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0845	1.80	28...	0955	-4.64
23...	0830	0.26	MAY		
NOV			22...	0915	2.95
28...	0840	-4.50	JUN		
DEC			28...	0845	3.56
27...	0920	1.78	JUL		
JAN			31...	1125	5.99
30...	0905	-2.42	AUG		
FEB			28...	1140	5.87
28...	0850	-3.97			

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

LOCATION.--Lat 26°16'04", long 81°48'09", in SW¼NE¼ sec.28, T.48 S., R.25 E., Hydrologic Unit 03090204, 20 ft behind Fire House on 106th Avenue and 300 ft west of US 41, 9.7 mi northwest of Collier County Government Center. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 25 ft., cased to 10 ft., 15 ft of 0.020 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.75 ft NGVD, Oct. 31, 1986; lowest measured, 4.41 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1105	6.28	23...	1230	5.60
27...	1350	6.48	JUN		
NOV			25...	1150	5.77
28...	1710	5.72	JUL		
DEC			31...	1000	6.92
28...	1310	6.32	AUG		
JAN			27...	1315	6.73
31...	1310	5.51	SEP		
FEB			27...	0925	7.08
27...	1215	5.87			
MAR					
30...	1225	5.09			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°16'20", long 81°45'02", in SE¼SW¼ sec.19, T.48 S., R.25 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 0.75 mi west of I-75 and 8.5 mi northeast of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 15.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.09 ft NGVD, July 29, 1985; lowest measured, 5.72 ft below NGVD, Mar. 28, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0815	2.70	12...	0905	-4.06
23...	0715	1.02	28...	0915	-5.72
NOV			APR		
28...	0800	-4.40	09...	0830	-3.40
DEC			MAY		
11...	0930	-0.21	07...	0925	-0.95
27...	0850	0.36	22...	0820	0.18
JAN			JUN		
16...	0845	-1.97	28...	0820	2.31
30...	0830	-2.91	JUL		
FEB			31...	1110	7.90
12...	0850	1.05	AUG		
28...	0815	-3.51	28...	1045	6.87
			SEP		
			27...	0855	3.53

COLLIER COUNTY

WELL NUMBER.--261620081450701. Local Number C 384.

LOCATION.--Lat 26°16'20", long 81°45'05", in NW¼NE¼ sec.30, T.48 S., R.26 E., Hydrologic Unit 03090204, 30 ft south of State Road 846, 3.1 mi from U.S. Highway 41, and 10 mi northeast of courthouse in East Naples. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 5.75 in., depth 57.7 ft, cased to 9.7 ft, open hole 9.7 to 57.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.38 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1963 to September 1984 (daily). October 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.92 ft NGVD, Sept. 3, 1983; lowest measured, 4.80 ft NGVD, May 22, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0820	7.54	28...	0920	5.01
23...	0750	7.28	MAY		
NOV			22...	0830	4.80
28...	0815	6.32	JUN		
DEC			28...	0830	5.75
27...	0855	5.80	JUL		
JAN			31...	1115	6.80
30...	0840	5.53	AUG		
FEB			28...	1100	8.04
28...	0825	5.41			

COLLIER COUNTY

WELL NUMBER.--261620081464401. Local Number C 1004.

LOCATION.--Lat 26°16'20", long 81°46'44", in SE&SW& sec.23, T.48 S., R.25 E., Hydrologic Unit 03090204, 15 ft south of Palm River Boulevard, 15 ft north of Cocohatchee River, 150 ft north of County Highway 846 and 7.8 mi north of Naples. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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. Prior to June 28, 1990 digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Replaces well C 353. Water levels estimated Oct. 28 - Nov. 28, Apr. 25 - May 21, Sept. 8-17, 1990 water year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.76 ft NGVD, July 27, 1985; lowest, 4.58 ft below NGVD, Apr. 30, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	.91	-0.01	-3.51	-0.94	.37	-0.89	-2.15	.92	3.58	4.36	4.78	6.37
10	4.26	-0.62	2.19	-0.71	-1.22	-2.14	-1.73	1.46	5.09	4.48	4.28	5.80
15	4.99	-0.14	-1.54	-1.32	-1.87	-2.38	-2.55	1.92	4.11	5.58	5.76	4.87
20	3.49	-0.38	.55	-0.69	-0.91	-2.05	-0.78	2.40	3.49	6.03	6.44	3.75
25	1.20	.22	-0.22	-0.65	2.58	-3.02	-0.10	3.80	3.02	5.67	5.33	2.63
EOM	.22	-0.02	.00	-1.57	-1.68	-0.24	.37	3.11	4.06	5.44	5.32	4.99
MEAN	2.41	-0.41	-0.56	-0.87	-0.36	-2.10	-1.13	2.15	3.83	5.28	5.23	4.61
MAX	5.64	.22	2.27	.24	2.62	-0.24	.37	4.15	5.43	6.25	6.50	6.37
MIN	.22	-2.27	-3.53	-1.86	-2.01	-3.46	-2.84	.54	2.96	3.92	4.00	1.31

WTR YR 1990 MEAN 1.52 MAX 6.50 AUG 21 MIN -3.53 DEC 6

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

LOCATION.--Lat 26°16'21", long 81°41'23", in NE&NE& 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 new Naples Post Office. Owner: U.S. Geological Survey.

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 13.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.41 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1959 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.84 ft NGVD, Aug. 26, 1981; lowest measured, 0.10 ft NGVD, Mar. 27, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0840	7.10	27...	1040	0.10
25...	0845	6.78	MAY		
NOV			25...	1145	3.87
28...	0905	0.94	JUN		
DEC			27...	1335	5.15
26...	0830	2.17	AUG		
JAN			01...	0750	7.47
30...	0840	2.26	28...	0750	9.47
FEB			SEP		
27...	1440	2.14	27...	1100	10.01

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

121

COLLIER COUNTY

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

LOCATION.--Lat 26°16'35", long 81°36'13", in NW¼NE¼ sec.27, T.48 S., R.27 E., Hydrologic Unit 03090204, 20 ft south of State Road 846, 0.25 mi west of Randall Blvd. and 12 mi northeast of the new Naples Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1959 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.56 ft NGVD, Sept. 27, 1984; lowest measured, 2.94 ft NGVD, Mar. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1000	9.39	24...	0915	5.12
23...	1045	8.41	JUN		
NOV			27...	1015	7.27
28...	1030	4.74	JUL		
DEC			31...	0930	9.28
28...	1010	6.04	AUG		
JAN			28...	0805	10.32
30...	1000	4.99	SEP		
FEB			27...	0840	8.97
28...	0945	4.75			
MAR					
29...	1000	2.94			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

WELL NUMBER.--261721081351303. Local Number C 971.

LOCATION.--Lat 26°17'21", long 81°35'13", in SW¼NW¼ sec.25, T.48 S., R.26 E., Hydrologic Unit 03090204, 1,000 ft south of County Highway 858, 0.5 mi east of County Highway 846 and 16 mi northeast of Naples Post Office. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 150 ft, cased to 100 ft, open hole 100 to 150.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.76 ft NGVD, Aug. 26, 1986; lowest measured, 2.40 ft NGVD, Mar. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1145	11.77	29...	1010	2.40
23...	1410	9.11	MAY		
NOV			24...	0925	8.72
28...	1230	3.84	JUN		
DEC			27...	1005	11.78
28...	1150	7.36	JUL		
JAN			31...	0940	12.36
30...	1220	5.86	AUG		
FEB			28...	0810	13.64
28...	1115	5.09			

COLLIER COUNTY

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

LOCATION.--Lat 26°17'36", long 81°28'55", in NE¼NE¼ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Well Road and County Highway 858, 7 mi east of County Highway 846 and 9.4 mi south of Immokalee. Owner: South Florida Water Management District.

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, 3.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.86 ft NGVD, Nov. 25, 1987; lowest measured, 14.04 ft NGVD, May 28, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1240	18.10	24...	1220	17.60
23...	1430	18.10	JUN		
NOV			27...	0945	17.94
28...	1245	17.85	JUL		
DEC			31...	1140	18.27
28...	1255	17.90	AUG		
JAN			28...	1030	18.12
30...	1250	17.90	SEP		
FEB			27...	1300	17.84
28...	1135	18.05			
MAR					
29...	1210	17.46			

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

LOCATION.--Lat 26°17'36", long 81°28'55", in NE¼NE¼ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Well Road and County Highway 858, 7 mi east of County Highway 846 and 9.4 mi south of Immokalee. Owner: South Florida Water Management District.

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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 20.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 4.14 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year. Well affected by nearby pumpage.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.98 ft NGVD, July 11 - 13, 1986; lowest, 3.96 ft below NGVD, Apr. 3, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.20	9.09	4.41	6.37	8.26	6.17	.72	4.39	14.25	15.49	15.49	15.20
10	14.15	7.94	10.93	7.23	5.21	1.57	-1.37	6.50	15.21	15.95	15.40	12.58
15	12.07	6.12	6.48	4.75	5.23	.08	-2.68	9.92	15.10	16.52	15.64	13.20
20	13.15	4.95	6.05	3.98	3.58	4.15	-3.34	11.37	15.01	16.46	15.88	12.28
25	9.94	5.64	3.09	6.61	9.13	-1.14	1.26	12.30	15.23	16.08	15.37	11.22
EOM	9.86	10.49	6.84	7.56	4.52	3.28	3.71	13.57	15.46	15.73	14.13	12.76
MEAN	12.22	7.39	7.29	5.73	6.45	1.75	-0.26	9.28	14.93	16.06	15.42	12.83
MAX	15.13	10.49	10.93	8.59	9.95	6.84	5.31	13.57	15.46	16.53	15.88	15.25
MIN	9.86	4.13	3.09	3.70	3.35	-1.75	-3.37	3.72	13.62	15.46	14.13	9.40
WTR YR 1990	MEAN	9.12	MAX	16.53	JUL 16	AND OTHERS	MIN	-3.37	APR 19			

COLLIER COUNTY

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

LOCATION.--Lat 26°17'36", long 81°28'55", in NE¼NE¼ sec.23, T.48 S., R.28 E., Hydrologic Unit 03090204, at southeast corner of Oil Well Road and County Highway 858, 7 mi east of County Highway 846 and 9.4 mi south of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 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 casing, 4.58 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.30 ft NGVD, June 24, 1986; lowest measured, 7.11 ft below NGVD, Mar. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1230	14.93	29...	1210	-7.11
23...	1445	8.18	MAY		
NOV			24...	1220	12.19
28...	1250	5.53	JUN		
DEC			27...	0945	15.92
28...	1300	7.78	JUL		
JAN			31...	1140	15.60
30...	1255	1.53	AUG		
FEB			28...	1025	14.86
28...	1130	0.78			

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

LOCATION.--Lat 26°17'40", long 81°23'54", in NW¼NW¼ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of County Highway 858, 3.4 mi west of State Highway 29, and 4.0 mi northwest of Sunniland. Owner: U.S. Geological Survey.

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 18.80 ft above National Geodetic Vertical Datum of 1929. Prior to October 1982 land-surface datum was considered to be 17.46 ft above NGVD. Measuring point: Top of PVC casing, 3.57 ft above land-surface datum. See PERIOD OF RECORD..

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1980 to current year. The figures of water level as elevation, in feet NGVD, prior to October 1982 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.2 ft NGVD, Nov. 12, 1980; lowest measured, 31.0 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1245	31.80	27...	1100	32.00
24...	1410	31.50	MAY		
NOV			23...	1315	31.20
29...	1415	33.70	JUN		
DEC			26...	1205	32.20
26...	1450	32.90	JUL		
JAN			30...	1425	32.60
30...	1410	31.70	AUG		
FEB			27...	1435	32.80
26...	1455	31.80			

COLLIER COUNTY

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

LOCATION.--Lat 26°17'40", long 81°23'54", in NW¼NW¼ sec.23, T. 48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of County Highway 858, 3.4 mi west of State Highway 29, and 4.5 mi northwest of Sunniland. Owner: U.S. Geological Survey.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1981 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.83 ft NGVD, Aug. 29, 1983; lowest measured, 0.38 ft below NGVD, Mar. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1245	11.15	23...	1530	1.09
24...	1410	9.78	MAY		
NOV			23...	1320	11.82
29...	1415	9.59	JUN		
DEC			26...	1210	15.60
26...	1450	7.12	JUL		
JAN			30...	1425	16.70
30...	1410	5.65	AUG		
FEB			27...	1435	16.56
28...	1455	5.16			
MAR					
27...	1105	0.15			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°17'40", long 81°23'54", in NW¼NW¼ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 20 ft south of County Highway 858, 3.4 mi west of State Highway 29, 4.0 mi northwest of Sunniland.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft, cased to 100 ft, 60 ft of 0.020 screen.

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, 4.68 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.28 ft NGVD, July 28, 1987; lowest measured, 0.55 ft NGVD, Mar. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1305	12.82	23...	1535	1.94
24...	1305	11.36	MAY		
NOV			23...	1320	11.61
29...	1420	9.40	JUN		
DEC			26...	1215	15.64
26...	1455	7.25	JUL		
JAN			30...	1425	16.86
30...	1410	6.45	AUG		
FEB			27...	1435	16.81
26...	1455	6.01			
MAR					
27...	1105	1.44			

COLLIER COUNTY

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

LOCATION.--Lat 26°17'41", long 81°23'54", in NW¼NW¼ sec.23, T.48 S., R.29 E., Hydrologic Unit 03090204, 25 ft south of County Highway 858, 3.4 mi west of State Highway 29 and 4.0 mi northwest of Sunniland. Owner: U.S. Geological Survey.

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.--Monthly measurement with chalked tape.

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 PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1972 to September 1984 (daily). October 1984 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, between October 1979 and September 1982 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.21 ft NGVD, present datum, Aug. 25, 1981; lowest, 12.95 ft NGVD, May 2, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1240	16.72	23...	1525	13.13
24...	1410	16.62	MAY		
NOV			23...	1315	15.25
29...	1415	15.76	JUN		
DEC			26...	1210	16.89
26...	1445	15.39	JUL		
JAN			30...	1420	17.36
30...	1405	15.37	AUG		
FEB			27...	1430	17.63
26...	1450	15.00	SEP		
MAR			27...	1235	16.81
27...	1100	13.88			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°18'02", long 81°35'48", in SE¼NE¼ sec.15, T.48 S., R.27 E., Hydrologic Unit 03090204, 50 ft south and 200 ft west of the intersection of the third paved road north of the intersection of County Highway 858 and County Highway 846, 14 mi southwest of the Immokalee Post Office. Owner: U.S. Geological Survey.

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.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1981 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.81 ft NGVD, June 29, 1982; lowest measured, 1.95 ft NGVD, Mar. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1015	11.99	24...	0930	9.08
23...	1110	9.10	JUN		
NOV			27...	1020	12.12
28...	1050	3.28	JUL		
DEC			31...	0940	12.80
28...	1030	7.46	AUG		
JAN			28...	0815	13.92
30...	1015	5.63	SEP		
FEB			27...	0845	11.86
28...	1000	4.73			
MAR					
29...	1015	1.95			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

129

COLLIER COUNTY

WELL NUMBER.--261805081473301. Local Number C 1082.

LOCATION.--Lat 26°18'05", long 81°47'39", in SW¼SW¼ sec.10, T.48 S., R.25 E., Hydrologic Unit 03090204, 10 ft north of Sun Century Road, 0.3 mi east of Old US 41 and 2.5 mi south of Bonita Springs. Owner: U.S. Geological Survey.

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 10 ft, 10 ft of 0.020 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.83 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.27 ft NGVD, Nov. 11, 1987; lowest measured, 6.73 ft NGVD, May 7, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1115	8.57	30...	1235	7.07
27...	1405	8.85	APR		
NOV			09...	1110	6.98
28...	1715	8.04	MAY		
DEC			07...	1150	6.73
28...	1320	7.81	23...	1250	6.84
JAN			JUN		
16...	1235	7.68	25...	1150	8.29
31...	1325	7.51	JUL		
FEB			31...	0930	9.94
12...	1240	7.43	AUG		
27...	1220	7.32	27...	1320	10.67

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°18'05", long 81°47'39", in SW¼SW¼ sec.10, T.48 S., R.25 E., Hydrologic Unit 03090204, 10 ft north of Sun Century Road, 0.3 mi east of Old US 41 and 2.5 mi south of Bonita Springs. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 74 ft, cased to 60 ft, 14 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.83 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.85 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.34 ft NGVD, July 10, 1989; lowest measured, 4.27 ft below NGVD, Apr. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1115	1.97	30...	1235	-2.65
27...	1405	0.73	MAY		
NOV			07...	1145	-0.27
28...	1715	-2.87	23...	1250	1.20
DEC			JUN		
11...	1230	-0.83	25...	1200	1.36
28...	1320	0.21	JUL		
JAN			31...	0935	4.41
16...	1235	-2.05	AUG		
31...	1320	-2.65	27...	1320	4.16
FEB			SEP		
12...	1240	-0.54	27...	1035	1.32
27...	1225	-1.19			

COLLIER COUNTY

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

LOCATION.--Lat 26°18'23", long 81°17'19", in SE¼NE¼ sec.14, T.48 S., R.30 E., Hydrologic Unit 03090204, 25 ft south of State Highway 840, 3.2 mi east of State Highway 29 on State Highway 840, 11.0 mi southeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 35 ft, cased to 20 ft, 15 ft of 0.02 screen.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 19.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.69 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.59 ft NGVD, Nov. 6, 1987; lowest, 6.83 ft NGVD, Apr. 12, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.13	10.35	10.23	10.74	11.49	10.80	9.78	9.69	14.10	14.80	15.51	15.61
10	14.54	10.31	13.87	10.69	10.50	10.42	10.99	12.32	14.92	15.35	15.57	12.68
15	11.60	10.87	9.90	10.58	10.46	9.97	9.41	13.56	14.32	16.14	15.92	13.50
20	14.05	11.26	11.21	10.14	11.53	10.35	10.20	13.13	13.94	15.75	14.22	14.54
25	11.10	10.01	12.33	11.50	13.96	9.70	12.66	13.34	14.40	15.77	16.37	11.82
ECM	10.69	13.73	10.67	13.06	11.24	11.91	12.30	14.09	14.71	14.93	15.77	14.40
MEAN	12.74	11.02	11.30	10.86	11.51	10.43	10.47	12.48	14.33	15.40	15.37	13.89
MAX	15.04	13.73	13.87	13.06	13.97	12.33	12.66	14.09	14.92	16.14	16.37	16.15
MIN	10.69	10.01	9.90	10.14	10.24	9.55	9.00	9.68	13.88	14.66	13.66	11.34
WTR YR 1990	MEAN	12.49	MAX	16.37	AUG 25	MIN	9.00	APR 22				

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

LOCATION.--Lat 26°18'23", Long 81°17'19", in SE¼NE¼ sec.14, T.48 S., R.30 E., Hydrologic Unit 03090204, 25 ft south of State Highway 840, 3.2 mi east of State Highway 29 on State Highway 840, 11.0 mi southeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 260 ft, cased to 140 ft, screened from 140 ft to 220 ft with 0.020 screen.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 19.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.74 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Aug. 19-27, Sept. 6-27, 1990 water year.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.41 ft NGVD, Nov. 27, 1987; lowest, 7.46 ft NGVD, Apr. 13, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.79	12.56	11.44	11.65	11.52	12.09	9.96	9.82	14.42	15.54	15.19	16.07
10	15.96	12.23	12.85	11.61	11.06	10.95	9.65	10.36	15.15	15.81	15.89	15.03
15	15.40	11.58	11.57	11.34	11.39	10.53	9.13	12.88	15.16	16.62	16.30	14.02
20	15.02	11.72	11.07	11.01	11.07	10.13	8.75	13.12	14.50	16.63	16.04	13.55
25	13.95	11.42	11.46	11.55	13.09	9.63	10.20	13.01	14.81	16.56	16.44	12.87
ECM	13.17	12.39	11.48	11.48	12.45	9.55	10.94	14.17	15.27	15.87	15.65	13.58
MEAN	14.91	12.00	11.60	11.42	11.59	10.63	9.61	12.10	14.79	16.15	15.90	14.34
MAX	16.39	13.12	12.85	11.74	13.17	12.29	10.94	14.17	15.31	16.67	16.61	16.62
MIN	13.17	11.08	10.97	11.01	10.94	9.35	8.53	9.82	14.22	15.32	14.58	12.62
WTR YR 1990	MEAN	12.93	MAX	16.67	JUL 16 AND OTHERS	MIN	8.53	APR 22				

COLLIER COUNTY

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

LOCATION.--Lat 26°21'21", long 81°35'59", in NW¼SE¼ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3 Avenue South, 0.25 mi west of County Highway 846 and 12 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, observation, water-table well, diameter 6 in., depth 40 ft, cased to 15 ft, open hole 15 to 40 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, 3.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.18 ft NGVD, Nov. 25, 1987; lowest measured, 14.04 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1125	16.69	24...	0950	14.04
23...	1330	16.21	JUN		
NOV			27...	1030	16.73
28...	1210	15.16	JUL		
DEC			31...	0950	18.26
28...	1135	15.68	AUG		
JAN			28...	0825	18.26
30...	1205	15.08			
MAR					
29...	1040	14.48			

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

LOCATION.--Lat 26°21'21", long 81°35'59", in SE¼SW¼ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3 Avenue South, 0.25 mi west of County Highway 846 and 12 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 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 2 in. gate valve, 5.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.0 ft NGVD, Oct. 23, Dec. 23, 1985; lowest measured, 19.27 ft NGVD, Feb. 22, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1130	33.30	24...	0950	23.82
23...	1345	32.50	JUN		
NOV			27...	1035	29.20
28...	1215	33.20	JUL		
DEC			30...	0955	31.10
28...	1145	30.30	AUG		
JAN			28...	0830	31.40
30...	1215	30.80	SEP		
FEB			27...	0900	32.00
28...	1100	30.50			
MAR					
29...	1035	30.20			

COLLIER COUNTY

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

LOCATION.--Lat 26°21'21", long 81°35'59", in NW¼SE¼ sec.27, T.47 S., R.27 E., Hydrologic Unit 03090204, 300 ft south of C 3 Avenue South, 0.25 mi west of County Highway 846 and 12 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in..

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, 3.24 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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 measured, 6.93 ft NGVD, Mar. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1120	14.96	29...	1040	6.93
23...	1310	12.78	MAY		
NOV			24...	0950	10.92
28...	1200	9.57	JUN		
DEC			27...	1025	13.90
28...	1130	12.10	JUL		
JAN			31...	0950	15.14
30...	1200	9.92	AUG		
FEB			28...	0825	15.74
28...	1050	9.51			

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

LOCATION.--Lat 26°21'37", long 81°20'43", in NE¼SW¼ sec.29, T.47 S., R.30 E., Hydrologic Unit 03090204, 150 ft north of Motorola Road, 200 ft west of State Highway 29, 5.7 mi south of State Highway 29A and 6.5 mi south of Immokalee. Owner: South Florida Water Management District.

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 21.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.33 ft NGVD, June 24, 1986; lowest measured, 15.84 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1255	19.92	23...	1210	16.90
24...	1435	19.75	MAY		
NOV			23...	1105	16.90
30...	1210	18.94	JUN		
DEC			26...	1155	17.28
29...	1050	18.69	JUL		
FEB			30...	1400	17.95
01...	1210	18.48	AUG		
27...	0820	18.26	27...	1415	18.70
MAR					
29...	0910	17.60			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°21'37", long 81°20'43", in NE¼SW¼ sec.29, T.47 S., R.30 E., Hydrologic Unit 03090204, 150 ft north of Motorola Road, 200 ft west of State Highway 29, 5.7 mi south of State Highway 29A and 6.5 mi south of Immokalee. Owner: South Florida Water Management District.

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 21.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.60 ft NGVD, Aug. 26, 1986; lowest measured, 9.83 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1255	20.29	23...	1205	9.83
24...	1435	20.25	MAY		
NOV			23...	1105	14.05
30...	1205	14.59	JUN		
DEC			26...	1155	16.58
29...	1050	13.53	JUL		
FEB			30...	1400	19.25
01...	1210	13.93	AUG		
27...	0815	11.99	27...	1420	19.29
MAR			SEP		
29...	0910	11.23	27...	1540	15.89

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

LOCATION.--Lat 26°21'58", long 81°28'34", in SE¼SW¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 2.8 mi east of Oil Well Road and 4.5 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, observation, water-table well, diameter 6 in., depth 60 ft, cased to 40 ft, open hole 40 to 60 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.24 ft NGVD, Aug. 31, 1988; lowest measured, 9.51 ft NGVD, Apr. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1020	13.79	29...	1125	11.60
23...	1130	13.00	MAY		
NOV			24...	1140	11.67
28...	1100	12.64	JUN		
DEC			27...	1125	12.96
28...	1045	13.39	JUL		
JAN			31...	1030	13.37
30...	1040	13.19	AUG		
FEB			28...	0920	12.40
28...	1015	12.81			

COLLIER COUNTY

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

LOCATION.--Lat 26°21'58", long 81°28'34", in SE¼SW¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 2.8 mi east of Oil Well Road and 4.5 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Mid-hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 520 ft, cased to 480 ft, open hole 480 to 520 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. reducer, 1.36 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.8 ft NGVD, Nov. 25, 1987; lowest measured, 25.30 ft NGVD, Apr. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1025	29.20	29...	1130	27.90
23...	1135	29.00	MAY		
NOV			24...	1140	27.00
28...	1110	27.90	JUN		
DEC			27...	1130	27.40
28...	1055	27.30	JUL		
JAN			31...	1035	27.30
30...	1035	27.55	AUG		
FEB			28...	0925	27.50
28...	1020	27.70			

WELL NUMBER.--262158081283403. Local Number C 982.

LOCATION.--Lat 26°21'58", long 81°28'34", in SE¼SW¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 2.8 mi east of Oil Well Road and 4.5 mi southwest of Immokalee. Owner: South Florida Water Management District.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 160 ft, cased to 150 ft, open hole 150 to 160 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.91 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.94 ft NGVD, Aug. 26, 1986; lowest measured, 6.91 ft below NGVD, Mar. 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	1040	9.62	24...	1135	7.09
23...	1145	6.82	JUN		
NOV			27...	1125	11.78
28...	1120	-3.28	JUL		
DEC			31...	1040	12.90
28...	1055	5.27	AUG		
JAN			28...	0940	11.08
30...	1050	-2.56	SEP		
FEB			27...	0935	3.36
28...	1010	2.92			
MAR					
29...	1135	-5.41			

COLLIER COUNTY

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

LOCATION.--Lat 26°21'58", long 81°28'34", in SE¼SW¼ sec.24, T.47 S., R.28 E., Hydrologic Unit 03090204, 30 ft north of County Highway 846, 2.8 mi east of Oil Well Road and 4.5 mi southwest of Immokalee. Owner: South Florida Water Management District.

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, 102 ft of open hole.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface is 15.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.33 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.75 ft NGVD, Aug. 21, 22, 23, 1988; lowest, 6.84 ft below NGVD, Apr. 26, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.84	2.37	-0.01	1.10	1.05	.35	-2.93	-2.55	10.55	12.20	12.62	10.37
10	9.15	1.50	.07	1.38	1.03	-0.55	-3.84	-1.45	11.23	12.55	12.23	9.81
15	9.22	.37	2.05	1.01	1.47	-1.86	-4.92	4.21	11.59	13.25	12.08	8.47
20	8.60	.02	1.24	.40	.82	-3.01	-5.90	6.07	11.59	13.49	12.11	8.47
25	3.60	-0.89	.75	-0.08	.79	-3.50	-6.27	7.67	11.71	13.27	11.91	7.92
EOB	2.62	-0.68	1.17	-0.66	1.27	-4.76	-3.05	9.78	11.96	13.12	10.90	6.61
MEAN	7.65	.62	.82	.63	.91	-1.88	-4.62	3.32	11.29	12.92	12.11	8.86
MAX	9.89	2.56	2.09	1.38	1.47	1.05	-2.93	9.78	11.96	13.50	13.07	10.61
MIN	2.62	-1.53	-1.06	-0.66	-0.50	-4.76	-6.84	-2.65	9.96	12.05	10.90	6.61
WTR YR 1990	MEAN	4.42	MAX	13.50	JUL 19	MIN	-6.84	APR 26				

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

LOCATION.--Lat 26°22'23", long 81°36'20", in SE¼NW¼ sec.22, T.47 S., R.27 E., Hydrologic Unit 03090204, 12 mi southwest of Immokalee, and 15 mi northeast of East Naples. Owner: National Audubon Society.

AQUIFER.--Tamiami aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 64 ft, cased 60 ft, open hole 60 to 64 ft.

INSTRUMENTATION.--Digital water level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 17.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 4.04 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1984 to October 1986 (monthly). November 1986 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.54 ft NGVD; Oct. 8, 1974; lowest, 12.35 ft NGVD; May 6, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.34	15.86	15.18	15.43	15.03	14.95	13.73	12.38	14.75	15.42	15.94	16.77
10	16.85	15.72	15.58	15.33	14.78	14.65	13.51	12.72	15.71	15.82	16.79	16.32
15	16.65	15.57	15.36	15.17	14.93	14.39	13.16	12.70	15.08	16.28	17.27	16.73
20	16.37	15.55	15.22	15.04	14.70	14.20	12.87	12.56	14.76	16.90	17.60	17.08
25	16.13	15.46	15.52	15.02	15.52	13.97	12.59	12.67	14.68	17.24	17.13	16.96
EOB	15.96	15.41	15.48	14.95	15.22	13.96	12.46	14.41	15.29	16.34	17.09	17.40
MEAN	16.37	15.65	15.40	15.18	15.01	14.39	13.17	12.84	15.07	16.26	16.87	16.84
MAX	16.86	15.97	15.70	15.46	15.62	15.15	13.99	14.44	15.76	17.26	17.60	17.43
MIN	15.96	15.38	15.11	14.89	14.62	13.74	12.46	12.35	14.54	15.22	15.88	16.24
WTR YR 1990	MEAN	15.26	MAX	17.60	AUG 20	MIN	12.35	MAY 6				

COLLIER COUNTY

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

LOCATION.--Lat 26°22'28", long 81°36'19", in SE¼NW¼ sec.22, T.47 S., R.27 E., Hydrologic Unit 03090204, at Corkscrew Swamp Sanctuary 12 mi southwest of Immokalee, and 15 mi northeast of East Naples. Owner: South Florida Water Management District.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 309 ft, cased to 238 ft, 71 ft of open hole.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 17.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.36 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.40 ft NGVD, Nov. 25, 1986; lowest measured, 10.16 ft NGVD, Feb. 22, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1115	26.46	25...	1100	16.59
23...	1250	26.56	MAY		
NOV			24...	1010	16.35
28...	1145	25.66	JUL		
DEC			31...	1005	24.66
28...	1115	24.06	AUG		
JAN			28...	0840	25.06
30...	1145	24.76	SEP		
FEB			27...	0915	25.66
28...	1040	24.66			
MAR					
29...	1100	23.66			

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

LOCATION.--Lat 26°25'04", long 81°24'59", in NW¼SW¼ sec.3, T.47 S., R.29 E., Hydrologic Unit 03090204, 100 ft south of State Road 846, 500 ft east of State Road 29 and 0.10 mi east-southeast of the Immokalee Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 783 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 35.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of 4 in. steel cap, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1959 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.30 ft NGVD, Sept. 28, 1981; lowest measured, 52.10 ft NGVD, June 24, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	0945	55.30	27...	1420	54.90
24...	1020	53.90	MAY		
NOV			23...	1000	53.70
30...	0955	54.50	JUN		
DEC			26...	0920	54.60
29...	0955	53.40	JUL		
FEB			30...	0940	56.40
01...	0925	54.30	AUG		
26...	1150	55.10	27...	0905	56.00

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°25'07", long 81°23'52", in SW¼NW¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of 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 30.67 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.74 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1959 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.97 ft NGVD, Oct. 7, 1982; lowest measured, 10.89 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1050	22.64	09...	1020	14.22
24...	1125	22.12	23...	1230	10.89
NOV			MAY		
30...	1035	18.23	07...	1055	11.42
DEC			23...	1115	14.27
11...	1050	18.07	JUN		
29...	1100	15.54	26...	1000	17.43
JAN			JUL		
16...	1220	17.71	30...	1055	20.24
FEB			AUG		
01...	1015	17.45	27...	1145	20.68
12...	1050	17.36	SEP		
26...	1240	17.66	27...	1100	17.84
MAR					
12...	1025	16.74			
27...	1330	14.39			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

139

COLLIER COUNTY

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

LOCATION.--Lat 26°25'19", long 81°16'21", SE¼NE¼ sec.1, T.47 S., R.30 E., Hydrologic Unit 03090204, 50 ft south of State Highway 846 at Collier/Hendry county line, and 9 mi east of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 130 ft, cased to 100 ft, 30 ft of open hole.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 26.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.23 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level 26.00 ft NGVD, Nov. 21, 28, 1987; lowest, 18.93 ft NGVD, Apr. 13, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.23	24.69	23.09	23.07	22.19	22.39	20.94	20.38	21.85	23.43	24.08	24.15
10	25.33	24.48	23.10	23.00	22.08	21.87	20.31	20.57	22.24	23.49	24.09	24.09
15	25.39	24.19	23.30	22.72	22.27	21.43	19.99	21.14	22.46	23.73	24.19	23.77
20	25.35	23.93	23.09	22.50	22.15	21.22	19.55	21.37	22.53	24.03	24.33	23.57
25	25.21	23.55	23.12	22.36	22.59	20.77	19.98	21.53	22.93	24.25	24.36	23.36
EOM	25.05	23.43	23.30	22.37	22.54	20.42	20.50	21.65	23.33	24.20	24.23	22.87
MEAN	25.25	24.15	23.17	22.73	22.26	21.44	20.23	21.06	22.44	23.82	24.21	23.72
MAX	25.40	25.00	23.48	23.27	22.62	22.46	21.09	21.65	23.33	24.29	24.36	24.21
MIN	25.05	23.38	22.85	22.34	22.04	20.28	19.49	20.37	21.68	23.36	24.04	22.87
WTR YR 1990	MEAN	22.88	MAX	25.40	OCT 14	MIN	19.49	APR 21	AND OTHERS			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°25'21", long 81°16'19", in SE~~1~~NE~~1~~ sec.1, T.47 S., R.30 E., Hydrologic Unit 03090204, 50 ft north of State Road 846, at Collier/Hendry County line, and 9 mi east of Immokalee. Owner: U.S. Geological Survey.

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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 26.71 ft above National Geodetic Vertical Datum of 1929. Prior to October 1975, land-surface datum was considered to be 26.60 ft above NGVD. Measuring point: Top of recorder shelf, 2.94 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality. Water levels affected by nearby irrigation.

PERIOD OF RECORD.--June 1952 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1975 are in error. Revised records are in files of the Geological Survey. See DATUM.

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.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.04	22.84	20.77	20.92	18.98	20.37	18.03	16.63	22.02	23.79	24.06	24.14
10	24.77	22.31	23.59	21.36	19.37	18.30	17.47	17.36	22.71	23.78	24.41	23.28
15	24.41	21.22	21.08	19.69	19.14	17.94	17.68	21.61	22.35	24.54	24.85	23.22
20	24.78	20.94	21.15	18.94	19.06	20.35	16.78	21.62	22.81	24.73	24.45	23.22
25	23.41	20.98	23.26	20.66	22.92	17.53	19.32	21.65	23.63	25.07	24.51	22.57
EOY	22.91	23.74	20.63	18.96	19.99	20.70	17.18	21.55	24.12	24.11	23.95	22.87
MEAN	24.19	21.97	21.96	20.35	19.92	18.72	17.97	20.03	22.75	24.32	24.38	23.12
MAX	25.09	23.74	23.59	22.44	23.54	21.82	22.19	21.69	24.29	25.07	24.96	24.14
MIN	22.86	20.91	20.49	18.90	18.48	17.34	16.62	16.63	21.62	23.76	23.78	21.77
WTR YR 1990	MEAN	21.66	MAX	25.09	OCT 12	MIN	16.62	APR 23				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

141

COLLIER COUNTY

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

LOCATION.--Lat 26°25'54", long 81°28'38", in NE&SW¼ sec.36, T.46 S., R.28 E., Hydrologic Unit 03090204, in island of Tippons Road, 0.1 mi south of County Highway 890, 3.2 mi west of the Immokalee Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone Aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 310 ft, cased to 290 ft, open hole 290 to 310 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.98 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1985, land-surface datum was considered to be 6.55 ft NGVD. Measuring point: Top of casing, 2.94 ft above land-surface datum (revision). SEE PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1981 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey. The records of water levels as elevation, in feet NGVD, prior to Oct. 1, 1985 are in error. Revised records are in file of the Geological Survey. SEE DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.19 ft NGVD, Oct. 5, 1982; lowest measured, 4.03 ft NGVD, Apr. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0935	19.44	09...	1005	11.08
24...	0940	17.97	23...	0930	9.84
NOV			MAY		
30...	0940	13.32	07...	1040	9.56
DEC			23...	0950	11.89
11...	1035	14.10	JUN		
29...	0940	14.57	26...	0905	18.05
JAN			JUL		
16...	1115	16.63	31...	0855	21.43
FEB			AUG		
01...	0910	15.79	27...	0850	20.60
12...	1040	15.67	SEP		
26...	1140	16.52	27...	0955	17.31
MAR					
12...	1000	14.16			
27...	1500	8.69			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

COLLIER COUNTY

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

LOCATION.--Lat 26°25'55", long 81°24'25", in NW¼SE¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

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, 0.91 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1961 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.19 ft NGVD, June 24, 1982; lowest measured, 18.24 ft NGVD, May 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0955	25.86	23...	1015	20.74
24...	1030	25.13	MAY		
NOV			23...	1005	22.97
30...	1000	25.31	JUN		
DEC			26...	0920	24.25
29...	1000	25.35	JUL		
FEB			30...	0950	24.55
01...	0930	24.29	AUG		
26...	1155	24.67	27...	1140	25.17

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

LOCATION.--Lat 26°25'58", long 81°27'05", in SE¼NE¼ sec.31, T.46 S., R.29 E., Hydrologic Unit 03090204, 25 ft north of County Highway 850, 1.1 mi west of State Highway 29 on County Highway 850, 2.0 mi west of Immokalee Post Office. Owner: U.S. Geological Survey.

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 13 ft, 15 ft of 0.020 screen 13 ft to 38 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 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.17 ft NGVD, Sept. 1, 1988; lowest measured, 20.07 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	0935	26.83	27...	1505	22.12
24...	1000	26.11	APR		
NOV			23...	0940	20.07
30...	0945	24.00	MAY		
DEC			23...	0950	21.55
29...	0945	23.46	JUL		
FEB			30...	0850	25.90
01...	0920	24.04	AUG		
26...	1145	22.92	27...	0825	25.38

COLLIER COUNTY

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

LOCATION.--Lat 26°27'24", long 81°26'12", in SE¼SE¼ 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. Owner: Collier Corp.

AQUIFER.--Lower Tamiami of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8.62 in., depth 110 ft, cased to 50 ft, slotted casing 50 to 110 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

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.--Well also sampled for water quality. Water levels estimated Apr. 21 - May 23, 1990 water year.

PERIOD OF RECORD.--November 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.13 ft NGVD, Sept. 2, 1983; lowest, 22.68 ft NGVD, Apr. 20, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.18	28.90	26.70	26.96	27.67	27.19	25.41	23.60	25.03	26.63	28.59	30.00
10	30.03	27.76	27.85	27.26	26.56	25.63	25.01	23.92	25.76	28.69	28.46	28.94
15	30.29	27.91	25.74	27.33	26.82	25.42	25.24	24.42	25.22	29.61	28.90	28.49
20	29.56	28.31	26.83	26.56	26.67	25.94	22.68	24.97	25.30	29.92	29.07	28.21
25	28.91	28.14	25.28	27.22	27.34	25.32	23.02	25.45	26.45	29.82	30.04	27.67
EOM	28.65	27.45	26.83	27.02	26.90	24.55	23.25	25.17	26.30	29.45	29.45	28.76
MEAN	30.03	28.01	26.71	26.98	26.93	25.49	24.23	24.54	25.58	28.92	29.10	28.48
MAX	31.65	28.96	27.85	27.82	27.67	27.41	25.77	25.82	26.45	30.10	30.55	30.04
MIN	28.65	26.83	25.10	26.02	25.67	23.27	22.68	23.31	24.83	26.42	28.18	26.91

WTR YR 1990 MEAN 27.09 MAX 31.65 OCT 11 MIN 22.68 APR 20

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

LOCATION.--Lat 26°28'22", long 81°21'32", in SW¼NE¼ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090204, 3.8 mi north of SR 846 and 5.5 mi east of SR 29, 5.0 mi northeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 28 ft, cased to 8 ft, 20 ft of 0.020 screen.

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 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 30.47 ft NGVD, Mar. 31, 1987; lowest measured, 25.83 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1025	29.80	23...	1110	25.83
24...	1055	29.56	MAY		
NOV			23...	1025	25.89
30...	1015	28.60	JUN		
DEC			26...	0940	26.57
29...	1020	28.22	JUL		
FEB			30...	1030	27.14
01...	0950	27.35	AUG		
26...	1215	27.18	27...	1105	28.94
MAR			SEP		
27...	1350	26.07	27...	1035	28.28

COLLIER COUNTY

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

LOCATION.--Lat 26°28'22", long 81°21'32", in SW¼SE¼ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090204, 3.8 mi north of County Highway 846 and 5.5 mi east of State Highway 29, 5 mi northeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, water-table 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.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.90 ft NGVD, Mar. 31, 1987; lowest measured, 21.32 ft NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	0925	28.62	23...	1115	22.35
24...	1055	28.14	MAY		
NOV			23...	1025	24.24
30...	1015	25.56	JUN		
DEC			26...	0940	25.93
29...	1020	22.86	26...	0945	25.61
FEB			JUL		
01...	0950	22.34	30...	1025	26.87
26...	1215	25.57	AUG		
MAR			27...	1100	28.05
27...	1350	24.80			

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

LOCATION.--Lat 26°28'22", long 81°21'32", in SW¼SE¼ sec.18, T.46 S., R.30 E., Hydrologic Unit 03090204, 3.8 mi north of County Highway 846, and 5.5 mi east of State Highway 29, 5 mi northeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Micoene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 246 ft, cased to 170 ft, 40 ft of screen 0.020, 170 ft to 210 ft.

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 4.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.67 ft NGVD, Mar. 31, 1987; lowest measured, 21.00 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1030	27.90	27...	1400	24.08
24...	1100	27.47	APR		
NOV			23...	1130	22.46
30...	1015	25.00	MAY		
DEC			23...	1030	23.69
29...	1020	22.98	JUL		
FEB			30...	1035	26.08
01...	0955	23.15	AUG		
26...	1220	25.37	27...	1110	26.72

COLLIER COUNTY

WELL NUMBER.--262859081273001. Local Number C 531.

LOCATION.--Lat 26°29'28", long 81°27'29", in NW¼SE¼ sec.7, T.46 S., R.29 E., Hydrologic Unit 03090205, north of State Highway 82, 1.5 mi west of State Highway 29 and 5.5 mi northwest of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 253 ft, cased to 210 ft, screened 210 to 240 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 41.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.58 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Well affected by nearby pumping. Water levels estimated Apr. 24 - May 24, 1990 water year.

PERIOD OF RECORD.--October 1975 to September 1976 (monthly). October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 32.92 ft NGVD, Sept. 5, 1983; lowest, 0.31 ft below NGVD, June 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.51	17.58	14.35	21.97	18.46	20.08	16.06	11.39	18.42	23.47	26.51	26.42
10	21.45	15.00	16.26	23.22	19.49	15.68	10.84	12.67	21.19	25.38	23.33	24.09
15	21.23	15.12	12.25	18.05	18.33	13.63	12.55	13.99	17.52	27.00	25.55	19.96
20	22.07	17.23	16.13	19.96	19.18	13.62	8.03	15.52	20.15	27.34	26.54	18.32
25	20.01	16.33	15.40	20.39	20.63	11.22	8.58	16.37	22.31	27.42	27.49	18.03
EOB	19.74	17.02	21.77	21.83	17.75	14.97	10.02	15.56	21.28	26.93	26.37	24.31
MEAN	21.49	16.20	16.14	21.07	19.33	14.40	11.23	14.28	19.97	26.07	25.76	22.16
MAX	24.98	18.40	21.77	23.22	22.25	20.79	16.31	18.28	22.59	28.15	28.18	27.48
MIN	18.88	13.73	12.25	17.84	17.22	8.17	8.03	10.29	15.98	22.97	23.29	17.16

WTR YR 1990 MEAN 19.02 MAX 28.18 AUG 27 MIN 8.03 APR 20

WELL NUMBER.--262859081273002. Local Number C 532.

LOCATION.--Lat 26°29'28", long 81°27'29", in NW¼SE¼ sec.7, T.46 S., R.29 E., Hydrologic Unit 03090205, north of State Highway 82, 1.5 mi west of State Highway 29 and 5.5 mi northwest of Immokalee. Owner: U.S. Geological Survey.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.29 ft NGVD, June 29, 1981; lowest measured, 37.55 ft NGVD, Jan. 27, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1200	39.35	27...	1140	38.89
23...	1435	39.38	MAY		
NOV			24...	1725	39.30
27...	1255	39.32	JUN		
DEC			26...	0840	39.91
28...	1220	39.83	JUL		
JAN			31...	1640	39.19
29...	1330	39.59	AUG		
FEB			29...	1405	39.72
26...	0935	39.89			

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
COLLIER COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
261444081284901	C - 988	26 14 44 N	081 28 49 W	10-03-89	14.48
				10-23-89	13.61
				11-28-89	9.64
				12-28-89	9.06
				01-30-90	7.43
				02-28-90	6.89
				05-24-90	9.01
				06-27-90	12.07
				07-31-90	14.35
				08-28-90	14.43
				09-27-90	11.28

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY

147

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
254858081231601	C - 39	25 48 57 N	081 21 43 W	10-26-89	7360	2200
255430081221001	C - 311	25 54 38 N	081 21 54 W	10-26-89	2380	480
255637081281401	C -1065	25 56 37 N	081 28 14 W	04-24-90 10-26-89	2430 46100	470 16000
255637081281402	C -1066			10-26-89	59000	22000
				04-24-90	60500	22000
255700081274501	C - 269	25 56 26 N	081 28 12 W	10-26-89	2360	780
255703081213801	C - 995	25 57 03 N	081 21 38 W	10-27-89 04-24-90	495 493	20 24
255748081181801	C - 495	25 57 48 N	081 18 18 W	10-26-89	371	18
				04-24-90 06-27-90	474 427	26 20
260111081243901	C - 496	26 01 11 N	081 24 39 W	10-27-89 04-24-90 05-25-90	598 662 646	40 48 44
				06-27-90 08-01-90	641 622	44 42
260137081375901	C -1063	26 01 37 N	081 37 59 W	10-23-89	543	28
260137081375902	C -1064			10-23-89 01-30-90	1340 1800	190 340
260238081401401	C - 969	26 02 38 N	081 40 14 W	10-23-89	778	82
260247081412201	C -1081	26 02 47 N	081 41 22 W	10-23-89	525	14
260304081391401	C - 975	26 03 04 N	081 39 14 W	10-23-89	705	68
260309081272601	C - 987	26 03 09 N	081 27 26 W	10-27-89 04-24-90	3070 3150	700 700
260314081323101	C -1067	26 03 14 N	081 32 31 W	10-27-89 04-24-90	789 938	40 70
260314081323102	C -1068			10-27-89 04-24-90	5690 5760	1500 1500
260334081391601	C - 968	26 03 34 N	081 39 16 W	10-23-89	618	52
260448081411601	C - 446	26 04 48 N	081 41 16 W	10-23-89	923	86
260540081430601	C - 967	26 05 40 N	081 43 06 W	10-23-89	474	40
260549081441901	C - 600	26 05 49 N	081 44 19 W	10-23-89	825	72
260630081411401	C - 599	26 06 30 N	081 41 14 W	10-23-89	1150	130
260632081324702	C - 690	26 06 29 N	081 32 35 W	10-27-89	871	76
				04-24-90	858	70
260640081204301	C - 296	26 06 40 N	081 20 43 W	10-26-89 06-27-90	3430 3120	820 680
260813081214301	C -1069	26 08 13 N	081 21 43 W	10-26-89 04-24-90	505 569	20 24
260813081214302	C -1070			10-26-89 04-23-90	576 546	24 30
260843081324201	C - 973	26 08 43 N	081 32 42 W	10-27-89 04-24-90	2620 2730	620 630
260843081324202	C - 972			10-27-89	615	10
				04-24-90	628	20

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
260902081480401	C - 130	26 09 02 N	081 48 04 W	10-24-89	939	130
260908081411201	C - 996	26 09 08 N	081 41 12 W	10-25-89	790	26
260912081434201	C - 175	26 09 12 N	081 43 46 W	10-23-89	4900	1400
260915081385901	C - 976	26 09 15 N	081 38 59 W	10-27-89	705	16
260915081385902	C - 977			10-27-89	910	70
260919081460501	C -1052	26 09 19 N	081 46 05 W	10-23-89	450	18
260919081460502	C -1053			10-23-89	2180	460
260925081475101	C -1062	26 09 25 N	081 47 51 W	10-24-89 01-31-90	790 487	62 60
260925081475201	C - 472A	26 09 25 N	081 47 52 W	10-24-89	579	40
260941081324201	C - 974	26 09 41 N	081 32 42 W	10-27-89 04-24-90	7540 7730	2100 2100
260948081483301	C - 524	26 09 48 N	081 48 33 W	10-24-89 12-11-89 12-28-89 01-16-90 01-31-90 02-12-90 03-12-90	1160 870 1030 1100 1060 1140 1060	230 170 250 210 200 210 200
260948081483301	C - 524	26 09 48 N	081 48 33 W	03-30-90 04-09-90 04-23-90 05-07-90 05-23-90 07-30-90 08-27-90 09-27-90	1540 2110 2910 2450 445 4430 3990 8460	360 500 720 600 96 1200 1000 2400
261000080520001	C - 54	26 10 18 N	080 53 02 W	10-25-89 04-26-90	386 636	20 24
261003081475801	C - 123	26 10 03 N	081 47 58 W	10-24-89 04-23-90	455 485	24 30
261018081484101	C - 526	26 10 18 N	081 48 41 W	10-24-89 12-11-89 12-28-89 01-16-90 01-31-90 02-12-90 03-12-90 03-30-90 04-09-90 04-23-90 05-07-90 07-30-90	9680 8920 9180 9850 9930 9140 9740 9710 9790 9900 9600 9650	3000 2800 2900 3000 3200 2900 3000 3100 3000 3000 3200 3100
261023081470701	C - 161	26 10 23 N	081 47 07 W	10-23-89	753	90
261024081463801	C -1051	26 10 24 N	081 46 38 W	10-23-89	681	46
261024081480101	C - 409A	26 10 24 N	081 48 01 W	10-24-89	439	22
261024081480102	C - 409			10-24-89 04-23-90	309 452	20 34

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

149

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261048081484801	C - 527	26 10 48 N	081 48 48 W	10-24-89	7580	2400
				12-11-89	7010	2100
				12-28-89	7040	2100
				01-16-90	20100	6100
				01-31-90	19300	6000
				02-12-90	19300	6000
				03-12-90	24600	8400
				03-30-90	24900	8300
				04-09-90	27000	9000
				04-23-90	36200	13000
				05-07-90	34200	14000
				05-23-90	17600	5400
				07-30-90	16100	5300
261103081474902	C -1000	26 11 03 N	081 47 49 W	10-24-89	262	20
261114081482301	C - 474A	26 11 14 N	081 48 23 W	10-24-89	620	92
261114081482302	C - 474			10-24-89	693	82
261116081480303	C -1001	26 11 16 N	081 48 03 W	10-24-89	727	54
				01-31-90	504	78
261117081480101	C - 491	26 11 17 N	081 48 01 W	10-24-89	401	36
261124081470101	C - 392	26 11 24 N	081 47 01 W	10-24-89	705	44
				07-30-90	665	40
261124081470301	C - 391	26 11 24 N	081 47 03 W	10-24-89	451	20
				04-23-90	501	26
261127081461001	C -1054	26 11 27 N	081 46 10 W	10-23-89	580	34
261146081460701	C - 430	26 11 46 N	081 46 07 W	10-23-89	932	96
261156081475801	C - 516	26 11 56 N	081 47 58 W	10-24-89	411	10
				04-23-90	450	20
				09-27-90	138	4.0
261200081204901	C - 986	26 12 00 N	081 20 49 W	10-26-89	671	36
				04-24-90	701	48
261200081483001	C - 528	26 11 55 N	081 48 30 W	10-24-89	427	20
				12-28-89	431	20
				01-16-90	440	22
				01-31-90	423	20
				02-12-90	410	20
				03-12-90	430	22
261200081483001	C - 528	26 11 55 N	081 48 30 W	03-30-90	436	22
				04-09-90	439	22
				04-23-90	445	22
				05-07-90	445	24
				07-30-90	417	18
261211081441301	C -1055	26 12 11 N	081 44 13 W	10-24-89	628	6.0
				04-23-90	617	6.0
261233081480201	C - 506A	26 12 33 N	081 48 02 W	10-24-89	400	10
261233081480202	C -1026			10-24-89	450	16
261241081465401	C -1002	26 12 41 N	081 46 54 W	10-24-89	950	44
261243081480301	C - 490	26 13 13 N	081 48 03 W	10-24-89	229	6.0

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261302081473901	C - 489	26 13 02 N	081 47 39 W	10-27-89	457	36
				12-11-89	428	38
				12-28-89	432	36
				01-16-90	467	34
				01-31-90	442	38
				02-12-90	437	38
				03-12-90	460	34
				03-30-90	468	34
				04-09-90	465	32
				04-23-90	471	34
				05-07-90	437	36
				05-23-90	455	34
				07-30-90	457	36
261311081480101	C -1061	26 13 11 N	081 48 01 W	10-24-89	248	40
				01-31-90	272	41
261343081384801	C - 980	26 13 43 N	081 38 48 W	10-25-89	895	10
261343081384802	C - 956			10-25-89	844	56
261346081480201	C - 515	26 13 46 N	081 48 02 W	10-27-89	419	10
261347081351201	C - 953	26 13 47 N	081 35 12 W	10-25-89	515	10
261347081351202	C - 951			10-25-89	666	34
				04-25-90	1010	70
261347081351701	C - 948	26 13 47 N	081 35 17 W	10-25-89	1810	180
261401081461401	C - 458	26 14 01 N	081 46 14 W	10-24-89	816	30
				04-23-90	808	38
261405081465501	C - 460	26 14 05 N	081 46 55 W	10-24-89	863	14
				08-27-90	788	16
261417081305402	C - 598	26 14 17 N	081 30 54 W	10-23-89	692	20
261435081472501	C - 321	26 14 35 N	081 47 25 W	10-27-89	396	32
				04-23-90	316	20
261436081480301	C -1003	26 14 36 N	081 48 03 W	10-27-89	357	6.0
261438081481001	C - 575	26 13 17 N	081 48 05 W	10-27-89	4390	1100
261444081284901	C - 988	26 14 44 N	081 28 49 W	10-23-89	706	46
261457081460901	C -1056	26 14 57 N	081 46 09 W	10-23-89	336	12
261459081480401	C -1060	26 14 59 N	081 48 04 W	10-27-89	191	6.0
				07-30-90	448	70
261508081484902	C - 999	26 15 08 N	081 48 49 W	10-27-89	756	20
				07-30-90	942	110
261524081480401	C - 424	26 15 24 N	081 48 04 W	10-27-89	1910	460
				12-28-89	1320	350
				01-16-90	1350	380
				01-31-90	1690	380
				02-12-90	1730	390
				03-12-90	1360	340
				03-30-90	1710	380
				04-09-90	1500	380
				04-23-90	1570	400
				05-07-90	1450	410
				05-23-90	1440	400
				07-31-90	1520	440
				08-27-90	1940	440
				09-27-90	1340	440

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

151

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261530081412001	C - 997	26 15 30 N	081 41 20 W	10-25-89 11-28-89 01-30-90	607 600 583	20 24 22
261530081412001	C - 997	26 15 30 N	081 41 20 W	04-24-90 06-27-90 08-01-90	649 639 629	30 16 14
261537081461201	C -1057	26 15 37 N	081 46 12 W	10-23-89 01-30-90	808 968	60 92
261537081461202	C -1058			10-23-89 01-30-90 07-31-90	1680 1710 1870	300 300 320
261604081480901	C -1059	26 16 04 N	081 48 09 W	10-27-89 01-31-90	674 694	30 30
261620081450201	C - 998	26 16 20 N	081 45 02 W	10-23-89 12-11-89 12-27-89 01-16-90 01-30-90 02-12-90 03-12-90 03-28-90 04-09-90 05-07-90 05-22-90 06-28-90 07-31-90 08-28-90	647 631 618 646 1350 620 630 634 639 607 1020 741 763 648	120 140 130 130 180 130 130 130 130 130 160 130 160 120
261620081450701	C - 384	26 16 20 N	081 45 05 W	10-23-89	472	12
261620081464401	C -1004	26 16 20 N	081 46 44 W	10-23-89 12-11-89 12-27-89 01-16-90 01-30-90 02-12-90 03-12-90 03-28-90 04-09-90 04-25-90 05-07-90 05-22-90 07-31-90 08-28-90	2290 2160 2150 2350 2250 2210 2340 2310 2230 2230 2160 2330 2170 2350	480 440 440 480 450 450 460 480 420 420 440 450 420 480
261621081412302	C - 303	26 16 21 N	081 41 23 W	10-25-89	2450	640
261630081360001	C - 304	26 16 35 N	081 36 13 W	10-23-89	652	40
261721081351303	C - 971	26 17 21 N	081 35 13 W	10-23-89	626	36
261733081285501	C - 984	26 17 33 N	081 28 55 W	10-23-89	635	38
261733081285502	C - 989			10-23-89	1390	190
261733081285503	C - 985			10-23-89	674	40
261740081235401	C - 684	26 17 40 N	081 23 54 W	10-24-89	3260	180
261740081235402	C - 689			10-24-89 04-23-90	745 772	76 85
261740081235403	C -1073			10-24-89 04-23-90	600 628	40 42
261741081235401	C - 503	26 17 41 N	081 23 54 W	10-24-89 04-23-90 05-23-90 06-26-90 07-30-90	609 646 610 597 585	48 25 48 46 46

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261802081354801	C - 688	26 18 02 N	081 35 48 W	10-23-89	703	42
261805081473301	C -1082	26 18 05 N	081 47 33 W	10-27-89	36	6.0
261805081473302	C -1083			10-27-89	2190	480
				12-11-89	1700	380
				12-28-89	1700	380
				01-16-90	1500	320
				01-31-90	3130	720
				02-12-90	2690	700
				03-30-90	3140	680
				05-07-90	2100	460
261805081473302	C -1083	26 18 05 N	081 47 33 W	05-23-90	2120	450
				07-31-90	1620	360
				08-27-90	1920	420
				09-27-90	3100	720
261823081171901	C -1071	26 18 23 N	081 17 19 W	10-24-89	629	42
				04-23-90	684	52
261823081171902	C -1072			10-24-89	1190	130
262121081355501	C - 978	26 21 21 N	081 35 55 W	10-23-89	1370	220
262121081355502	C - 963			10-23-89	416	24
262121081355503	C - 979			10-23-89	680	50
262136081204201	C - 966	26 21 36 N	081 20 42 W	10-24-89	527	24
				04-23-90	563	26
262136081204202	C - 965			10-24-89	1200	190
				04-23-90	1280	210
262158081283401	C - 981	26 21 58 N	081 28 34 W	10-23-89	602	34
262158081283402	C - 983			10-23-89	4650	780
262158081283403	C - 982			10-23-89	526	30
262158081283404	C -1079			10-23-89	618	38
262228081361901	C - 492	26 22 23 N	081 36 20 W	10-23-89	786	84
262228081361902	C -1080	26 22 28 N	081 36 19 W	10-23-89	441	22
				04-25-90	452	28
262505081245301	C - 258	26 25 04 N	081 24 59 W	10-24-89	1040	490
262507081235201	C - 298	26 25 07 N	081 23 52 W	10-24-89	728	22
				04-23-90	550	44
262519081162102	C -1074	26 25 19 N	081 16 21 W	10-24-89	965	98
				04-23-90	1070	110
262521081161901	C - 131	26 25 21 N	081 16 19 W	10-24-89	763	64
				11-30-89	749	60
				02-01-90	773	70
				04-23-90	817	82
262554081283801	C - 687	26 25 54 N	081 28 38 W	10-24-89	743	72
				04-23-90	881	110
262555081242501	C - 363	26 25 55 N	081 24 25 W	10-24-89	432	22
				04-23-90	381	22
262558081270501	C -1078	26 25 58 N	081 27 05 W	10-24-89	476	6.0
				04-23-90	259	20
262724081260701	C - 462	26 27 24 N	081 26 07 W	10-24-89	521	10
				04-23-90	743	30

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
COLLIER COUNTY--Continued

153

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
262822081213201	C -1075	26 28 22 N	081 21 32 W	10-24-89 04-23-90	683 685	68 68
262822081213202	C -1076			10-24-89 04-23-90	840 869	86 100
26282208121320						SPE-

WATER RESOURCES DATA FOR FLORIDA, 1990
VOLUME 2B: SOUTH FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 6
DADE COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER	INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	251922080340701	G 1251	156	26	254444080144801	F 179	171
2	252425080320001	G 613	156	27	254500080360001	G 618	172
3	252612080300701	G 864	157	28	254741080162101	G 3328	172
4	252619080310201	G 864A	157	29	254752080181501	G 3329	173
5	252829080285101	F 358	158	28	254823080163701	G 3327	173
6	252918080234201	G 1183	158	50	254823080175201	G 3465	174
7	252928080332401	G 789	159	29	254832080175001	S 19	174
8	253012080261401	G 1486	159	51	254834080171601	G 3466	175
9	253029080295601	S 196A	160	52	254839080162301	G 3467	175
10	253233080301001	G 1363	160	30	254857080171101	S 68	176
11	253258080264301	G 614	161	31	254830080284201	G 1488	176
48	253408080340401	G 3437	161	32	255023080202301	G 976	177
12	253537080284401	G 757A	162	33	254943080121501	F 45	177
13	253549080214101	S 182A	162	34	254950080171202	G 1368A	178
14	263630080264801	G 1362	163	35	254950080180801	G 3	178
15	252656080350301	G 1502	163	37	255008080161801	F 239	179
16	253718080192301	G 860	164	36	255026080240302	G 3259A	179
16A	253748080343401	G 3273	164	36A	255027080221602	G 3264A	180
19	253937080304001	G 596	165	36	255027080245501	G 3253	180
17	253854080242801	G 858	165	38	255207080241301	G 974	181
18	253902080202501	G 553	166	39	255208080274001	G 975	181
20	254000080181001	G 580	166	40	255209080212801	G 973	182
20A	254000080460001	G 620	167	40	255250080270801	G 594	182
21	254038080280201	G 855	167	41	255342080195501	G 1166	183
21A	254054080295401	G 1487	168	42	255437080103201	G 852	183
23	254130080234501	G 551	168	43	255522080261401	G 972	184
22	854157080214001	G 3073	169	44	255526080143001	S 18	184
22	254157080214002	G 3074	169	45	255600080270001	G 968	185
24	254215080201503	G 1074B	170	46	255707080255001	G 1637	185
25	254217080171801	F 319	170	47	255709080223701	G 970	186
49	254421080260201	G 3439	171				

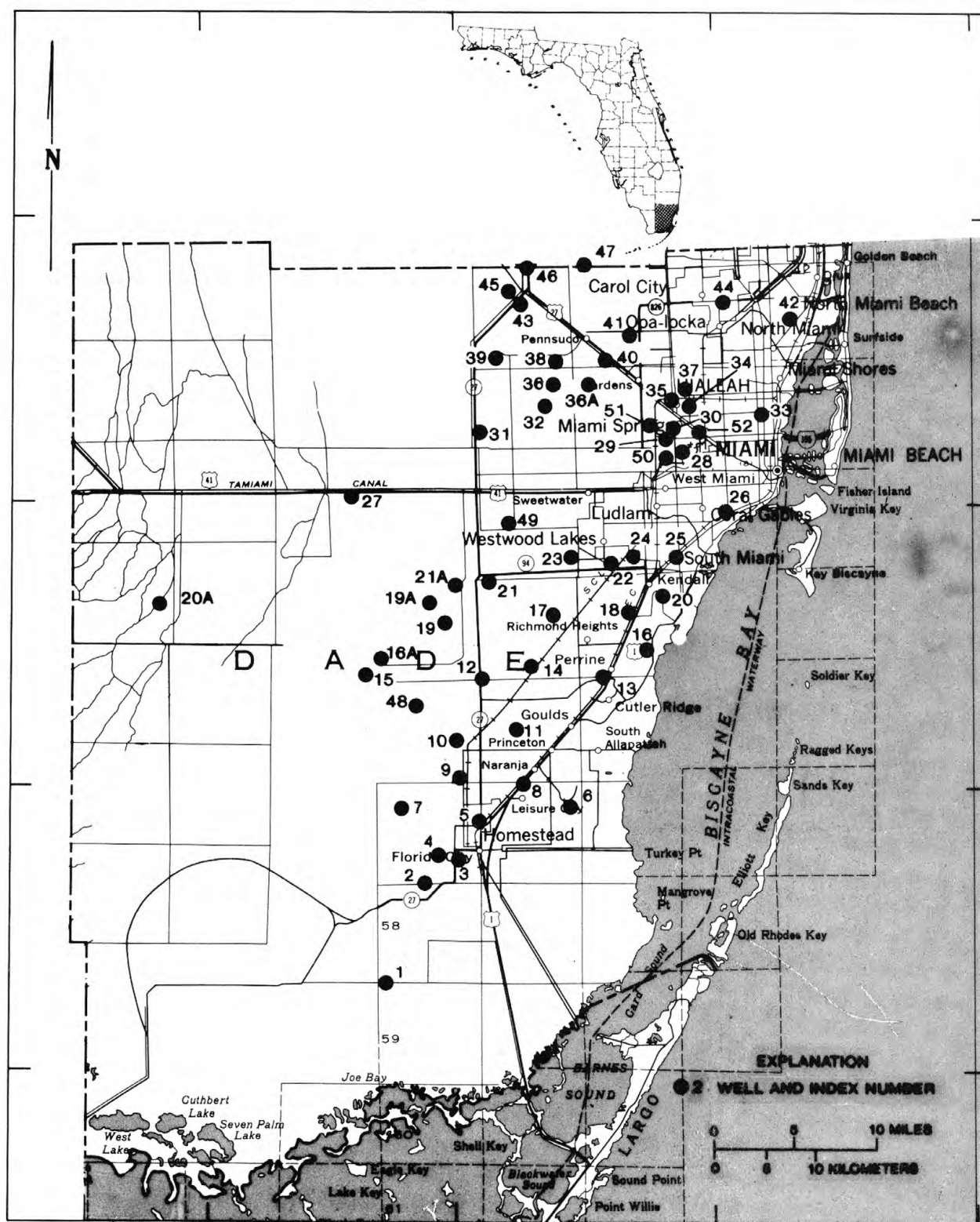


Figure 6: Location of wells in Dade County

DADE COUNTY

WELL NUMBER.--251922080340701. Local Number G 1251. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°19'16", long 80°33'57", in NE¼SW¼ sec.6, T.59 S., R.38 E., Hydrologic Unit 03090202, 2.5 mi southwest of S-18-C, 5.4 mi south of State Highway 27, 7 mi west of U.S. Highway 1, and 11.0 mi southwest of Homestead.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 59 ft, cased to 5 ft.

REVISIONS.--WDR FL-84-2B: 1983.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 2.79 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1984, land-surface datum was considered to be 2.99 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1965 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1984 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.32 ft NGVD, Aug. 15-16, 1988; lowest, 1.76 ft below NGVD, May 30, 1965.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.05	1.67	1.50	1.20	.88	.85	1.00	.11	1.78	1.82	2.05	2.39
10	2.12	1.57	1.48	1.16	.78	.70	1.45	.02	1.69	1.91	2.10	2.21
15	2.03	1.51	1.41	1.05	.69	.51	.80	-0.08	1.43	2.02	2.10	2.14
20	1.98	1.46	1.40	.99	.75	.85	.57	-0.27	1.20	2.04	2.05	2.11
25	1.86	1.36	1.35	.98	.71	.49	.89	1.44	2.05	2.08	2.13	2.13
EOM	1.73	1.59	1.26	.92	.57	.46	.25	2.05	2.00	2.03	2.34	2.12
MEAN	1.99	1.55	1.43	1.06	.75	.66	.82	.46	1.69	1.98	2.10	2.19
MAX	2.16	1.72	1.58	1.25	.91	1.13	1.55	2.21	2.12	2.14	2.34	2.40
MIN	1.73	1.36	1.26	.91	.57	.41	.22	-0.31	1.15	1.82	2.02	2.08
WTR YR 1990	MEAN	1.39	MAX	2.40	SEP 4	MIN	-0.31	MAY 22				

WELL NUMBER.--252425080320001. Local Number G 613. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°24'25", long 80°32'00", in NW¼SW¼ in sec.3, T.58 S., R.38 E., Hydrologic Unit 03090202, on north side of State Highway 27, and 3 mi southwest of Florida City.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 21 ft, cased to 18 ft.

INSTRUMENTATION.--Satellite Data Collection Platform. Prior to Apr. 30, 1990 digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Apr. 26 - May 2, 1990 water year.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.11 ft NGVD, Sept. 23, 1960; lowest, 1.49 ft below NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.22	1.74	1.77	1.55	1.36	1.46	1.36	.85	2.49	2.27	2.44	2.64
10	2.21	1.70	1.69	1.53	1.25	1.32	1.54	.75	2.26	2.33	2.43	2.38
15	2.14	1.64	1.64	1.42	1.14	1.12	1.39	.63	2.01	2.47	2.63	2.52
20	2.03	1.61	1.69	1.38	1.13	1.31	1.15	.40	1.73	2.32	2.53	2.58
25	1.89	1.54	1.57	1.38	1.20	1.14	.94	1.39	2.02	2.36	2.94	2.45
EOM	1.77	1.95	1.58	1.37	1.13	.99	.99	2.43	2.40	2.22	2.83	2.65
MEAN	2.07	1.68	1.69	1.45	1.22	1.24	1.23	1.13	2.15	2.35	2.58	2.55
MAX	2.33	1.95	1.91	1.57	1.41	1.48	1.57	3.53	2.49	2.58	2.94	2.82
MIN	1.77	1.54	1.57	1.35	1.09	.99	.72	.35	1.59	2.22	2.21	2.35
WTR YR 1990	MEAN	1.78	MAX	3.53	MAY 27	MIN	.35	MAY 21 AND OTHERS				

DADE COUNTY

WELL NUMBER.--252612080300701. Local Number G 864. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°26'12", long 80°30'07", in SE¼SW¼ sec.26, T.57 S., R.38 E., Hydrologic Unit 03090202, near Florida Keys Aqueduct Authority well field, on State Highway 27, 0.5 mi south of Southwest 352nd Street, and 2 mi southwest of Florida City.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.47 ft above land-surface datum.

REMARKS.--Water levels estimated June 21-29, 1990 water year.

PERIOD OF RECORD.--January 1961 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.40 ft NGVD estimated, Aug. 18, 1981; lowest, 1.20 ft below NGVD, May 13, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.48	2.04	2.08	1.88	1.79	1.90	1.64	1.51	3.16	2.84	3.00	3.16
10	2.55	1.95	1.96	1.89	1.64	1.78	1.91	1.25	2.69	2.78	2.97	2.82
15	2.54	1.90	1.89	1.79	1.56	1.60	1.79	1.12	2.33	3.16	3.48	2.94
20	2.40	1.87	2.03	1.71	1.53	1.80	1.57	.85	2.02	2.75	3.29	3.00
25	2.24	1.81	1.85	1.79	1.61	1.67	1.33	1.52	2.56	2.81	3.50	2.97
EOM	2.03	2.35	1.89	1.71	1.55	1.44	1.88	3.09	3.15	2.69	3.99	3.09
MEAN	2.39	1.97	1.99	1.80	1.63	1.71	1.62	1.58	2.62	2.86	3.28	3.01
MAX	2.60	2.35	2.33	1.90	1.83	1.93	1.94	3.38	3.20	3.22	3.99	3.74
MIN	2.03	1.79	1.85	1.71	1.48	1.44	1.22	.74	2.01	2.69	2.67	2.75

WTR YR 1990 MEAN 2.21 MAX 3.99 AUG 31 MIN .74 MAY 23

WELL NUMBER.--252619080310201. Local Number G 864A. USGS Observation Well near Florida City, FL.

LOCATION.--Lat 25°26'08", long 80°30'32", in NW¼NW¼ sec.26, T.57 S., R.38 E., Hydrologic Unit 03090202, in Navy well field, 0.25 mi west of S.W. 192nd Avenue, 0.5 mi south of S.W. 352nd Street, and 2.1 mi southwest of Florida City.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.49 ft above National Geodetic Vertical Datum of 1929. From Oct. 1, 1982 to Sept. 30, 1984, land-surface datum was considered to be 8.88 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of shelter base, 0.86 ft above land-surface datum (correction).

REMARKS.--Water levels estimated Oct. 31, Nov. 1-14 and May 17-30, 1990 water year.

PERIOD OF RECORD.--January 1962 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD from Oct. 1, 1982 to Sept. 30, 1984 are in error. Revised records are in files of the Geological Survey. See DATUM.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.48	1.88	2.03	1.68	1.67	1.78	1.58	1.38	3.11	2.63	2.78	3.03
10	2.47	1.78	1.89	1.85	1.54	1.67	1.83	1.22	2.56	2.58	2.80	2.72
15	2.49	1.71	1.77	1.60	1.51	1.51	1.64	1.06	2.27	2.96	3.06	2.61
20	2.29	1.77	2.03	1.59	1.43	1.60	1.51	.78	1.82	2.60	3.04	2.78
25	2.09	1.69	1.79	1.73	1.53	1.51	1.28	1.40	2.36	2.79	3.02	2.77
EOM	1.92	2.31	1.77	1.55	1.50	1.50	1.78	3.04	3.00	2.65	3.07	2.92
MEAN	2.31	1.83	1.93	1.67	1.56	1.59	1.54	1.50	2.51	2.72	2.93	2.81
MAX	2.54	2.31	2.29	1.96	1.84	2.01	1.87	3.32	3.11	3.02	3.10	3.08
MIN	1.92	1.60	1.74	1.54	1.39	1.34	1.18	.68	1.82	2.56	2.57	2.59

WTR YR 1990 MEAN 2.08 MAX 3.32 MAY 28 MIN .68 MAY 23

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--252829080285101. Local Number F 358. USGS Observation Well at Homestead, FL.

LOCATION.--Lat 25°28'29", long 80°28'51", in NE¼NE¼ sec.13, T.57 S., R.38 E., Hydrologic Unit 03090202, at Northwest 6th Street and 2nd Avenue in Homestead, and 0.2 mi west of Krome Ave.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.17 ft above land-surface datum (corrected).

REMARKS.--Water levels estimated Nov. 27-30 and Dec. 1-21, 1990 water year.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.19 ft NGVD, Oct. 5, 1948; lowest, 1.18 ft below NGVD, June 13, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.83	2.51	2.51	2.20	2.16	2.29	2.05	1.90	3.45	3.34	3.63	3.59
10	2.97	2.35	2.35	2.20	2.06	2.25	2.33	1.65	3.08	3.21	3.84	3.22
15	2.98	2.26	2.23	2.14	1.98	2.09	2.21	1.52	2.76	3.35	4.03	3.19
20	2.81	2.19	2.28	2.05	1.93	2.28	1.96	1.26	2.50	3.19	3.83	3.27
25	2.63	2.21	2.20	2.12	2.00	2.20	1.75	1.86	3.08	3.31	3.94	3.39
EOB	2.46	2.62	2.22	2.10	1.98	1.90	2.06	3.28	3.45	3.39	4.82	3.15
MEAN	2.82	2.35	2.32	2.14	2.03	2.18	2.02	1.88	3.02	3.31	3.90	3.39
MAX	3.27	2.63	2.61	2.21	2.17	2.32	2.34	3.28	3.56	3.48	5.17	4.43
MIN	2.46	2.12	2.14	2.00	1.92	1.90	1.62	1.13	2.43	3.19	3.31	3.14
WTR YR 1990	MEAN	2.62	MAX	5.17	AUG 30	MIN	1.13	MAY 23				

WELL NUMBER.--252918080234201. Local Number G 1183. USGS Observation Well in Homestead, FL.

LOCATION.--Lat 25°29'18", long 80°23'42", in SW¼NW¼ sec.12, T.57 S., R.39 E., Hydrologic Unit 03090202, in Homestead Air Force Base, 3.0 mi southeast of U.S. Highway 1, and 5.0 mi east of Homestead.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 9 in., depth 47 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

REMARKS.--Water levels estimated Oct. 4-7, June 6-29, July 18-25, Aug. 2-22, Sept. 19-22, 1990 water year.

DATUM.--Land-surface datum is 6.17 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1969 to current year. Records of water levels prior to October 1973, are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.59 ft NGVD, August 18, 1981; lowest, 0.83 ft below NGVD, May 12, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.36	2.12	1.94	2.05	1.90	2.07	1.98	1.80	2.51	3.11	3.07	2.56
10	2.95	2.08	1.97	2.01	1.80	1.98	2.97	1.76	2.37	3.08	3.61	2.46
15	2.45	2.02	1.97	1.95	1.70	1.82	2.01	1.53	2.12	3.49	3.25	3.03
20	2.18	1.98	2.05	1.87	1.68	2.47	1.85	1.25	1.89	3.03	3.61	3.08
25	2.11	2.06	2.06	2.00	1.66	2.00	1.71	2.38	2.24	3.07	3.10	3.07
EOB	2.07	1.88	2.03	1.93	1.63	1.83	2.04	2.62	2.60	3.77	2.60	2.69
MEAN	2.36	2.06	2.01	1.97	1.75	2.02	2.01	1.93	2.30	3.10	3.21	2.77
MAX	3.41	2.32	2.10	2.05	1.96	2.58	3.34	3.70	2.84	3.82	3.67	3.17
MIN	2.07	1.88	1.93	1.86	1.62	1.77	1.56	1.17	1.81	2.44	2.60	2.46
WTR YR 1990	MEAN	2.30	MAX	3.82	JUL 14	MIN	1.17	MAY 22				

DADE COUNTY

WELL NUMBER.--252928080332401. Local Number G 789. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°29'28", long 80°33'24", in SE¼SE¼ sec.6, T.57 S., R.38 E., Hydrologic Unit 03090202, at Homestead General Airport on north side of Avocado Drive, 3.5 mi northwest of Homestead, and 4.0 mi west of Krome Avenue.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1956 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.49	3.19	2.96	2.82	2.90	2.96	2.52	2.12	3.85	3.87	3.48	3.91
10	3.78	3.01	2.82	2.83	2.75	2.92	2.80	1.85	3.62	3.96	3.62	3.89
15	3.69	2.88	2.88	2.71	2.69	2.75	2.55	1.63	3.22	4.01	3.77	3.65
20	3.69	2.76	2.92	2.79	2.68	3.26	2.21	1.39	2.86	3.74	3.91	3.65
25	3.26	2.70	2.67	2.85	2.84	2.70	1.99	2.11	4.07	4.04	4.06	3.70
EOM	3.09	3.13	2.76	2.88	2.81	2.34	2.63	3.83	3.91	3.76	4.68	4.27
MEAN	3.51	2.97	2.87	2.79	2.77	2.81	2.42	2.17	3.51	3.95	3.85	3.90
MAX	3.84	3.38	3.11	2.88	2.93	3.26	2.80	4.13	4.09	4.16	5.09	5.25
MIN	3.09	2.65	2.67	2.68	2.67	2.28	1.90	1.31	2.73	3.66	3.42	3.58

WTR YR 1990 MEAN 3.13 MAX 5.25 SEP 29 MIN 1.31 MAY 22

WELL NUMBER.--253012080261401. Local Number G 1486. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'12", long 80°26'14", in NE¼NW¼ sec.4, T.47 S., R.39 E., Hydrologic Unit 03090202, 50 ft west of Newton Road, 1000 ft south of Waldin Drive, 0.3 mi east of U.S. Highway 1, and 3.0 mi northeast of Homestead.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.39 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 4-12, Nov. 1-27, and July 31 - Aug. 27, 1990 water year.

PERIOD OF RECORD.--May 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.72	2.59	2.27	2.13	2.02	2.19	2.04	1.85	3.15	3.16	3.28	3.45
10	2.80	2.38	2.20	2.11	1.96	2.17	2.45	1.68	2.94	2.98	3.10	3.06
15	2.87	2.23	2.13	2.04	1.88	2.00	2.18	1.56	2.67	3.18	4.00	3.16
20	2.66	2.06	2.20	1.97	1.85	2.29	1.98	1.31	2.43	3.04	3.54	3.17
25	2.49	1.97	2.11	2.02	1.86	2.15	1.77	1.96	2.84	3.14	3.62	3.32
EOM	2.33	2.36	2.14	2.01	1.84	1.92	2.00	3.05	3.17	3.49	3.97	3.38
MEAN	2.66	2.28	2.20	2.05	1.92	2.11	2.03	1.89	2.87	3.13	3.58	3.28
MAX	2.98	2.63	2.35	2.15	2.05	2.29	2.45	3.17	3.44	3.49	4.01	3.96
MIN	2.33	1.97	2.07	1.96	1.83	1.92	1.65	1.19	2.37	2.95	3.10	3.01

WTR YR 1990 MEAN 2.51 MAX 4.01 AUG 14 MIN 1.19 MAY 23

DADE COUNTY

WELL NUMBER.--253029080295601. Local Number S 196A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°30'29", long 80°29'56", in SW¼SE¼ sec.35, T.56 S., R.38 E., Hydrologic Unit 03090202, at University of Florida Experiment Station on Waldin Drive, 3.3 mi northwest of Homestead, and 4.3 mi west of U.S. Highway 1.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 20 ft.

INSTRUMENTATION.--Satellite Data Collection Platform. Prior to Feb. 2, 1990 digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of nail in recorder shelf, 2.96 ft above land-surface datum.

REMARKS.--Water levels estimated Feb. 2-5, Mar. 4-5, May 30-31, July 17-18, and Sept. 13-21, 1990 water year.

PERIOD OF RECORD.--January 1932 to current year. Records of water levels prior to January 1956 were published under well number S 196.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.63 ft NGVD, Aug. 18, 1981; lowest, 1.64 ft below NGVD, May 20, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.39	3.07	2.92	2.57	2.55	2.75	2.49	2.20	3.86	3.89	4.34	4.20
10	3.41	2.86	2.75	2.58	2.56	2.75	2.63	1.93	3.69	3.80	4.39	3.87
15	3.63	2.73	2.65	2.53	2.50	2.59	2.59	1.77	3.33	3.96	4.41	3.83
20	3.47	2.60	2.70	2.42	2.45	2.78	2.30	1.54	3.02	3.83	4.29	3.84
25	3.25	2.50	2.52	2.46	2.55	2.68	2.09	1.97	3.22	3.90	4.18	3.86
EOM	3.01	3.03	2.61	2.40	2.55	2.30	2.30	3.68	3.94	3.82	5.10	4.34
MEAN	3.38	2.81	2.72	2.51	2.52	2.70	2.37	2.14	3.49	3.87	4.30	3.99
MAX	3.66	3.08	3.03	2.60	2.58	4.36	2.67	3.70	3.96	3.96	5.10	4.88
MIN	3.01	2.50	2.49	2.40	2.45	2.30	1.95	1.40	2.89	3.74	3.81	3.69
WTR YR 1990	MEAN	3.07	MAX	5.10	AUG 31	MIN	1.40	MAY 23				

WELL NUMBER.--253233080301001. Local Number G 1363. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°32'33", long 80°30'10", in SW¼NE¼ sec.23, T.56 S., R.38 E., Hydrologic Unit 03090202, on Albury Drive, 1.5 mi west of State Highway 27, and 5.4 mi northwest of Homestead.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft, cased to 12 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.66 ft above land-surface datum.

REMARKS.--Water levels estimated May 17-23, May 30 - June 29 and Sept. 5-27, 1990 water year.

PERIOD OF RECORD.--November 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.67	3.36	3.25	2.73	2.78	2.85	2.64	2.30	4.15	4.00	4.64	4.61
10	3.61	3.20	3.03	2.77	2.72	2.90	2.63	2.07	3.90	4.04	4.34	4.28
15	3.95	3.04	2.86	2.73	2.67	2.76	2.72	1.90	3.50	4.10	4.66	4.21
20	3.84	2.86	2.88	2.63	2.62	2.85	2.48	1.75	3.12	4.05	4.59	4.19
25	3.65	2.70	2.70	2.67	2.69	2.90	2.26	1.87	3.29	4.06	4.45	4.13
EOM	3.40	3.33	2.79	2.69	2.73	2.51	2.22	4.00	3.99	4.03	5.01	4.96
MEAN	3.71	3.11	2.95	2.72	2.70	2.81	2.50	2.22	3.66	4.04	4.52	4.36
MAX	3.95	3.36	3.33	2.79	2.78	2.98	2.74	4.00	4.20	4.10	5.01	5.02
MIN	3.40	2.70	2.64	2.63	2.62	2.51	2.10	1.65	2.97	3.97	4.00	3.96
WTR YR 1990	MEAN	3.28	MAX	5.02	SEP 1	MIN	1.65	MAY 24				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

161

DADE COUNTY

WELL NUMBER.--253258080264301. Local Number G 614. USGS Observation Well at Goulds, FL.

LOCATION.--Lat 25°32'58", long 80°26'43", in NW¼NW¼ sec.21, T.56 S., R.39 E., Hydrologic Unit 03090202, at southeast corner of Newton Road and Silver Palm Drive in Goulds, and 3.0 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 11.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.05 ft above land-surface datum.

REMARKS.--Water levels estimated Feb. 19-22, 1990 water year.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.04 ft NGVD, Aug. 18, 1981; lowest, 0.62 ft below NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.02	2.71	2.64	2.28	2.23	2.31	2.22	1.95	3.37	3.34	3.81	4.16
10	3.07	2.61	2.54	2.26	2.18	2.36	2.26	1.81	3.45	3.32	3.97	3.66
15	3.23	2.54	2.40	2.24	2.14	2.25	2.32	1.72	3.16	3.37	4.43	3.42
20	3.18	2.38	2.39	2.14	2.12	2.25	2.13	1.51	2.82	3.35	4.09	3.44
25	2.98	2.25	2.12	2.14	2.11	2.38	1.98	1.61	2.78	3.42	4.09	3.47
EOM	2.79	2.63	2.30	2.20	2.13	2.14	1.91	3.13	3.21	3.49	4.48	4.19
MEAN	3.06	2.54	2.44	2.21	2.16	2.28	2.14	1.90	3.13	3.36	4.11	3.71
MAX	3.23	2.75	2.64	2.30	2.23	2.38	2.32	3.13	3.47	3.49	4.66	4.46
MIN	2.79	2.25	2.12	2.12	2.09	2.14	1.86	1.38	2.73	3.23	3.55	3.38
WTR YR 1990	MEAN	2.76	MAX	4.66	AUG 29	MIN	1.38	MAY 23				

WELL NUMBER.--253400080340401. Local Number G 3437. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°34'00", Long 80°34'04", in SE¼SW¼ sec.7, T.56 S., R.38 E., Hydrologic Unit 03090202, 1.5 mi west of Levee 31, 0.2 mi north of S.W. 216th Ave. and 10 mi northwest of Homestead. Owner: U.S. Geological Survey.

AQUIFER.--Biscayne limestone Aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Elevation of land-surface datum is 6.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 1.00 ft above land-surface datum.

REMARKS.--Water levels estimated Nov. 1-26, and June 1 - July 1, 1990 water year.

PERIOD OF RECORD.--October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.23 ft NGVD, Aug. 16, 17, 1988; lowest, 1.54 ft NGVD, May 23, 1990

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.29	4.61	3.89	3.09	3.08	3.18	3.00	2.48	4.82	3.91	4.03	5.14
10	5.03	4.27	3.56	3.10	2.94	3.11	3.38	2.13	4.25	3.96	4.15	5.01
15	4.72	3.93	3.36	2.98	2.88	2.92	3.10	1.92	3.84	3.93	4.77	4.77
20	4.68	3.63	3.37	2.98	2.86	4.63	2.69	1.68	3.45	3.71	5.29	4.90
25	4.32	3.42	3.19	3.02	3.09	3.34	2.40	2.66	4.30	3.81	6.13	4.57
EOM	3.94	4.14	3.11	3.02	3.06	2.94	2.86	5.41	4.29	3.54	5.61	5.91
MEAN	4.47	4.05	3.47	3.02	2.97	3.25	2.88	2.57	4.24	3.92	4.86	5.05
MAX	5.05	4.68	4.11	3.10	3.10	4.65	3.38	5.51	5.29	4.55	6.13	6.36
MIN	3.94	3.42	3.11	2.92	2.85	2.77	2.27	1.54	3.30	3.54	3.51	4.45
WTR YR 1990	MEAN	3.73	MAX	6.36	SEP 29	MIN	1.54	MAY 23				

WELL DESCRIPTIONS AND LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--253537080284401. Local Number G 757A. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°35'37", long 80°28'44", in NE¼NE¼ sec.1, T.56 S., R.38 E., Hydrologic Unit 03090202, at southwest corner of Eureka Drive and Krome Avenue, and 8.7 mi north of Homestead.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 122 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 33 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Water levels estimated Feb. 22-28, Mar. 1-28, June 28-29 and July 13-30, 1990 water year.

PERIOD OF RECORD.--January 1956 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.60 ft NGVD, Sept. 10, 1960; lowest, 0.00 ft NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.89	3.59	3.54	2.98	3.14	3.01	2.98	2.47	4.14	4.04	4.73	4.74
10	3.88	3.49	3.34	3.06	3.00	3.01	2.90	2.34	4.06	4.14	4.42	4.43
15	4.21	3.35	3.16	2.96	2.95	2.95	2.92	2.20	3.78	4.13	4.83	4.23
20	4.10	3.12	3.16	2.92	2.91	2.97	2.74	2.02	3.44	4.11	4.94	4.15
25	3.95	2.91	2.93	3.05	2.91	3.03	2.54	1.93	3.46	4.09	4.91	4.20
EOM	3.71	3.54	3.00	3.11	2.96	2.94	2.49	3.77	3.97	4.15	5.08	5.18
MEAN	3.98	3.35	3.22	3.00	3.00	2.98	2.78	2.39	3.79	4.11	4.75	4.45
MAX	4.22	3.65	3.57	3.11	3.14	3.04	2.99	3.77	4.16	4.20	5.19	5.18
MIN	3.71	2.91	2.90	2.89	2.90	2.86	2.43	1.87	3.32	3.97	4.13	4.15
WTR YR 1990	MEAN	3.49	MAX	5.19	AUG 26 AND OTHERS	MIN	1.87	MAY 24				

WELL NUMBER.--253549080214101. Local Number S 182A. USGS Observation Well near Peters, FL.

LOCATION.--Lat 25°35'49", long 80°21'41", in NW¼NW¼ sec.5, T.56 S., R.40 E., Hydrologic Unit 03090202, north of Quail Roost Drive, 0.4 mi west of U.S. Highway 1, 0.5 mi west of Peters, and 16.4 mi southwest of Miami.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 51 ft.

REVISIONS.--WDR FL-84-2B: 1983.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 11.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.39 ft above land-surface datum.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.70 ft NGVD, Sept. 10, 1960; lowest, 0.44 ft below NGVD, June 21, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.49	2.34	2.34	2.10	2.11	2.03	2.48	2.31	2.87	2.76	2.71	3.26
10	2.58	2.46	2.23	2.04	2.03	1.96	2.58	2.31	2.73	2.65	3.23	3.12
15	2.47	2.35	2.22	1.96	1.98	1.90	2.72	2.16	2.60	2.74	3.56	2.95
20	2.37	2.23	2.43	1.90	1.93	2.24	2.63	1.96	2.58	2.69	3.49	3.10
25	2.48	2.43	2.24	2.11	1.91	2.25	2.55	2.05	2.56	2.62	3.48	2.95
EOM	2.35	2.51	2.15	2.18	1.89	2.37	2.44	2.76	2.65	2.90	3.38	2.97
MEAN	2.48	2.38	2.27	2.05	2.00	2.08	2.54	2.27	2.67	2.73	3.27	3.10
MAX	2.62	2.84	2.44	2.18	2.14	2.37	2.72	2.84	2.87	3.20	3.68	3.35
MIN	2.35	2.13	2.15	1.89	1.89	1.87	2.33	1.89	2.54	2.55	2.71	2.86
WTR YR 1990	MEAN	2.49	MAX	3.68	AUG 12 AND OTHERS	MIN	1.87	MAR 17				

DADE COUNTY

WELL NUMBER.--263630080264801. Local Number G 1362. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°36'30", long 80°26'48", in NW¼NW¼ 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 State Highway 27, and 5 mi west of Perrine.

AQUIFER.--Biscayne limestone aquifer of 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.-- Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 11.23 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 4-12, 1990 water year.

PERIOD OF RECORD.--November 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.35 ft NGVD, estimated, Aug. 18, 1981; lowest, 0.29 ft NGVD, May 15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.66	3.42	3.45	2.86	2.99	2.89	3.11	2.56	3.93	3.82	4.47	4.86
10	3.50	3.31	3.27	2.89	2.91	2.90	3.04	2.48	3.96	3.93	4.39	4.49
15	3.95	3.21	3.10	2.87	2.86	2.84	3.09	2.36	3.76	3.98	4.97	4.26
20	3.92	3.04	3.05	2.79	2.80	2.95	2.97	2.19	3.45	3.94	5.13	4.16
25	3.81	2.86	2.95	2.94	2.81	3.09	2.79	2.02	3.29	3.98	5.54	4.20
EOM	3.60	3.42	2.91	2.98	2.83	2.98	2.61	3.56	3.68	3.98	5.09	4.88
MEAN	3.75	3.22	3.15	2.89	2.88	2.93	2.96	2.46	3.67	3.92	4.83	4.46
MAX	3.95	3.56	3.47	2.99	3.00	3.10	3.11	3.56	3.99	4.02	5.58	5.09
MIN	3.50	2.86	2.83	2.79	2.78	2.77	2.61	2.02	3.27	3.72	3.96	4.14
WTR YR 1990	MEAN	3.43	MAX	5.58	AUG 26	MIN	2.02	MAY 25				

WELL NUMBER.--252656080350301. Local Number G 1502. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°36'56", long 80°35'03", in NE¼SW¼ sec.25, T.55 S., R.37 E., Hydrologic Unit 03090202, in Grossman Hammock, and 11.5 mi northwest of Homestead.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 31 ft, cased to 11 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft above land-surface datum.

PERIOD OF RECORD.--May 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.89 ft NGVD, Aug. 18, 1981; lowest, 0.49 ft NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.84	5.23	4.46	3.53	3.25	3.40	3.76	3.39	5.89	5.92	5.97	6.17
10	5.48	4.82	4.24	3.52	3.22	3.35	4.17	2.85	5.40	5.99	5.77	5.96
15	5.36	4.42	4.00	3.42	3.10	3.15	3.96	2.61	4.90	5.80	6.09	5.64
20	5.44	4.13	3.94	3.29	3.09	4.26	3.64	2.30	4.37	5.52	6.43	5.55
25	5.00	3.86	3.92	3.25	3.45	4.07	3.21	3.28	6.10	5.34	6.28	5.47
EOM	4.55	4.63	3.67	3.25	3.46	3.97	3.81	6.29	6.14	5.39	6.31	6.03
MEAN	5.09	4.57	4.10	3.40	3.23	3.61	3.74	3.42	5.45	5.72	6.10	5.81
MAX	5.57	5.29	4.63	3.64	3.46	4.28	4.26	6.30	6.31	6.06	6.50	6.31
MIN	4.55	3.86	3.67	3.25	3.06	3.12	3.02	2.14	4.21	5.34	5.28	5.38
WTR YR 1990	MEAN	4.53	MAX	6.50	AUG 18	MIN	2.14	MAY 23				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--253718080192301. Local Number G 860. USGS Observation Well near Perrine, FL.

LOCATION.--Lat 25°37'18", long 80°19'23", in SW¼NE¼ sec.27, T.55 S., R.40 E., Hydrologic Unit 03090202, at Kahn Road and Southwest 160th Street, 1.2 mi east of U.S. 1, 1.7 mi northeast of Perrine, and 13 mi southwest of Miami.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

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.--Water levels estimated Feb. 18-27, 1990 water year.

PERIOD OF RECORD.--March 1959 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.42	2.50	2.45	2.05	1.94	1.83	2.47	2.43	3.01	3.25	2.93	3.30
10	3.04	2.63	2.33	1.98	1.85	1.84	3.53	2.34	2.87	2.89	3.53	3.40
15	2.91	2.44	2.24	1.92	1.81	1.75	3.46	2.19	2.67	3.15	3.42	3.21
20	3.05	2.26	2.25	1.86	1.70	2.07	3.12	1.97	2.55	3.03	3.43	3.41
25	2.79	2.22	2.25	2.09	1.68	2.10	2.82	1.98	2.75	2.92	3.42	3.20
EOM	2.63	2.57	2.15	1.98	1.70	2.33	2.62	3.21	3.25	2.88	3.40	3.42
MEAN	2.79	2.45	2.30	2.00	1.81	1.93	2.95	2.36	2.87	3.03	3.33	3.32
MAX	3.08	2.63	2.56	2.12	1.99	2.33	3.78	3.24	3.31	3.41	3.76	3.52
MIN	2.36	2.14	2.15	1.84	1.66	1.69	2.38	1.85	2.51	2.79	2.88	3.05
WTR YR 1990	MEAN	2.60	MAX	3.78	APR 11	MIN	1.66	FEB 23				

WELL NUMBER.--253748080343401. Local Number G 3273. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°37'48", long 80°34'34", in NE¼SE¼ Sec.24 T.55 S., R.37 E., Hydrologic Unit 03090202, on the west side of SW 237 Avenue, 1.5 mi north of SW 168th Street (Richmond Drive) and 12.5 mi north of Homestead.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 7.5 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 3.25 ft above land-surface datum.

PERIOD OF RECORD.--March 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.47 ft NGVD, Aug. 20, 1988; lowest, 2.07 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.77	5.07	4.37	3.52	3.25	3.41	3.75	3.40	5.85	5.83	5.95	6.02
10	5.54	4.71	4.15	3.49	3.17	3.34	4.17	2.85	5.37	5.90	5.72	5.82
15	5.27	4.34	3.97	3.35	3.10	3.14	3.92	2.54	4.87	5.70	6.15	5.54
20	5.40	4.06	3.90	3.23	3.30	4.17	3.59	2.24	4.31	5.42	6.31	5.66
25	4.95	3.80	3.90	3.24	3.57	4.05	3.16	3.13	5.09	5.26	6.20	5.45
EOM	4.52	4.59	3.66	3.22	3.51	4.26	4.21	6.29	5.96	5.38	6.27	6.02
MEAN	5.03	4.50	4.06	3.37	3.26	3.60	3.76	3.42	5.33	5.61	6.05	5.75
MAX	5.57	5.22	4.59	3.62	3.57	4.26	4.25	6.46	6.24	5.90	6.34	6.26
MIN	4.52	3.80	3.66	3.22	3.05	3.07	2.99	2.07	4.16	5.21	5.15	5.35
WTR YR 1990	MEAN	4.48	MAX	6.46	MAY 27	MIN	2.07	MAY 23				

DADE COUNTY

WELL NUMBER.--253937080304001. Local Number G 596. USGS Observation Well near Homestead, FL.

LOCATION.--Lat 25°38'15", long 80°30'45", in SW¼SW¼ sec.14, T.55 S., R.38 E., Hydrologic Unit 03090202, on north side of Howard Drive, 2 mi west of Krome Avenue, and 15.5 mi north of Homestead.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 13 ft, cased to 11 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum 7.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.31 ft above land-surface datum. Prior to Oct. 1, 1978 land-surface datum was considered to be 7.70 ft NGVD. See PERIOD OF RECORD. M.P. was considered to be 10.59 from Oct. 1, 1978 to Nov. 21, 1986. New well was drilled on Nov. 21, 1986

PERIOD OF RECORD.--January 1949 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1978 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.30 ft NGVD, Nov. 2, 1960; lowest, 0.56 ft NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.15	3.99	3.98	3.57	3.79	3.97	4.07	2.96	4.82	4.78	5.18	5.08
10	4.68	3.81	3.74	3.59	3.66	3.84	3.77	2.79	4.55	5.12	5.25	4.89
15	4.67	3.66	3.65	3.49	3.68	3.66	3.68	2.58	4.18	4.88	5.50	4.92
20	4.86	3.46	3.67	3.59	3.65	4.33	3.42	2.30	3.76	4.70	5.77	5.00
25	4.36	3.33	3.63	3.77	4.00	4.58	3.18	2.75	4.10	4.78	5.50	4.96
EOM	4.04	4.16	3.49	3.76	3.99	4.20	3.19	5.27	4.88	4.53	5.54	6.04
MEAN	4.44	3.77	3.74	3.61	3.76	4.07	3.62	3.17	4.45	4.93	5.45	5.07
MAX	5.08	4.16	4.16	3.80	4.02	4.64	4.39	6.05	5.20	6.33	6.71	6.71
MIN	4.04	3.33	3.49	3.45	3.65	3.62	2.95	2.21	3.66	4.53	4.41	4.79
WTR YR 1990	MEAN	4.18	MAX	6.71	AUG 18 AND OTHERS			MIN	2.21	MAY 23		

WELL NUMBER.--253854080242801. Local Number G 858. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°38'54", long 80°24'28", in SE¼NE¼ sec.15, T.55 S., R.39 E., Hydrologic Unit 03090202, at Lindgren Road and Southwest 128th Street, 6.0 mi west of U.S. Highway 1, and 18 mi southwest of Miami.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Water levels estimated Nov. 27 - Dec. 1, Apr. 1-7, May 27 - June 13, 1990 water year.

PERIOD OF RECORD.--January 1959 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.47 ft NGVD, Sept. 10, 1960; lowest, 0.80 ft NGVD, May 15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.28	3.13	3.19	2.61	2.64	2.46	2.70	2.71	3.91	3.56	3.82	4.68
10	3.31	2.99	3.04	2.57	2.58	2.47	2.66	2.65	3.75	3.61	4.24	4.42
15	3.47	2.89	2.89	2.50	2.51	2.44	3.29	2.52	3.57	3.77	5.22	4.19
20	3.51	2.75	2.80	2.46	2.46	2.61	3.02	2.34	3.35	3.70	5.19	4.17
25	3.44	2.81	2.73	2.62	2.46	2.76	3.84	2.26	3.28	3.79	5.33	4.19
EOM	3.28	3.27	2.66	2.63	2.45	3.45	2.86	4.10	3.50	3.71	4.86	4.43
MEAN	3.38	2.97	2.92	2.58	2.54	2.60	2.96	2.82	3.59	3.76	4.66	4.40
MAX	3.51	3.27	3.26	2.86	2.64	3.45	3.84	4.31	4.08	4.42	5.33	5.08
MIN	3.20	2.63	2.66	2.46	2.45	2.40	2.45	2.25	3.26	3.50	3.70	4.12
WTR YR 1990	MEAN	3.27	MAX	5.33	AUG 25 AND OTHERS			MIN	2.25	MAY 22		

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--253902080202501. Local Number G 553. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°39'02", long 80°20'19", in NE¼SE¼ sec.16, T.53 S., R.40 E., Hydrologic Unit 03090202, on the south side of S.W. 128th Street, 0.5 mi west of U.S. Highway 1, 2.5 mi south of S.W. 88th street, and 13 mi southwest of Miami.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 24 to 18 in., depth 91 ft, cased to 79 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 12.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft above land-surface datum.

PERIOD OF RECORD.--January 1947 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 11.06 ft NGVD, Oct. 5, 1948; lowest, 0.81 ft NGVD, May 14-15, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.02	2.96	2.85	2.40	2.26	2.08	2.75	2.89	3.74	3.75	3.72	4.08
10	3.46	2.92	2.74	2.34	2.20	2.09	3.41	2.82	3.63	3.52	4.38	4.19
15	3.38	2.76	2.65	2.27	2.14	2.09	3.80	2.61	3.38	3.70	4.54	3.94
20	3.45	2.59	2.58	2.20	2.12	2.65	3.55	2.41	3.36	3.69	4.40	4.17
25	3.33	2.62	2.57	2.25	2.12	2.46	3.26	2.37	3.46	3.73	4.25	3.94
EOM	3.13	2.87	2.49	2.26	2.07	2.73	3.14	3.86	3.94	3.57	4.21	4.12
MEAN	3.29	2.80	2.67	2.31	2.17	2.27	3.27	2.83	3.58	3.69	4.20	4.09
MAX	3.51	3.09	2.87	2.48	2.28	2.73	3.80	3.86	3.95	3.91	4.71	4.47
MIN	2.96	2.49	2.49	2.18	2.07	2.07	2.71	2.30	3.19	3.52	3.54	3.80
WTR YR 1990	MEAN	3.10	MAX	4.71	AUG 12	MIN	2.07	FEB 27	AND OTHERS			

WELL NUMBER.--254000080181001. Local Number G 580. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'00", long 80°18'10", in SE¼NW¼ 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 U.S. Highway 1, and 10.5 mi southwest of Miami.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 22 ft, cased to 4 ft.

INSTRUMENTATION.--Satellite Data Collection Platform. Prior to Apr. 20, 1990 digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

REMARKS.--Water levels estimated Apr. 17-20 1990 water year.

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, 0.71 ft NGVD, May 5, 6, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.41	2.47	2.22	1.91	1.80	1.54	2.14	2.35	3.03	3.04	2.64	3.01
10	2.93	2.42	2.15	1.83	1.71	1.73	3.82	2.19	2.78	2.91	3.00	3.04
15	3.00	2.35	2.06	1.79	1.70	1.55	3.44	2.16	2.57	3.15	3.25	3.00
20	3.01	2.11	2.02	1.74	1.57	1.69	3.16	1.93	2.40	3.08	3.08	3.30
25	2.77	1.95	2.04	1.79	1.55	1.76	2.99	1.89	2.70	2.86	3.07	3.20
EOM	2.61	2.24	2.00	1.80	1.52	1.92	2.54	3.35	3.19	2.64	3.04	3.50
MEAN	2.76	2.29	2.10	1.82	1.67	1.68	2.91	2.33	2.79	2.96	2.98	3.12
MAX	3.08	2.59	2.25	1.97	1.83	1.92	3.82	3.36	3.30	3.16	3.33	3.50
MIN	2.35	1.95	2.00	1.71	1.50	1.49	2.03	1.79	2.39	2.64	2.64	3.00
WTR YR 1990	MEAN	2.45	MAX	3.82	APR 10	AND OTHERS	MIN	1.49	MAR 18			

DADE COUNTY

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 NW¼NE¼ sec.30, T.55 S., R.36 E., Hydrologic Unit 03090202, at look-out tower in Everglades National Park, 7.5 mi south of U.S. Highway 41, and 37 mi southwest of Miami.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 16 ft, cased to 6 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.02 ft above land-surface datum.

REMARKS.--Water levels estimated Feb. 1-14, 1990 water year.

PERIOD OF RECORD.--January 1950 to September 1980, November 1982 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.88 ft NGVD, Nov. 16, 1982; lowest, 1.86 ft NGVD, May 30, 1965.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.84	5.87	5.86	5.72	5.07	4.94	3.74	3.63	5.85	5.97	5.99	6.13
10	6.01	5.90	5.83	5.67	4.92	4.74	4.33	3.31	5.94	5.95	6.06	6.06
15	5.94	5.91	5.82	5.61	4.63	4.44	4.13	3.07	5.74	5.93	6.26	6.10
20	5.86	5.90	5.81	5.50	5.08	4.53	3.82	2.80	5.60	5.91	6.15	5.99
25	5.79	5.88	5.80	5.37	5.24	4.18	3.72	5.70	5.80	6.01	6.17	5.93
EOM	5.79	5.90	5.75	5.19	5.06	3.90	3.85	5.83	5.84	6.08	6.23	5.92
MEAN	5.87	5.90	5.82	5.54	4.96	4.50	3.90	3.89	5.79	5.99	6.13	6.05
MAX	6.01	6.05	5.89	5.74	5.29	5.01	4.33	5.99	5.94	6.24	6.37	6.22
MIN	5.79	5.79	5.75	5.19	4.43	3.90	3.57	2.64	5.58	5.83	5.97	5.89

WTR YR 1990 MEAN 5.36 MAX 6.37 AUG 14 MIN 2.64 MAY 23

WELL NUMBER.--254038080280201. Local Number G 855. USGS Observation Well near Kendall, FL.

LOCATION.--Lat 25°40'38", long 80°28'02", in SE¼NE¼ sec.6, T.55 S., R.39 E., Hydrologic Unit 03090202, 0.75 mi east of Krome Avenue, 0.4 mi south of North Kendall Drive, and 9.2 mi west of Kendall.

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

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

REVISED RECORDS.--WDR FL-85-2B: 1977, 1979.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.90 ft above National Geodetic Vertical Datum of 1929. Prior to October 1978, land-surface datum was considered to be 7.41 ft NGVD. See PERIOD OF RECORD. Measuring point: Top of base, 1.62 ft above land-surface datum.

PERIOD OF RECORD.--January 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1978 are in error. Revised records are in files of the Geological Survey. SEE DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.00 ft NGVD estimated, Aug. 18, 1981; lowest, 1.00 ft NGVD, present datum, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.74	3.49	3.61	3.07	3.21	3.21	3.60	2.81	4.13	4.14	4.15	4.84
10	3.99	3.36	3.39	3.09	3.13	3.19	3.58	2.80	4.03	4.02	4.72	4.55
15	4.11	3.25	3.24	3.02	3.08	3.06	3.50	2.58	3.78	4.14	5.37	4.42
20	4.08	3.08	3.23	3.00	3.04	3.23	3.33	2.35	3.48	4.04	5.30	4.54
25	3.86	2.95	3.18	3.18	3.17	3.55	3.12	2.44	3.66	4.17	5.18	4.53
EOM	3.66	3.82	3.11	3.20	3.21	3.47	2.90	4.29	4.14	3.96	5.03	5.31
MEAN	3.90	3.37	3.33	3.09	3.13	3.27	3.38	2.93	3.90	4.10	4.90	4.66
MAX	4.15	3.82	3.79	3.20	3.21	3.56	3.63	4.66	4.27	4.30	5.91	5.58
MIN	3.66	2.95	3.11	2.98	3.03	3.03	2.90	2.22	3.44	3.96	3.87	4.38

WTR YR 1990 MEAN 3.67 MAX 5.91 AUG 12 MIN 2.22 MAY 23

DADE COUNTY

WELL NUMBER.--254054080295401. Local Number G 1487. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°40'54", long 80°29'54", in SE¼SE¼ sec.35, T.54 S., R.38 E., Hydrologic Unit 03090202, west of levee on west side of L 31 N canal, 11.3 mi south of U.S. Highway 41, 3.5 mi north of Howard Drive, and 1 mi west of Krome Avenue near Miami, FL.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 2.34 ft above land-surface datum.

PERIOD OF RECORD.--April 1970 to May 1976, June 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.86 ft NGVD, Sept. 9, 1972; lowest, 1.59 ft NGVD, May 7, 8, 1975.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.53	4.33	4.39	4.02	4.32	4.53	4.55	3.36	5.09	5.07	5.18	5.39
10	5.02	4.15	4.14	4.04	4.19	4.41	4.31	3.26	4.88	5.05	5.31	5.33
15	5.01	4.03	4.08	3.92	4.23	4.24	4.13	3.08	4.53	5.07	5.75	5.36
20	4.95	3.82	4.13	4.09	4.19	5.02	3.93	2.82	4.13	5.04	5.78	5.37
25	4.67	3.75	4.05	4.23	4.54	5.19	3.78	3.16	4.55	5.00	5.70	5.43
EOM	4.40	4.59	3.90	4.29	4.53	4.93	3.58	5.45	5.07	4.79	5.62	6.14
MEAN	4.74	4.17	4.15	4.08	4.30	4.66	4.12	3.56	4.78	5.06	5.49	5.49
MAX	5.15	4.78	4.59	4.31	4.58	5.24	5.01	5.72	5.40	5.32	5.97	6.49
MIN	4.40	3.74	3.90	3.89	4.17	4.19	3.44	2.74	4.08	4.79	4.69	5.27

WTR YR 1990 MEAN 4.55 MAX 6.49 SEP 28 MIN 2.74 MAY 22 AND OTHERS

WELL NUMBER.--254130080234501. Local Number G 551. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'08", long 80°23'45", in NW¼SW¼ sec.36, T.54 S., R.39 E., Hydrologic Unit 03090202, 15 ft north of supply well number 18 in the southwest Wellfield of the Miami-Dade Water and Sewer Authority, 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 Pleistocene Age, Geologic Unit 112 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 24 to 18 in., depth 80 ft, cased to 71 ft, slotted 29 to 71 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.22 ft, above land-surface datum.

REMARKS.--Water levels affected by pumping in the Southwest Wellfield.

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, 0.96 ft below NGVD, June 24-25, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.17	.56	.69	.27	.03	-0.26	.44	.53	1.72	1.15	1.51	2.10
10	1.07	.45	.80	.27	.02	-0.23	.94	.23	1.63	1.20	1.76	1.88
15	1.06	.27	.79	.44	-0.22	-0.43	1.21	.30	1.28	1.15	2.43	1.84
20	1.18	.18	.60	.16	-0.36	-0.32	1.14	-0.17	.95	1.72	2.31	1.91
25	1.21	-0.06	2.03	.04	-0.31	-0.19	.82	.20	1.08	1.56	2.52	2.00
EOM	.74	.92	.52	-0.07	-0.35	-0.05	.77	1.97	1.17	1.32	2.34	2.00
MEAN	1.09	.41	.86	.16	-0.13	-0.26	.85	.41	1.33	1.36	2.07	1.97
MAX	1.41	.92	2.03	.55	.19	-0.05	1.33	1.97	1.97	1.80	2.56	2.26
MIN	.74	-0.06	.52	-0.18	-0.36	-0.45	.15	-0.31	.86	1.13	1.31	1.70

WTR YR 1990 MEAN .85 MAX 2.56 AUG 26 AND OTHERS MIN -0.45 MAR 16

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

169

DADE COUNTY

WELL NUMBER.--254157080214001. Local Number G 3073. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'57", long 80°21'40", in NW¼NW¼ sec.32, T.54 S., R.40 E., Hydrologic Unit 03090202, on the north side of Snapper Creek Canal, 0.25 mi southeast of the intersection at S.W. 107 Avenue and Sunset Drive, and 4.6 mi west of South Miami.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 3.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of aluminum base, 4.79 ft above land-surface datum.

PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.15 ft NGVD, Aug. 18, 1981; lowest, 0.53 ft below NGVD, Feb. 6, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.01	2.57	2.51	2.19	2.11	1.85	2.41	2.38	3.28	3.13	3.04	3.36
10	3.31	2.36	2.45	2.13	2.04	1.81	3.24	2.35	3.18	3.05	3.35	3.27
15	3.26	2.26	2.44	2.09	1.96	1.90	3.09	2.23	2.96	3.25	3.13	3.23
20	3.22	2.04	2.38	2.04	1.90	1.94	2.91	1.95	2.69	3.27	3.30	3.30
25	2.98	2.04	1.41	2.09	1.89	1.95	2.74	1.96	3.04	3.07	3.44	3.18
EOM	2.75	2.57	2.26	2.12	1.87	2.24	2.57	3.09	3.05	3.01	3.46	3.60
MEAN	3.08	2.34	2.38	2.12	1.98	1.89	2.77	2.39	3.05	3.13	3.29	3.29
MAX	3.40	2.72	2.58	2.24	2.13	2.24	3.25	3.47	3.54	3.28	3.73	3.70
MIN	2.75	1.92	1.41	2.04	1.86	1.73	2.23	1.89	2.67	2.97	2.93	3.10

WTR YR 1990 MEAN 2.65 MAX 3.73 AUG 13 MIN 1.41 DEC 25

WELL NUMBER.--254157080214002. Local Number G 3074. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°41'57", long 80°21'40", in NW¼NW¼ 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 at S.W. 107 Avenue and Sunset Drive, and 4.6 mi west of South Miami.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 40 ft, cased to 40 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 3.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.67 ft above land-surface datum.

REMARKS.--Water levels estimated Nov. 27 - Dec. 28, 1990 water year.

PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.39 ft NGVD, Sept. 26, 1981; lowest, 3.78 ft below NGVD, May 8, 1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.96	2.48	2.22	2.08	2.01	1.80	2.34	2.32	3.26	3.10	3.02	3.32
10	3.24	2.03	2.16	2.03	1.94	1.80	3.31	2.25	3.16	3.01	3.32	3.24
15	3.21	1.86	2.15	1.98	1.87	1.74	3.07	2.17	2.94	3.23	3.22	2.91
20	3.16	1.48	2.09	1.94	1.83	1.81	2.91	1.89	2.64	3.25	3.22	3.27
25	2.90	1.74	1.12	1.98	1.80	1.84	2.73	1.54	2.99	3.04	3.37	2.79
EOM	2.66	2.28	2.11	2.02	1.79	2.10	2.53	3.10	3.01	3.01	3.42	3.60
MEAN	3.00	2.08	2.11	2.01	1.89	1.81	2.75	2.33	3.04	3.11	3.22	3.15
MAX	3.33	2.66	2.29	2.11	2.02	2.10	3.32	3.58	3.71	3.28	3.72	3.78
MIN	2.44	1.22	1.12	1.94	1.77	1.70	2.14	1.54	2.52	2.93	2.75	2.73

WTR YR 1990 MEAN 2.54 MAX 3.78 SEP 29 MIN 1.12 DEC 25

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--254215080201503. Local Number G 1074B. USGS Observation Well at South Miami, FL.

LOCATION.--Lat 25°42'15", long 80°20'15", in SE¼SE¼ sec.28, T.54 S., R.40 E., Hydrologic Unit 03090202, in the Alexander Orr wellfield of the Miami-Dade Water and Sewer Authority 0.15 mi west of Galloway Road and 0.20 mi north of Sunset Drive.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 39.0 ft, cased to 17 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of metal 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, 3.91 ft NGVD, Oct. 1-2, 1987; lowest, 9.38 ft below NGVD, Apr. 24, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-4.27	-6.80	-7.52	-8.57	-6.73	-7.46	-6.51	-5.13	-5.05	-3.98	-7.26	-6.42
10	-6.07	-7.39	-8.01	-8.70	-7.41	-7.35	-5.77	-5.12	-5.72	-4.27	-7.00	-6.15
15	-6.46	-7.82	-8.48	-8.85	-7.47	-6.81	-4.78	-5.33	-5.92	-6.43	-5.93	-6.36
20	-3.66	-7.91	-8.36	-8.75	-7.56	-6.92	-4.39	-5.28	-6.01	-6.61	-6.43	-6.43
25	-5.29	-7.69	-8.09	-7.99	-6.86	-7.23	-4.64	-0.13	-4.79	-6.79	-5.90	-5.08
EOM	-5.46	-8.12	-8.54	-7.72	-6.94	-6.55	-4.93	-3.77	-3.45	-6.94	-5.83	-4.23
MEAN	-5.29	-7.46	-8.09	-8.44	-7.25	-7.12	-5.32	-4.56	-5.11	-5.68	-6.46	-5.70
MAX	-3.59	-5.35	-7.28	-7.72	-6.31	-6.27	-4.38	-0.13	-3.45	-3.50	-5.83	-4.23
MIN	-6.52	-8.12	-8.56	-8.85	-7.72	-7.52	-6.55	-5.41	-6.13	-6.97	-7.26	-6.63

WTR YR 1990 MEAN -6.37 MAX -0.13 MAY 25 MIN -8.85 JAN 15

WELL NUMBER.--254217080171801. Local Number F 319. USGS Observation Well at South Miami, FL.

LOCATION.--Lat 25°42'17", long 80°17'18", in SE¼SE¼ sec.25, T.54 S., R.40 E., Hydrologic Unit 03090202, in parking lot on west side of North 1st Street, north of Sunset Drive in South Miami, and 0.1 mi south of U.S. Highway 1.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft cased to 13 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

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.--Water levels estimated Oct. 1-3, May 25 - July 24, Aug. 7-31, 1990 water year.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.86 ft NGVD, Oct. 11, 1947; lowest, 0.47 ft NGVD, May 17, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.26	2.24	1.79	1.63	1.50	1.62	1.90	1.95	2.50	2.14	2.14	2.34
10	2.81	2.16	1.81	1.53	1.47	1.66	4.18	2.29	2.11	1.85	2.06	2.43
15	2.66	2.00	1.76	1.54	1.49	1.58	3.01	1.91	2.00	1.84	2.12	2.43
20	2.52	1.81	1.71	1.52	1.33	1.70	2.57	1.73	1.81	1.74	2.28	2.65
25	2.39	1.70	1.65	1.50	1.43	1.57	2.43	1.98	2.30	2.30	2.37	2.54
EOM	2.36	1.80	1.68	1.54	1.52	1.88	2.20	2.99	2.37	2.32	2.42	3.16
MEAN	2.49	2.00	1.75	1.55	1.46	1.63	2.57	2.10	2.27	1.99	2.23	2.52
MAX	2.97	2.36	1.83	1.67	1.62	1.88	4.20	3.06	2.90	2.34	2.42	3.21
MIN	2.20	1.70	1.65	1.50	1.30	1.55	1.84	1.63	1.76	1.72	2.04	2.28

WTR YR 1990 MEAN 2.05 MAX 4.20 APR 9 MIN 1.30 FEB 21

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

171

DADE COUNTY

WELL NUMBER.--254421080260201. Local Number G 3439. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°44'21", Long 80°26'02", in SE¼NE¼ sec.16, T.54 S., R.39 E., Hydrologic Unit 03090202, on north side of SW 30th St., 500 ft west of SW 147th Ave, 0.75 mi north of Bird Dr. 15 mi west of Miami. Owner: U.S. Geological Survey.

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Elevation of land-surface datum is 5.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.10 ft above land-surface datum.

REMARKS.--Water levels estimated Dec. 30 - Jan. 20, June 29 - July 2 and Sept. 16-30, 1990 water year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.08 ft NGVD, Aug. 21-22, 1988; lowest, 2.15 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.69	3.30	3.38	2.79	2.99	2.98	3.60	2.71	4.36	3.80	3.81	4.14
10	4.67	3.17	3.18	2.85	2.93	2.96	3.45	2.63	3.90	3.71	4.51	4.05
15	4.07	3.08	3.02	2.77	2.89	2.89	3.38	2.50	3.71	3.87	4.59	4.00
20	4.01	2.88	2.94	2.79	2.87	3.13	3.22	2.28	3.65	3.95	4.75	4.11
25	3.70	2.91	2.90	2.90	3.04	3.30	3.04	2.67	4.14	3.84	4.55	4.18
EOM	3.46	3.71	2.80	2.96	3.01	3.65	2.85	4.68	3.84	3.50	4.42	5.03
MEAN	3.93	3.25	3.08	2.83	2.95	3.05	3.30	2.93	3.91	3.83	4.37	4.20
MAX	4.67	4.31	3.63	2.96	3.04	3.65	3.81	5.10	4.49	4.21	4.78	5.11
MIN	3.46	2.81	2.80	2.75	2.85	2.88	2.85	2.15	3.41	3.50	3.45	3.98

WTR YR 1990 MEAN 3.47 MAX 5.11 SEP 29 MIN 2.15 MAY 23

WELL NUMBER.--254444080144801. Local Number F 179. USGS Observation Well near South Miami, FL.

LOCATION.--Lat 25°44'44", long 80°14'48", in SE¼NW¼ sec.16, T.54 S., R.41 E., Hydrologic Unit 03090202, at northwest corner of Southwest 24th Terrace and 32nd Avenue, 0.5 mi north of U.S. Highway 1, and 3.8 mi northeast of South Miami.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 77 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 2.49 ft above land-surface datum.

PERIOD OF RECORD.--January 1939 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.21 ft NGVD, Oct. 14, 1947; lowest, 0.69 ft NGVD, Mar. 18, 1943.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.08	2.13	1.69	1.44	1.28	1.60	2.10	2.08	2.77	2.41	2.30	2.18
10	2.48	2.25	1.71	1.35	1.26	1.66	5.31	2.61	2.38	2.12	2.33	2.33
15	2.32	2.04	1.59	1.42	1.33	1.66	3.25	2.25	2.27	2.11	2.39	2.26
20	2.05	1.81	1.54	1.40	1.12	1.66	2.66	2.01	2.08	2.01	2.62	2.87
25	1.99	1.74	1.47	1.35	1.27	1.63	2.51	2.25	2.57	2.01	2.60	2.59
EOM	2.19	1.81	1.56	1.41	1.43	1.95	2.36	3.26	2.64	2.19	2.35	2.64
MEAN	2.16	1.99	1.62	1.40	1.27	1.67	2.86	2.36	2.52	2.15	2.44	2.47
MAX	2.50	2.25	1.75	1.55	1.43	1.95	5.57	3.33	3.17	2.58	2.64	2.92
MIN	1.88	1.74	1.47	1.31	1.07	1.53	1.93	1.93	2.03	1.94	2.30	2.18

WTR YR 1990 MEAN 2.08 MAX 5.57 APR 9 MIN 1.07 FEB 21

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--254500080360001. Local Number G 618. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°45'40", long 80°36'00", in NE¼NE¼ sec.12, T.54 S., R.37 E., Hydrologic Unit 03090202, on south side of U.S. Highway 41, 6.1 mi west of Krome Avenue, and 25 mi west of Miami.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 11 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.75 ft above land-surface datum.

REMARKS.--Water levels estimated Sept. 13-30, 1990 water year.

PERIOD OF RECORD.--January 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.52 ft NGVD, Nov. 2, 1960; lowest, 2.56 ft NGVD, May 2, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.20	6.42	6.15	5.48	4.74	4.50	4.83	4.30	5.91	6.12	6.36	6.55
10	6.37	6.40	6.04	5.32	4.60	4.37	4.90	3.92	5.88	6.10	6.30	6.52
15	6.43	6.36	5.95	5.24	4.48	4.21	4.61	3.72	5.81	6.23	6.34	6.55
20	6.43	6.29	5.89	5.06	4.38	4.49	4.41	3.38	5.82	6.23	6.38	6.47
25	6.43	6.19	5.79	4.90	4.65	4.41	4.45	4.05	5.96	6.21	6.48	6.50
EOB	6.42	6.22	5.61	4.85	4.54	4.69	4.68	5.96	5.90	6.13	6.55	6.51
MEAN	6.36	6.33	5.94	5.18	4.58	4.40	4.61	4.23	5.89	6.17	6.39	6.51
MAX	6.48	6.42	6.21	5.58	4.83	4.69	4.90	6.04	6.03	6.23	6.55	6.58
MIN	6.14	6.19	5.61	4.79	4.38	4.15	4.21	3.22	5.67	5.86	6.08	6.46

WTR YR 1990 MEAN 5.55 MAX 6.58 SEP 14 MIN 3.22 MAY 23

WELL NUMBER.--254741080162101. Local Number G 3328. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°47'41", long 80°16'21", in SE¼SE¼ 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 and 0.5 mi west of Lejeune Road.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 53 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.75 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top of plywood base, 1.50 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 1-3, and Sept. 7-30, 1990 water year.

PERIOD OF RECORD.--January 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.83 ft NGVD, May 29, 1984; lowest 1.32 ft NGVD, Feb. 21, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.26	2.12	1.93	1.59	1.47	1.56	2.04	1.98	2.47	2.47	2.21	2.45
10	2.31	2.08	1.89	1.55	1.46	1.63	3.13	2.14	2.30	2.29	2.39	2.88
15	2.35	1.93	1.79	1.56	1.45	1.57	2.59	1.97	2.22	2.29	2.55	2.47
20	2.25	1.79	1.72	1.52	1.34	1.62	2.44	1.77	2.14	2.25	2.73	2.42
25	2.17	1.73	1.74	1.54	1.41	1.60	2.33	2.23	2.84	2.22	3.13	2.50
EOB	2.24	1.98	1.66	1.55	1.48	1.76	2.14	2.84	2.54	2.17	2.56	2.58
MEAN	2.26	1.97	1.81	1.55	1.44	1.60	2.37	2.14	2.42	2.30	2.56	2.56
MAX	2.35	2.22	1.98	1.65	1.54	1.76	3.13	3.07	2.97	2.57	3.13	3.10
MIN	2.11	1.73	1.66	1.48	1.32	1.52	1.83	1.69	2.10	2.16	2.16	2.36

WTR YR 1990 MEAN 2.09 MAX 3.13 APR 9 AND OTHERS MIN 1.32 FEB 21

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

173

DADE COUNTY

WELL NUMBER.--254752080181501. Local Number G 3329. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°47'52", long 80°18'15", in SW¼SW¼ 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 and 0.5 mi east of Milam Dairy Road.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 53 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

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, 5.33 ft NGVD, May 29, 1984; lowest, 1.77 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.00	2.63	2.59	2.23	2.12	1.99	2.54	2.53	3.19	3.35	2.99	3.21
10	3.39	2.52	2.51	2.20	2.06	2.00	3.90	2.73	3.05	3.15	3.23	3.26
15	3.10	2.42	2.45	2.15	2.01	1.94	3.25	2.49	2.93	3.21	3.50	3.13
20	2.96	2.33	2.39	2.11	1.98	2.07	3.10	2.27	2.77	3.13	3.75	3.13
25	2.86	2.25	2.38	2.14	2.01	2.01	2.89	2.75	3.92	3.00	4.72	3.13
ECM	2.72	2.63	2.25	2.12	1.95	2.23	2.71	3.66	3.47	2.89	3.50	3.34
MEAN	2.99	2.48	2.45	2.17	2.04	2.00	2.96	2.74	3.22	3.18	3.54	3.21
MAX	3.42	2.70	2.63	2.25	2.14	2.23	3.93	4.29	4.30	3.82	4.72	3.41
MIN	2.72	2.25	2.25	2.10	1.94	1.92	2.29	2.17	2.73	2.89	2.91	3.05

WTR YR 1990 MEAN 2.75 MAX 4.72 AUG 25 MIN 1.92 MAR 17 AND OTHERS

WELL NUMBER.--254823080163701. Local Number G 3327. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°48'23", long 80°16'37", in NW¼NE¼ sec.30, T.53 S., R.41 E., Hydrologic Unit 03090202, in the Pan Am International Flight Academy parking lot, 0.2 mi south of NW 36th Street and 1.3 mi west of Lejeune Road.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 54 ft, cased to 53 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood 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, 4.91 ft NGVD, July 23, 1985; lowest, 1.22 ft NGVD, Feb. 18, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.20	1.99	1.81	1.49	1.37	1.53	1.91	1.93	2.53	2.50	2.06	2.50
10	2.37	1.97	1.74	1.46	1.38	1.59	3.21	2.24	2.28	2.29	2.43	2.73
15	2.28	1.85	1.66	1.50	1.35	1.57	2.70	1.95	2.16	2.25	2.59	2.38
20	2.06	1.69	1.60	1.43	1.25	1.59	2.46	1.77	2.05	2.20	2.81	2.37
25	2.03	1.65	1.60	1.45	1.34	1.57	2.30	2.38	3.19	2.09	3.81	2.41
ECM	2.11	1.87	1.55	1.49	1.68	1.74	2.08	2.91	2.62	2.00	2.73	2.58
MEAN	2.17	1.86	1.69	1.47	1.36	1.57	2.35	2.15	2.44	2.26	2.66	2.53
MAX	2.37	2.10	1.86	1.54	1.68	1.74	3.30	3.19	3.22	2.75	3.81	3.27
MIN	1.98	1.65	1.55	1.38	1.22	1.48	1.76	1.74	2.01	2.00	2.00	2.34

WTR YR 1990 MEAN 2.05 MAX 3.81 AUG 25 MIN 1.22 FEB 18

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--254823080175201. Local Number G 3465. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°48'23", long 80°17'52", in SE¼NW¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, located next to the parking lot of USDA, 600 ft south of NW 36th Street on NW 36th Avenue.

AQUIFER.--Biscayne limestone aquifer of 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. Prior to May 5, 1990 digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelf, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated May 3-5, 1990 water year.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.50 ft NGVD, Aug. 25, 1990; lowest, 1.51 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.71	2.27	2.31	1.90	1.82	1.73	2.19	2.28	3.02	3.14	2.70	3.07
10	2.93	2.19	2.24	1.90	1.79	1.75	3.63	2.49	2.85	2.87	3.01	3.17
15	2.78	2.09	2.18	1.87	1.74	1.73	3.05	2.31	2.67	2.96	3.30	2.90
20	2.61	2.05	2.13	1.84	1.67	1.80	2.93	2.08	2.46	2.90	3.70	2.88
25	2.47	1.98	1.96	1.81	1.68	1.78	2.61	2.61	3.49	2.78	4.50	2.93
EOB	2.35	2.32	1.86	1.81	1.68	1.90	2.43	3.50	3.28	2.58	3.42	3.09
MEAN	2.64	2.16	2.13	1.86	1.74	1.75	2.73	2.52	2.96	2.92	3.34	3.01
MAX	3.00	2.33	2.32	1.90	1.83	1.90	3.63	3.82	3.88	3.38	4.50	3.30
MIN	2.35	1.98	1.78	1.81	1.59	1.67	1.97	1.99	2.43	2.58	2.55	2.83
WTR YR 1990	MEAN	2.48	MAX	4.50	AUG 25	MIN	1.59	FEB 23				

WELL NUMBER.--254832080175001. Local Number S 19. USGS Observation Well at Virginia Gardens, FL.

LOCATION.--Lat 25°48'32", long 80°17'50", in NW¼NE¼ sec.25, T.53 S., R.40 E., Hydrologic Unit 03090202, at intersection of Northwest 62 Avenue and 39th Street in Virginia Gardens, and 6.8 mi west of Miami.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 95 ft, cased to 91 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.08 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in the Hialeah-Miami Springs Wellfield.

PERIOD OF RECORD.--January 1939 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.63 ft NGVD, Oct. 11, 1947; lowest, 1.41 ft below NGVD, June 18-21, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.60	2.17	2.25	1.90	1.82	1.74	2.16	2.27	2.96	3.10	2.67	3.03
10	2.81	2.11	2.18	1.89	1.78	1.76	3.64	2.48	2.78	2.82	2.98	3.15
15	2.69	2.06	2.13	1.86	1.73	1.72	2.98	2.28	2.63	2.91	3.30	2.84
20	2.50	2.03	2.09	1.83	1.66	1.82	2.84	2.05	2.43	2.85	3.66	2.83
25	2.38	1.97	1.81	1.81	1.67	1.78	2.66	2.63	3.48	2.72	4.49	2.88
EOB	2.25	2.29	1.86	1.82	1.66	1.92	2.46	3.49	3.28	2.54	3.45	3.04
MEAN	2.54	2.11	2.08	1.85	1.73	1.76	2.70	2.51	2.92	2.87	3.32	2.97
MAX	2.87	2.29	2.29	1.91	1.84	1.92	3.64	3.84	3.84	3.36	4.49	3.32
MIN	2.25	1.97	1.66	1.81	1.57	1.68	1.98	1.98	2.40	2.54	2.53	2.77
WTR YR 1990	MEAN	2.45	MAX	4.49	AUG 25	MIN	1.57	FEB 23				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

175

DADE COUNTY

WELL NUMBER.--254834080171601. Local Number G 3466. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°48'34", long 80°17'16", in SW¼SW¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, located .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 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.--Digital water-level recorder -- 60-minute punch.

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, 4.42 ft NGVD, Aug. 20, 1989; lowest, 1.03 ft NGVD, Dec. 22, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.24	1.83	1.93	1.58	1.53	1.54	1.90	2.06	2.85	2.93	2.39	2.88
10	2.29	1.78	1.88	1.58	1.47	1.55	3.54	2.28	2.60	2.64	2.82	3.14
15	2.28	1.79	1.82	1.57	1.39	1.56	2.81	2.14	2.43	2.71	3.17	2.66
20	2.10	1.77	1.77	1.55	1.34	1.61	2.67	1.88	2.22	2.60	3.44	2.62
25	1.98	1.71	1.60	1.50	1.35	1.58	2.45	2.53	3.37	2.51	4.38	2.74
EOB	1.89	1.99	1.51	1.54	1.39	1.70	2.26	3.37	3.12	2.30	3.33	2.89
MEAN	2.15	1.81	1.77	1.55	1.42	1.56	2.51	2.35	2.75	2.67	3.15	2.85
MAX	2.38	1.99	1.98	1.59	1.57	1.70	3.54	3.72	3.62	3.20	4.38	3.62
MIN	1.89	1.71	1.35	1.49	1.25	1.43	1.75	1.83	2.18	2.30	2.28	2.55
WTR YR 1990	MEAN	2.21	MAX	4.38	AUG 25	MIN	1.25	FEB 23				

WELL NUMBER.--254839080162301. Local Number G 3467. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°48'39", long 80°16'23", in SW¼SW¼ sec.20, T.53 S., R.41 E., Hydrologic Unit 03090202, East Drive Park .10 mi south of Labaron Drive on East Drive. Located on east side of street next to the park parking lot.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 2.98 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, 3.97 ft NGVD, Aug. 25, 1990; lowest, 1.13 ft NGVD, Feb. 18, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.13	1.90	1.73	1.41	1.28	1.46	1.80	1.85	2.51	2.46	2.01	2.46
10	2.29	1.88	1.69	1.38	1.29	1.51	3.11	2.18	2.23	2.25	2.38	2.67
15	2.21	1.76	1.60	1.43	1.24	1.49	2.63	1.91	2.09	2.21	2.58	2.33
20	2.02	1.64	1.55	1.35	1.18	1.51	2.41	1.73	2.00	2.13	2.74	2.30
25	1.95	1.59	1.53	1.36	1.25	1.49	2.23	2.35	3.06	2.04	3.97	2.36
EOB	2.01	1.77	1.44	1.41	1.32	1.64	2.03	2.88	2.60	1.94	2.70	2.51
MEAN	2.09	1.78	1.61	1.39	1.27	1.49	2.27	2.10	2.38	2.21	2.63	2.48
MAX	2.30	2.00	1.76	1.44	1.40	1.64	3.16	3.13	3.09	2.65	3.97	3.42
MIN	1.91	1.59	1.43	1.31	1.13	1.38	1.68	1.70	1.95	1.94	1.94	2.25
WTR YR 1990	MEAN	1.98	MAX	3.97	AUG 25	MIN	1.13	FEB 18				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--254857080171101. Local Number S 68. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°48'57", long 80°17'11", in SW¼NW¼ sec.19, T.53 S., R.41 E., Hydrologic Unit 03090202, in center median of Curtis Parkway, 75 ft northeast of Deer Run in Miami Springs, and 6.4 mi northwest of Miami.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 61 ft, cased to 51 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

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 in the Hialeah-Miami Springs Wellfield.

PERIOD OF RECORD.--January 1940 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.06 ft NGVD, Oct. 12, 1947; lowest, 4.39 ft below NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.14	1.69	1.92	1.57	1.53	1.58	1.92	2.05	2.89	2.93	2.44	2.94
10	2.19	1.65	1.88	1.57	1.49	1.58	3.28	2.30	2.65	2.74	2.95	3.17
15	2.19	1.78	1.81	1.57	1.34	1.62	2.80	2.17	2.48	2.78	3.21	2.70
20	1.99	1.76	1.75	1.55	1.34	1.67	2.68	1.94	2.25	2.65	3.44	2.69
25	1.84	1.70	1.26	1.51	1.38	1.64	2.46	2.65	3.22	2.55	4.31	2.77
EOM	1.75	1.98	1.47	1.57	1.42	1.71	2.27	3.36	3.14	2.36	3.41	2.92
MEAN	2.04	1.74	1.73	1.55	1.43	1.61	2.48	2.37	2.77	2.72	3.17	2.90
MAX	2.28	1.98	1.98	1.60	1.58	1.71	3.28	3.67	3.54	3.10	4.31	3.77
MIN	1.75	1.62	1.07	1.50	1.24	1.45	1.76	1.91	2.23	2.36	2.35	2.61

WTR YR 1990 MEAN 2.21 MAX 4.31 AUG 25 MIN 1.07 DEC 26

WELL NUMBER.--254830080284201. Local Number G 1488. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°49'07", long 80°28'57", in SW¼SW¼ sec.19, T.53 S., R.39 E., Hydrologic Unit 03090202, 20 ft east of Krome Avenue, 4 mi north of U.S. Highway 41, and 13.0 mi west of Miami.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Water levels estimated Apr. 16-25, 1990 water year.

PERIOD OF RECORD.--May 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.51 ft NGVD, Aug. 22, 1981; lowest, 2.74 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.94	5.23	5.28	4.35	4.40	4.29	4.91	3.43	5.41	5.33	4.59	5.92
10	6.06	5.20	5.03	4.31	4.18	4.15	4.57	3.53	5.08	4.80	4.92	5.85
15	6.07	5.01	4.82	4.20	4.13	3.99	4.24	3.14	4.67	4.89	5.18	5.79
20	5.95	4.82	4.69	4.16	4.09	4.68	4.03	2.87	4.21	5.07	5.76	5.72
25	5.74	4.63	4.64	4.23	4.40	4.38	3.80	3.63	5.03	4.98	5.93	5.74
EOM	5.41	5.51	4.43	4.49	4.29	4.70	3.69	5.62	4.69	4.55	5.97	5.89
MEAN	5.88	5.11	4.88	4.27	4.25	4.28	4.24	3.66	4.90	4.98	5.35	5.82
MAX	6.07	5.52	5.47	4.49	4.51	4.70	5.22	5.76	5.71	5.39	5.98	5.96
MIN	5.41	4.63	4.43	4.15	4.08	3.96	3.63	2.74	4.14	4.55	4.43	5.67

WTR YR 1990 MEAN 4.80 MAX 6.07 OCT 14 AND OTHERS MIN 2.74 MAY 23

DADE COUNTY

WELL NUMBER.--255023080202301. Local Number G 976. USGS Observation Well near Miami Springs, FL.

LOCATION.--Lat 25°49'18", long 80°25'33", in SW¼NE¼ sec.22, T.53 S., R.39 E., Hydrologic Unit 03090202, 0.75 mi southwest of the Northwest well field, 1.50 mi east of the Dade/Broward Levee, 4.25 mi north of U.S. Highway 41, and 7.0 mi west of Miami Springs. (Revised).

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.32 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.00 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in the Northwest Wellfield. Water levels estimated July 2-25 and Aug. 16-23, 1990 water year.

PERIOD OF RECORD.--January 1959 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.72 ft NGVD, Sept. 10, 30, 1960; lowest, 0.61 ft NGVD, June 20-24, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.12	2.22	2.29	1.48	1.51	1.45	2.19	1.46	3.63	2.78	2.18	3.42
10	3.89	2.01	2.02	1.44	1.43	1.43	2.54	1.34	2.97	2.70	2.36	3.03
15	3.39	1.89	1.81	1.36	1.53	1.23	2.48	1.13	2.47	2.62	2.72	3.00
20	3.19	1.62	1.69	1.34	1.43	1.50	2.25	.88	2.09	2.56	2.87	2.77
25	2.85	1.43	2.09	1.44	1.55	1.40	1.96	1.18	2.20	2.49	3.11	3.35
EOM	2.49	2.75	1.64	1.48	1.51	1.69	1.71	3.90	2.49	2.24	3.20	3.77
MEAN	3.12	2.11	1.96	1.43	1.49	1.40	2.17	1.65	2.77	2.59	2.75	3.21
MAX	3.89	3.88	2.65	1.60	1.70	1.69	2.54	4.28	4.37	2.87	3.52	3.99
MIN	2.49	1.43	1.63	1.34	1.38	1.16	1.70	.72	1.95	2.24	2.18	2.77
WTR YR 1990	MEAN	2.22	MAX	4.37	JUN 1	MIN	.72	MAY 23				

WELL NUMBER.--254943080121501. Local Number F 45. USGS Observation Well at Miami, FL.

LOCATION.--Lat 25°49'43", long 80°12'15", in NE¼SW¼ sec.13, T.53 S., R.41 E., Hydrologic Unit 03090202, at corner of NW 58th Street and 5th Avenue in Miami, and 1.3 mi west of U.S. Highway 1.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of lip of recorder shelf, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1939 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.13	1.96	1.84	1.59	1.44	1.56	1.72	2.13	2.79	2.72	1.81	2.78
10	2.34	2.00	1.75	1.53	1.38	1.60	3.37	2.66	2.39	2.43	2.46	2.48
15	2.22	1.92	1.69	1.50	1.41	1.53	3.94	2.36	2.39	2.25	2.42	2.26
20	2.12	1.83	1.62	1.47	1.32	1.59	3.20	2.09	2.13	2.08	2.49	2.51
25	2.10	1.76	1.67	1.43	1.39	1.52	2.73	2.44	3.50	1.96	3.42	2.52
EOM	2.02	2.05	1.54	1.46	1.41	1.60	2.38	3.27	3.28	1.88	3.39	2.84
MEAN	2.14	1.93	1.71	1.50	1.39	1.55	2.72	2.39	2.73	2.28	2.57	2.57
MAX	2.36	2.05	2.01	1.59	1.45	1.61	4.04	3.27	3.79	3.14	3.62	3.22
MIN	1.98	1.76	1.50	1.42	1.32	1.49	1.61	2.02	2.05	1.88	1.81	2.24
WTR YR 1990	MEAN	2.13	MAX	4.04	APR 16	MIN	1.32	FEB 20				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--254950080171202. Local Number G 1368A. USGS Observation Well at Hialeah, FL.

LOCATION.--Lat 25°49'50", long 80°17'12", in SW¼NW¼ sec.18, T.53 S., R.41 E., Hydrologic Unit 03090202, near main building and shop of Miami Preston Water Plant in Hialeah, and 0.3 mi east of N.W. 57th Avenue.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in Preston Wellfield.

PERIOD OF RECORD.--April 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.75 ft NGVD, July 23, 1985; lowest, 14.01 ft below NGVD, Apr. 28, 29, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.55	.90	.97	.65	.65	1.62	.93	1.03	2.94	2.89	2.53	2.99
10	1.64	.91	.91	1.41	.60	1.55	1.77	1.30	2.70	2.81	3.06	3.10
15	1.48	.88	.89	.68	-0.77	1.67	1.93	1.23	2.52	2.88	3.19	2.72
20	1.28	.86	.81	.65	.39	1.71	1.73	1.98	2.21	2.72	3.31	2.72
25	1.06	.81	-3.10	.62	.45	1.66	1.50	2.67	3.00	2.59	4.00	2.77
EOM	.96	1.03	.45	1.57	.46	1.67	1.29	3.18	2.62	2.41	3.40	2.91
MEAN	1.37	.95	.57	.76	.36	1.51	1.56	1.78	2.73	2.74	3.17	2.90
MAX	1.89	1.43	1.18	1.57	1.03	1.71	1.98	3.33	3.29	2.94	4.15	3.71
MIN	.96	.81	-3.10	.54	-1.49	.63	.67	.95	2.21	2.41	2.46	2.61

WTR YR 1990 MEAN 1.71 MAX 4.15 AUG 24 MIN -3.10 DEC 25

WELL NUMBER.--254950080180801. Local Number G 3. USGS Observation Well at Miami Springs, FL.

LOCATION.--Lat 25°49'50", long 80°18'08", in NE¼SW¼ sec.13, T.53 S., R.40 E., Hydrologic Unit 03090202, at northwest corner of Hammond Drive and Ibis Avenue in Miami Springs and 0.30 mi east of FEC borrow pit.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder base, 3.00 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in the Hialeah-Miami Springs Wellfield.

PERIOD OF RECORD.--February 1940 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.12	1.64	2.07	1.74	1.73	1.63	1.96	2.17	2.79	2.79	2.58	2.94
10	2.28	1.58	2.05	1.78	1.70	1.63	2.94	2.03	2.66	2.72	2.82	2.97
15	2.35	1.68	1.99	1.78	1.64	1.62	2.75	2.08	2.54	2.80	3.11	2.74
20	2.10	1.82	1.96	1.74	1.51	1.64	2.72	2.00	2.37	2.73	3.51	2.71
25	1.68	1.81	1.92	1.72	1.49	1.67	2.46	2.25	2.68	2.64	4.05	2.77
EOM	1.70	2.07	1.63	1.71	1.53	1.64	2.29	3.08	3.13	2.51	3.39	2.77
MEAN	2.05	1.74	1.95	1.74	1.62	1.63	2.46	2.29	2.72	2.73	3.13	2.85
MAX	2.53	2.07	2.07	1.78	1.73	1.67	2.96	3.33	3.38	2.99	4.05	3.28
MIN	1.68	1.56	1.63	1.65	1.46	1.54	1.73	1.94	2.32	2.51	2.48	2.69

WTR YR 1990 MEAN 2.25 MAX 4.05 AUG 24 AND OTHERS MIN 1.46 FEB 24

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

179

DADE COUNTY

WELL NUMBER.--255008080161801. Local Number F 239. USGS Observation Well at Hialeah, FL.

LOCATION.--Lat 25°50'08", long 80°16'18", in NW¼NW¼ sec.17, T.53 S., R.41 E., Hydrologic Unit 03090202, 20 ft north of East 15th Street, 50 ft east of 5th Avenue in Hialeah, and 1.3 mi east of N.W. 57th Avenue.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 52.8 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping in the Preston Wellfield.

PERIOD OF RECORD.--January 1969 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORDS.--Highest daily maximum water level, 4.89 ft NGVD, May 31, 1984; lowest, 1.44 ft below NGVD, Apr. 23, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.89	1.45	1.36	1.09	1.03	1.15	1.40	1.63	2.51	2.44	1.95	2.57
10	1.93	1.46	1.31	1.09	.98	1.14	2.50	1.94	2.24	2.28	2.41	2.60
15	1.92	1.38	1.26	1.09	.80	1.18	2.62	1.85	2.03	2.28	2.74	2.23
20	1.73	1.31	1.23	1.07	.87	1.22	2.44	1.61	1.81	2.11	2.77	2.17
25	1.58	1.25	1.14	1.03	.94	1.19	2.09	2.27	2.34	2.00	3.40	2.28
ECM	1.49	1.43	1.03	1.08	.94	1.26	1.83	2.83	2.69	1.82	3.04	2.36
MEAN	1.77	1.39	1.23	1.07	.94	1.16	2.06	1.95	2.28	2.20	2.60	2.40
MAX	2.02	1.49	1.43	1.12	1.08	1.26	2.72	2.86	2.83	2.58	3.40	2.93
MIN	1.49	1.25	.90	1.00	.78	.99	1.30	1.52	1.76	1.82	1.89	2.10
WTR YR 1990	MEAN	1.76	MAX	3.40	AUG 25	AND OTHERS	MIN	.78	FEB 16			

WELL NUMBER.--255026080240302. Local Number G 3259A. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'26", long 80°24'03", in SW¼SW¼ sec.12, T.53 S., R.39 E., Hydrologic Unit 03090202, on north side of NW 74 Street Extension, 0.8 mi west of Snapper Creek Canal Extension, 1.0 mi east of the Northwest Wellfield of the Miami-Dade Water and Sewer Authority, and 1.0 mi north of NW 58th Street.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 55 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 4.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base: 2.91 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping in the Northwest Wellfield.

PERIOD OF RECORD.--May 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.08 ft NGVD, June 10, 1983; lowest, 1.57 ft below NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.08	1.28	1.08	.36	.23	.12	.62	.78	2.48	1.60	.75	2.13
10	2.57	1.00	.85	.30	.20	.15	1.74	.50	1.86	1.40	.96	1.82
15	2.39	.71	.65	.21	.51	-0.16	1.98	.40	1.39	1.37	1.55	1.79
20	2.08	.38	.55	.18	.16	-0.09	1.76	.05	1.15	1.53	1.82	1.47
25	1.81	.18	1.09	.17	.29	-0.10	1.46	.14	1.34	1.29	2.10	2.01
ECM	1.56	1.50	.51	.27	.29	-0.05	1.22	2.29	1.51	.92	2.07	2.26
MEAN	2.06	.96	.84	.26	.25	-0.02	1.32	.74	1.69	1.39	1.52	1.91
MAX	2.57	1.85	1.45	.45	.51	.28	1.99	2.56	2.90	1.70	2.50	2.39
MIN	1.56	.18	.51	.17	.12	-0.23	.07	-0.18	.99	.92	.75	1.47
WTR YR 1990	MEAN	1.08	MAX	2.90	JUN 1	MIN	-0.23	MAR 18				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--255027080221602. Local Number G 3264A. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'27", long 80°22'16", in SE¼SE¼ sec.7, T.53 S., R.40 E., Hydrologic Unit 03090202, on the north side of NW 74th Street Extension, west of FPL right-of-way and 1.0 mi east of Snapper Creek Canal Extension.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 50 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 4.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of plywood base, 2.00 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 1-5, Oct. 8-13 and Nov. 3-15, 1990 water year.

PERIOD OF RECORD.--June 1983 to May 1984 (quarterly), June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.60 ft NGVD, July 25, 1988; lowest, 0.89 ft NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.94	2.34	2.25	1.89	1.67	1.52	1.77	2.04	2.97	3.09	2.86	3.71
10	3.42	2.23	2.13	1.81	1.57	1.46	3.12	2.37	2.77	2.89	3.59	3.11
15	3.16	2.09	2.00	1.71	1.50	1.37	3.39	1.86	2.49	3.12	3.51	3.03
20	2.89	1.87	1.97	1.65	1.50	1.68	2.78	1.63	2.54	2.85	3.44	3.07
25	2.69	1.75	1.94	1.66	1.60	1.39	2.52	2.56	3.35	2.70	3.93	3.14
EOM	2.46	2.53	1.89	1.65	1.47	2.20	2.38	3.25	2.98	2.41	3.72	3.42
MEAN	2.93	2.24	2.08	1.74	1.58	1.48	2.47	2.23	2.81	2.86	3.41	3.27
MAX	3.42	3.61	2.46	1.89	1.83	2.20	3.40	3.84	3.37	3.17	3.93	3.71
MIN	2.46	1.75	1.89	1.62	1.47	1.34	1.67	1.52	2.32	2.41	2.59	2.89
WTR YR 1990	MEAN	2.43	MAX	3.93	AUG 24 AND OTHERS			MIN	1.34	MAR 17		

WELL NUMBER.--255027080245501. Local Number G 3253. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°50'27", long 80°24'55", in SW¼SW¼ sec.11, T.53 S., R.39 E., Hydrologic Unit 03090202, in the Northwest Wellfield of the Miami-Dade Water and Sewer Authority, 500 ft east of supply well 8, on the south side of the wellfield road, 1.8 mi west of the Snapper Creek Canal Extension, and 1.0 mi north of N.W. 58th Street.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping in the Northwest Wellfield. Water levels estimated Dec. 28 - Jan. 25, Feb. 16 - Mar. 30 and May 23-24, 1990 water year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.61 ft NGVD, Oct. 5-9, 1982; lowest, 4.75 ft below NGVD, June 4, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-0.09	-1.12	-1.52	-1.18	-1.96	-1.58	-1.16	-1.74	.04	-1.40	-2.54	-1.68
10	-0.04	-1.37	-1.73	-1.21	-2.04	-1.65	.25	-2.53	-1.18	-1.70	-2.65	-1.20
15	-0.03	-2.14	-1.73	-1.32	-0.60	-2.19	-0.04	-2.41	-1.72	-1.09	-2.10	-1.62
20	-0.41	-2.45	-1.82	-1.57	-1.38	-2.58	-0.47	-3.30	-1.99	-1.19	-1.73	-2.02
25	-0.74	-3.45	-0.56	-1.63	-1.29	-2.59	-0.62	-2.29	-1.20	-1.84	-1.73	-1.50
EOM	-0.86	-1.37	-0.99	-2.46	-1.32	-3.15	-1.06	-0.25	-1.03	-2.51	-1.59	-1.06
MEAN	-0.38	-1.79	-1.47	-1.43	-1.51	-2.18	-0.79	-1.94	-1.10	-1.55	-2.11	-1.57
MAX	.11	-0.92	-0.36	-1.03	-0.52	-1.38	.26	.36	.81	-0.39	-1.45	-0.51
MIN	-0.93	-3.45	-1.97	-2.46	-2.15	-3.15	-2.78	-3.44	-2.53	-2.51	-2.71	-2.02
WTR YR 1990	MEAN	-1.49	MAX	.81	JUN 1	MIN	-3.45	NOV 25				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

181

DADE COUNTY

WELL NUMBER.--255207080241301. Local Number G 974. USGS Observation Well near Pennsuco, FL.

LOCATION.--Lat 25°52'07", long 80°24'13", in NW¼NW¼ sec.1, T.52 S., R.39 E., Hydrologic Unit 03090202, 1.0 mi west of junction of Russian Colony Canal and Snapper Creek Canal Extension, and 3.0 mi southwest of Pennsuco.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 4.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping in the Northwest Wellfield. Water levels estimated Dec. 5-28 and Aug. 29 - Sept. 30, 1990 water year.

PERIOD OF RECORD.--January 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.60 ft NGVD, Sept. 25, and Nov. 22, 1959; lowest, 0.29 ft below NGVD, June 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.54	1.69	1.23	.95	.67	.61	.88	1.55	2.38	2.26	1.60	2.41
10	2.63	1.51	1.12	.88	.64	.53	1.52	1.44	2.31	2.13	1.62	2.33
15	2.49	1.33	1.08	.82	.61	.46	2.36	1.20	2.09	2.10	1.96	2.24
20	2.33	1.14	1.11	.72	.62	.56	2.14	.92	1.95	2.10	2.18	2.17
25	2.10	.92	1.12	.66	.62	.52	2.00	.97	1.99	2.06	2.49	2.46
EOM	1.86	1.23	1.04	.69	.57	.72	1.84	2.02	2.03	1.80	2.49	2.50
MEAN	2.35	1.36	1.13	.80	.63	.55	1.64	1.35	2.15	2.10	2.02	2.36
MAX	3.06	1.82	1.24	1.03	.69	.72	2.36	2.07	2.41	2.36	2.54	2.69
MIN	1.86	.92	1.04	.62	.57	.41	.74	.77	1.89	1.80	1.57	2.15
WTR YR 1990	MEAN	1.54	MAX	3.06	OCT 2	MIN	.41	MAR 17				

WELL NUMBER.--255208080274001. Local Number G 975. USGS Observation Well near Pennsuco, FL.

LOCATION.--Lat 25°52'08", long 80°27'40", in SW¼SE¼ 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 U.S. Highway 41.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.45 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.48	4.65	4.55	3.80	3.83	3.71	4.12	3.00	4.90	4.51	3.85	5.27
10	5.41	4.45	4.36	3.73	3.63	3.61	4.41	3.25	4.61	4.35	4.52	4.86
15	5.40	4.32	4.21	3.63	3.64	3.34	4.32	2.75	4.24	4.28	4.72	4.81
20	5.33	4.14	4.11	3.63	3.56	4.10	3.88	2.44	3.83	4.44	4.92	4.72
25	5.10	3.97	4.03	3.65	3.84	3.76	3.52	3.29	4.21	4.33	4.99	4.82
EOM	4.81	4.79	3.89	3.93	3.74	4.19	3.34	5.00	4.05	3.83	5.14	5.40
MEAN	5.28	4.45	4.26	3.72	3.73	3.69	3.95	3.20	4.35	4.30	4.62	4.95
MAX	5.50	4.88	4.74	3.93	3.97	4.19	4.41	5.06	5.07	4.55	5.18	5.40
MIN	4.81	3.97	3.89	3.61	3.56	3.26	3.34	2.30	3.74	3.83	3.70	4.66
WTR YR 1990	MEAN	4.21	MAX	5.50	OCT 2 AND OTHERS	MIN	2.30	MAY 23				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--255209080212801. Local Number G 973. USGS Observation Well near Medley, FL.

LOCATION.--Lat 25°52'09", long 80°21'28", in NE¼NE¼ 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 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 12-30, 1990 water year.

PERIOD OF RECORD.--April 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES OF PERIOD OF RECORD.--Highest daily maximum water level, 6.19 ft NGVD, July 25, 1958; lowest, 0.92 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.68	2.30	2.23	2.00	1.83	1.68	1.87	2.23	2.83	3.00	2.47	3.27
10	3.19	2.21	2.16	1.97	1.76	1.64	2.63	2.32	2.73	2.74	3.21	3.00
15	2.74	2.11	2.09	1.91	1.70	1.57	3.28	2.13	2.51	2.90	3.15	2.98
20	2.53	2.00	2.06	1.87	1.68	1.87	2.76	1.95	2.39	2.86	3.34	2.87
25	2.49	1.93	2.06	1.84	1.75	1.62	2.58	2.34	2.82	2.70	3.41	2.89
EOM	2.42	2.37	2.01	1.85	1.68	1.81	2.42	2.84	2.79	2.47	3.34	3.14
MEAN	2.68	2.19	2.13	1.91	1.75	1.65	2.46	2.28	2.68	2.79	3.08	3.05
MAX	3.19	2.42	2.36	2.01	1.86	1.88	3.28	3.16	2.86	3.00	3.52	3.28
MIN	2.42	1.93	2.01	1.81	1.66	1.54	1.80	1.87	2.37	2.47	2.44	2.79
WTR YR 1990	MEAN	2.39	MAX	3.52	AUG 28 AND OTHERS			MIN	1.54	MAR 17		

WELL NUMBER.--255250080270801. Local Number G 594. USGS Observation Well near Miami, FL.

LOCATION.--Lat 25°52'50", long 80°27'08", in NW¼NW¼ sec.33, T.52 S., R.39 E., Hydrologic Unit 03090202, on the Dade/Broward Levee 3.0 mi west of N.W. 117 Avenue on N.W. 41 Street, 4.75 mi north and 1.25 mi west along Pennsuko Canal.

AQUIFER.--Biscayne limestone aquifer of Pleistocene Age, Geologic Unit 122 BSCNN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 20 ft, cased to 13.9 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 11.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.00 ft above land-surface datum.

REMARKS.--Water levels estimated May 24 - July 25, 1990 water year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.27 ft NGVD, Aug. 20-22, 1988; lowest, 3.44 ft NGVD, May 21-22, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.28	5.68	5.43	4.87	5.08	5.05	5.27	4.17	6.03	5.06	5.24	6.26
10	6.27	5.49	5.33	4.80	4.85	4.76	5.58	4.27	5.68	5.17	5.76	6.19
15	6.31	5.38	5.22	4.76	4.91	4.38	5.30	3.86	5.30	5.27	5.99	6.19
20	6.20	5.23	5.15	4.90	4.78	4.93	4.96	3.48	4.92	5.37	6.14	6.02
25	6.03	5.07	5.08	4.98	5.19	4.97	4.70	3.97	4.84	5.50	6.28	5.99
EOM	5.82	5.65	4.89	5.24	5.12	5.36	4.49	5.76	4.95	5.14	6.40	6.37
MEAN	6.16	5.47	5.23	4.89	4.99	4.84	5.07	4.23	5.37	5.25	5.89	6.17
MAX	6.32	5.77	5.62	5.24	5.21	5.36	5.58	6.20	6.27	5.53	6.41	6.37
MIN	5.82	5.07	4.89	4.75	4.77	4.28	4.45	3.44	4.79	4.98	5.02	5.94
WTR YR 1990	MEAN	5.30	MAX	6.41	AUG 29 AND OTHERS			MIN	3.44	MAY 21 AND OTHERS		

DADE COUNTY

WELL NUMBER.--255342080195501. Local Number G 1166. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°53'42", long 80°19'55", in SE¼NE¼ sec.27, T.52 S., R.40 E., Hydrologic Unit 03090202, on the east side of Northwest 82 Avenue, 0.25 mi south of Northwest 138 Street, 0.5 mi west of Palmetto Expressway, and 1.2 mi west of Hialeah.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 4.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum..

REMARKS.--Water levels estimated Dec. 12 - Jan. 13, Jan. 28 - Feb. 8 and Feb. 25 - Mar. 9, 1990 water year.

PERIOD OF RECORD.--January 1961 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.20	2.09	2.07	2.04	2.00	1.87	1.97	2.29	2.57	2.64	2.21	2.58
10	2.98	2.08	2.06	2.07	1.94	1.87	2.64	2.43	2.33	2.33	3.06	2.35
15	2.39	2.08	2.04	2.06	1.88	1.79	3.38	2.34	2.26	2.53	2.59	2.34
20	2.20	2.03	2.07	2.04	1.83	1.87	2.60	2.26	2.24	2.45	2.83	2.30
25	2.11	2.01	2.09	1.98	1.93	1.84	2.48	2.43	2.84	2.31	2.60	2.36
EOM	2.11	2.11	2.06	2.03	1.93	1.91	2.40	2.56	2.60	2.22	2.59	2.59
MEAN	2.27	2.08	2.07	2.04	1.93	1.84	2.44	2.38	2.45	2.43	2.61	2.41
MAX	2.98	2.20	2.11	2.08	2.05	1.91	3.38	2.99	3.12	2.70	3.21	2.78
MIN	2.08	2.01	2.04	1.97	1.83	1.78	1.92	2.17	2.16	2.22	2.20	2.30

WTR YR 1990 MEAN 2.25 MAX 3.38 APR 15 AND OTHERS MIN 1.78 MAR 30

WELL NUMBER.--255437080103201. Local Number G 852. USGS Observation Well at North Miami Beach, FL.

LOCATION.--Lat 25°54'37", long 80°10'32", in SE¼NW¼ sec.20, T.52 S., R.42 E., Hydrologic Unit 03090202, at corner of Northeast 12th Avenue and 147 Street in North Miami Beach, and 1.3 mi west of U.S. Highway 1.

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

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

INSTRUMENTATION.--Satellite Data Collection Platform. Prior to June 6, 1990 digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.24 ft above land-surface datum.

REMARKS.--Water-levels estimated June 5-6, 19-22, 1990 water year.

PERIOD OF RECORD.--January 1959 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.40 ft NGVD, May 29, 1984; lowest, 0.17 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.77	1.82	1.66	1.52	1.36	1.47	1.49	1.87	2.19	2.04	1.55	2.22
10	2.06	1.69	1.60	1.47	1.31	1.41	2.94	2.40	1.93	1.78	1.95	1.97
15	1.95	1.66	1.56	1.44	1.30	1.30	2.83	2.22	1.95	1.77	2.32	1.81
20	1.83	1.61	1.53	1.41	1.28	1.29	2.37	1.89	1.79	1.97	2.36	1.99
25	1.86	1.56	1.58	1.37	1.32	1.27	2.46	2.15	2.51	1.73	2.77	2.01
EOM	1.74	1.76	1.55	1.42	1.31	1.41	2.08	2.73	2.39	1.62	2.73	2.83
MEAN	1.85	1.68	1.59	1.45	1.32	1.34	2.23	2.14	2.13	1.86	2.20	2.09
MAX	2.13	1.82	1.74	1.55	1.42	1.47	2.94	2.88	2.66	2.29	2.77	2.83
MIN	1.72	1.56	1.50	1.37	1.24	1.24	1.46	1.74	1.68	1.62	1.55	1.78

WTR YR 1990 MEAN 1.82 MAX 2.94 APR 9 AND OTHERS MIN 1.24 FEB 22 AND OTHERS

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--255522080261401. Local Number G 972. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°55'00", long 80°26'40", in NW¼SE¼ sec.16, T.52 S., R.39 E., Hydrologic Unit 03090202, 0.6 mi west of the Dade/Broward levee, 0.85 mi southeast of the entrance to Thompson Park, and 12.4 mi northwest of Hialeah.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 4.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1958 to May 1981. October 1981 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.07 ft NGVD, Sept. 26 - 28, 1959; lowest, 1.65 ft NGVD, June 1, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.94	4.61	4.40	4.15	4.39	4.26	4.05	3.20	4.57	4.24	4.41	5.09
10	5.08	4.55	4.36	4.05	4.24	4.06	4.77	3.03	4.40	3.95	4.50	4.89
15	5.01	4.44	4.27	4.28	4.22	3.88	4.23	3.16	3.98	4.39	4.66	4.83
20	4.90	4.31	4.25	4.33	4.16	4.16	3.90	2.71	3.68	4.52	5.05	4.71
25	4.87	4.23	4.23	4.33	4.39	4.10	3.71	3.72	4.12	4.40	5.17	4.64
EOB	4.67	4.54	4.11	4.55	4.25	4.50	3.51	4.55	3.99	4.08	5.21	5.06
MEAN	4.91	4.47	4.31	4.26	4.29	4.10	4.02	3.35	4.19	4.30	4.78	4.90
MAX	5.08	4.69	4.50	4.57	4.51	4.50	5.01	4.79	4.72	4.61	5.30	5.18
MIN	4.67	4.23	4.11	4.05	4.15	3.82	3.51	2.64	3.67	3.92	3.99	4.57

WTR YR 1990 MEAN 4.32 MAX 5.30 AUG 28 AND OTHERS MIN 2.64 MAY 23

WELL NUMBER.--255526080143001. Local Number S 18. USGS Observation Well near Opa-Locka, FL.

LOCATION.--Lat 25°55'26", long 80°14'30", NW¼NW¼ 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 State Highway 826, 0.2 mi east of Northwest 27th Avenue, and 1.3 mi north of Opa-Locka.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 52 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1939 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.54 ft NGVD, Oct. 12, 1947; lowest, 0.05 ft NGVD, June 3, 1945.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.11	1.95	2.00	1.89	1.76	1.71	1.75	2.21	2.33	2.25	2.12	2.27
10	2.17	1.91	1.93	1.88	1.71	1.63	2.51	2.81	2.27	2.11	2.11	2.16
15	2.13	1.89	1.89	1.84	1.67	1.56	2.94	2.44	2.38	2.14	2.31	2.15
20	2.04	1.84	1.88	1.79	1.63	1.62	2.62	2.15	2.14	2.17	2.62	2.17
25	2.00	1.80	1.92	1.77	1.71	1.58	2.51	2.36	2.65	2.05	2.43	2.19
EOB	1.97	2.16	1.90	1.77	1.68	1.61	2.44	2.55	2.69	2.03	2.64	3.13
MEAN	2.07	1.95	1.93	1.83	1.70	1.61	2.36	2.37	2.44	2.15	2.32	2.28
MAX	2.21	2.31	2.14	1.90	1.77	1.71	2.98	2.83	3.03	2.54	2.67	3.28
MIN	1.97	1.80	1.88	1.76	1.62	1.53	1.68	2.07	2.11	2.03	2.05	2.13

WTR YR 1990 MEAN 2.09 MAX 3.28 SEP 29 MIN 1.53 MAR 17 AND OTHERS

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

185

DADE COUNTY

WELL NUMBER.--255600080270001. Local Number G 968. USGS Observation Well near Carol City, FL.

LOCATION.--Lat 25°56'00", long 80°27'00", in NE¼NE¼ sec.9, T.52 S., R.39 E., Hydrologic Unit 03090202, 100 ft from the northwest side of levee 30, 1 mi southwest of Miami Canal, 1.3 mi south of Dade and Broward County Line, and 10 mi west of Carol City.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 16 in., depth 50 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.85 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1960 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.28 ft NGVD, Sept. 7, 1986; lowest, 1.70 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.24	5.94	5.60	5.29	4.88	4.52	4.27	3.55	4.91	4.46	4.92	5.95
10	6.24	5.87	5.51	5.25	4.72	4.36	4.79	3.39	4.59	4.20	4.82	5.80
15	6.28	5.77	5.44	5.11	4.58	4.20	4.40	3.37	4.24	4.73	5.08	5.78
20	6.22	5.66	5.46	4.96	4.48	4.41	4.13	3.09	3.97	4.85	5.80	5.75
25	6.16	5.54	5.36	4.84	4.70	4.29	4.04	3.95	4.37	4.90	6.04	5.70
EOM	6.01	5.72	5.24	4.94	4.57	4.64	3.83	4.65	4.22	4.70	6.09	5.91
MEAN	6.20	5.78	5.47	5.08	4.69	4.36	4.24	3.65	4.40	4.66	5.39	5.82
MAX	6.29	5.99	5.70	5.29	4.94	4.64	4.98	5.00	4.91	4.92	6.18	6.05
MIN	6.01	5.54	5.24	4.78	4.47	4.13	3.83	3.04	3.95	4.17	4.55	5.68

WTR YR 1990 MEAN 4.98 MAX 6.29 OCT 1 AND OTHERS MIN 3.04 MAY 21 AND OTHERS

WELL NUMBER.--255707080255001. Local Number G 1637. USGS Observation Well near Hialeah, FL.

LOCATION.--Lat 25°57'07", long 80°25'50", in SW¼NE¼ sec.3, T.52 S., R.39 E., Hydrologic Unit 03090202, at entrance of Opa Locka West Training Airport, 1,000 ft northeast of the intersection of U.S. Highway 27 and Krome Avenue, and 10.0 mi northwest of Hialeah.

AQUIFER.--Biscayne limestone aquifer of 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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.55 ft NGVD estimated Apr. 26, 1979; lowest, 2.19 ft NGVD, Apr. 26, 1973.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.68	3.37	3.26	3.18	2.93	2.77	2.78	2.86	3.46	3.36	3.48	3.71
10	3.82	3.29	3.21	3.15	2.87	2.68	3.27	2.86	3.40	3.16	3.37	3.60
15	3.71	3.29	3.19	3.08	2.78	2.64	3.38	2.84	3.13	3.51	3.68	3.82
20	3.60	3.14	3.22	3.09	2.81	2.80	3.30	2.58	3.08	3.39	4.08	3.62
25	3.56	3.09	3.22	2.93	3.00	2.67	3.17	3.19	3.30	3.45	3.92	3.90
EOM	3.41	3.40	3.20	3.04	2.86	2.94	3.07	3.52	3.22	3.36	3.87	4.01
MEAN	3.63	3.28	3.24	3.07	2.89	2.70	3.11	2.96	3.30	3.41	3.76	3.78
MAX	3.83	3.54	3.37	3.19	3.11	2.94	3.42	3.81	3.60	3.84	4.29	4.30
MIN	3.41	3.09	3.19	2.89	2.70	2.58	2.71	2.56	3.01	3.16	3.19	3.56

WTR YR 1990 MEAN 3.26 MAX 4.30 SEP 23 MIN 2.56 MAY 22

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DADE COUNTY

WELL NUMBER.--255709080223701. Local Number G 970. USGS Observation Well near Carol City, FL.

LOCATION.--Lat 25°57'09", long 80°22'37", in SE¼NE¼ sec.6, T.52 S., R.40 E., Hydrologic Unit 03090202, 0.5 mi south of Snake Creek, 3.5 mi east of U.S. Highway 27, and 6.0 mi west of Carol City.

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

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 3.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1958 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.52 ft NGVD, Nov. 22, 1959; lowest, 1.35 ft NGVD, May 31, 1962.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.62	2.49	2.41	2.44	2.27	2.20	2.21	2.50	2.93	3.09	2.65	2.71
10	2.86	2.43	2.38	2.37	2.17	2.10	2.77	2.55	2.90	2.74	3.04	2.65
15	2.77	2.39	2.34	2.30	2.15	1.98	3.23	2.58	2.69	2.85	3.13	2.75
20	2.60	2.31	2.40	2.29	2.37	2.17	2.94	2.31	2.64	2.70	3.44	2.77
25	2.61	2.26	2.41	2.25	2.35	2.03	2.84	2.85	2.91	2.69	2.99	2.96
EOM	2.53	2.56	2.42	2.35	2.25	2.33	4.49	3.11	2.83	2.63	2.78	3.02
MEAN	2.66	2.41	2.42	2.34	2.26	2.09	2.99	2.63	2.91	2.81	3.01	2.82
MAX	2.99	2.56	2.54	2.44	2.43	2.33	4.65	3.33	3.42	3.38	3.56	3.28
MIN	2.51	2.25	2.34	2.20	2.09	1.95	2.18	2.28	2.62	2.59	2.56	2.61
WTR YR 1990	MEAN	2.61	MAX	4.65	APR 26	MIN	1.95	MAR 17				

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
DADE COUNTY

187

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
251902080312405	G -3340	25 19 02 N	080 31 24 W	02-28-90	0.69
				04-19-90	0.93
				06-28-90	1.46
				09-11-90	1.98
251922080340701	G -1251	25 19 22 N	080 34 07 W	10-19-89	2.00
				12-05-89	1.36
				01-24-90	0.98
				02-22-90	0.92
				03-29-90	0.76
				04-06-90	0.84
				04-25-90	0.30
				05-03-90	0.11
				05-24-90	1.09
				06-28-90	2.07
				08-28-90	2.18
				09-27-90	2.06
251925080335701	G -3337	25 19 25 N	080 33 57 W	02-28-90	0.62
				04-19-90	1.74
				06-29-90	2.03
				09-11-90	2.15
251957080312801	G -3339	25 19 57 N	080 31 28 W	02-28-90	0.92
				04-19-90	1.11
				06-28-90	1.93
				09-11-90	2.23
252007080335701	G -3336	25 20 07 N	080 33 57 W	02-28-90	0.71
				04-19-90	0.22
				06-29-90	2.07
				09-11-90	2.26
252014080312801	G -3338	25 20 14 N	080 31 28 W	02-28-90	1.01
				04-19-90	1.07
				06-28-90	2.09
				09-11-90	2.33
252027080293701	G -3349	25 20 27 N	080 29 37 W	02-28-90	0.60
				04-19-90	0.76
				06-28-90	1.60
252120080293601	G -3350	25 21 20 N	080 29 36 W	02-28-90	1.01
				04-19-90	1.15
				06-28-90	2.04
252228080275501	G -3342	25 22 28 N	080 27 55 W	02-28-90	1.00
				04-19-90	1.17
				06-28-90	2.30
				09-11-90	2.38
252320080261201	G -3346	25 23 20 N	080 26 12 W	03-05-90	1.37
				04-19-90	1.19
				06-28-90	2.24
				09-11-90	2.15
252334080280101	G -3344	25 23 34 N	080 28 01 W	02-28-90	1.86
				04-19-90	1.69
				06-28-90	2.84
				09-11-90	2.78
252426080271001	G -3347	25 24 26 N	080 27 10 W	03-05-90	1.37
				04-19-90	1.07
				06-28-90	2.42
				09-11-90	2.28
252502080254301	G -3348	25 25 02 N	080 25 43 W	02-28-90	1.35
				04-19-90	1.35
				06-21-90	1.83
				09-12-90	2.44

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
252719080241201	G -3345	25 27 19 N	080 24 12 W	03-05-90	1.65
				05-01-90	1.51
				06-28-90	2.23
				09-12-90	2.24
252918080234201	G -1183	25 29 18 N	080 23 42 W	10-19-89	2.19
				12-05-89	1.96
				12-21-89	2.05
252918080234201	G -1183	25 29 18 N	080 23 42 W	02-15-90	1.88
				03-22-90	2.11
				04-06-90	1.88
				04-25-90	1.64
				05-04-90	1.78
				05-24-90	1.97
				06-29-90	2.57
				07-26-90	2.97
				08-28-90	3.00
				09-25-90	2.99
252944080233401	G -1179	25 29 44 N	080 23 34 W	10-19-89	2.19
				12-05-89	1.88
				12-21-89	2.01
				01-24-90	1.90
				02-15-90	1.89
				03-22-90	2.05
				04-06-90	1.82
				04-25-90	1.58
				05-04-90	1.72
				05-24-90	1.37
				07-09-90	2.45
				07-26-90	2.41
252947080235201	G -1270	25 29 47 N	080 23 52 W	08-28-90	2.52
				09-25-90	2.53
				10-19-89	2.23
				12-05-89	3.50
				12-21-89	1.96
				01-24-90	1.93
				03-22-90	2.10
				04-06-90	1.86
				04-25-90	1.61
				05-04-90	1.75
				05-24-90	1.37
252947080235301	G -1180	25 29 47 N	080 23 53 W	07-03-90	3.40
				08-28-90	2.61
				09-25-90	2.70
				10-19-89	1.23
				12-05-89	-0.04
				12-21-89	0.97
				01-24-90	0.90
				03-22-90	1.33
				04-06-90	0.82
				04-25-90	0.59
				05-04-90	0.73
				05-24-90	0.30
253202080232601	G -3162	25 31 32 N	080 23 25 W	07-26-90	1.47
				08-30-90	1.67
				10-19-89	2.29
				12-05-89	1.86
				12-21-89	1.28
				01-24-90	1.82
				02-15-90	1.80
				03-22-90	1.94
				04-25-90	1.77
				05-04-90	1.07
				05-24-90	1.41
				07-09-90	2.40
				08-28-90	2.43
				09-25-90	2.25

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
DADE COUNTY--Continued

189

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
253917080184901	F - 466	25 39 17 N	080 18 49 W	10-16-89	2.90
				04-23-90	2.94
253937080190001	F - 464	25 39 37 N	080 19 00 W	10-16-89	3.01
				04-23-90	3.13
253958080170302	G -1004A	25 39 58 N	080 17 03 W	10-16-89	2.36
				04-23-90	2.19
254004080171102	G -1003A	25 40 04 N	080 17 11 W	10-16-89	2.57
				04-23-90	2.43
254009080170302	G -1002A	25 40 09 N	080 17 03 W	10-16-89	2.39
				04-23-90	2.05
254018080170002	G -1001A	25 40 18 N	080 17 03 W	10-16-89	3.00
				04-23-90	2.71
254019080190201	G -1604	25 40 19 N	080 19 02 W	10-16-89	2.52
				03-22-90	0.54
				04-05-90	1.84
				04-23-90	2.57
				05-03-90	1.92
				08-31-90	2.80
				09-26-90	2.76
254020080183101	G -1604A	25 40 20 N	080 18 31 W	10-16-89	3.03
				10-16-89	3.03
				03-22-90	2.13
				04-05-90	2.51
				04-23-90	3.07
				04-23-90	3.10
				05-03-90	2.33
254023080164702	G -1000A	25 40 24 N	080 16 42 W	10-16-89	2.28
				04-23-90	2.07
254033080170401	F - 450	25 40 33 N	080 17 04 W	10-16-89	3.23
				04-23-90	2.92
254049080172201	G -1007	25 40 49 N	080 17 22 W	10-16-89	2.90
				04-23-90	2.65
254049080174502	G -1008A	25 40 48 N	080 17 44 W	10-16-89	3.22
				04-23-90	3.01
254050080162601	F - 386	25 40 50 N	080 16 26 W	10-16-89	1.38
				04-23-90	1.15
254053080210601	G -1563	25 40 53 N	080 21 06 W	10-16-89	3.08
				04-23-90	3.10
254058080192501	F - 451	25 40 58 N	080 19 25 W	10-16-89	3.52
				04-23-90	3.60
254103080184102	G -1011A	25 41 03 N	080 18 41 W	10-16-89	3.24
				04-23-90	3.25
254105080174602	G -1009A	25 41 06 N	080 17 46 W	10-16-89	3.20
				04-23-90	2.95
254107080165201	G - 896	25 41 07 N	080 16 52 W	10-16-89	1.75
				10-16-89	2.86
				04-05-90	2.05
				04-23-90	2.12
				04-23-90	2.53
				05-25-90	1.92
				08-30-90	1.64
				09-26-90	2.73
254108080170302	G -1002B	25 41 08 N	080 17 03 W	10-16-89	2.54
				04-23-90	2.58

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
254117080234702	G - 944A	25 41 17 N	080 23 47 W	10-16-89 04-23-90	2.01 1.54
254118080175101	G -1010	25 41 18 N	080 17 51 W	10-16-89 04-23-90	3.23 2.90
254123080163802	G - 176A	25 41 22 N	080 16 38 W	10-16-89 04-23-90	2.26 1.95
254125080173001	G -1013	25 41 25 N	080 17 30 W	10-16-89 04-23-90	3.34 2.85
254127080210502	G -1599B	25 41 27 N	080 21 05 W	10-16-89 04-23-90	4.06 4.14
254127080240001	G - 551B	25 41 29 N	080 24 00 W	10-16-89 04-23-90	1.86 1.41
254129080232701	G - 951	25 41 29 N	080 23 27 W	04-23-90	1.89
254134080173402	G -1014A	25 41 34 N	080 17 34 W	10-16-89 04-23-90	3.38 3.02
254139080204301	G -1599A	25 41 39 N	080 20 43 W	10-16-89 04-23-90	2.10 2.20
254140080224201	F - 490	25 41 40 N	080 22 42 W	10-16-89 04-23-90	2.89 2.59
254154080214401	G -3291	25 41 54 N	080 21 44 W	10-16-89 04-23-90	3.15 2.79
254155080204001	G -1599	25 41 55 N	080 20 40 W	10-16-89 04-23-90	0.73 1.11
254155080214301	G -3289	25 41 55 N	080 21 43 W	10-16-89 04-23-90	3.15 2.63
254155080214302	G -3290			10-16-89	3.13
254156080214201	G -3284	25 41 56 N	080 21 42 W	10-16-89 04-23-90	3.13 2.77
254156080214202	G -3284A			10-16-89	3.09
254156080214203	G -3284B			10-16-89	3.08
254157080212501	G -3288	25 41 57 N	080 21 25 W	10-16-89 04-23-90	4.11 3.88
254157080212502	G -3288A			10-16-89 04-23-90	2.83 2.65
254157080213501	G -3287	25 41 57 N	080 21 35 W	10-16-89 04-23-90	3.08 2.75
254157080213502	G -3287A			10-16-89 04-23-90	3.08 2.78
254157080213901	G -3286	25 41 57 N	080 21 39 W	10-16-89	3.28
254157080214001	G -3073	25 41 57 N	080 21 40 W	10-16-89 04-23-90	3.16 2.81
254157080214002	G -3074			10-16-89 04-23-90	3.12 2.77
254200080201801	G - 881	25 42 00 N	080 20 18 W	10-16-89 04-23-90	0.23 0.75
254200080230501	G - 962A	25 42 00 N	080 23 05 W	10-16-89 04-23-90	3.16 2.66
254202080232601	G - 799	25 42 02 N	080 23 26 W	10-16-89 04-23-90	2.70 2.32

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
DADE COUNTY--Continued

191

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
254209080204101	G - 878	25 42 09 N	080 20 41 W	10-16-89 04-23-90	1.06 1.50
254215080195402	G -1078A	25 42 15 N	080 19 54 W	10-16-89 04-23-90	-1.75 -0.52
254215080200801	G -1075A	25 42 15 N	080 20 08 W	10-16-89 04-23-90	-2.43 -1.25
254215080201503	G -1074B	25 42 15 N	080 20 15 W	10-16-89 04-23-90	-6.49 -4.63
254220080201902	G - 884A	25 42 20 N	080 20 19 W	10-16-89 04-23-90	-4.28 -1.44
254227080234702	G - 847A	25 42 27 N	080 23 47 W	10-16-89	5.42
254229080194601	G -1079	25 42 29 N	080 19 46 W	10-16-89 04-23-90	0.18 0.99
254230080193002	G -1080A	25 42 30 N	080 19 30 W	10-16-89 04-23-90	1.42 2.11
254230080210302	G - 877A	25 42 30 N	080 21 03 W	10-16-89 04-23-90	2.06 2.03
254231080200702	G -3422	25 42 31 N	080 20 07 W	10-16-89	-0.67
254232080200701	G -3418	25 42 32 N	080 20 07 W	04-23-90	0.43
254232080200702	G -3419			10-16-89 04-23-90	-0.53 0.14
254232080200801	G -3424	25 42 32 N	080 20 08 W	10-16-89 04-23-90	-0.54 0.38
254232080200802	G -3425			10-16-89 04-23-90	-0.35 0.57
254232080201201	G -3427	25 42 32 N	080 20 12 W	10-16-89 04-23-90	0.91 1.80
254233080200701	G -3416	25 42 33 N	080 20 07 W	04-23-90	0.11
254233080200702	G -3417			10-16-89 04-23-90	-0.08 0.24
254250080181001	F - 473	25 42 50 N	080 18 10 W	10-16-89 04-23-90	2.96 3.03
254253080211701	G -1555	25 42 53 N	080 21 17 W	10-16-89	3.11
254253080211701	G -1555	25 42 53 N	080 21 17 W	04-23-90	2.82
254306080235002	G - 958A	25 43 06 N	080 23 50 W	10-16-89 04-23-90	3.23 2.77
254322080202001	F - 471	25 43 22 N	080 20 20 W	10-16-89 04-23-90	2.70 2.74
254327080214701	F - 468	25 43 27 N	080 21 47 W	10-16-89 04-23-90	3.57 3.19
254335080170501	G - 432	25 43 35 N	080 17 05 W	10-16-89 04-23-90	1.71 1.69
254345080171601	F - 476	25 43 45 N	080 17 16 W	10-16-89 04-23-90	2.33 2.45
254345080193001	F - 470	25 43 45 N	080 19 30 W	10-16-89 04-23-90	2.90 2.96
254357080212002	F - 469A	25 43 57 N	080 21 20 W	10-16-89 04-23-90	3.16 2.90

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
254454080182201	F - 474	25 44 54 N	080 18 22 W	10-16-89 04-23-90	3.12 3.25
254733080220204	G -3398A	25 47 33 N	080 22 02 W	10-16-89 04-23-90	3.07 2.84
254748080155701	F - 483	25 47 48 N	080 15 57 W	10-16-89	2.16
254813080161501	G -1351	25 48 13 N	080 16 15 W	10-16-89 04-05-90 04-23-90 05-03-90 05-25-90	2.20 1.88 2.29 1.84 1.99
254813080170001	G -1350	25 48 13 N	080 17 00 W	10-16-89	2.39
254834080162801	G - 570	25 48 34 N	080 16 28 W	10-20-89 04-23-90	1.69 1.97
254836080165201	G - 577	25 48 36 N	080 16 52 W	10-20-89 04-23-90	0.51 0.86
254841080164401	G - 571	25 48 41 N	080 16 44 W	10-20-89 04-23-90 09-27-90	1.26 1.61 1.61
254842080161502	G - 355	25 48 42 N	080 16 15 W	10-20-89 04-23-90	2.11 2.28
254842080173401	F - 414	25 48 42 N	080 17 34 W	10-20-89 04-23-90	1.99 2.43
254842080174301	F - 441	25 48 42 N	080 17 43 W	10-20-89 04-23-90	2.21 2.52
254849080154802	G - 576	25 48 49 N	080 15 48 W	10-20-89 09-28-90	2.32 2.41
254855080163701	G - 548	25 48 55 N	080 16 37 W	10-20-89 04-23-90 09-28-90	2.12 2.48 2.45
254905080250201	G -3103	25 49 05 N	080 25 02 W	04-23-90	2.36
254940080172002	G -1283	25 49 40 N	080 17 20 W	09-27-90	1.59
254943080121501	F - 45	25 49 43 N	080 12 15 W	10-18-89 04-05-90 04-23-90 05-04-90 05-25-90	2.08 1.70 2.80 2.15 2.22
254948080221301	G -3025	25 49 48 N	080 22 13 W	10-16-89 04-23-90	3.02 2.60
254948080221302	G -3026			10-16-89 04-23-90	3.01 2.57
255003080245701	G -3277	25 50 03 N	080 24 57 W	10-16-89 04-23-90	-0.12 -1.16
255003080250501	G -3278	25 50 03 N	080 25 05 W	10-16-89 04-23-90	-0.29 -1.02
255016080250501	G -3254	25 50 16 N	080 25 05 W	04-23-90	-0.91
255016080250502	G -3254A			04-23-90	-0.87
255023080250501	G -3255	25 50 23 N	080 25 05 W	10-16-89 04-23-90	-0.44 -1.16
255023080250502	G -3255A			10-16-89 04-23-90	0.13 -0.6

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
DADE COUNTY--Continued

193

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
255026080242901	G -3283	25 50 26 N	080 24 29 W	04-23-90	-0.06
255027080245101	G -3258	25 50 27 N	080 24 51 W	10-16-89 04-23-90	-0.29 -0.98
255027080245501	G -3253	25 50 27 N	080 24 55 W	10-16-89 04-23-90	1.73 0.07
255027080250001	G -3257	25 50 27 N	080 25 00 W	10-16-89 04-23-90	-0.22 0.16
255027080250002	G -3257A			10-16-89 04-23-90	-0.3 -2.04
255027080250501	G -3256	25 50 27 N	080 25 05 W	10-16-89 04-23-90	-0.18 -0.82
255027080250502	G -3256A			10-16-89	-0.21
255027080251801	G -3326	25 50 27 N	080 25 18 W	04-23-90	-0.66
255028080254001	G -3446	25 50 28 N	080 25 40 W	04-23-90	0.74
255028080261401	G -3448	25 50 28 N	080 26 14 W	10-16-89 04-23-90	3.47 2.05
255028080262501	G -3449	25 50 28 N	080 26 25 W	10-16-89 04-23-90	3.97 2.28
255049080245201	G -3279	25 50 49 N	080 24 52 W	04-23-90	-1.08
255140080260701	G -3333	25 51 40 N	080 26 07 W	10-16-89 04-23-90	3.35 2.54
255315080111501	F - 279	25 53 15 N	080 11 15 W	10-18-89 04-23-90	1.45 2.17
255600080092401	G -1047	25 56 00 N	080 09 24 W	10-17-89 10-17-89 04-24-90	2.46 2.46 2.59
255637080093801	G -1055	25 56 37 N	080 09 38 W	10-17-89 10-17-89 04-24-90	2.47 2.47 2.78
255732080104301	G -1059	25 57 32 N	080 10 43 W	10-17-89 10-17-89	2.02 2.02
255822080103001	G -1060	25 58 22 N	080 10 30 W	10-17-89 10-17-89 04-24-90	1.84 1.84 2.17

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
DADE COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
251902080312405	G -3340	25 19 02 N	080 31 24 W	02-28-90	8750	3000
				04-19-90	10400	3000
				06-28-90	8090	3400
				09-11-90	10100	3100
251922080340701	G -1251	25 19 22 N	080 34 07 W	10-19-89	510	54
				12-05-89	475	40
				12-21-89	475	50
				01-24-90	500	68
				02-22-90	510	54
				03-29-90	490	48
				04-06-90	510	36
				04-25-90	300	48
				05-03-90	345	52
				05-24-90	500	42
				06-28-90	490	46
				07-31-90	490	62
				08-28-90	420	52
				09-27-90	520	44
251925080335701	G -3337	25 19 25 N	080 33 57 W	02-28-90	575	110
				04-19-90	590	110
				06-29-90	490	110
				09-11-90	630	120
251949080313102	G -1603	25 19 49 N	080 31 31 W	10-19-89	3070	840
				12-05-89	2500	780
				12-21-89	2250	700
				01-24-90	2750	760
				02-22-90	2590	660
				03-29-90	2600	960
				04-06-90	2200	520
				05-03-90	2320	600
				05-24-90	2590	800
				06-28-90	3000	760
				07-31-90	3000	840
				08-30-90	2200	580
251952080293401	G -1256	25 19 52 N	080 29 34 W	09-26-90	2800	720
				10-19-89	21000	6700
				12-05-89	18000	6700
				12-21-89	18500	6500
				01-24-90	20000	6700
				02-15-90	22000	5000
				03-29-90	19200	7000
				04-25-90	11000	6500
				05-24-90	10900	4500
				06-28-90	20000	6700
				07-31-90	20000	6800
				08-30-90	20000	6700
				09-26-90	20000	6700
251957080312801	G -3339	25 19 57 N	080 31 28 W	02-28-90	650	98
				04-19-90	760	110
				06-28-90	640	100
				09-11-90	790	100
252007080335701	G -3336	25 20 07 N	080 33 57 W	02-28-90	500	50
				04-19-90	575	40
				06-29-90	490	50
				09-11-90	610	50
252014080312801	G -3338	25 20 14 N	080 31 28 W	02-28-90	610	64
				04-19-90	610	74
				06-28-90	500	78
				09-11-90	675	80

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
DADE COUNTY--Continued

195

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
252027080293701	G -3349	25 20 27 N	080 29 37 W	02-28-90	10400	5400
				04-19-90	10600	5200
				06-28-90	10500	5700
252120080293601	G -3350	25 21 20 N	080 29 36 W	02-28-90	360	28
				04-19-90	395	34
				06-28-90	270	30
252228080275501	G -3342	25 22 28 N	080 27 55 W	02-28-90	7250	2600
				04-19-90	8000	2500
				06-28-90	6000	3800
				09-11-90	8470	2600
252320080261201	G -3346	25 23 20 N	080 26 12 W	03-05-90	18300	6500
				04-19-90	24000	7600
				06-28-90	16900	5700
				09-11-90	20600	8100
252334080280101	G -3344	25 23 34 N	080 28 01 W	02-28-90	620	88
				04-19-90	750	66
				06-28-90	610	82
				09-11-90	830	100
252426080271001	G -3347	25 24 26 N	080 27 10 W	03-05-90	10100	3900
				04-19-90	10600	4600
				06-28-90	10500	4000
				09-11-90	10400	4000
252502080254301	G -3348	25 25 02 N	080 25 43 W	02-28-90	1150	350
				04-19-90	1150	350
				06-21-90	1100	340
				09-12-90	1150	250
252506080282201	G -3166	25 25 06 N	080 28 22 W	10-19-89	1000	220
				12-05-89	750	180
				12-21-89	745	190
				01-24-90	925	180
				02-15-90	1000	170
				03-29-90	850	220
				04-25-90	760	180
				05-24-90	890	170
				06-28-90	945	100
				07-31-90	960	180
				08-30-90	940	200
				09-24-90	890	170
				10-19-89	790	120
				12-05-89	650	94
				12-21-89	750	120
252532080244301	G -1264	25 25 32 N	080 24 43 W	01-24-90	750	100
				02-22-90	750	88
				03-29-90	650	86
				04-06-90	740	80
				04-25-90	700	86
				05-04-90	640	80
				05-24-90	950	160
				07-03-90	710	68
				07-31-90	710	74
				08-30-90	620	62
				09-26-90	660	46
				03-05-90	6770	2400
				05-01-90	7890	2400
				06-28-90	6040	2300
				09-12-90	7690	2300
252719080241201	G -3345	25 27 19 N	080 24 12 W	03-05-90	6770	2400
				05-01-90	7890	2400
				06-28-90	6040	2300
				09-12-90	7690	2300

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
252823080250901	G -3163	25 28 23 N	080 25 09 W	10-19-89	720	46
				12-05-89	525	78
				12-21-89	520	68
				01-24-90	550	76
				02-15-90	700	70
				03-22-90	650	50
				04-06-90	630	50
				04-25-90	595	54
				05-04-90	540	50
				05-24-90	630	50
				07-09-90	610	58
				07-31-90	610	44
				08-30-90	580	50
				09-25-90	640	34
252918080234201	G -1183	25 29 18 N	080 23 42 W	10-19-89	700	50
252918080234201	G -1183	25 29 18 N	080 23 42 W	12-05-89	525	64
				12-21-89	515	96
				01-24-90	550	78
				02-15-90	700	52
				03-22-90	590	34
				04-06-90	580	32
				04-25-90	620	62
				05-04-90	580	60
				05-24-90	800	86
				06-29-90	600	36
				07-26-90	615	54
				08-28-90	760	96
				09-25-90	880	120
252944080233401	G -1179	25 29 44 N	080 23 34 W	10-19-89	15000	3900
				12-05-89	10300	4500
				12-21-89	10300	4500
				01-24-90	10400	4300
				02-15-90	15000	5100
				03-22-90	15200	4900
				04-06-90	15600	5100
				04-25-90	10500	5100
				05-04-90	14300	4900
				05-24-90	15000	5200
				07-09-90	10500	5100
				07-26-90	10700	5300
				08-28-90	14400	4900
				09-25-90	15000	4900
252947080235201	G -1270	25 29 47 N	080 23 52 W	10-19-89	690	32
				12-05-89	510	32
				12-21-89	480	24
				01-24-90	500	32
				02-15-90	510	26
				03-22-90	600	28
				04-06-90	482	18
				04-25-90	490	34
				05-04-90	425	36
				05-24-90	520	28
				07-03-90	500	34
				07-26-90	450	32
				08-28-90	475	24
				09-25-90	440	20

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
DADE COUNTY--Continued

197

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
252947080235202	S - 531			10-19-89	715	60
				12-05-89	525	50
				12-21-89	500	48
				01-24-90	520	50
				02-15-90	625	56
				03-22-90	600	22
				04-06-90	590	42
				04-25-90	550	50
				05-04-90	520	60
				05-24-90	610	52
				07-03-90	600	46
				07-26-90	630	44
				08-28-90	585	54
				09-25-90	650	34
252947080235301	G -1180	25 29 47 N	080 23 53 W	10-19-89	735	44
				12-05-89	520	78
				12-21-89	500	46
				01-24-90	520	76
				02-15-90	620	38
				03-22-90	600	28
				04-06-90	585	28
				04-25-90	560	38
				05-04-90	530	30
				05-24-90	600	44
				07-26-90	620	44
				08-30-90	560	42
252947080235301	G -1180	25 29 47 N	080 23 53 W	07-26-90	620	44
				08-30-90	560	42
253202080232601	G -3162	25 31 32 N	080 23 25 W	10-19-89	2900	700
				12-05-89	2550	840
				12-21-89	2250	800
				01-24-90	3000	820
				02-15-90	3000	840
				03-22-90	3050	820
				04-06-90	2930	800
				04-25-90	2950	680
				05-04-90	2680	860
				05-24-90	2990	900
				07-09-90	2800	780
				07-26-90	2890	900
				08-28-90	2560	740
				09-25-90	2800	800
253648080345801	G -3250	25 36 48 N	080 34 58 W	09-27-90	840	75
253652080183701	G - 939	25 36 52 N	080 18 37 W	10-16-89	8600	2800
				04-05-90	10100	2900
				04-23-90	9000	2900
				05-03-90	9900	2900
				05-25-90	3200	940
				08-30-90	9040	3000
				09-28-90	9000	3000
253958080183001	G -3157	25 39 58 N	080 18 30 W	04-23-90	355	20
254019080190201	G -1604	25 40 19 N	080 19 02 W	10-16-89	610	44
				03-22-90	640	50
				04-05-90	550	24
				04-23-90	620	50
				05-03-90	660	50
				08-31-90	700	62
				09-26-90	700	54
254020080183101	G -1604A	25 40 20 N	080 18 31 W	10-16-89	465	24
				03-22-90	495	24
				04-05-90	690	58
				04-23-90	480	42
				05-03-90	540	22

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
DADE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
254106080174601	G -1009B	25 41 06 N	080 17 46 W	10-16-89	485	38
				03-22-90	455	34
				04-05-90	495	34
				04-23-90	440	28
254107080165201	G - 896	25 41 07 N	080 16 52 W	10-16-89	2480	640
				03-22-90	3750	1000
				04-05-90	3960	1000
				04-23-90	2950	760
				05-03-90	3150	780
				05-25-90	1230	320
				08-30-90	1750	400
				09-26-90	2700	600
254335080170501	G - 432	25 43 35 N	080 17 05 W	10-16-89	1320	280
				04-23-90	2200	580
254457080160301	G -3229	25 44 57 N	080 16 03 W	10-16-89	1030	240
				04-23-90	1540	370
254748080155701	F - 483	25 47 48 N	080 15 57 W	10-16-89	610	70
254813080161501	G -1351	25 48 13 N	080 16 15 W	10-16-89	700	150
				04-05-90	4300	1100
				04-23-90	1100	270
				05-03-90	3350	580
				05-25-90	2920	720
				09-27-90	3500	920
254813080170001	G -1350	25 48 13 N	080 17 00 W	10-16-89	510	26
				04-23-90	465	28
254833080155801	G -1354	25 48 33 N	080 15 58 W	10-20-89	725	100
				04-27-90	730	100
254834080162801	G - 570	25 48 34 N	080 16 28 W	10-20-89	1020	200
254834080162801	G - 570	25 48 34 N	080 16 28 W	04-23-90	1000	180
254836080165201	G - 577	25 48 36 N	080 16 52 W	10-20-89	495	40
				04-23-90	550	40
254841080164401	G - 571	25 48 41 N	080 16 44 W	10-20-89	655	72
				04-23-90	650	66
				09-27-90	700	72
254842080161502	G - 355	25 48 42 N	080 16 15 W	10-20-89	770	110
				04-23-90	750	100
254842080173401	F - 414	25 48 42 N	080 17 34 W	10-20-89	410	46
				04-23-90	445	46
254842080174301	F - 441	25 48 42 N	080 17 43 W	10-20-89	620	58
				04-23-90	620	66
254849080154802	G - 576	25 48 49 N	080 15 48 W	10-20-89	760	96
				09-28-90	690	74
254855080163701	G - 548	25 48 55 N	080 16 37 W	10-20-89	1270	280
				04-23-90	1250	250
				09-28-90	1400	310
254943080121501	F - 45	25 49 43 N	080 12 15 W	10-18-89	670	120
				04-05-90	840	120
				04-23-90	820	150
				05-04-90	730	130
				05-25-90	720	130
255222080123001	G -3224	25 52 22 N	080 12 30 W	10-18-89	600	44

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
DADE COUNTY--Continued

199

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
255315080111501	F - 279	25 53 15 N	080 11 15 W	10-18-89 04-23-90	6050 5850	1800 1900
255350080105801	G - 894	25 53 50 N	080 10 58 W	10-18-89 04-05-90 04-27-90 05-03-90 05-25-90 08-31-90 09-25-90	825 1200 930 970 880 820 800	130 120 120 110 100 90 100
255357080114201	G - 430	25 53 57 N	080 11 42 W	10-18-89 04-27-90	560 430	38 34

WATER RESOURCES DATA FOR FLORIDA, 1990
VOLUME 2B: SOUTH FLORIDAKEY TO SITE LOCATIONS ON FIGURE 7
GLADES COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	264623081213601	HE 517	202
2	264910081280101	GL 319	202
2	264910081280102	GL 320	203
2	264910081280103	GL 321	204

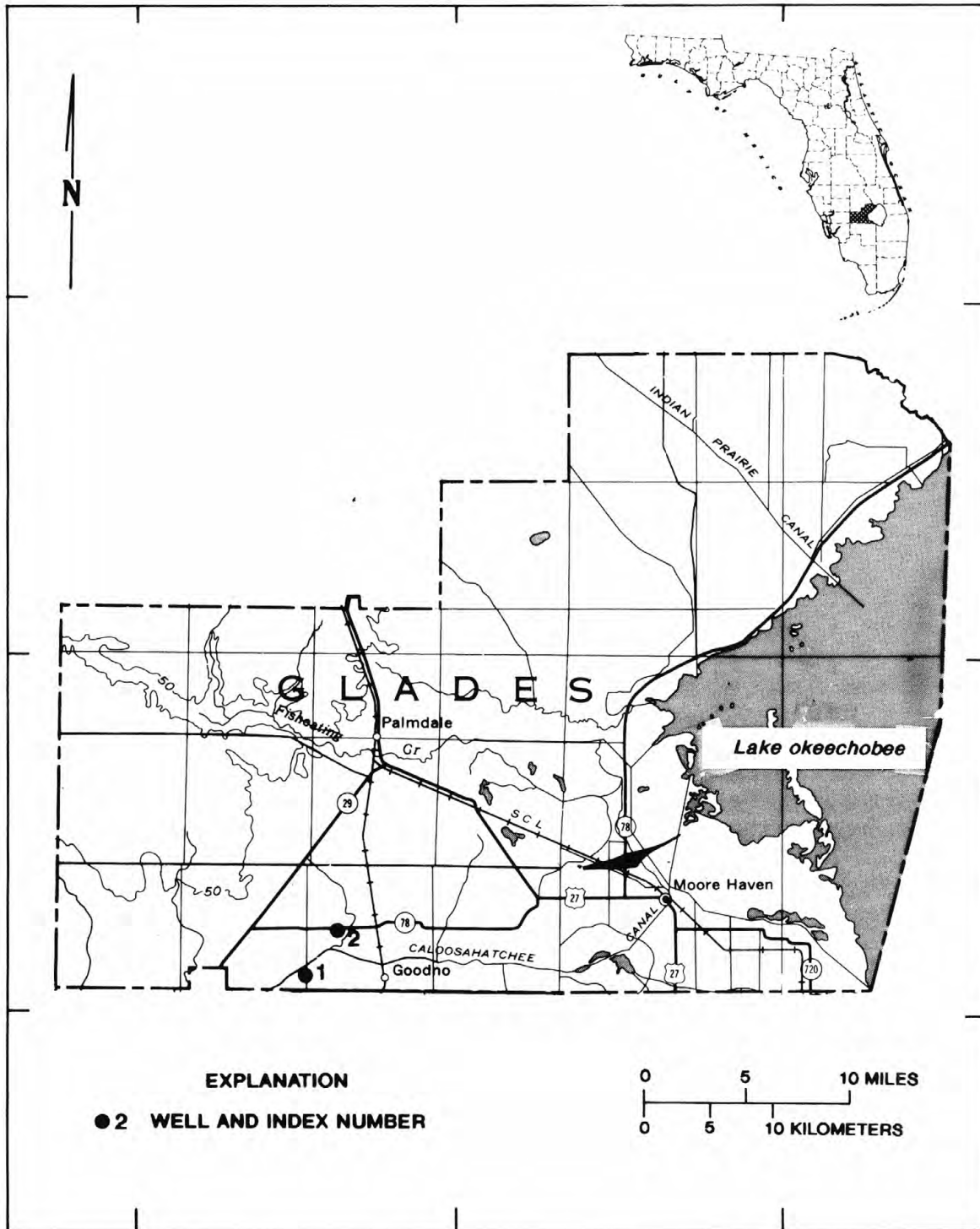


Figure 7: Location of wells in Glades County

GLADES COUNTY

WELL NUMBER.--264623081213601. Local Number HE 517.

LOCATION.--Lat 26°46'12", long 81°22'29", in SE¼NW¼ sec.36, T.42 S., R.29 E., Hydrologic Unit 03090205, 0.3 mi north of State Highway 80, and 3.0 mi west of Goodno. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in., depth 138 ft, cased to 128 ft.

REVISED RECORDS.--WDR FL-79-2B: 1977-78.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 16.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf floor, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.29 ft NGVD; June 25, 1982; lowest, 7.64 ft NGVD, June 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.95	11.36	10.04	9.70	10.18	9.68	9.54	9.26	8.76	9.81	10.39	11.28
10	11.25	9.62	10.42	9.41	9.47	9.33	9.00	8.53	9.52	9.85	10.44	10.65
15	12.47	10.82	10.07	9.76	9.74	8.84	8.91	9.25	9.01	11.04	11.27	10.19
20	11.71	10.80	9.85	9.81	9.99	8.74	8.40	9.20	8.72	10.88	11.67	10.20
25	11.75	10.58	10.11	8.94	10.05	9.27	8.21	9.01	9.78	10.63	11.76	10.03
EOM	11.56	10.40	10.12	9.38	9.70	9.34	9.72	9.02	9.76	9.45	11.44	10.80
MEAN	11.61	10.72	10.04	9.59	9.78	9.14	8.81	9.10	9.12	10.29	10.86	10.57
MAX	12.47	11.49	10.50	10.32	10.22	9.73	9.72	9.69	9.78	11.12	11.90	11.82
MIN	10.95	9.62	9.42	8.94	9.03	8.38	7.78	8.28	8.42	9.23	9.30	9.66

WTR YR 1990 MEAN 9.97 MAX 12.47 OCT 15 MIN 7.78 APR 27

WELL NUMBER.--264910081280101. Local Number GL 319.

LOCATION.--Lat 26°49'10", long 81°28'01", in NW¼SW¼ sec.18, T.42 S., R.29 E., Hydrologic Unit 03090205, 50 ft south of CR 720, 2.5 mi east of Muce, 4.0 mi west of SR 29. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 462 ft, cased to 400 ft, 62 ft open hole.

INSTRUMENTATION.--Measured monthly with pressure gage.

DATUM.--Land-surface datum is 39.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1985 to current year. Water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.5 ft NGVD, Aug. 28, 1987; lowest measured, 46.70 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0945	48.80	24...	1320	48.40
23...	1045	49.70	MAY		
NOV			23...	1420	48.20
27...	1010	49.00	JUN		
DEC			25...	1630	49.70
28...	1005	46.80	JUL		
JAN			31...	1130	50.60
29...	1050	47.50	AUG		
FEB			29...	1005	50.60
28...	1300	47.90			
MAR					
27...	0835	48.00			

GLADES COUNTY

WELL NUMBER.--264910081280102. Local Number GL 320.

LOCATION.--Lat 26°49'10", long 81°28'01", in NW¼SW¼ sec.18, T.42 S., R.29 E., Hydrologic Unit 03090205, 50 ft south of CR 720, 2.5 mi east of Muce, 4.0 mi west of SR 29. Owner: South Florida Water Management District.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 80 ft, cased to 60 ft, 20 ft of open hole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 39.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.38 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1985 to current year. Water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.36 ft NGVD, Sept. 1, 1988; lowest measured, 33.88 ft NGVD, Apr. 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0940	39.51	24...	1340	33.88
23...	1035	38.91	MAY		
NOV			23...	1410	35.99
27...	1010	37.20	JUN		
DEC			25...	1625	37.91
28...	1000	36.50	JUL		
JAN			31...	1125	38.97
29...	1055	36.68	AUG		
FEB			29...	1005	39.33
28...	1305	35.79			
MAR					
27...	0830	34.28			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

GLADES COUNTY

WELL NUMBER.--264910081280103. Local Number GL 321.

LOCATION.--Lat 26°49'10", long 81°28'01", in NW¼SW¼ sec.18, T.42 S., R.29 E., Hydrologic Unit 03090205, 50 ft south of CR 720, 2.5 mi east of Muce, 4.0 mi west of SR 29. Owner: South Florida Water Management District.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 460 ft, cased to 400 ft, 60 ft of open hole.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 39.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.26 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1985 to current year. Water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.0 ft NGVD, Oct. 29, 1987; lowest measured, 49.0 ft NGVD, Dec. 28, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0940	51.00	24...	1330	49.80
23...	1025	51.20	MAY		
NOV			23...	1410	49.60
27...	1127	50.90	JUN		
DEC			25...	1625	50.60
28...	1000	49.00	JUL		
JAN			31...	1120	51.40
29...	1050	50.80	AUG		
FEB			29...	1000	51.50
28...	1300	50.40			
MAR					
27...	0830	49.08			

WATER RESOURCES DATA FOR FLORIDA, 1990
VOLUME 2B: SOUTH FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 8
HENDRY COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
21	261746081061803	HE 1062	208
21	261746081061804	HE 1063	208
16	261801081042501	HE 884	209
1	261735080534001	HE 861	209
1	261735080534002	HE 862	210
2	261859080585401	HE 3	210
22	262214081113003	HE 1044	211
22	262214081113001	HE 1042	211
22	262214081113002	HE 1043	212
3	262118081002901	HE 868	212
4	262635081044601	HE 860	213
4	262735081044602	HE 859	213
5	263035081073501	HE 855	214
5	263035081073502	HE 856	214
23	263207080553101	HE 1075	215
24	263213081040801	HE 1036	215
24	263213081040802	HE 1037	216
6	263310081250901	HE 529	216
6	263310081250902	HE 554	217
7	263515081012001	HE 854	217
25	263514081170701	HE 1027	218
25	263514081170702	HE 1028	218
25	263514081170703	HE 1029	219
17	263548081200601	HE 852	219
18	263618081143001	HE 853	220
8	263700080550001	HE 339	220
9	263700081070001	HE 5	221
26	263839081203901	HE 1077	222
26	263840081203901	HE 1076	223
10	263845081260701	HE 555	224
10	263845081260702	HE 556	225
10	263845081260703	HE 851	225
11	263930081301501	HE 559	226
11	263930081301502	HE 560	226
11	263930081301503	HE 569	227
27	264046081022801	HE 1068	227
27	264046081022802	HE 1069	228
12	264137081040701	HE 629	228
19	264235081074401	HE 858	229
13	264235081310601	HE 557	229
13	264235081310602	HE 558	230
14	264353081281101	HE 620	230
15	264535081130701	HE 857	231
20	264601081213102	HE 516	232

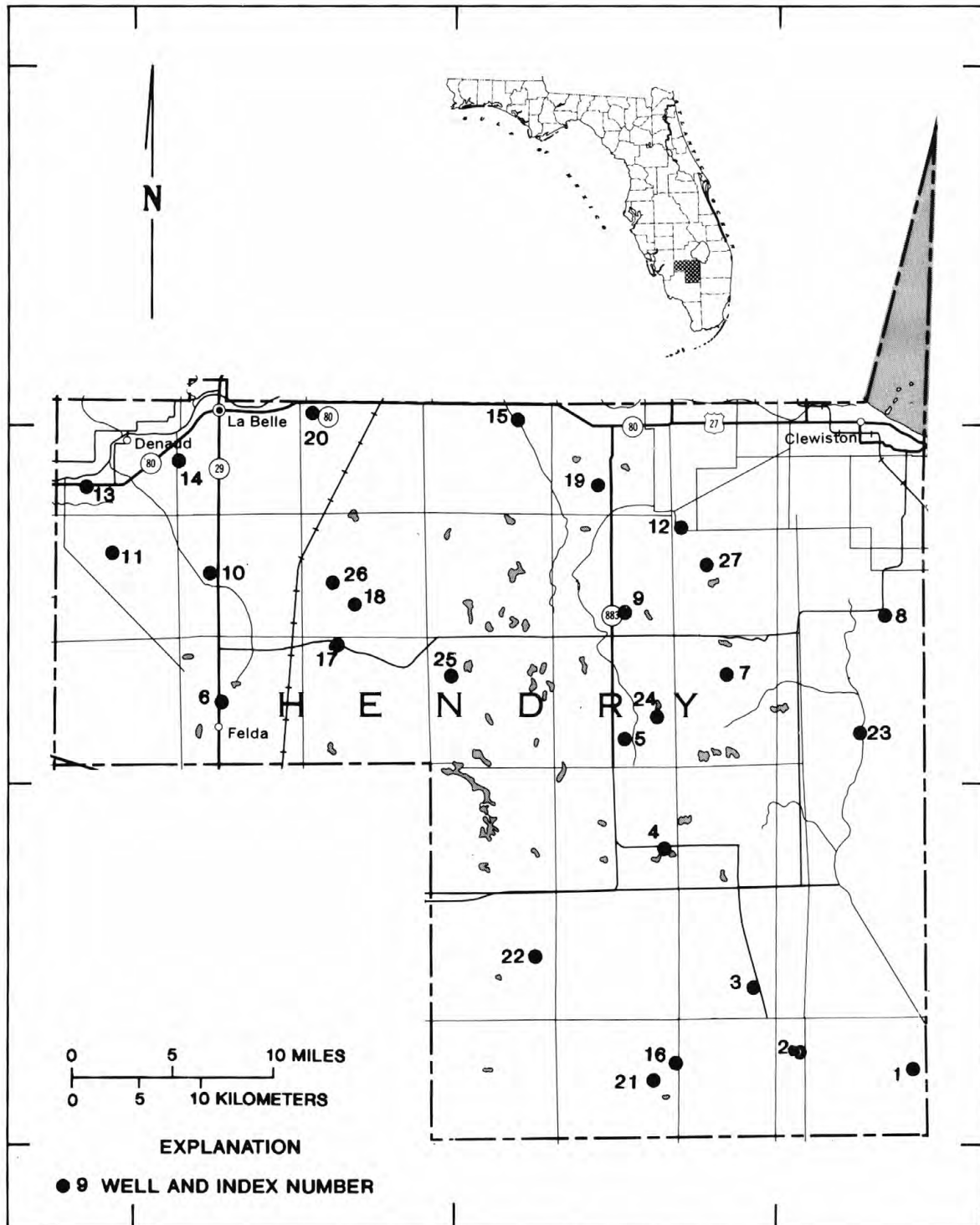


Figure 8: Location of wells in Hendry County

HENDRY COUNTY

WELL NUMBER.--261746081061803. Local Number HE 1062.

LOCATION.--Lat 26°17'46", long 81°06'18", in NW¼NW¼ sec.23, T.48 S., R.31 E., Hydrologic Unit 03090202, 20 ft south of road, 2 mi west of Feeder Canal, 7.5 mi from C-833 on Government Road by Bingo Parlor 32 mi south of Clewiston. Owner: Department of the Interior.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 10 ft, cased to 5 ft, 5 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.34 ft NGVD, Nov. 23, 1987; lowest measured, 11.66 ft NGVD, June 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1655	17.61	29...	1200	12.92
25...	1230	16.53	APR		
NOV			26...	1210	13.68
27...	1225	15.27	MAY		
DEC			24...	1130	12.41
27...	1110	15.57	JUN		
JAN			25...	1110	11.66
31...	1135	14.70	AUG		
FEB			02...	1100	14.11
27...	1050	13.17	30...	1045	15.85

WELL NUMBER.--261746081061804. Local Number HE 1063.

LOCATION.--Lat 26°17'46", long 81°06'18", in NW¼NW¼ sec.23, T.48 S., R.32 E., Hydrologic Unit 03090202, 20 ft south of road, 2 mi west of Feeder Canal, 7.5 mi from C-833 on Government Road by Bingo Parlor, 32 mi south of Clewiston.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 123 ft, cased to 78 ft, 45 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.08 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.41 ft NGVD, Nov. 23, 1987; lowest measured, 12.72 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1655	18.10	29...	1205	13.99
25...	1230	17.26	APR		
NOV			26...	1200	14.16
28...	1230	16.11	MAY		
DEC			24...	1130	12.72
27...	1110	16.43	JUN		
JAN			25...	1105	12.96
31...	1135	15.83	AUG		
FEB			02...	1100	15.59
27...	1050	15.37	30...	1045	17.25

HENDRY COUNTY

WELL NUMBER.--261801081042501. Local Number HE 884.

LOCATION.--Lat 26°18'01", long 81°04'25", in SW¼SW¼ sec.18, T.48 S., R.33 E., Hydrologic Unit 03090202, 100 ft from SW corner of bridge over West Feeder Canal, 5.5 mi from SR 833 on Government Rd by Bingo Parlor 30 mi south of Clewiston. Owner: Department of Interior.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 67 ft, cased to 62 ft, openhole 62-67 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.96 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to October 1979, October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.37 ft NGVD, June 30, 1988; lowest measured, 12.41 ft NGVD, May 22, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1650	17.03	29...	1150	14.48
25...	1245	16.48	APR		
NOV			26...	1145	14.85
28...	1230	15.16	MAY		
DEC			22...	1120	12.41
27...	1105	16.31	JUN		
JAN			25...	1055	13.70
31...	1130	16.07	AUG		
FEB			02...	1105	14.81
27...	1050	15.07	30...	1050	16.19

WELL NUMBER.--261735080534001. Local Number HE 861.

LOCATION.--Lat 26°18'05", long 80°53'40", in NW¼NW¼ sec.24, T.48 S., R.34 E., Hydrologic Unit 03090202, on the south side of County Highway 833, .75 mi west of the Broward County line and 5.2 mi east of the Big Cypress Forest Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 70 ft, cased to 37 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.42 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.78 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to November 1977, monthly measurements. December 1977 to September 1983, water level recorder. October 1983 to current year. Prior record is available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.40 ft NGVD, Aug. 24 and 25, 1978; lowest, 7.04 ft NGVD, May 31, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1440	12.64	29...	1300	7.94
25...	1150	11.76	APR		
NOV			26...	1035	7.69
28...	1150	11.01	MAY		
DEC			24...	1050	7.22
27...	1040	11.55	JUN		
JAN			25...	1035	10.56
31...	1100	10.77	AUG		
FEB			02...	1035	10.61
27...	1030	10.38	30...	1020	12.41

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY

WELL NUMBER.--261735080534002. Local Number HE 862.

LOCATION.--Lat 26°18'05", long 80°53'40", in NW¼NW¼ sec.24, T.48 S., R.34 E., Hydrologic Unit 03090202, on the south side of County Highway 833, .75 mi west of the Broward County line and 5.2 mi east of the Big Cypress Forest Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 10.7 ft, cased to 7 ft.

INSTRUMENTATION.--Digital water level recorder -- 60-minute punch.

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.

REMARKS.--Well also sampled for water quality. Water levels estimated Jan. 8 - Feb. 27, Mar. 30 - Apr. 26, 1990 water year.

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 water level measured, 17.43 ft NGVD, Aug. 18, 1978; lowest measured, 9.48 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.21	12.23	11.70	11.81	11.24	9.57	10.42	9.96	9.88	12.30	12.42	12.79
10	13.14	12.04	11.79	11.78	10.71	9.69	10.37	9.80	10.21	12.00	13.02	12.52
15	12.94	11.88	11.82	11.74	10.30	9.82	10.34	9.73	10.19	12.68	13.25	12.57
20	12.58	11.88	11.75	11.71	10.07	10.02	10.30	9.56	11.22	12.39	13.06	12.68
25	12.45	11.77	11.98	11.69	9.74	10.18	10.20	9.72	11.72	12.16	13.15	12.92
EOM	12.27	11.86	11.86	11.64	9.52	10.61	10.14	9.83	12.06	11.87	13.50	12.70
MEAN	12.81	11.97	11.83	11.74	10.46	9.93	10.33	9.79	10.68	12.22	12.87	12.78
MAX	13.36	12.24	12.01	11.85	11.60	10.69	10.57	10.11	12.12	12.68	14.06	13.16
MIN	12.27	11.76	11.70	11.64	9.52	9.54	10.14	9.48	9.86	11.87	11.77	12.52

WTR YR 1990 MEAN 11.46 MAX 14.06 AUG 30 MIN 9.48 MAY 23

WELL NUMBER.--261859080585401. Local Number HE 3.

LOCATION.--Lat 26°18'59", long 80°58'54", in SW¼SE¼ sec.12, T.48 S., R.33 E., Hydrologic Unit 03090202, in Big Cypress Indian Reservation, 12.2 mi southeast of Intersection of State Highway 846 and State Highway 833, and 30.4 mi south of Clewiston. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 10 ft, cased to 8.2 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.52 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1950 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.38 ft NGVD; June 24, 1982; lowest, 12.79 ft NGVD, June 6-12, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1640	18.05	29...	1240	14.79
25...	1210	17.46	APR		
NOV			26...	1125	13.86
28...	1215	16.23	JUN		
DEC			25...	1045	15.67
27...	1055	16.16	AUG		
JAN			02...	1045	16.34
31...	1110	15.83	30...	1030	16.92
FEB					
27...	1035	15.70			

HENDRY COUNTY

WELL NUMBER.--262214081113003. Local Number HE 1044.

LOCATION.--Lat 26°22'14", long 81°11'13", in NE¼NE¼ sec.26, T.47 S., R.31 E., Hydrologic Unit 03090202, at windmill, 325 ft east of road, 4.8 mi south of C-846, 11.2 mi east of SR 29. Owner: Barron Collier Corporation.

AQUIFER.--Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 400 ft, cased to 320 ft, 80 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of gate value, 2.09 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.00 ft NGVD, Jan. 24, 1989; lowest measured, 35.30 ft NGVD, Oct. 29, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1205	35.50	23...	1345	36.50
24...	1210	38.10	MAY		
NOV			23...	1215	37.70
30...	1135	37.70	JUN		
DEC			26...	1100	36.70
29...	1200	37.70	AUG		
FEB			01...	1340	38.80
01...	1135	37.90	27...	1305	39.40
26...	1345	37.90	SEP		
MAR			27...	1130	39.30
27...	1230	38.30			

WELL NUMBER.--262214081113001. Local Number HE 1042.

LOCATION.--Lat 26°22'14", long 81°11'30", in NE¼NE¼ sec.26, T.47 S., R.31 E., Hydrologic Unit 03090202, 325 ft east of road, 4.8 mi south of C-846, 11.2 miles east of SR 29. Owner: Barron Collier Corporation.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 80 ft, cased to 40 ft, 40 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.89 ft NGVD, Jan. 26, 1988; lowest measured, 18.02 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1210	21.81	23...	1355	18.02
24...	1210	21.43	MAY		
NOV			23...	1215	19.59
30...	1130	20.29	JUN		
DEC			26...	1055	19.03
29...	1200	20.32	AUG		
FEB			02...	1335	20.37
01...	1140	19.75	27...	1305	22.05
26...	1340	19.74			
MAR					
27...	1220	18.66			

HENDRY COUNTY

WELL NUMBER.--262214081113002. Local Number HE 1043.

LOCATION.--Lat 26°22'14", long 81°11'30", in NE¼NE¼ sec.26, T.47 S., R.31 E., Hydrologic Unit 03090202, 325 ft east of road, 4.8 mi south of C-846, 11.2 mi east of SR 29. Owner: Barron Collier Corporation.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 10 ft, cased to 5 ft, 5 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.81 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.72 ft NGVD, Nov. 24, 1987; lowest measured, 18.80 ft NGVD, Mar. 27, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
05...	1205	22.61	23...	1210	20.66
24...	1210	20.27	JUN		
NOV			26...	1055	19.45
30...	1130	20.04	AUG		
DEC			02...	1335	21.02
29...	1200	20.24	27...	1300	22.26
FEB			SEP		
01...	1140	19.62	27...	1130	21.02
26...	1340	19.81			
MAR					
27...	1220	18.80			

WELL NUMBER.--262118081002901. Local Number HE 868.

LOCATION.--Lat 26°22'25", long 81°01'01", in SW¼SE¼ sec.22, T.47 S., R.33 E., Hydrologic Unit 03090202, 25 ft from the east side of County Highway 833, 4 mi south of County Highway 846, approximately 24 mi south of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 97 ft, cased to 84 ft.

INSTRUMENTATION.--Monthly measurement with chalk tape.

DATUM.--Land-surface datum is 20.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979. November 1985 to current year. Prior years available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.45 ft NGVD, July 2, 1986; lowest measured, 14.18 ft NGVD, Apr. 26, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1720	20.08	29...	1135	14.53
25...	1300	18.72	APR		
NOV			26...	1245	14.18
28...	1245	17.06	MAY		
DEC			24...	1150	15.21
27...	1125	17.03	JUN		
JAN			25...	1130	16.90
31...	1150	15.96	AUG		
FEB			02...	1115	17.51
27...	1105	15.36	30...	1100	18.10

HENDRY COUNTY

WELL NUMBER.--262735081044601. Local Number HE 860.

LOCATION.--Lat 26°27'35", long 81°04'46", in SE½SE¼ sec.24, T.46 S., R.33 E., Hydrologic Unit 03090204, on the north side of County Highway 846, 3 mi east of County Highway 833, and 23 mi east of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 16.5 ft, cased to 9 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.03 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979. November 1985 to current year. Records of water levels prior to November 1985 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.25 ft NGVD, Aug. 30, 1988; lowest measured, 21.04 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1330	23.87	29...	1115	21.30
25...	1320	23.29	APR		
NOV			26...	1305	21.30
28...	1255	22.50	MAY		
DEC			24...	1200	21.04
27...	1135	22.38	JUN		
JAN			25...	1140	22.34
31...	1200	21.98	AUG		
FEB			02...	1130	23.58
27...	1115	21.92	30...	1110	23.99

WELL NUMBER.--262735081044602. Local Number HE 859.

LOCATION.--Lat 26°27'35", long 81°04'46", in SE½SE¼ sec.24, T.46 S., R.32 E., Hydrologic Unit 03090204, on the north of County Highway 846, 3 mi east of County Highway 833 and 23 mi east of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 59 ft, cased to 58 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979, November 1985 to current year. Records of water levels prior to October 1985 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.21 ft NGVD, Aug. 29, 1986; lowest measured, 11.58 ft NGVD, Apr. 26, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1330	23.23	29...	1115	19.14
25...	1315	21.94	APR		
NOV			26...	1300	19.09
28...	1250	20.30	MAY		
DEC			24...	1205	20.08
27...	1135	21.31	JUN		
JAN			25...	1145	21.97
31...	1200	20.12	AUG		
FEB			02...	1130	22.52
27...	1115	20.26	30...	1110	23.62

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY

WELL NUMBER.--263035081073501. Local Number HE 855.

LOCATION.--Lat 26°31'35", long 81°07'35", in SW¼NW¼ sec.34, T.45 S., R.32 E., Hydrologic Unit 03090202, on State Highway 833, 15 mi south of State Highway 80, and 19 mi northeast of Immokalee. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami Aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 90 ft, cased to 70 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.57 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1979 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 28.28 ft NGVD, Aug. 30, 1988; lowest, 18.58 ft NGVD, May 1, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1250	25.01	29...	1050	20.59
25...	1340	22.70	APR		
NOV			25...	1300	22.30
28...	1400	22.50	MAY		
DEC			24...	1235	21.77
27...	1200	23.23	JUN		
JAN			25...	1020	23.94
31...	1210	23.21	AUG		
FEB			02...	1155	24.18
27...	1130	23.05	30...	1120	26.90

WELL NUMBER.--263035081073502. Local Number HE 856.

LOCATION.--Lat 26°31'35", long 81°07'35", in SW¼NW¼ sec.34, T.45 S., R.32 E., Hydrologic Unit 03090202, on State Highway 833, 15 mi south of State Highway 80, and 19 mi northeast of Immokalee. Owner: U.S. Geological Survey.

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 9 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.09 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1979 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.44 ft NGVD, Oct. 31, 1986; lowest, 23.16 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1245	25.75	29...	1055	23.30
25...	1340	25.34	APR		
NOV			25...	1305	23.66
28...	1400	24.37	MAY		
DEC			24...	1235	23.16
27...	1200	24.31	JUN		
JAN			25...	1220	24.77
31...	1210	23.98	AUG		
FEB			02...	1155	24.75
27...	1125	23.96	30...	1120	27.12

HENDRY COUNTY

WELL NUMBER.--263207080553101. Local Number HE 1075.

LOCATION.--Lat 26°32'07", long 80°55'03", in SE¼SW¼ sec.27, T.45 S., R.34 E., Hydrologic Unit 03090202, 60 ft north of Barn, 6.6 mi south of HE 339 and C 832, 15 mi south of Clewiston. Owner: U.S. Sugar.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 155 ft, cased to 135 ft, 20 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft below land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.06 ft NGVD; Aug. 30, 1990; lowest measured, 10.92 ft NGVD, Nov. 23, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1130	12.08	29...	0940	11.83
25...	1445	11.96	APR		
NOV			25...	1430	11.44
28...	1450	12.45	MAY		
DEC			24...	1340	11.50
27...	1240	12.16	JUN		
JAN			25...	1330	11.32
31...	1250	11.69	AUG		
FEB			02...	1240	11.45
27...	1210	11.76	30...	1205	13.06

WELL NUMBER.--263213081040801. Local Number HE 1036.

LOCATION.--Lat 26°32'13", long 81°04'08", in NE¼SW¼ sec.30, T.45 S., R.33 E., Hydrologic Unit 03090202, 400 ft north of Dooley Road, 3.5 mi east of S 833, 20 mi southeast of Clewiston. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 10 ft, cased to 5 ft, 5 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.34 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.03 ft NGVD, Aug. 30, 1988; lowest measured, 20.81 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1235	23.46	29...	1020	21.98
25...	1400	23.04	APR		
NOV			25...	1330	22.21
28...	1415	22.40	MAY		
DEC			24...	1255	20.81
27...	1207	22.88	JUN		
JAN			25...	1250	22.37
31...	1220	22.33	AUG		
FEB			02...	1155	22.40
27...	140	22.45	30...	1130	24.13

HENDRY COUNTY

WELL NUMBER.--263213081040802. Local Number HE 1037.

LOCATION.--Lat 26°32'13", long 81°04'08", in NE¼SW¼ sec.30, T.45 S., R.33 E., Hydrologic Unit 03090202, 400 ft north of Dooley Road, 3.5 mi east of S 833, 20 mi southeast of Clewiston. Owner: South Florida Water Management District.

AQUIFER.--Limestone aquifer of the Pleistocene Age, Geologic Unit 112 LMSN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 120 ft, cased to 50 ft, 70 ft of 2 inch screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 26.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.21 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.85 ft NGVD, Nov. 23, 1987; lowest measured, 21.27 ft NGVD, Oct. 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1230	23.72	29...	1015	21.54
25...	1400	23.18	APR		
NOV			25...	1330	21.57
28...	1415	22.30	MAY		
DEC			24...	1255	23.57
27...	1215	22.47	JUN		
JAN			25...	1245	22.08
31...	1220	22.02	AUG		
FEB			02...	1200	24.24
27...	1140	22.00	30...	1135	25.81

WELL NUMBER.--263310081250901. Local Number HE 529.

LOCATION.--Lat 26°33'10", long 81°25'09", in NW¼NW¼ sec.21, T.45 S., R.29 E., Hydrologic Unit 03090205, 1.0 mi west of State Highway 29, and 1.0 mi north of Felda. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 155 ft, cased to 135 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 32.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf floor, 2.55 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 31.69 ft NGVD, Oct. 5, 1982; lowest, 23.91 ft NGVD, Mar. 29, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.55	28.96	27.46	28.11	28.30	28.25	26.81	26.32	27.45	29.03	29.47	29.99
10	29.54	28.53	28.56	28.26	27.68	27.11	26.56	26.06	27.95	29.11	30.06	29.64
15	29.62	28.23	25.56	27.56	27.96	25.92	23.98	26.53	27.05	30.23	30.30	29.87
20	29.67	28.44	27.81	27.69	27.00	25.76	25.37	26.77	27.74	29.92	30.69	29.77
25	29.47	27.98	26.77	28.13	28.48	24.68	26.92	26.82	28.77	30.12	30.26	29.49
EOM	29.31	28.31	28.32	28.27	28.42	26.46	27.22	24.59	28.56	29.66	30.29	30.11
MEAN	29.54	28.47	27.45	27.85	28.02	26.27	25.83	26.51	27.76	29.63	30.10	29.75
MAX	29.81	29.29	28.59	28.27	28.51	28.35	27.22	26.91	28.77	30.23	30.73	30.22
MIN	29.17	27.72	25.10	26.88	26.98	23.91	23.98	24.59	25.88	28.73	29.02	29.24
WTR YR 1990	MEAN	28.10	MAX	30.73	AUG 21	MIN	23.91	MAR 29				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

217

HENDRY COUNTY

WELL NUMBER.--263310081250902. Local Number HE 554.

LOCATION.--Lat 26°33'10", long 81°25'09", in NW¼NW¼ sec.21, T.45 S., R.29 E., Hydrologic Unit 03090205, 1.0 mi west of State Highway 29, and 1.0 mi north of Felda. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of 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 32.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf floor, 2.58 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.22 ft NGVD, Oct. 31, 1986; lowest daily maximum water level, 26.74 ft NGVD, June 3, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1135	30.15	27...	1110	28.37
23...	1350	29.83	APR		
NOV			25...	1110	28.72
27...	1225	28.88	JUN		
DEC			26...	0915	29.92
28...	1155	29.41	JUL		
JAN			31...	1555	30.52
29...	1305	29.22	AUG		
FEB			29...	1320	31.62
26...	0950	29.57			

WELL NUMBER.--263515081012001. Local Number HE 854.

LOCATION.--Lat 26°35'10", long 81°02'06", in SE¼NE¼ sec.9, T.45 S., R.33 E., Hydrologic Unit 03090202, on the north side of Hill Grade Road, 3.35 mi west of State Road 846, and 16 mi south of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 14 ft, cased to 3 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 casing, 2.85 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979, February 1986 to current year. Records of water levels prior to February 1986 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.63 ft NGVD, Oct. 31, 1986; lowest measured, 18.02 ft NGVD, June 27, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			FEB		
03...	1210	20.46	27...	1225	18.94
25...	1510	19.20	MAR		
NOV			29...	0855	18.40
28...	1505	18.83	JUN		
DEC			25...	1415	18.85
27...	1310	19.36	AUG		
JAN			02...	1300	18.89
31...	1310	18.94	30...	1235	21.52

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY

WELL NUMBER.--263514081170701. Local Number HE 1027.

LOCATION.--Lat 26°35'14", long 81°17'07", in NE¼NW¼ sec.12, T.45 S., R.30 E., Hydrologic Unit 03090205, 500 ft south of CR 832, 3.5 mi east of Keri Firetower, 21 mi southeast of La Belle. Owner: South Florida Water Management District.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 7 ft, cased to 4 ft, 3 feet of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.71 ft NGVD; Nov. 23, 1987; lowest, 25.85 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1105	29.08	27...	1030	26.03
23...	1300	28.42	APR		
NOV			25...	1205	26.51
27...	1145	26.59	MAY		
DEC			24...	1610	27.57
28...	1123	27.03	JUL		
JAN			31...	1520	29.41
29...	1210	26.48	AUG		
FEB			29...	1245	29.58
28...	1445	26.89			

WELL NUMBER.--263514081170702. Local Number HE 1028.

LOCATION.--Lat 26°35'14", long 81°17'07", in NE¼NW¼ sec.12, T.45 S., R.30 E., Hydrologic Unit 03090205, 500 ft south of CR 832, 3.5 mi east of Keri Firetower, 21 mi southeast of La Belle. Owner: South Florida Water Management District.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 60 ft, cased to 40 ft, 20 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.32 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.48 ft NGVD, Sept. 1, 1988; lowest measured, 25.67 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1105	28.52	27...	1035	25.87
23...	1300	28.11	APR		
NOV			25...	1210	25.75
27...	1145	26.62	MAY		
DEC			24...	1610	25.67
28...	1125	26.96	JUL		
JAN			31...	1520	28.00
29...	1245	26.49	AUG		
FEB			29...	1245	28.83
28...	1445	26.90			

HENDRY COUNTY

WELL NUMBER.--263514081170703. Local Number HE 1029.

LOCATION.--Lat 26°35'14", long 81°17'07", in NE¼NW¼ sec.12, T.45 S., R.30 E., Hydrologic Unit 03090205, 500 ft south of CR 832, 3.5 mi east of Keri Firetower, 21 mi southeast of La Belle. Owner: South Florida Water Management District.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 182 ft, cased to 92 ft, 70 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.64 ft NGVD, Dec. 28, 1987; lowest measured, 25.71 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1105	28.51	27...	1035	25.85
23...	1300	28.09	APR		
NOV			25...	1210	25.77
27...	1145	26.61	MAY		
DEC			24...	1610	25.71
28...	1125	26.96	JUL		
JAN			31...	1520	27.98
29...	1245	26.48	AUG		
FEB			29...	1245	28.88
28...	1440	26.88			

WELL NUMBER.--263548081200601. Local Number HE 852.

LOCATION.--Lat 26°35'48", long 81°20'06", in NW¼SW¼ sec.4, T.45 S., R.30 E., Hydrologic Unit 03090205, 50 ft south of County Rd. 832 at Kery Fire Tower, 6.3 mi east of State Rd. 29, 18 mi southeast of Labelle. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 14 ft, cased to 9 ft, 5 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurements with chalked tape.

DATUM.--Land-surface datum is 29.99 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft, above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to October 1979, October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.84 ft NGVD, Oct. 31, 1986; lowest measured, 24.57 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1115	27.02	25...	1145	24.96
23...	1320	27.15	MAY		
NOV			24...	1620	24.57
27...	1150	26.22	JUN		
DEC			26...	0935	26.67
28...	1130	26.44	JUL		
JAN			31...	1440	27.51
29...	1250	25.75	AUG		
FEB			29...	1230	28.77
28...	1435	26.26			
MAR					
27...	1020	25.32			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY

WELL NUMBER.--263618081143001. Local Number HE 853.

LOCATION.--Lat 26°36'18", long 81°14'30", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.32, T.44 S., R.31 E., Hydrologic Unit 03090205, 50 ft north of County Rd 832, 7 mi west of County Rd 833, 20 mi southwest of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 112 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in., depth 61 ft, cased to 17 ft, 44 ft openhole.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 29.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to October 1979, October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.02 ft NGVD, Oct. 31, 1986; lowest measured, 23.97 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1100	27.71	27...	1045	24.77
23...	1245	27.41	MAY		
NOV			24...	1550	23.97
27...	1135	26.03	JUN		
DEC			26...	0955	26.21
28...	1115	26.47	JUL		
JAN			31...	1505	26.60
29...	1230	25.65	AUG		
FEB			29...	1255	28.48
28...	1450	26.17			

WELL NUMBER.--263700080550001. Local Number HE 339.

LOCATION.--Lat 26°37'27", long 80°55'10", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.44 S., R.34 E., Hydrologic Unit 03090205, 25 ft west of State Road 832, 8.3 mi south of Clewiston, and 24.4 mi southeast of Ortona Lock. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 9.5 ft, cased to 5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.01 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.52 ft NGVD, Sept. 21, 1964; lowest measured, 10.80 ft NGVD, Aug. 29, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1110	12.68	29...	0920	12.65
25...	1435	12.17	APR		
NOV			25...	1400	12.64
28...	1440	12.43	JUN		
DEC			25...	1320	13.03
27...	1230	12.99	AUG		
JAN			02...	1230	12.26
31...	1240	12.86	30...	1245	13.88
FEB			SEP		
27...	1200	12.37	14...	1100	13.91

HENDRY COUNTY

WELL NUMBER.--263700081070001. Local Number HE 5.

LOCATION.--Lat 26°37'50", long 81°07'40", in NW¼NW¼ sec.27, T.44 S., R.32 E., Hydrologic Unit 03090202, on State Highway 833, 8.1 mi south of State Highway 80, and 20 mi southeast of La Belle. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 13 ft, cased to 8.7 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.04 ft above National Geodetic Vertical Datum of 1929. Prior to January 1974, land-surface datum was considered to be 27.26 ft above NGVD. January 1974 to September 1974, land-surface datum was considered to be 25.00 ft above NGVD. October 1974 to September 1975, land-surface datum was considered to be 28.16 ft above NGVD. See PERIOD OF RECORD. Measuring point: Top of casing, 2.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1941 to October 1967; August 1969 to current year. Records of water levels prior to August 1950 are available in files of the Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1975 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 27.22 ft NGVD, present datum, Oct. 2, 1951; lowest, 20.12 ft NGVD, present datum, May 22, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1040	24.51	27...	1615	22.57
26...	1010	23.45	APR		
NOV			25...	1515	22.14
28...	1520	23.32	JUN		
DEC			25...	1430	24.34
27...	1315	23.63	AUG		
JAN			02...	1405	24.25
31...	1320	23.22	30...	1245	25.79
FEB					
27...	1235	23.26			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY

WELL NUMBER.--26383908123901. Local Number HE 1077.

LOCATION.--Lat 26°38'39", long 81°20'39", in NW¼NE¼ sec.20, T.44 S., R.30 E., Hydrologic Unit 03090205, 600 ft south of Sears Road, 2 mi east of Sears, 5.7 mi east of SR 29, 9 mi southeast of La Belle. Owner: Alico.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 10 ft, cased to 5 ft, 5 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.74 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.62 ft NGVD, Sept. 1, 1988; lowest measured, 23.50 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1035	25.36	24...	1540	24.04
23...	1215	24.50	MAY		
NOV			23...	1620	24.03
27...	1045	24.10	JUN		
DEC			26...	1105	26.06
28...	1050	24.96	JUL		
JAN			31...	1415	25.78
29...	1200	24.31	AUG		
FEB			29...	1200	27.04
28...	1415	24.88			
MAR					
27...	1000	23.79			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

223

HENDRY COUNTY

WELL NUMBER.--263840081203901. Local Number HE 1076.

LOCATION.--Lat 26°38'40", long 81°20'39", in NW¼NE¼ sec.20, T.44 S., R.30 E., Hydrologic Unit 03090205, 500 ft south of Sears Road, 2 mi east of Sears, 5.7 mi east of SR 29, 9 mi southeast of La Belle. Owner: Alico.

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

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 340 ft, cased to 300 ft, 40 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.59 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.04 ft NGVD, July 31, 1990; lowest measured, 16.34 ft NGVD, May 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1035	24.60	24...	1535	17.18
23...	1200	25.41	MAY		
NOV			23...	1620	16.34
27...	1045	22.01	JUN		
DEC			26...	1100	22.14
28...	1050	20.13	JUL		
JAN			31...	1415	26.04
29...	1200	21.51	AUG		
FEB			29...	1210	25.48
28...	1415	20.95			
MAR					
27...	0955	17.17			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY

WELL NUMBER.--263845081260701. Local Number HE 555.

LOCATION.--Lat 26°38'45", long 81°26'07", in NW¼NW¼ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Highway 29 and Sears Road and 3.6 mi west of Sears. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 270 ft, cased to 250 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.27 ft NGVD, Nov. 6, 1985; lowest daily maximum water level, 8.58 ft NGVD, May 27, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1000	24.37	09...	0945	15.12
23...	1125	25.05	24...	1430	11.32
NOV			MAY		
27...	1115	21.44	07...	1020	10.75
DEC			JUN		
11...	1015	19.95	26...	0915	21.02
28...	1040	16.23	JUL		
JAN			31...	1225	24.32
16...	1030	19.53	AUG		
29...	1145	19.79	29...	1130	25.36
FEB			SEP		
28...	1400	18.70	27...	1340	21.61
MAR					
12...	0950	18.92			
27...	0940	13.58			

HENDRY COUNTY

WELL NUMBER.--263845081260702. Local Number HE 556.

LOCATION.--Lat 26°38'45", long 81°26'07", in NW¼NW¼ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Highway 29 and Sears Road, and 3.6 mi west of Sears. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 155 ft, cased to 135 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 30.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.52 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality. Water levels estimated Dec. 16-28, Jan. 20-28, May 1-23, 1990 water year.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.64 ft NGVD, Nov. 30, 1987; lowest, 6.54 ft NGVD, Mar. 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.04	22.71	18.43	18.49	19.90	19.04	15.62	11.09	17.97	21.76	23.92	24.93
10	24.14	22.58	19.56	18.99	17.14	16.92	12.89	12.28	19.06	22.41	23.93	24.87
15	24.24	22.10	18.76	18.99	16.45	16.40	8.60	13.47	19.89	22.88	24.22	23.78
20	24.38	22.11	17.76	19.00	14.02	14.67	7.95	14.72	20.35	23.19	24.55	23.70
25	24.42	21.51	11.25	18.93	17.25	14.62	9.87	15.65	20.85	23.53	24.76	21.39
EOC	23.77	20.93	17.16	19.23	18.44	12.66	10.18	17.01	21.23	23.76	24.87	21.66
MEAN	24.16	22.08	18.00	18.77	17.15	15.71	11.02	13.67	19.62	22.81	24.30	23.48
MAX	24.48	23.50	21.13	19.23	19.90	19.08	15.62	17.01	21.23	23.76	24.88	24.95
MIN	23.71	20.41	11.25	17.48	14.02	11.47	6.62	10.39	17.10	21.40	23.73	20.30
WTR YR 1990	MEAN	19.25	MAX	24.95	SEP 6	MIN	6.62	APR 19				

WELL NUMBER.--263845081260703. Local Number HE 851.

LOCATION.--Lat 26°38'45", long 81°26'07", in NW¼NW¼ sec.21, T.44 S., R.29 E., Hydrologic Unit 03090205, southeast corner of intersection of State Highway 29 and Sears Road, and 3.6 mi west of Sears. Owner: U.S. Geological Survey.

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 5 ft.

INSTRUMENTATION.--Monthly measurements with chalked tape.

DATUM.--Land-surface datum is 30.33 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.95 ft, above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1977 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.49 ft NGVD, Aug. 29, 1990; lowest measured, 22.59 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
23...	1125	27.92	27...	0940	25.88
NOV			APR		
27...	1115	27.24	09...	0940	25.77
DEC			24...	1430	25.72
11...	1010	27.33	MAY		
28...	1040	27.49	07...	1020	25.51
JAN			JUN		
16...	1035	26.94	26...	1040	26.83
29...	1145	27.04	JUL		
FEB			31...	1355	27.81
12...	0955	27.33	AUG		
28...	1400	27.19	29...	1150	30.49

HENDRY COUNTY

WELL NUMBER.--263930081301501. Local Number HE 559.

LOCATION.--Lat 26°39'30", long 81°30'01", in SE¼SE¼ sec.10, T.44 S., R.28 E., Hydrologic Unit 03090205, 3.8 mi east of Lee/Hendry County Line at Congen Properties, and 8.2 mi southwest of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, artesian, observation well, diameter 4 in., depth 165 ft, cased to 155 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to November 1979. December 1980 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.54 ft NGVD, Nov. 28, 1979; lowest measured, 15.09 ft NGVD, Dec. 27, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0945	20.46	29...	1025	16.57
24...	1000	20.56	MAY		
NOV			22...	0850	16.16
27...	1010	18.74	JUN		
DEC			27...	1340	19.41
27...	0935	15.09	JUL		
JAN			30...	1045	20.83
29...	0950	18.03	AUG		
FEB			30...	0855	20.91
27...	1220	18.16			

WELL NUMBER.--263930081301502. Local Number HE 560.

LOCATION.--Lat 26°39'30", long 81°30'15", in SE¼SE¼ sec.10, T.44 S., R.28 E., Hydrologic Unit 03090205, 3.8 mi east of Lee/Hendry County Line at Congen Properties, and 8.2 mi southwest of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 87 ft, cased to 70 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to November 1979 (monthly); December 1980 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.71 ft NGVD, Sept. 26, 1979; lowest measured, 18.47 ft NGVD, Dec. 27, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	0950	21.63	23...	1030	18.57
24...	1015	21.62	MAY		
NOV			22...	--	18.80
27...	1020	20.10	JUN		
DEC			27...	1345	20.79
27...	0940	18.47	JUL		
JAN			30...	1045	21.94
29...	0955	20.02	AUG		
FEB			30...	0855	21.94
27...	1225	20.17			
MAR					
29...	1025	19.26			

HENDRY COUNTY

WELL NUMBER.--263930081301503. Local Number HE 569.

LOCATION.--Lat 26°39'30", long 81°30'15", in SE¼SE¼ sec.10, T.44 S., R.28 E., Hydrologic Unit 03090205, 3.9 mi east of Lee/Hendry County Line at Congen Properties, and 8.2 mi southwest of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 17 ft, cased to 11 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to November 1979; December 1980 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.65 ft NGVD, July 27, 1982; lowest measured, 20.07 ft NGVD, Mar. 30, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0955	24.09	29...	1025	23.69
24...	1030	22.79	MAY		
NOV			22...	0850	23.82
27...	1025	23.39	JUN		
DEC			27...	1350	23.30
27...	0945	24.06	JUL		
JAN			30...	1050	23.90
29...	1000	23.72	AUG		
FEB			30...	0855	23.97
27...	1230	24.14			

WELL NUMBER.--264046081022801. Local Number HE 1068.

LOCATION.--Lat 26°40'46", long 81°02'28", in NE¼NW¼ sec.9, T.44 S., R.33 E., Hydrologic Unit 03090202, 500 ft south and 0.2 mi east of end of road, 1.3 mi east of Flag Hole Road, 5 mi south of U.S. 27. Owner: South Florida Water Management District.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in., depth 160 ft, cased to 60 ft, 100 ft of screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.35 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.86 ft NGVD, Aug. 30, 1990; lowest measured, 15.14 ft NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1020	18.03	27...	1540	16.02
26...	0935	16.88	APR		
NOV			25...	1610	15.89
28...	1530	16.67	MAY		
DEC			24...	1520	15.14
27...	1325	17.15	JUN		
JAN			25...	1450	16.52
31...	1335	16.64	AUG		
FEB			02...	1355	17.55
27...	1250	16.52	30...	1300	18.86

HENDRY COUNTY

WELL NUMBER.--264046081022802. Local Number HE 1069.

LOCATION.--Lat 26°40'46", long 81°02'28", in NE¼NW¼ sec.9, T.44 S., R.33 E., Hydrologic Unit 03090202, 500 ft south and 0.2 mi east of end of road, 1.3 mi east of Flag Hole Road, 5 mi south of U.S. 27. Owner: South Florida Water Management District.

AQUIFER.--Surficial aquifer of the Miocene Age, Geologic Unit 122 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 13 ft, cased to 3 ft, 10 ft of 2 in screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.24 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.70 ft NGVD, Aug. 30, 1990; lowest measured, 14.95 ft NGVD, Dec. 28, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1020	17.06	27...	1540	15.46
26...	0935	17.85	APR		
NOV			25...	1610	15.40
28...	1530	15.98	MAY		
DEC			24...	1520	15.69
27...	1325	16.60	JUN		
JAN			25...	1455	16.05
31...	1335	16.00	AUG		
FEB			02...	1355	17.09
27...	1250	15.93	30...	--	18.70

WELL NUMBER.--264137081040701. Local Number HE 629.

LOCATION.--Lat 26°41'37", long 81°04'07", in NW¼NE¼ sec.6, T.44 S., R.33 E., Hydrologic Unit 03090205, at Girl Scout Camp, 4 mi south of U.S. Highway 27 on Flaghole Road, 9 mi southwest of Clewiston. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 44 ft, cased to 33 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20.81 ft above National Geodetic Vertical Datum of 1929. Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to current year. Records of water levels prior to October 1985 are available in files of the Geological Survey.

EXTREMES FOR PERIOD.--Highest water level measured, 19.62 ft NGVD, Oct. 1, 1984; lowest measured, 16.28 ft NGVD, Apr. 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0930	18.32	29...	1515	16.69
26...	0920	18.22	APR		
NOV			25...	1545	16.28
28...	1540	17.06	JUN		
DEC			25...	1510	17.48
27...	1335	16.57	AUG		
JAN			02...	1345	18.57
31...	1345	17.24	30...	1305	19.27
FEB					
27...	1255	17.00			

HENDRY COUNTY

WELL NUMBER.--264235081074401. Local Number HE 858.

LOCATION.--Lat 26°42'35", long 81°07'44", in SW¼SW¼ sec.27, T.43 S., R.32 E., Hydrologic Unit 03090205, 50 ft and east of County Rd 830, 2.9 mi on County Rd 833 south of State Rd 80, 11 mi southwest of Clewiston. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 17 ft, cased to 12 ft, 5 ft of 0.02 screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 22.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1977 to September 1979, October 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.74 ft NGVD, Oct. 31, 1986; lowest measured, 17.95 ft NGVD, Apr. 22, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0915	19.81	27...	1440	19.98
26...	0845	20.09	APR		
NOV			25...	1530	20.04
28...	1600	19.68	JUN		
DEC			25...	1535	20.12
27...	1345	20.74	AUG		
JAN			02...	1425	19.50
31...	1400	19.77	30...	1320	20.45
FEB					
27...	1310	20.60			

WELL NUMBER.--264235081310601. Local Number HE 557.

LOCATION.--Lat 26°42'35", long 81°31'06", in SE¼NE¼ sec.28, T.43 S., R.28 E., Hydrologic Unit 03090205, on west side of Fort Denaud Road, 0.1 mi north of State Road 80, and 6.1 mi southwest of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 102 ft, cased to 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.23 ft NGVD, June 25, 1982; lowest measured, 6.79 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	0900	14.46	23...	0930	6.79
24...	0920	13.34	MAY		
NOV			22...	0825	8.17
27...	0930	10.09	JUN		
DEC			27...	1355	12.61
27...	0900	7.24	JUL		
JAN			30...	0950	14.56
29...	0915	9.69	AUG		
FEB			30...	0830	14.61
27...	1200	10.90			
MAR					
29...	0945	7.48			

HENDRY COUNTY

WELL NUMBER.--264235081310602. Local Number HE 558.

LOCATION.--Lat 26°42'35", long 81°31'06", in SE¼NE¼ sec.28, T.43 S., R.28 E., Hydrologic Unit 03090205, 0.2 mi north of intersection State Highway 80 and State Highway 78A, and 6.2 mi southwest of La Belle. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 14.0 ft, cased to 3.0 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 17.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.57 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated, Oct. 1-26, Dec. 26 - Jan. 29, Feb. 17-27, Apr. 13-23, 1990 water year.

PERIOD OF RECORD.--October 1975 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 16.84 ft NGVD, June 9, 1983; lowest, 12.89 NGVD, Apr. 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.68	14.78	14.99	15.32	14.78	14.90	14.86	14.73	14.95	15.04	15.61	15.33
10	15.70	14.71	14.94	15.02	15.37	14.82	14.70	15.40	14.91	15.39	16.42	14.94
15	15.48	14.86	15.04	15.07	15.61	14.70	14.72	15.06	14.87	16.08	16.33	14.94
20	15.30	14.76	15.05	15.14	15.32	14.96	14.73	14.78	14.60	15.46	15.52	14.84
25	14.98	14.68	15.68	15.10	15.11	14.68	14.67	15.01	14.62	15.59	15.40	14.72
EOM	14.87	14.72	15.49	14.91	15.05	15.39	14.80	15.01	15.16	15.15	15.19	15.49
MEAN	15.38	14.76	15.13	15.12	15.19	14.83	14.78	14.92	14.87	15.49	15.66	15.06
MAX	15.81	14.99	15.78	15.55	15.61	15.39	15.19	15.40	15.26	16.08	16.62	15.56
MIN	14.87	14.66	14.71	14.91	14.78	14.65	14.66	14.63	14.54	15.03	15.05	14.72

WTR YR 1990 MEAN 15.10 MAX 16.62 AUG 14 MIN 14.54 JUN 22

WELL NUMBER.--264353081281101. Local Number HE 620.

LOCATION.--Lat 26°43'53", long 81°28'11", in NW¼NW¼ sec.19, T.43 S., R.29 E., Hydrologic Unit 03090205, 3.5 mi southwest of La Belle and 0.5 mi south of State Road 80, in the Bob Paul Grove. Owner: U.S. Geological Survey.

AQUIFER.--Hawthorne aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 350 ft, cased to 171 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 17.13 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1976 to current year. Records prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.38 ft NGVD, June 24, 1982; lowest measured, 8.48 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	1030	15.98	23...	1100	8.48
24...	1100	15.83	MAY		
NOV			22...	0910	9.55
27...	1050	12.37	JUN		
DEC			28...	1000	13.93
27...	1005	11.53	JUL		
JAN			30...	1110	15.77
29...	1020	11.83	AUG		
FEB			30...	0920	16.38
27...	1245	12.58			
MAR					
29...	1045	9.55			

HENDRY COUNTY

WELL NUMBER.--264535081130701. Local Number HE 857.

LOCATION.--Lat 26°45'85", long 81°13'07", in SW¼NE¼ sec.10, T.43 S., R.31 E., Hydrologic Unit 03090205, on the west side of Hendry Club Boulevard, 0.5 mi south of State Road 80 and 14 mi east of La Belle. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 17 ft, cased to 12 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.50 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.61 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1977 to November 1978 (daily). November 1978 to October 1979 (monthly). October 1985 to current year. Records prior to October 1985 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 21.46 ft NGVD, Dec. 28, 1978; lowest measured 14.89 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	0900	17.32	27...	1430	15.78
26...	0830	16.66	APR		
NOV			25...	1645	15.61
28...	1610	15.80	MAY		
DEC			24...	1645	15.61
27...	1355	16.50	JUN		
JAN			25...	1550	16.13
31...	1410	16.18	AUG		
FEB			02...	1425	17.72
27...	1320	16.68	30...	1330	18.73

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

HENDRY COUNTY

WELL NUMBER.--264601081213102. Local Number HE 516.

LOCATION.--Lat 26°46'01", long 81°21'31", in SE¼SE¼ sec.6, T.43 S., R.30 E., Hydrologic Unit 03090205, at NE corner of pumphouse, .1 mi south of State Rd 80 on Cedarwood Parkway, 5.1 mi east of La Belle. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 273 ft, cased to 270 ft, 3 ft screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.00 ft above land-surface datum. Prior to Oct. 1, 1986 land-surface datum was considered to be 17.00 NGVD. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality. Well affected by nearby pumping.

PERIOD OF RECORD.--Jan. 1977 to Oct. 1979, June 1986 to current year. The figures of water level as elevation, in feet NGVD prior to Oct. 1, 1986 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.54 ft NGVD, Sept. 26, 1978; lowest measured, 7.13 ft NGVD, Oct. 27, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	1050	11.19	29...	1135	8.69
24...	1130	10.94	APR		
NOV			23...	1145	8.91
27...	1115	10.95	MAY		
DEC			22...	0950	8.95
27...	1030	9.84	JUN		
JAN			27...	1240	9.22
29...	1040	9.17	AUG		
FEB			30...	1010	11.52
27...	1300	9.64			

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
HENDRY COUNTY

233

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
262319081055502	HE -1054	26 23 19 N	081 05 55 W	11-28-89	27.12
				12-27-89	16.45
				04-26-90	15.06
262319081055503	HE -1055			11-28-89	18.60
				12-27-89	18.54
				04-26-90	16.91

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
HENDRY COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261735080534001	HE - 861	26 17 35 N	080 53 40 W	10-25-89 04-26-90	833 867	64 62
261735080534002	HE - 862			10-25-89 04-25-90	447 491	12 10
261746081061803	HE -1062	26 17 46 N	081 06 18 W	10-25-89 04-26-90	553 516	20 20
261746081061804	HE -1063			10-25-89 04-26-90	1400 1460	240 250
261801081042501	HE - 884	26 18 01 N	081 04 25 W	10-25-89 04-26-90	857 875	38 34
261859080585401	HE - 3	26 18 59 N	080 58 54 W	10-03-89 04-26-90	313 490	16 28
262118081002901	HE - 868	26 21 18 N	081 00 29 W	10-25-89 04-26-90	988 968	98 76
262214081113001	HE -1042	26 22 14 N	081 11 30 W	10-24-89	740	26
262214081113002	HE -1043			10-24-89	1550	220
262214081113003	HE -1044			10-24-89	3840	600
262319081055502	HE -1054	26 23 19 N	081 05 55 W	04-26-90	1000	88
262319081055503	HE -1055			04-26-90	592	52
262735081044601	HE - 860	26 27 35 N	081 04 46 W	10-25-89 04-26-90	533 593	10 20
262735081044602	HE - 859			10-25-89 04-26-90	770 814	52 52
263035081073501	HE - 855	26 30 35 N	081 07 35 W	10-25-89 04-25-90	786 780	82 78
263035081073502	HE - 856			10-25-89 04-25-90	256 303	10 4.0
263207080553101	HE -1075	26 32 07 N	080 55 31 W	10-25-89 04-25-90	3350 3400	740 680
263213081040801	HE -1036	26 32 13 N	081 04 08 W	10-25-89 04-25-90	398 454	28 30
263213081040802	HE -1037			10-25-89 04-25-90	978 1020	90 90
263310081250901	HE - 529	26 33 10 N	081 25 09 W	10-23-89	663	38
263310081250902	HE - 554			10-23-89 04-25-90	350 387	60 36
263514081170701	HE -1027	26 35 14 N	081 17 07 W	10-23-89 04-25-90	907 1330	60 110
263514081170702	HE -1028			10-23-89 04-25-90	800 833	46 44
263514081170703	HE -1029			10-23-89 04-25-90	818 863	38 38
263515081012001	HE - 854	26 35 15 N	081 01 20 W	10-25-89	635	48
263548081200601	HE - 852	26 35 48 N	081 20 06 W	10-23-89 04-25-90	541 585	18 22
263618081143001	HE - 853	26 36 18 N	081 14 30 W	10-23-89	820	62
263700080550001	HE - 339	26 37 00 N	080 55 00 W	10-25-89 04-25-90	433 486	24 36

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
HENDRY COUNTY--Continued

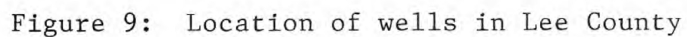
235

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
263700081070001	HE - 5	26 37 50 N	081 07 40 W	10-26-89 04-25-90	332 570	16 34
263839081203901	HE -1077	26 38 39 N	081 20 39 W	10-23-89 04-24-90	1070 1000	76 80
263840081203901	HE -1076	26 38 40 N	081 20 39 W	10-23-89 04-24-90	3660 3700	920 900
263845081260701	HE - 555	26 38 45 N	081 26 07 W	10-23-89 04-24-90	1330 1430	260 220
263845081260702	HE - 556			10-23-89 04-29-90	1240 1310	180 180
263845081260703	HE - 851			10-23-89 04-24-90 07-31-90	855 617 989	86 44 110
263930081301501	HE - 559	26 39 30 N	081 30 15 W	10-24-89	3610	940
263930081301502	HE - 560			10-24-89 04-23-90	2520 2760	580 580
263930081301503	HE - 569			10-24-89	640	70
264046081022801	HE -1068	26 40 46 N	081 02 28 W	10-26-89 04-25-90	1080 1050	130 120
264046081022802	HE -1069			10-26-89 04-25-90	1020 1070	110 110
264137081040701	HE - 529	26 41 37 N	081 04 07 W	10-26-89 04-25-90	1070 1120	140 150
264235081074401	HE - 858	26 42 35 N	081 07 44 W	10-26-89 04-25-90	535 460	54 34
264235081310601	HE - 557	26 42 35 N	081 31 06 W	10-24-89 04-23-90	4370 4340	1200 1100
264235081310602	HE - 558			10-24-89 04-23-90	4770 4840	1300 1300
264353081281101	HE - 620	26 43 53 N	081 28 11 W	10-24-89 04-23-90	1630 1700	340 330
264535081130701	HE - 857	26 45 35 N	081 13 07 W	10-26-89 04-25-90 05-24-90	628 642 642	66 72 72
264601081213102	HE - 516	26 46 01 N	081 21 31 W	10-24-89 04-23-90	775 752	60 62
264623081213601	HE - 517	26 46 23 N	081 21 36 W	10-24-89 04-23-90 07-30-90	597 189 448	26 10 20

WATER RESOURCES DATA FOR FLORIDA, 1990
VOLUME 2B: SOUTH FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 9
LEE COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER	INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	261859081481901	L 5726	238	22	263323081522401	L 742	287
1	261859081481902	L 5727	239	22A	263327081512001	L 1121	288
61	261900081454601	L 5744	240	23	263329081394301	L 2204	289
61	261900081454602	L 5745	241	23	163329081394302	L 1625	290
1A	261946081490301	L 5724	242	23	263335081394301	L 729	290
1A	261946081490302	L 5725	243	24	263344081361701	L 1963	291
1B	261954081410101	L 1996	244	24	263344081361702	L 1964	292
1B	261954081410102	L 1997	244	24	263344081361703	L 2186	292
2	261954081432201	L 2198	245	24	263344081361704	L 2311	293
2	261957081432201	L 2194	245	25	263353081335801	L 1965	294
2	261957081432202	L 2195	246	25	263353081335802	L 1992	295
3	262022081464201	L 738	246	26	263357081575602	L 2703	296
3	262022081464202	L 2310	247	26	263357081575603	L 3213	296
3	262042081455001	L 1691	247	21	263307081555901	L 2435	297
3A	262102081464401	L 5722	248	27	263440082022001	L 2644	297
3A	262102081464402	L 5723	249	27	263440082022002	L 3207	298
62	262258081471801	L 5746	250	69	263526082010201	L 2434	298
62	262258081471802	L 5747	251	28	263532081592201	L 581	299
63	262351081485401	L 5730	252	29	263533081573401	L 2641	299
63	262351081485402	L 5731	252	30	263621081563701	L 2702	300
4	262435081533001	L 1635	253	30	263621081563702	L 3212	300
4	262435081535101	L 1634	254	31	263630081375301	L 1418	301
4A	262511081471801	L 5669	255	32	263633082002701	L 1116	301
4A	262513081471802	L 5668	255	33	263712081461201	L 728	302
4B	262514081393401	L 5665	256	34	263718081485001	L 1973	302
4B	262514081393402	L 5664	256	34	263718081485002	L 1974	303
5	262538082045701	L 588	257	34	263718081485003	L 2292	304
5	262547082051201	L 590	257	35	263743082041201	L 2645	305
5	262549082035301	L 1403	258	35	263743082041202	L 3208	305
6	262552081485701	L 741	258	36	263802081493501	L 246	306
6	262552081485702	L 2295	259	37	263807081430301	L 1968	306
6	262553081485703	L 2308	260	38	263813081552801	L 2640	307
7	262622082022001	L 1456	261	38	263813081552802	L 3203	308
7	262622082022002	L 1457	261	39	263814082020701	L 1058	309
7A	262622082074401	L 2524	262	40	263819081585801	L 2701	309
64	262649082070201	L 2583	262	40	263819081585802	L 3211	310
8	262657081443501	L 739	263	41	263834082005301	L 781	310
9	262659081382501	L 2192	263	43	263903081550401	L 954	311
10	262703081340201	L 731	264	45	263850081365401	L 727	311
10	262703081340202	L 1138	264	45	263950081355401	L 2187	312
10	262703081340203	L 2313	265	45	263950081355402	L 1137	312
11	262706081435401	L 1853	266	46	263955082083101	L 2527	313
11A	262710082005301	L 585	267	46	263955082083102	L 2820	314
12	262713081414601	L 1984	267	46	263955082083103	L 2549	315
12	262713081414701	L 1985	268	46	263955082083104	L 3214	315
65	262755082090902	L 5734	268	47	264002082012801	L 2700	316
12A	262831081575901	L 2212	269	47	264002082012802	L 3210	317
13	262839081503100	L 735	269	48	264053081572501	L 4820	318
13B	262944081560801	L 2529	270	49	264101081443001	L 652	319
13A	262934081495801	L 5649	270	50	264144081520301	L 2190	320
13A	262934081495802	L 5721	271	50	264144081520302	L 2191	320
66	263004082111701	L 2315	271	50A	264147081562701	L 1111	321
14	263041081433101	L 1983	272	51	264153082022301	L 721	321
14	263041081433102	L 1998	272	52	264308081410001	L 1907	322
14	263041081433102	L 1999	273	52	264308081405402	L 2530	323
15	263117082051001	L 2525	274	53	264320081365701	L 1977	324
15	263117082051002	L 2821	275	53	264320081365702	L 1978	325
15	263117082051003	L 3215	275	54	264329081340401	L 2200	326
67	263124081521401	L 1089	276	54	264329081340402	L 2202	327
16	263127081351602	L 2215	277	55	264359081424701	L 1975	328
16	263138081545801	L 730	277	55	264359081424702	L 1976	329
68	263138082112801	L 5766	278	56	264425081454001	L 726	330
17	263233081550301	L 1598	279	56A	264427081362601	L 2531	331
17A	263246081531501	L 1124	279	70	264433081360601	L 5708	332
17B	263249081474401	L 5648	280	57	264517081513201	L 2341	333
17B	263249081474402	L 5720	281	58	264517082022101	L 1059	334
18	263251081452801	L 1993	282	58	264517082022102	L 2526	335
18	263251081452802	L 1994	282	59	264537081552202	L 2646	336
18	263251081452803	L 1995	283	59	264537081552203	L 3209	337
19	263253082014201	L 2643	284	60	264608081454101	L 2216	337
19	263253082014202	L 3206	285	60	264608081454102	L 2217	338
20	263257081585701	L 2642	286	60	264608081454103	L 2328	339
20	263257081585702	L 3205	287				



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--261859081481901. Local Number L 5726.

LOCATION.--Lat 26°18'59", long 81°47'20", in SE¼SE¼ sec.3, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft north of Lee/Collier County Line on west side of U.S. Highway 41, 1.5 mi southwest of Bonita Springs Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.90 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.95 ft NGVD, Aug. 25, 1986; lowest measured, 4.32 ft NGVD, June 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1125	7.13	12...	1245	6.30
27...	1425	7.08	30...	1250	5.97
NOV			APR		
28...	1725	6.89	09...	1125	5.85
DEC			23...	1505	5.59
11...	1245	7.22	MAY		
28...	1340	7.08	07...	1200	5.45
JAN			JUN		
16...	1250	6.69	25...	1200	6.78
31...	1335	6.42	JUL		
FEB			31...	0915	8.39
12...	1300	6.50	AUG		
27...	1240	6.60	27...	1335	9.16

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

239

LEE COUNTY

WELL NUMBER.--261859081481902. Local Number L 5727.

LOCATION.--Lat 26°18'59", long 81°47'20", in SE¼SE¼ sec.3, T.48 S., R.25 E., Hydrologic Unit 03090204, 100 ft north of Lee/Collier County Line on west side of U.S. Highway 41, 1.5 mi southwest of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 100 ft, cased to 65 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.21 ft NGVD, Aug. 25, 1986; lowest measured, 3.81 ft below NGVD, Apr. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1125	2.03	09...	1125	-2.01
27...	1425	0.77	23...	1455	-1.29
NOV			MAY		
28...	1725	-2.54	07...	1155	-0.49
DEC			JUN		
11...	1240	-0.76	25...	1205	0.83
28...	1340	0.25	JUL		
JAN			31...	0915	3.91
16...	1250	-2.05	AUG		
31...	1335	-2.66	27...	1335	3.74
FEB			SEP		
12...	1256	-0.87	27...	1005	1.36
27...	1235	-0.91			
MAR					
30...	1255	-2.47			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--261900081454601. Local Number L 5744.

LOCATION.--Lat 26°19'00", long 81°45'46", in SE¼SW¼ sec.1, T.48 S., R.25 E., Hydrologic Unit 03090204, 25' west of Imperial Street, 10 ft north of Lee/Collier County Line, 1 mi south of Bonita Beach Road. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 10 ft, 5 ft of .02 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft NGVD, Aug. 29, 1988; lowest measured, 5.74 ft NGVD, June 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1145	8.43	12...	1320	6.81
26...	1420	8.41	26...	1130	6.53
NOV			APR		
29...	1205	7.52	09...	1225	6.36
DEC			23...	1545	6.15
11...	1510	7.46	MAY		
26...	1615	7.52	07...	1255	5.99
JAN			JUN		
16...	1400	7.30	26...	1030	7.44
29...	1500	7.14	JUL		
FEB			31...	1030	8.50
12...	1540	7.07	AUG		
26...	1155	7.13	27...	1425	9.58

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

241

LEE COUNTY

WELL NUMBER.--261900081454602. Local Number L 5745.

LOCATION.--Lat 26°19'00", long 81°45'46", in SE¼SW¼ sec.1, T.48 S., R.25 E., Hydrologic Unit 03090204, 25 ft west of Imperial Street, 10 ft north of Lee/Collier County Line, 1 mi south of Bonita Beach Road. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 105 ft, cased to 57 ft, 48 ft of open hole.

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, 1.61 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.33 ft NGVD, Aug. 14, 1989; lowest measured, 5.31 ft below NGVD, Dec. 29, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1145	2.87	12...	1315	-4.00
26...	1420	0.43	26...	1125	-5.17
NOV			APR		
29...	1205	-4.13	09...	1225	-3.32
DEC			23...	1540	-1.96
11...	0835	-0.85	MAY		
26...	1615	0.09	07...	1250	-0.31
JAN			JUN		
16...	1400	-2.40	26...	1030	2.35
29...	1500	-2.35	JUL		
FEB			31...	1030	5.74
12...	1335	-0.51	AUG		
26...	1155	-1.47	27...	1430	6.18
			SEP		
			28...	0900	2.09

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--261946081490301. Local Number L 5724.

LOCATION.--Lat 26°19'46", long 81°49'03", in NW¼NW¼ sec.4, T.48 S., R.25 E., Hydrologic Unit 03090204, 150 ft south of Intersection of Bonita Beach Road on the east side of Sunset, 3 mi west of Bonita Springs Post Office. Owner: U.S. Geological Survey.

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 25 ft. Screened with 0.020 slot.

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, 2.43 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.68 ft NGVD, Aug. 25, 1986; lowest measured, 3.93 ft NGVD, Feb. 27, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1135	7.03	12...	1300	5.72
27...	1445	6.70	30...	1305	5.45
NOV			APR		
28...	1735	6.17	09...	1145	5.45
DEC			23...	1525	5.28
11...	1310	6.18	MAY		
28...	1350	6.18	07...	1210	5.26
JAN			JUN		
16...	1315	5.84	25...	1220	6.31
31...	1350	5.69	JUL		
FEB			31...	0840	8.33
12...	1320	5.65	AUG		
27...	1255	3.93	27...	1345	8.85

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

243

LEE COUNTY

WELL NUMBER.--261946081490302. Local Number L 5725.

LOCATION.--Lat 26°19'46", long 81°49'03", in NW¼NW¼ sec.4, T.48 S., R.25 E., Hydrologic Unit 03090204, 150 ft south of intersection of Bonita Beach Road and Sunset on east side, 3 mi west of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 128 ft, cased to 65 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 also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.55 ft NGVD, Aug. 25, 1986; lowest measured, 3.29 ft below NGVD, Apr. 13, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1125	2.03	09...	1125	-2.01
27...	1425	0.77	23...	1455	-1.29
NOV			MAY		
28...	1725	-2.54	07...	1155	-0.49
DEC			JUN		
11...	1240	-0.76	25...	1205	0.83
28...	1340	0.25	JUL		
JAN			31...	0915	3.91
16...	1250	-2.05	AUG		
31...	1335	-2.66	27...	1335	3.74
FEB			SEP		
12...	1256	-0.87	27...	1005	1.36
27...	1235	-0.91			
MAR					
30...	1255	-2.47			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--261954081410101. Local Number L 1996.

LOCATION.--Lat 26°19'54", long 81°41'01", in SE¼SW¼ sec.35, T.47 S., R.26 E., Hydrologic Unit 03090204, 5.8 mi east of intersection of U.S. Highway 41 and East Bonita Beach Road and 5.8 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 198 ft, cased to 65 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 15.03 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.84 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1975 to July 1977. December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.58 ft NGVD, Sept. 8, 1983, lowest, 0.31 ft NGVD, Dec. 6, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.84	4.73	.57	2.37	4.56	3.21	1.90	2.98	6.07	6.95	8.83	9.67
10	8.32	5.27	4.34	3.60	3.86	1.96	1.05	3.33	6.80	6.62	8.82	9.36
15	8.30	2.88	2.07	3.73	3.84	1.52	1.10	3.94	6.99	7.45	10.22	9.03
20	8.14	2.10	2.78	4.11	3.47	1.30	.86	3.94	6.73	7.94	10.62	8.72
25	6.64	1.21	2.75	4.05	4.59	.79	1.37	4.82	6.54	8.73	10.51	8.41
EOB	5.25	2.99	3.53	3.59	3.22	1.94	2.31	5.56	6.43	8.89	9.97	8.12
MEAN	7.67	3.33	2.54	3.54	3.95	1.75	1.48	3.98	6.54	7.71	9.75	9.01
MAX	8.93	5.27	4.34	4.18	4.59	3.46	2.76	5.56	7.19	8.96	10.63	9.90
MIN	5.25	.89	.31	2.37	3.06	.50	.86	2.71	5.74	6.60	8.82	8.12

WTR YR 1990 MEAN 5.11 MAX 10.63 AUG 21 AND OTHERS MIN .31 DEC 6

WELL NUMBER.--261954081410102. Local Number L 1997.

LOCATION.--Lat 26°19'54", long 81°41'01", in SE¼SW¼ sec.35, T.47 S., R.26 E., Hydrologic Unit 03090204, 5.8 mi east of intersection of U.S. Highway 41 and East Bonita Beach Road and 5.8 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 16.5 ft, cased to 10 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.90 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.63 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1975 to July 1977, December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.83 ft NGVD, Sept. 2, 1981; lowest, 4.51 ft NGVD, Dec. 21, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.54	12.46	11.54	11.80	10.76	10.07	9.66	8.77	11.27	11.88	12.73	13.68
10	13.74	12.29	11.91	11.96	10.54	9.88	9.30	8.95	11.72	11.86	12.77	13.25
15	13.50	12.11	11.84	10.97	10.40	9.69	9.07	9.33	11.54	12.29	14.33	12.91
20	13.31	11.93	12.22	10.82	10.20	9.61	9.05	9.51	11.81	12.46	14.53	12.89
25	12.96	11.85	10.98	10.69	10.57	9.34	8.88	9.50	11.53	13.94	14.28	12.91
EOB	12.66	11.82	11.93	10.62	10.41	9.44	8.71	11.16	11.52	13.37	13.76	12.88
MEAN	13.31	12.14	11.68	11.20	10.48	9.71	9.16	9.45	11.49	12.60	13.69	13.15
MAX	13.75	12.64	12.22	11.96	10.79	10.27	9.68	11.25	11.81	13.94	14.53	13.76
MIN	12.66	11.82	10.98	10.54	10.15	9.33	8.71	8.64	11.02	11.55	12.62	12.71

WTR YR 1990 MEAN 11.51 MAX 14.53 AUG 19 AND OTHERS MIN 8.64 MAY 3

LEE COUNTY

WELL NUMBER.--261954081432201. Local Number L 2198.

LOCATION.--Lat 26°19'54", long 81°43'22", in SE¼SE¼ sec.32, T.47 S., R.26 E., Hydrologic Unit 03090204, 500 ft north of East Bonita Beach Road, and 3.5 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 137 ft, cased to 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.02 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.80 ft NGVD, Aug. 31, 1983; lowest measured, 0.96 ft below NGVD, Mar. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0820	8.42	24...	1220	0.38
22...	0845	5.01	MAY		
NOV			22...	1740	3.82
28...	0850	-0.08	JUN		
DEC			26...	0950	5.86
28...	0835	2.72	JUL		
JAN			31...	0905	8.37
30...	0820	2.70	AUG		
FEB			27...	1500	9.34
28...	0800	2.07	SEP		
MAR			27...	0845	6.76
29...	0815	-0.96			

WELL NUMBER.--261957081432201. Local Number L 2194.

LOCATION.--Lat 26°19'57", long 81°43'22", in SE¼SE¼ sec.32, T.47 S., R.26 E., Hydrologic Unit 03090204, 500 ft north of East Bonita Beach Road, and 3.5 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 137 ft, cased to 81 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.67 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Nov. 10-28, 1990 water year.

PERIOD OF RECORD.--August 1975 to September 1978 (monthly); October 1978 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.42 ft NGVD, Sept. 3, 1983; lowest, 1.34 ft below NGVD, Dec. 5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.29	3.71	-1.34	1.18	3.72	2.25	.99	2.47	5.73	6.69	8.51	9.86
10	7.85	3.58	3.70	2.64	2.95	.99	-0.06	2.92	6.49	6.41	8.47	9.59
15	7.41	1.34	1.10	2.73	2.93	.34	.10	3.61	6.54	7.32	9.90	7.14
20	7.60	.85	2.16	3.06	2.57	.26	.04	3.51	6.34	7.75	10.37	9.26
25	6.00	.21	2.01	3.40	3.78	-0.23	.66	4.48	6.02	8.51	10.01	8.28
EOB	4.51	2.35	2.54	2.71	2.25	1.10	1.79	5.19	6.21	8.52	9.70	8.23
MEAN	6.95	2.12	1.50	2.60	3.04	.78	.61	3.58	6.17	7.48	9.42	8.67
MAX	8.50	4.32	3.70	3.40	3.78	2.58	1.79	5.23	6.77	8.74	10.38	9.86
MIN	4.47	-0.12	-1.34	1.18	2.09	-0.42	-0.06	2.21	5.36	6.34	8.36	6.69

WTR YR 1990 MEAN 4.42 MAX 10.38 AUG 19 MIN -1.34 DEC 5

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--261957081432202. Local Number L 2195.

LOCATION.--Lat 26°19'57", long 81°43'22", in SE¼SE¼ sec.32, T.47 S., R.26 E., Hydrologic Unit 03090204, 500 ft north of East Bonita Beach Road, and 3.5 mi east of Bonita Springs Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.67 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality. Water levels estimated Jan. 16-30, 1990 water year.

PERIOD OF RECORD.--August 1975 to February 1978 (monthly); March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.48 ft NGVD, July 1, 2, 1983; lowest 6.76 ft NGVD, June 16, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.30	10.17	9.22	9.41	8.59	8.15	7.67	7.49	8.89	9.26	9.52	11.18
10	11.89	10.38	10.46	9.49	8.77	7.93	7.50	7.49	9.52	9.10	9.62	10.77
15	11.50	9.89	9.64	9.14	8.37	7.97	7.34	7.51	9.34	9.37	12.17	10.66
20	11.61	9.71	9.72	8.84	8.25	7.92	7.44	7.54	9.40	9.60	12.93	11.04
25	10.73	9.67	9.67	8.58	8.82	7.66	7.40	7.48	9.12	9.94	11.87	10.97
EOC	10.48	9.98	10.00	8.51	8.12	8.22	7.64	8.45	9.12	10.04	11.11	11.05
MEAN	11.29	10.02	9.71	9.06	8.44	7.97	7.57	7.63	9.18	9.52	11.10	10.89
MAX	12.03	10.43	10.46	9.68	8.99	8.35	8.31	8.45	9.55	10.12	12.93	11.20
MIN	10.48	9.54	9.22	8.38	7.85	7.66	7.32	7.30	8.60	9.06	9.29	10.18
WTR YR 1990	MEAN	9.37	MAX	12.93	AUG 20 AND OTHERS	MIN	7.30	MAY 8				

WELL NUMBER.--262022081464201. Local Number L 738.

LOCATION.--Lat 26°20'22", long 81°46'42", in SW¼NE¼ sec.35, T.47 S., R.25 E., Hydrologic Unit 03090204, at intersection of Felts and Childers Streets in Bonita Springs. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 75 ft, cased to 61 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

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 also sampled for water quality.

PERIOD OF RECORD.--November 1968 to June 1973 (daily); July 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.46 ft NGVD, Oct. 5, 1969; lowest measured, 5.51 ft below NGVD, Jan. 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1155	2.03	09...	1150	-4.11
26...	1405	0.28	24...	1125	-2.34
NOV			MAY		
29...	1250	-3.96	07...	1230	-1.53
DEC			22...	1625	0.06
11...	1250	-2.02	JUN		
26...	1600	-0.26	26...	1040	0.26
JAN			JUL		
16...	1345	-3.78	30...	1445	4.32
29...	1445	-3.81	AUG		
FEB			27...	1200	3.41
12...	1225	-1.84	SEP		
26...	1135	-1.03	27...	1625	1.32
MAR					
12...	1155	-3.63			
26...	1050	-4.51			

LEE COUNTY

WELL NUMBER.--262022081464202. Local Number L 2310.

LOCATION.--Lat 26°20'22", long 81°46'42", in SW¼NE¼ sec.35, T.47 S., R.25 E., Hydrologic Unit 03090205, at intersection of Felts Street and Childers Street at Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 550 ft, cased to 396 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 8.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1976 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.8 ft NGVD, Oct. 29, 1987; lowest measured, 33.2 ft NGVD, Apr. 30 and May 27, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1155	35.20	24...	1130	34.40
26...	1400	33.50	MAY		
NOV			22...	1625	33.80
29...	1200	34.50	JUN		
DEC			26...	1045	34.20
26...	1600	34.20	JUL		
JAN			30...	1450	34.70
29...	1445	35.40	AUG		
FEB			27...	1200	36.20
26...	1140	37.60			
MAR					
26...	1050	34.00			

WELL NUMBER.--262042081455001. Local Number L 1691.

LOCATION.--Lat 26°20'42", long 81°45'50", in NE¼NW¼ sec.36, T.47 S., R.25 E., Hydrologic Unit 03090204, at Bonita Springs Water Plant at East Terry Street and 1.4 mi east of Bonita Springs Post Office. Owner: Bonita Springs Water Co.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 69 ft, cased to 58 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 12.49 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.97 ft above land-surface datum.

REMARKS.--Water levels affected by municipal pumping. Well also sampled for water quality. Water levels estimated Aug. 3-27, 1990 water year.

PERIOD OF RECORD.--June 1973 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.84	-0.54	-3.48	-1.79	.51	-1.42	-2.41	-0.78	3.29	3.61	4.53	6.55
10	5.62	1.05	-0.02	-1.57	-2.46	-2.89	-3.37	-1.00	2.73	3.16	5.18	5.26
15	2.57	-1.42	-1.46	-1.42	-2.42	-4.60	-4.67	1.69	2.68	4.79	5.84	4.49
20	3.31	-2.47	-1.26	-2.50	-2.34	-3.92	-2.29	-1.19	3.68	5.54	6.42	3.72
25	1.55	-1.84	.55	-1.48	.04	-5.40	-1.48	2.50	1.67	5.08	7.11	2.94
EOM	.15	-2.16	-0.56	-2.03	-1.38	-4.39	-1.21	2.81	3.34	4.65	7.02	4.25
MEAN	2.68	-1.27	-1.09	-1.56	-1.27	-3.68	-2.79	.38	2.88	4.61	5.90	4.60
MAX	5.62	1.22	1.08	-0.05	.56	-1.25	-1.21	3.09	3.90	6.64	7.40	6.86
MIN	.15	-3.58	-3.59	-2.75	-2.94	-5.40	-4.67	-1.47	1.67	2.93	4.14	2.64
WTR YR 1990	MEAN	.80	MAX	7.40	AUG 28	MIN	-5.40	MAR 25				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--262102081464401. Local Number L 5722.

LOCATION.--Lat 26°21'02", long 81°46'44", in NW¼SE¼ sec.26, T.47 S., R.25 E., Hydrologic Unit 03090204, at the northeast corner of Rosemary and Business, U.S. Highway 41, 1.5 mi north of Bonita Springs Post Office.
Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 21 ft, cased to 11 ft. Screened 11 to 21 ft with 0.020 slot.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.40 ft NGVD, Aug. 28, 1986; lowest measured, 4.94 ft NGVD, May 7, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
03...	1245	6.43	12...	1330	5.55
26...	1310	6.28	26...	1035	5.27
NOV			APR		
29...	1115	5.75	09...	1205	5.15
DEC			22...	1020	5.04
11...	1330	5.78	MAY		
26...	1520	5.88	07...	1225	4.94
JAN			JUN		
16...	1340	5.54	26...	1115	6.04
29...	1410	5.40	JUL		
FEB			30...	1340	7.72
12...	1355	5.55	AUG		
26...	1030	5.91	28...	1135	7.85

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

249

LEE COUNTY

WELL NUMBER.--262102081464402. Local Number L 5723.

LOCATION.--Lat 26°21'02", long 81°46'44", in NW¼SE¼ sec. 26, T.47 S., R.25 E., Hydrologic Unit 03090204, at north-east corner of Rosemary and Business, U.S. Highway 41, 1.5 mi north of Bonita Springs Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 140 ft, cased to 55 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.74 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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 measured, 5.33 ft below NGVD, Dec. 15, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1245	2.35	09...	1200	-4.64
26...	1310	0.38	24...	1025	-2.91
NOV			MAY		
29...	1115	-4.03	07...	1225	-1.96
DEC			JUN		
11...	1325	-2.27	26...	1120	0.27
26...	1520	-0.36	JUL		
JAN			30...	1340	4.28
16...	1340	-4.18	AUG		
29...	1410	-4.33	27...	1135	3.30
FEB			SEP		
12...	1355	-1.91	27...	1525	1.44
26...	1030	-1.06			
MAR					
26...	1035	-4.72			

LEE COUNTY

WELL NUMBER.--262258081471801. Local Number L 5746.

LOCATION.--Lat 26°22'58", long 81°47'18", in NE¼SE¼ sec.15, T.47 S., R.25 E., Hydrologic Unit 03090204, 25 ft west of Stillwell and 50 ft north of Strike Lane, 1.3 mi east of old US 41, 3.5 mi north of Bonita Springs. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 15 ft, cased to 10 ft, 5 ft of .020 slot screen.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.66 ft NGVD, Oct. 29, 1987; lowest measured, 8.51 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1300	10.51	26...	1025	9.10
26...	1255	10.51	APR		
NOV			24...	0920	8.67
29...	1105	9.80	JUN		
DEC			26...	1125	9.71
26...	1510	9.94	JUL		
JAN			30...	1310	11.26
29...	1355	9.41	AUG		
FEB			27...	1115	11.09
26...	1005	9.81			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

251

LEE COUNTY

WELL NUMBER.--262258081471802. Local Number L 5747.

LOCATION.--Lat 26°22'58", long 81°47'18", in NE¼SE¼ sec.15, T.47 S., R.25 E., Hydrologic Unit 03090204, 25 ft west of Stillwell and 50 ft north of Strike Lane, 1.3 mi east of old US 41, 3.5 mi north of Bonita Springs. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 105 ft, cased to 59 ft, 46 ft of open hole.

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, 1.77 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.47 ft NGVD, July 10, 1989; lowest measured, 4.85 ft below NGVD, Mar. 26, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1300	2.44	12...	1300	-3.72
26...	1245	0.70	26...	1030	-4.85
NOV			APR		
29...	1105	-3.94	09...	1235	-4.43
DEC			24...	0920	-3.56
11...	1305	-2.58	MAY		
26...	1510	-0.63	07...	1330	-2.57
JAN			JUN		
16...	1440	-4.28	26...	--	0.05
29...	1355	-4.54	JUL		
FEB			30...	1310	3.84
12...	1310	-2.35	AUG		
26...	1010	-1.36	27...	1115	3.27
			SEP		
			27...	1510	1.50

LEE COUNTY

WELL NUMBER.--262351081485401. Local Number L 5730.

LOCATION.--Lat 26°23'51", long 81°48'54", in NE¼SW¼ sec.9, T.47 S., R.25 E., Hydrologic Unit 03090204, 100' south of Coconut Road, .3 mi west of US 41, 5 mi north of Bonita Springs. Owner: Bonita Bay.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 122 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.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1987 to current year. Records of water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.77 ft NGVD, Oct. 29, 1987; lowest measured, 9.77 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1315	12.25	26...	1020	10.50
26...	1220	12.66	APR		
NOV			24...	0855	10.10
29...	1050	11.68	JUN		
DEC			25...	1235	11.65
26...	1455	11.74	JUL		
JAN			30...	1240	13.23
29...	1350	11.06	AUG		
FEB			27...	1100	14.14
26...	0940	11.21			

WELL NUMBER.--262351081485402. Local Number L 5731.

LOCATION.--Lat 26°23'51", long 81°48'54", in NE¼SW¼ sec.9, T.47 S., R.25 E., Hydrologic Unit 03090204, 100' south of Coconut Road, .3 mi west of US 41, 5 mi north of Bonita Springs. Owner: Bonita Bay.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 112 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 120 ft, cased to 90 ft, 30 ft of open hole.

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, 0.11 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1987 to current year. Records of water levels prior to October 1987 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.81 ft NGVD, Oct. 3, 1988; lowest measured, 2.71 ft NGVD, May 7, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1315	6.27	12...	1315	3.29
26...	1230	6.23	26...	1020	2.94
NOV			APR		
29...	1050	4.77	09...	1250	2.90
DEC			24...	0900	2.72
11...	1315	4.49	MAY		
26...	1455	4.62	07...	1350	2.71
JAN			JUN		
16...	1510	4.33	25...	1235	4.38
29...	1350	3.82	JUL		
FEB			30...	1240	6.13
12...	1330	3.60	AUG		
26...	0940	3.51	27...	1050	6.78

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

253

LEE COUNTY

WELL NUMBER.--262435081535001. Local Number L 1635.

LOCATION.--Lat 26°24'35", long 81°53'50", in NE¼SW¼ sec.3, T.47 S., R.24 E., Hydrologic Unit 03090204, at Bay Beach, 120 ft north of Golf shop, and 4.5 mi southeast of Fort Myers Beach Post Office. Owner: Bay Beach Corporation.

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.

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 valve, 1.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.7 ft NGVD, Sept. 27, 1979; lowest measured, 6.7 ft NGVD, May 30, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1305	14.10	24...	1730	10.80
25...	1200	13.60	MAY		
NOV			15...	0840	10.80
28...	1535	14.20	24...	1745	11.90
DEC			JUN		
27...	1635	13.10	25...	1255	11.70
JAN			AUG		
30...	1605	12.50	01...	1255	13.50
FEB			29...	1240	13.90
28...	1615	12.60	SEP		
MAR			19...	1330	14.00
29...	1415	11.50			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--262435081535101. Local Number L 1634.

LOCATION.--Lat 26°24'35", long 81°53'51", in NE¼SW¼ sec.3, T.47 S., R.24 E., Hydrologic Unit 03090204, at Bay Beach 100 ft north of Golf Shop, and 4.5 mi southeast of Fort Myers Beach Post Office. Owner: Bay Beach Corporation.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 950 ft, cased to 740 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 elbow, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.3 ft NGVD, July 27, 1988; lowest measured, 28.5 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1300	36.40	24...	1715	36.60
25...	1215	33.50	MAY		
NOV			15...	0830	36.10
28...	1540	39.10	JUN		
DEC			25...	1255	38.00
27...	1630	36.70	AUG		
JAN			01...	1255	38.30
30...	1600	36.60	29...	1240	39.40
FEB			SEP		
28...	1610	36.90	19...	1315	39.60
MAR					
29...	1410	37.40			

LEE COUNTY

WELL NUMBER.--262511081471801. Local Number L 5669.

LOCATION.--Lat 26°25'11", long 81°47'18", in NW¼NW¼ sec.2, T.46 S., R.25 E., Hydrologic Unit 03090204, on River Ranch Road, 1 mi west of I-75 and 1.5 mi south of Corkscrew Road, 2.5 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 30 ft, cased to 23 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. threaded PVC casing, 2.68 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1982 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.00 ft NGVD, Aug. 29, 1988; lowest measured, 10.32 ft NGVD, May 30, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1325	13.64	24...	1345	10.67
26...	1140	13.61	MAY		
NOV			23...	1200	10.48
29...	1235	12.22	JUN		
DEC			26...	1155	11.89
27...	1355	12.40	JUL		
JAN			31...	1130	13.48
29...	1530	11.58	AUG		
FEB			28...	0700	13.98
26...	1230	12.06			
MAR					
26...	1225	11.10			

WELL NUMBER.--262513081471802. Local Number L 5668.

LOCATION.--Lat 26°25'11", long 81°47'18", in NW¼NW¼ sec.2, T.46 S., R.25 E., Hydrologic Unit 03090204, on River Ranch Road, 1 mi west of I-75 and 1.5 mi south of Corkscrew Road, 2.5 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 244 ft, cased to 106 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. threaded PVC casing, 2.85 ft above land surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1982 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.00 ft NGVD, Nov. 24, 1987; lowest measured, 6.43 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1325	9.59	24...	1340	6.57
26...	1140	9.72	JUN		
NOV			26...	1150	7.51
29...	1235	8.75	JUL		
DEC			31...	1130	8.72
27...	1355	8.29	AUG		
JAN			28...	0700	9.47
29...	1530	7.68			
FEB					
26...	1230	7.24			

LEE COUNTY

WELL NUMBER.--262514081393401. Local Number L 5665.

LOCATION.--Lat 26°25'14", long 81°39'34", in SE¼SE¼ sec.36, T.46 S., R.26 E., Hydrologic Unit 03090204, on 6-L Ranch Road, 6 mi east of I-75 and 2 mi south of Corkscrew Road, 8 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 37, cased to 32 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of threaded coupling, 2.60 above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1982 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.23 ft NGVD, Aug. 31, 1983; lowest measured, 12.22 ft NGVD, Apr. 19, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1020	16.10	24...	1520	13.92
26...	0955	16.11	MAY		
NOV			23...	1520	13.39
29...	1340	15.56	JUN		
DEC			26...	1255	14.32
27...	1455	15.74	JUL		
JAN			31...	0830	17.06
30...	1405	15.12	AUG		
FEB			28...	0850	17.09
26...	1350	15.44			
MAR					
26...	1310	14.47			

WELL NUMBER.--262514081393402. Local Number L 5664.

LOCATION.--Lat 26°25'14", long 81°39'34", in SE¼SE¼ sec.36, T.46 S., R.26 E., Hydrologic Unit 03090204, on 6-L Ranch Road, 6 mi east of I-75, and 2 mi south of Corkscrew Road, 8 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of threaded coupling, 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1982 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.13 ft NGVD, June 30, 1987; lowest measured, 3.96 ft NGVD, Apr. 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1020	11.05	26...	1310	4.28
26...	1000	9.80	APR		
NOV			24...	1525	3.96
29...	1340	5.50	JUN		
DEC			26...	1300	7.62
27...	1455	6.14	JUL		
JAN			31...	0830	10.09
30...	1405	6.43	AUG		
FEB			28...	0850	11.25
26...	1350	6.44			

LEE COUNTY

WELL NUMBER.--262538082045701. Local Number L 588.

LOCATION.--Lat 26°25'38", long 82°04'57", in NE¼NW¼ sec.35, T.46 S., R.22 E., Hydrologic Unit 03100103, 15 ft south of observation tower at Ding Darling Wildlife Refuge-Bailey Tract and 0.7 mi south of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 557 ft, cased to 403 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 2.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. elbow, 1.90 ft above land-surface datum.

REMARKS.--Water-levels affected by nearby pumping wells. Well also sampled for water quality.

PERIOD OF RECORD.--January 1964 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.4 ft NGVD, Oct. 23, 1986; lowest measured, 4.6 ft NGVD, Apr. 18, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1000	18.20	25...	1330	17.50
27...	1015	17.40	MAY		
NOV			24...	1350	19.20
30...	1040	17.00	JUN		
DEC			25...	1005	20.00
29...	0930	14.80	AUG		
FEB			01...	1000	18.40
01...	0920	13.80	29...	1040	21.40
MAR					
01...	0800	17.20			
29...	1055	15.80			

WELL NUMBER.--262547082051201. Local Number L 590.

LOCATION.--Lat 26°25'48", long 82°05'10", in SW¼SW¼ sec.26, T.46 S., R.26 E., Hydrologic Unit 03100103, in the Ding Darling Wildlife Refuge Bailey Tract and 0.7 mi south of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 620 ft, cased to 464 ft.

INSTRUMENTATION.--Monthly measurements with pressure gage.

DATUM.--Elevation of land-surface is 3.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. elbow, 1.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping. Well also sampled for water quality.

PERIOD OF RECORD.--January 1964 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.2 ft NGVD, Oct. 31, 1983; lowest measured, 7.9 ft NGVD, Apr. 18, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1030	20.90	25...	1345	17.40
27...	1045	20.90	MAY		
NOV			24...	1410	19.70
30...	1100	18.40	JUN		
DEC			25...	1015	19.90
29...	0945	15.90	AUG		
FEB			01...	1010	18.30
01...	0940	15.50	29...	1030	19.80
MAR					
01...	0815	19.00			
29...	1115	18.20			

LEE COUNTY

WELL NUMBER.--262549082035301. Local Number L 1403.

LOCATION.--Lat 26°25'49", long 82°03'53", in NW¼SE¼ sec.25, T.46 S., R.22 E., Hydrologic Unit 03100103, 0.9 mi south of intersection of Periwinkle Way and Casa Ybel Road and 1.1 mi southeast of Sanibel Post Office. Owner: U.S. Geological Survey.

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.--Digital water-level recorder -- 60-minute punch.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--February 1971 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.37 ft NGVD, Sept. 18, 1985; lowest, 0.62 ft below NGVD, June 17, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.73	1.89	1.31	1.67	1.08	1.36	.72	.27	.76	.63	.33	1.21
10	2.96	1.64	1.48	1.62	1.00	1.16	.56	.19	.77	.59	.20	1.39
15	2.67	1.49	1.54	1.47	1.29	1.03	.47	.09	.58	.61	.53	1.60
20	2.47	1.43	1.60	1.36	1.11	.92	.36	-0.01	.39	.58	.67	2.43
25	2.23	1.47	1.93	1.29	1.66	.78	.35	.10	.29	.43	.85	2.14
EQM	2.07	1.43	1.78	1.14	1.53	.80	.39	.54	.38	.49	.89	2.15
MEAN	2.57	1.64	1.58	1.46	1.25	1.03	.50	.20	.53	.55	.55	1.74
MAX	3.07	2.04	1.93	1.76	1.66	1.48	.83	.54	.77	.63	.91	2.52
MIN	2.04	1.43	1.28	1.14	1.00	.64	.29	-0.04	.28	.39	.19	.85

WTR YR 1990 MEAN 1.13 MAX 3.07 OCT 8 MIN -0.04 MAY 22 AND OTHERS

WELL NUMBER.--262552081485701. Local Number L 741.

LOCATION.--Lat 26°25'52", long 81°48'57", in NE¼NW¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 119 ft, cased to 102 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.89 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1968 to December 1974 (bimonthly); January 1975 to current year (monthly). Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.99 ft NGVD, Oct. 30, 1969; lowest measured, 6.95 ft NGVD, May 8, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1340	8.92	24...	0835	7.16
25...	1600	9.09	MAY		
NOV			22...	1445	7.08
29...	1035	8.67	JUN		
DEC			25...	1240	7.65
26...	1445	8.40	JUL		
JAN			30...	1230	8.68
29...	1330	7.97	AUG		
FEB			27...	1030	9.43
26...	0925	7.66	SEP		
MAR			27...	1445	9.64
26...	1005	7.38			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

259

LEE COUNTY

WELL NUMBER.--262552081485702. Local Number L 2295.

LOCATION.--Lat 26°25'52", long 81°48'57", in NE¼NW¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 610 ft, cased to 300 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 casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1976 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.3 ft NGVD, Oct. 29, 1987; lowest measured, 31.8 ft NGVD, July 29, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1340	37.50	24...	0845	36.80
25...	1650	37.40	MAY		
NOV			22...	1450	36.80
29...	1040	34.50	JUN		
DEC			25...	1225	37.20
26...	1445	37.20	JUL		
JAN			30...	1230	37.30
29...	1330	37.40	AUG		
FEB			28...	1040	36.90
26...	0930	37.20			
MAR					
26...	1010	36.70			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--262552081485703. Local Number L 2308.

LOCATION.--Lat 26°25'52", long 81°48'57", in NE¼NW¼ 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. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft, cased to 12 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, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1976 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.81 ft NGVD, Sept. 28, 1984; lowest measured, 8.30 ft NGVD, May 28, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1340	11.59	24...	0835	9.34
25...	1655	11.33	MAY		
NOV			22...	1445	9.94
29...	1035	10.51	JUN		
DEC			25...	1245	11.09
26...	1445	10.38	JUL		
JAN			30...	1225	13.80
29...	1330	9.89	AUG		
FEB			27...	1030	13.77
26...	0925	10.27			
MAR					
26...	1005	9.60			

LEE COUNTY

WELL NUMBER.--26262208202001. Local Number L 1456.

LOCATION.--Lat 26°26'22", long 82°02'20", in NW¼NW¼ sec.30, T.46 S., R.23 E., Hydrologic Unit 03100103, 0.5 mi south of the intersection of Periwinkle Way and Lindgren Boulevard, and 2.7 mi east of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Limestone aquifer of Pleistocene Age, Geologic Unit 112 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 33 ft, cased to 32 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf, 2.90 ft above land-surface datum.

REMARKS.--Water levels affected by tidal fluctuations. Well also sampled for water quality.

PERIOD OF RECORD.--July 1971 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.94 ft NGVD, Aug 28, 1985; lowest measured, 0.63 ft below NGVD, Nov. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0915	1.03	25...	1200	2.36
27...	0920	1.10	MAY		
NOV			24...	1300	2.84
30...	0945	-0.63	JUN		
DEC			25...	0925	2.86
29...	0900	-0.22	AUG		
FEB			01...	0925	2.22
01...	0845	0.79	29...	0950	2.13
MAR					
01...	0650	1.57			
29...	1015	1.68			

WELL NUMBER.--26262208202002. Local Number L 1457.

LOCATION.--Lat 26°26'22", long 82°02'20", in NW¼NW¼ sec.29, T.46 S., R.23 E., Hydrologic Unit 03100103, 0.5 mi south of the intersection of Periwinkle Way and Lindgren Boulevard, and 2.7 mi east of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 11 ft, cased to 8 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft above land-surface datum.

REMARKS.--Water levels affected by tidal fluctuations. Well also sampled for water quality.

PERIOD OF RECORD.--July 1971 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft NGVD, July 28, 1986; lowest measured, 0.01 ft NGVD, Dec. 1, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0920	3.55	25...	1210	1.37
27...	0930	2.20	MAY		
NOV			24...	1300	1.34
30...	0950	1.70	JUN		
FEB			25...	0930	1.90
01...	0850	1.40	AUG		
MAR			01...	0925	2.18
01...	0655	2.30	29...	0950	2.63
29...	1020	1.56			

LEE COUNTY

WELL NUMBER.--262622082074401. Local Number L 2524.

LOCATION.--Lat 26°26'22", long 82°07'44", in NE¼NW¼ sec.29, T.46 S., R.21 E., Hydrologic Unit 03100103, at end of Gulf Drive, 4.0 mi south of Sanibel Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.16 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8 in. casing, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1977 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.2 ft NGVD, June 7, 1978; lowest measured, 0.7 ft below NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1045	13.00	25...	1400	5.86
27...	1120	10.40	MAY		
NOV			24...	1430	14.10
30...	1145	6.56	JUN		
DEC			25...	1130	16.50
29...	1000	6.18	AUG		
FEB			01...	1030	7.64
01...	1015	2.10	29...	1050	11.30
MAR					
29...	--	5.86			

WELL NUMBER.--262649082070201. Local Number L 2583.

LOCATION.--Lat 26°26'49", long 82°07'02", in NW¼SW¼ sec.21, T.46 S., R.22 E., Hydrologic Unit 03100103, 50 ft west of the Sanibel Elementary School swimming pool, 190 ft north of Sanibel-Captiva Road and 2.5 mi northwest of Sanibel. Owner: Island Water Association.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 650 ft, cased to 610 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 4.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. by 3/4 in. PVC reducer 3.1 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by near by IWA production well.

PERIOD OF RECORD.--February 1978 and March 1987 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.0 ft NGVD, Feb. 3, 1978; lowest measured, 52.77 ft below NGVD, Dec. 29, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1115	7.30	25...	1430	-39.97
27...	1140	-34.27	MAY		
NOV			24...	1440	14.00
30...	1200	-52.52	JUN		
DEC			25...	1100	-7.85
29...	1030	-52.77	AUG		
FEB			01...	1050	-44.69
01...	1030	-47.77	29...	1050	1.40
MAR					
01...	0850	-20.07			
29...	1150	-50.37			

LEE COUNTY

WELL NUMBER.--262657081443501. Local Number L 739.

LOCATION.--Lat 26°26'57", long 81°44'35", in NE¼NE¼ sec.30, T.46 S., R.26 E., Hydrologic Unit 03090204, 4.5 mi east of intersection of U.S. Highway 41 and Corkscrew Road, and 5.3 mi southeast of Estero Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.65 ft above National Geodetic Vertical Datum of 1929. Measuring point; top casing, 2.87 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1968 to September 1974 (bimonthly); October 1974 to September 1977 (daily); October 1977 to current year. Records of water levels prior to October 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.76 ft NGVD, Mar. 30, 1970; lowest measured, 11.11 ft NGVD, May 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0920	17.35	24...	1405	11.64
26...	1105	17.48	MAY		
NOV			23...	1340	11.11
29...	1250	14.12	JUN		
DEC			26...	1210	12.54
27...	1405	14.12	JUL		
JAN			31...	0730	13.67
30...	1330	13.29	AUG		
FEB			28...	0720	13.84
26...	1215	13.42			
MAR					
26...	1230	12.30			

WELL NUMBER.--262659081382501. Local Number L 2192.

LOCATION.--Lat 26°26'59", long 81°38'25", in NW¼NW¼ sec.29, T.46 S., R.27 E., Hydrologic Unit 03090204, 10.7 mi east of intersection of U.S. Highway 41 and Corkscrew Road, and 11.6 mi east of Estero Post Office. Owner: U.S. Geological Survey.

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, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.79 ft NGVD, Sept. 26, 1975; lowest measured, 7.92 ft NGVD, Apr. 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1030	15.64	26...	1320	8.16
26...	0940	14.07	APR		
NOV			24...	1545	7.92
29...	1425	11.35	JUN		
DEC			26...	1305	10.29
27...	1505	10.61	JUL		
JAN			31...	0840	14.07
30...	1415	11.06	AUG		
FEB			28...	0900	14.88
26...	1400	10.54			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--262703081340201. Local Number L 731.

LOCATION.--Lat 26°27'03", long 81°34'02", in NE¼NE¼ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 0.2 mi west of Hendry County line, 4.5 mi south of State Highway 82, and 11.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 25.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.43 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by pumping nearby wells. Water levels estimated Feb. 26 - Mar. 26, June 28 - July 31, Aug. 11-27, 1990 water year.

PERIOD OF RECORD.--August 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.50	-1.61	-4.86	4.15	4.90	6.98	5.58	-6.97	2.49	3.15	5.92	19.63
10	5.00	-0.07	7.71	11.29	5.32	8.30	-6.94	-3.72	2.48	4.10	2.32	5.47
15	8.72	.97	-1.48	12.41	2.15	6.43	-7.80	-5.88	2.47	5.18	6.30	3.59
20	12.52	-1.92	-5.90	13.34	2.75	4.35	-7.77	-6.78	-1.40	5.68	11.70	15.67
25	1.61	-1.14	-4.53	12.92	12.99	2.01	-6.03	-3.55	-0.48	6.38	15.75	2.20
EOM	-0.19	-2.42	1.66	13.39	8.30	-7.18	-7.45	-2.01	1.98	7.34	18.85	13.28
MEAN	5.36	-0.57	-2.47	10.40	5.93	3.66	-4.37	-5.88	1.35	4.98	9.35	10.59
MAX	15.02	4.32	8.55	13.39	13.93	8.74	5.85	-2.01	2.58	7.34	18.85	19.63
MIN	-0.61	-3.36	-6.71	2.50	-1.02	-7.86	-7.80	-7.82	-1.40	2.25	2.32	.59

WTR YR 1990 MEAN 3.19 MAX 19.63 SEP 5 MIN -7.86 MAR 30

WELL NUMBER.--262703081340202. Local Number L 1138.

LOCATION.--Lat 26°27'03", long 81°34'02", in NE¼NE¼ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 0.2 mi west of Hendry County line, 4.5 mi south of State Highway 82, and 11.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 25.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--June 1970 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.0 ft NGVD, Aug. 27, 1970; lowest measured, 20.98 ft NGVD, Mar. 28, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1100	22.30	24...	1610	21.67
26...	0900	22.03	MAY		
NOV			23...	1555	21.49
29...	1500	21.85	JUN		
DEC			26...	1330	22.20
27...	1525	22.39	JUL		
JAN			31...	0910	21.93
30...	1530	21.59	AUG		
FEB			28...	0930	22.31
26...	1425	22.11			
MAR					
26...	1340	21.76			

LEE COUNTY

WELL NUMBER.--262703081340203. Local Number L 2313.

LOCATION.--Lat 26°27'03", long 81°34'02", in NE¼NE¼ sec.25, T.46 S., R.27 E., Hydrologic Unit 03090204, 0.2 mi west of Hendry County line, 4.5 mi south of State Highway 82, and 11.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 25.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 2.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1976 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.5 ft NGVD, Nov. 24, 1987; lowest measured, 46.6 ft NGVD, June 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1100	50.50	24...	1615	50.70
26...	0900	49.90	MAY		
NOV			23...	1600	49.60
29...	1500	50.90	JUN		
DEC			26...	1330	50.00
27...	1530	51.40	JUL		
JAN			31...	0915	50.10
30...	1425	51.10	AUG		
FEB			28...	0945	50.80
26...	1430	50.60			
MAR					
26...	1345	50.60			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--262706081435401. Local Number L 1853.

LOCATION.--Lat 26°27'06", long 81°43'54", in SW¼SE¼ sec.20, T.46 S., R.26 E., Hydrologic Unit 03090204, 5.1 mi east of intersection of Corkscrew Road and U.S. Highway 41, and 6.0 mi east of Estero Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.75 ft above land-surface datum.

REMARKS.--Well is also sampled for water quality. The casing is cracked at approximately 15 ft.

PERIOD OF RECORD.--November 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.52 ft NGVD, Sept. 28, 1983; lowest measured, 3.05 ft NGVD, May 15, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0930	11.00	24...	1415	3.48
26...	1055	9.61	MAY		
NOV			23...	1420	3.63
29...	1255	5.09	JUN		
DEC			26...	1215	6.83
27...	1410	4.85	JUL		
JAN			31...	0740	9.06
30...	1330	4.96	AUG		
FEB			28...	0730	10.13
26...	1250	4.49			
MAR					
26...	1235	3.69			

LEE COUNTY

WELL NUMBER.--262710082005301. Local Number L 585.

LOCATION.--Lat 26°27'08", long 82°00'54", in SW¼NE¼ sec.21, T.46 S., R.23 E., Hydrologic Unit 03100103, 200 ft west of Lighthouse, and 7 mi east of Sanibel Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn limestone aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation 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: Top of 6 in. plug, 2.10 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1964 to current year. Records of water levels prior to October 1981 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.3 ft NGVD, July 26, 1988; lowest measured, 21.2 ft NGVD, Jan. 28, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0930	31.20	25...	1245	29.00
27...	0945	30.30	MAY		
NOV			24...	1315	28.60
30...	1000	29.70	JUN		
DEC			25...	0935	28.20
29...	0915	28.10	AUG		
FEB			01...	0935	29.00
01...	0900	28.40	29...	1000	30.00
MAR					
01...	0715	29.00			
29...	1030	28.80			

WELL NUMBER.--262713081414601. Local Number L 1984.

LOCATION.--Lat 26°27'13", long 81°41'46", in SE¼SE¼ sec.22, T.46 S., R.26 E., Hydrologic Unit 03050204, 7.4 mi east of intersection of U.S. Highway 41 and Corkscrew Road, and 8.2 mi east of Estero Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 288 ft, cased to 206 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 20.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 3.58 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of municipal well field. Well also sampled for water quality. Water levels estimated Feb. 26 - Mar. 8, Apr. 11-24, for 1990 water year.

PERIOD OF RECORD.--November 1974 to September 1978 (monthly); October 1978 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 28.01 ft NGVD, Aug. 20, 1990; lowest, 14.83 ft below NGVD, Mar. 13, 1986.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.70	3.86	3.60	-0.23	-1.55	4.15	5.81	4.50	20.91	19.61	20.43	24.73
10	9.59	5.23	4.30	1.64	-0.96	6.34	5.13	16.02	16.76	19.71	25.52	24.05
15	11.16	.53	2.77	3.97	1.37	5.69	4.92	5.54	18.72	20.46	25.96	25.84
20	11.26	1.43	3.35	6.54	-2.04	6.25	4.82	5.66	18.67	21.14	28.01	26.11
25	11.86	-0.60	-0.45	.22	1.00	5.87	4.68	13.54	19.51	20.45	25.71	23.32
EOM	10.31	1.90	.58	2.13	2.05	4.68	5.05	18.79	18.84	22.76	23.67	25.96
MEAN	10.04	3.94	2.13	2.85	.66	5.30	5.08	8.83	18.91	20.71	24.65	24.88
MAX	12.37	8.79	4.85	7.37	2.51	6.46	5.81	18.98	20.91	24.07	28.01	27.66
MIN	5.81	-0.60	-2.45	-2.42	-2.04	2.40	4.46	-4.72	16.76	18.82	20.43	21.36
WTR YR 1990	MEAN	10.72	MAX	28.01	AUG 20	MIN	-4.72	MAY 1				

LEE COUNTY

WELL NUMBER.--262713081414701. Local Number L 1985.

LOCATION.--Lat 26°27'13", long 81°41'47", in NW¼SE¼ sec.22, T.46 S., R.26 E., Hydrologic Unit 03090204, 7.4 mi east of intersection of U.S. Highway 41 and Corkscrew Road, and 8.2 mi east of Estero Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 20.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.56 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to September 1978 (monthly); October 1978 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.12 ft NGVD, Jan. 27, 1980; lowest, 7.33 ft NGVD, May 7, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.34	14.47	12.87	11.73	10.61	10.23	8.83	7.85	7.87	9.07	13.11	15.32
10	15.43	14.45	12.29	11.42	10.73	10.06	8.89	7.78	8.03	9.22	12.96	14.75
15	15.72	13.73	12.39	11.38	10.50	9.47	8.83	7.55	8.50	9.97	13.40	14.52
20	15.72	13.38	12.40	10.96	10.35	9.60	8.55	7.80	8.37	11.51	14.28	13.96
25	15.70	13.37	12.32	10.99	10.43	9.26	7.77	7.85	8.55	12.81	13.69	13.73
EOM	15.12	12.91	11.73	11.00	10.21	8.97	7.54	7.39	8.68	13.51	13.41	14.79
MEAN	15.59	13.87	12.38	11.31	10.63	9.67	8.49	7.74	8.31	10.73	13.47	14.32
MAX	15.91	15.20	13.24	11.97	11.04	10.47	9.11	8.22	8.85	13.59	14.28	15.32
MIN	15.12	12.77	11.73	10.73	10.21	8.97	7.54	7.33	7.69	8.54	12.70	13.55

WTR YR 1990 MEAN 11.38 MAX 15.91 OCT 28 MIN 7.33 MAY 7

WELL NUMBER.--262755082090902. Local Number L 5734.

LOCATION.--Lat 26°27'55", long 82°09'09", in SW¼NW¼ sec.18, T.46 S., R.22 E., Hydrologic Unit 03100103, 25 ft east of Bowman Beach Road, 200 ft south of intersection of Bowman Road and Sanibel-Captiva Road and 5 mi northwest of Sanibel. Owner: Island Water Association.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 608 ft cased to 440 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 4.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. cap, 1.42 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels affected by IWA production wells.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 20.90 ft NGVD, Mar. 27, 1987; lowest, 15.11 ft below NGVD, June 2, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1125	-2.08	01...	0850	-9.81
27...	1200	-8.10	29...	1200	-14.36
NOV			APR		
30...	1210	-8.61	25...	1445	-12.16
DEC			JUN		
29...	1050	-4.56	25...	1125	3.88
FEB			AUG		
01...	1045	5.79	01...	1120	0.59
			29...	1125	14.69

LEE COUNTY

WELL NUMBER.--262831081575901. Local Number L 2212.

LOCATION.--Lat 26°28'31", long 81°57'59", in NW¼NW¼ sec.13, T.46 S., R.23 E., Hydrologic Unit 03090205, at Bunch Beach, 400 ft east of John Morris Road at Gulf of Mexico, 2 mi northwest of Ft. Myers Beach Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 1.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Southeast corner of metal meter box, 0.50 ft above land surface datum.

REMARKS.--Well also sampled for water quality.

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 measured, 2.89 ft below NGVD, May 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1230	4.52	25...	1700	-2.03
27...	1400	4.42	MAY		
NOV			24...	1700	-2.89
30...	1330	0.58	JUN		
DEC			25...	1235	1.30
29...	1230	0.02	AUG		
FEB			01...	1230	1.64
01...	1240	-2.35	29...	1220	2.92
27...	1650	-1.14			
MAR					
29...	1330	-1.41			

WELL NUMBER.--262839081503100. Local Number L 735.

LOCATION.--Lat 26°28'39", long 81°50'31", in NE¼NE¼ sec.18, T.46 S., R.25 E., Hydrologic Unit 03090204, on south side of Park Road, 0.2 mi west of U.S. Highway 41, and 1.5 mi northwest of Estero Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with pressure gage, and chalked tape.

DATUM.--Land-surface datum is 4.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 3.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1968 to November 1974 (bimonthly); December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.4 ft NGVD, Oct. 31, 1969; lowest measured, 1.73 ft below NGVD, June 6, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1410	6.53	24...	0820	-0.64
25...	1625	5.56	MAY		
NOV			22...	1435	-0.18
29...	1030	2.73	JUN		
DEC			25...	1300	2.23
26...	1435	2.54	JUL		
JAN			30...	1215	5.19
29...	1320	2.71	AUG		
FEB			27...	1015	6.23
26...	0915	1.86	SEP		
MAR			27...	1430	7.39
26...	0955	1.00			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--262944081560801. Local Number L 2529.

LOCATION.--Lat 26°29'13", long 81°56'25", in SW¼NE¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 545 ft, cased to 304 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 casing, 0.28 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.0 ft NGVD, Nov. 30, 1981; lowest measured, 23.4 ft NGVD, May 30, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0845	26.70	25...	1720	27.10
25...	1240	26.30	MAY		
NOV			24...	1720	27.50
30...	1120	25.70	JUN		
FEB			25...	1320	28.30
27...	1720	27.40	AUG		
MAR			01...	1315	28.30
29...	1000	26.90	29...	1300	29.20

WELL NUMBER.--262934081495801. Local Number L 5649.

LOCATION.--Lat 26°29'34", long 81°47'28", in NE¼NE¼ sec.10, T.46 S., R.25 E., Hydrologic Unit 03090204, on the north side of Alico Road, 0.3 mi east of I 75, and 12 mi southeast of Ft. Myers Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 21.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of Recorder shelf, 1.69 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.41 ft NGVD, Sept. 12, 13, 1986; lowest, 5.38 ft NGVD, Apr. 29, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.71	13.67	11.88	11.79	9.36	9.85	10.69	10.07	12.06	13.39	15.04	16.19
10	16.32	14.32	12.74	11.68	9.08	9.05	9.38	9.92	12.66	13.61	15.02	16.21
15	15.36	13.25	12.02	11.18	9.71	9.13	8.80	10.53	12.92	13.98	15.46	16.06
20	14.99	13.26	12.03	11.66	9.12	9.67	8.50	10.78	13.14	14.59	15.66	16.08
25	15.61	12.49	11.44	10.98	9.95	8.82	8.78	10.93	13.18	14.92	15.77	16.30
EOM	14.09	13.61	11.85	10.20	9.49	9.58	9.80	11.57	13.04	15.28	16.05	16.42
MEAN	15.33	13.46	12.07	11.34	9.39	9.24	9.34	10.55	12.74	14.18	15.47	16.18
MAX	16.37	14.37	13.42	11.81	10.08	9.85	10.69	11.57	13.20	15.29	16.06	16.42
MIN	14.09	12.20	11.21	10.06	8.76	8.56	8.27	9.89	11.64	13.04	14.98	16.05

WTR YR 1990 MEAN 12.46 MAX 16.42 SEP 30 MIN 8.27 APR 23

LEE COUNTY

WELL NUMBER.--262934081495802. Local Number L 5721.

LOCATION.--Lat 26°29'34", long 81°47'28" in NE¼NE¼ sec. 10, T.46 S., R.24 E., Hydrologic Unit 03090204, on north side of Alico Road, 0.3 mi east of intersection with I-75, and 12 mi southeast of Ft. Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRS D.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 27 ft, cased to 17 ft, screened to 17 to 27 ft with 0.020 slot.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.28 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.15 ft NGVD, Aug. 29, 1986; lowest measured, 10.85 ft NGVD, June 3, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0855	18.60	26...	0935	16.04
25...	1555	18.18	APR		
NOV			24...	0750	15.65
29...	0940	17.07	JUN		
DEC			25...	1345	15.91
26...	1410	17.24	JUL		
JAN			30...	1150	17.06
29...	1305	16.66	AUG		
FEB			27...	1005	17.59
26...	0900	16.80			

WELL NUMBER.--263004082111701. Local Number L 2315.

LOCATION.--Lat 26°30'04", long 82°11'17", in SE¼NE¼ 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. Owner: Replogle.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMS N.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in., depth 596 ft cased to 535 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 in. 6 in "T," 1.80 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 24.8 ft NGVD, Aug. 30, 1989; lowest, 18.4 ft NGVD, Apr. 27, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1135	23.80	25...	1530	18.90
27...	1220	23.60	MAY		
DEC			24...	1550	20.00
29...	1110	20.60	JUN		
FEB			25...	1135	21.20
01...	1100	20.50	AUG		
MAR			01...	1130	21.00
01...	0900	20.90	29...	1130	21.20
29...	1220	19.50			

LEE COUNTY

WELL NUMBER.--263041081433101. Local Number L 1983.

LOCATION.--Lat 26°30'41", long 81°43'31", in SW¼SW¼ sec.33, T.45 S., R.26 E., Hydrologic Unit 03090204, at Florida Cities well field, 1.3 mi north of Alico Road, and 7.2 mi northeast of Estero Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with pressure gage.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.1 ft NGVD, Oct. 29, 1975; lowest measured, 28.0 ft NGVD, June 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0850	29.99	24...	0715	28.76
25...	1525	30.23	MAY		
NOV			22...	1405	28.53
29...	0930	30.33	JUN		
DEC			25...	1325	28.55
26...	1400	29.93	JUL		
JAN			30...	1130	28.90
29...	1240	29.62	AUG		
FEB			27...	0930	29.52
26...	0840	29.42	SEP		
MAR			27...	0920	29.02
26...	0900	28.92			

WELL NUMBER.--263041081433102. Local Number L 1988.

LOCATION.--Lat 26°30'41", long 81°43'31" in SW¼SW¼ sec.33, T.45 S., R.26 E., Hydrologic Unit 03090204, at Florida Cities well field, 1.3 mi north of Alico Rd., and 7.2 mi northeast of Estero Post Office. Owner: Florida Cities Water Co.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 112 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 160 ft cased to 100 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 26.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.61 ft above land-surface datum (correction).

REMARKS.--Water levels affected by pumping of nearby wells. Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.63 ft NGVD, Sept. 26, 1975; lowest, 24.41 ft below NGVD, Oct. 29, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.05	.43	5.79	-9.24	-12.93	-10.50	-11.89	-10.68	-9.42	-8.37	-0.84	10.91
10	3.06	10.85	6.22	-9.38	-12.74	-12.02	-12.01	-11.35	-3.89	-8.06	-1.42	2.07
15	7.18	-5.78	-1.82	-4.04	-12.19	-11.86	-11.76	-10.63	-2.81	8.55	-7.41	10.83
20	-0.28	10.14	-8.42	-12.12	-12.83	-11.32	-12.00	-11.71	-7.39	5.51	-1.54	14.39
25	2.78	10.10	-8.00	-10.54	-11.16	-12.11	-11.78	-1.95	-4.12	2.70	2.94	15.05
EOM	1.61	8.72	.26	-12.54	-11.54	-12.30	-11.21	-3.95	-9.36	-4.85	10.15	13.29
MEAN	3.76	5.76	.18	-8.55	-12.32	-11.67	-11.67	-8.65	-5.20	-0.10	-1.30	11.38
MAX	17.29	11.87	9.89	1.64	-10.95	-8.12	-7.75	-1.69	-1.30	11.20	10.15	15.50
MIN	-2.62	-6.00	-8.63	-12.91	-13.36	-12.45	-12.39	-11.82	-9.85	-9.02	-7.41	1.28
WTR YR 1990	MEAN	-3.16	MAX	17.29	OCT	4	MIN	-13.36	FEB	9		

LEE COUNTY

WELL NUMBER.--263041081433103. Local Number L 1999.

LOCATION.--Lat 26°30'41", long 81°43'31", in SW¼SW¼ sec.33, T.45 S., R.26 E., Hydrologic Unit 03090204, at Florida Cities well field, 1.3 mi north of Alico Road, and 7.2 mi northeast of Estero Post Office. Owner: U.S. Geological Survey.

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 16 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 casing, 3.32 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--November 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.60 ft NGVD, June 30, 1982; lowest measured, 18.46 ft NGVD, Mar. 31, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0845	24.01	24...	0705	18.68
25...	1520	23.84	MAY		
NOV			22...	1400	18.95
29...	0925	21.62	JUN		
DEC			25...	1325	20.30
26...	1355	22.42	JUL		
JAN			30...	1120	23.10
29...	1245	20.88	AUG		
FEB			27...	0930	23.80
26...	0830	20.25			
MAR					
26...	0855	18.53			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263117082051001. Local Number L 2525.

LOCATION.--Lat 26°31'17", long 82°05'10", in SE¼SW¼ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, at intersection of Pine Island Boulevard and Castile Road and 0.9 mi north of Saint James City Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 645 ft, cased to 405 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.89 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1977 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.2 ft NGVD, Sept. 30, 1981; lowest measured, 25.4 ft NGVD, Aug. 28, 1980.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1015	32.40	23...	1345	30.00
25...	1210	30.60	MAY		
NOV			15...	1350	29.00
30...	1140	31.20	22...	1630	28.80
DEC			JUN		
26...	1105	30.00	26...	1630	29.80
JAN			AUG		
29...	1030	31.10	01...	1440	31.20
FEB			30...	1205	30.70
28...	0955	30.00	SEP		
MAR			19...	1130	30.20
26...	1230	29.00			

LEE COUNTY

WELL NUMBER.--263117082051002. Local Number L 2821.

LOCATION.--Lat 26°31'17", long 82°05'10", in SE¼SW¼ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, at intersection of Pine Island Boulevard and Castile Road and 0.9 mi north of Saint James City Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 3.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.4 ft NGVD, Jan. 28, 1986; lowest measured, 12.2 ft NGVD, May 2, 1985, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1015	15.20	26...	1225	12.60
25...	1210	14.00	APR		
NOV			23...	1345	13.00
30...	1140	14.20	JUN		
DEC			27...	1530	13.20
26...	1105	14.00	AUG		
JAN			01...	1440	13.00
29...	1035	14.00	30...	1210	14.30
FEB			SEP		
28...	0955	12.70	27...	0815	14.50

WELL NUMBER.--263117082051003. Local Number L 3215.

LOCATION.--Lat 26°31'17", long 82°05'10", in SE¼SW¼ sec.26, T.45 S., R.22 E., Hydrologic Unit 03100103, at intersection of Pine Island Boulevard and Castile Road and 0.9 mi north of Saint James Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 3.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.86 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.69 ft NGVD, Aug. 25, 1986; lowest measured, 0.49 ft below NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1015	4.13	26...	1220	1.08
25...	1210	3.11	APR		
NOV			23...	1340	0.44
30...	1140	2.28	JUN		
DEC			27...	1530	0.42
26...	1105	3.05	AUG		
JAN			01...	1440	1.85
29...	1030	1.66	30...	1200	3.00
FEB					
28...	0950	2.32			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263124081521401. Local Number 1089.

LOCATION.--Lat 26°31'24", long 81°52'14", in NW¼NW¼ sec.36, T.45 S., R.24 E., Hydrologic Unit 03090204, 160 ft east of US 41, 0.25 mi south of intersection of US 41 and Gladiolus Drive and 8.1 mi south of Fort Myers. Owner: Jamaica Bay West.

AQUIFER.--Mid Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 225 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in. PVC threaded coupling, 0.96 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.04 ft NGVD, Aug. 19, 1970; lowest, 36.48 ft below NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1400	-13.65	09...	1330	-33.74
25...	1315	-16.65	23...	1730	-36.48
NOV			MAY		
30...	1400	-27.30	07...	1330	-35.82
DEC			24...	1225	-32.78
27...	1530	-25.70	JUN		
JAN			11...	1300	-22.22
16...	1330	-28.33	25...	1330	-21.45
29...	1530	-31.00	AUG		
FEB			01...	1330	-13.63
12...	1315	-31.90	29...	1305	-10.88
27...	1730	-27.60	SEP		
MAR			27...	1420	-14.99
12...	1235	-30.62			
29...	1500	-34.30			

LEE COUNTY

WELL NUMBER.--263127081351602. Local Number L 2215.

LOCATION.--Lat 26°31'27", long 81°35'16", in NW¼NE¼ sec.35, T.45 S., R.27 E., Hydrologic Unit 03090205, at State Highway 82, 1.5 mi west of Hendry County Line, and 7.6 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

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.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.97 ft NGVD, Aug. 30, 1978; lowest measured, 7.89 ft NGVD, May 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1220	19.63	09...	0845	11.22
23...	1500	19.06	25...	0835	8.96
NOV			MAY		
27...	1320	13.89	07...	0835	8.55
DEC			25...	1010	7.89
11...	0910	13.26	JUN		
JAN			26...	0805	14.53
16...	0915	15.06	JUL		
29...	1345	15.39	31...	1705	19.62
FEB			AUG		
12...	0905	14.16	29...	1440	19.25
26...	0905	13.94	SEP		
MAR			27...	1100	16.22
12...	0840	14.28			
27...	1210	10.67			

WELL NUMBER.--263138081545801. Local Number L 730.

LOCATION.--Lat 26°31'27", long 81°35'16", in NW¼NE¼ sec.35, T.45 S., R.27 E., Hydrologic Unit 03090205, at State Highway 82, 1.5 mi west of the Lee/Hendry County line, and 7.6 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 19 ft, cased to 18.7 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 31.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.37 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1968 to current year. Records of water levels prior to October 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 30.48 ft NGVD, Oct. 30, 1969; lowest, 24.40 ft NGVD, June 7, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.77	26.92	26.20	26.07	25.67	25.83	25.92	25.14	24.99	26.76	26.74	27.22
10	27.74	26.78	26.24	26.02	25.59	25.66	25.65	25.04	26.73	27.12	26.66	26.85
15	27.40	26.61	26.14	25.94	25.82	25.53	25.56	24.93	26.41	27.37	27.22	26.70
20	27.89	26.47	26.07	25.86	25.72	25.43	25.37	24.84	26.46	27.08	27.06	26.65
25	27.36	26.36	26.30	25.80	25.95	25.34	25.30	24.78	26.23	27.74	26.81	26.52
EOB	27.10	26.32	26.18	25.72	25.95	25.89	25.22	24.76	26.09	27.07	27.42	27.42
MEAN	27.57	26.63	26.20	25.92	25.76	25.57	25.56	24.94	26.11	27.15	26.90	26.90
MAX	28.12	27.06	26.30	26.16	25.97	25.93	26.03	25.20	26.73	27.74	27.42	27.46
MIN	27.10	26.32	26.06	25.72	25.59	25.24	25.22	24.76	24.76	26.06	26.59	26.45
WTR YR 1990	MEAN	26.27	MAX	28.12	OCT 1	MIN	24.76	MAY 28	AND OTHERS			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263138082112801. Local Number L 5766.

LOCATION.--Lat 26°31'38", long 82°11'28", in NW¼SW¼ 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, 0.2 mi northeast of Captiva Post Office. Owner: South Seas Plantation.

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

WELL CHARACTERISTICS.--Diven, observation, artesian well, diameter 4 in., depth 730 ft, cased to 686 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in. by 2 in. reducer, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.3 ft NGVD, Oct. 5, 1989; lowest measured, 29.0 ft NGVD, Apr. 7, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1145	33.30	25...	1600	31.00
27...	1245	32.90	MAY		
NOV			24...	1600	29.20
30...	1235	32.00	JUN		
DEC			25...	1145	30.00
29...	1220	30.40	AUG		
FEB			01...	1145	30.00
01...	1130	30.80	29...	1140	30.40
MAR					
01...	0910	30.80			
29...	1300	31.30			

LEE COUNTY

WELL NUMBER.--263233081550301. Local Number L 1598.

LOCATION.--Lat 26°32'33", long 81°55'03", in NW¼SW¼ 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, and 2.1 mi southeast of Cape Coral Post Office. Owner: U.S. Geological Survey.

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.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1972 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.98 ft NGVD, Aug. 8, 1988; lowest measured, 41.66 ft below NGVD, Mar. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0800	-15.28	24...	1800	-37.45
27...	0830	-20.43	MAY		
NOV			24...	1300	-28.66
28...	1600	-29.63	JUN		
DEC			25...	0905	-19.11
27...	1620	-26.44	AUG		
JAN			01...	0905	-16.47
30...	1635	-33.08	29...	0925	-12.56
FEB			SEP		
27...	1815	-26.43	27...	1310	-16.65
MAR					
29...	0930	-41.66			

WELL NUMBER.--263246081531501. Local Number L 1124.

LOCATION.--Lat 26°32'46", long 81°53'15", in SW¼NW¼ sec. 23, T.45 S., R.24 E., Hydrologic Unit 03090204, 75 ft northwest of the intersection of Summerland Road and Cypress Lake Drive. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 230 ft, cased to 126 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in PVC coupling, 1.90 ft above land-surface datum (revision).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1970 to current year. Records of water levels prior to October 1984 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.59 ft NGVD, Aug. 18, 1970; lowest measured, 47.42 ft below NGVD, Apr. 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0830	-22.12	25...	1130	-47.42
25...	1415	-25.72	MAY		
NOV			24...	1150	-43.15
30...	0915	-44.22	JUN		
DEC			25...	0855	-28.88
27...	1550	-39.56	JUL		
JAN			25...	0715	-28.07
29...	1550	-40.02	AUG		
MAR			01...	0855	-18.03
29...	0910	-41.57	29...	0920	-19.45

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263249081474401. Local Number L 5648.

LOCATION.--Lat 26°32'49", long 81°47'44", in SW¼NE¼ sec.22, T.45 S., R.24 E., Hydrologic Unit 03090204, on the north side of Daniels Road, 600 ft west of I-75, 6.5 mi southeast of Ft. Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 123 ft, cased to 118 ft, screened 118 to 123 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC threaded coupling, 2.89 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1983 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.57 ft NGVD, Sept. 28, 1983; lowest measured, 14.09 ft NGVD, May 31, 1983 and May 22, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	1535	18.71	23...	1630	14.51
24...	1645	18.66	MAY		
NOV			22...	1330	14.09
27...	1445	16.61	JUN		
DEC			26...	0755	17.21
27...	1350	16.11	JUL		
JAN			30...	1520	19.14
29...	1400	15.61	AUG		
FEB			30...	1330	19.51
27...	1615	15.91			
MAR					
30...	1125	14.77			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

281

LEE COUNTY

WELL NUMBER.--263249081474402. Local Number L 5720.

LOCATION.--Lat 26°32'49", long 81°47'44", in SW¼NE¼ sec.22, T.45 S., R.24 E., Hydrologic Unit 03090204, on the north side of Daniels Road, 600 ft west of I-75, and 6.5 mi southeast of Ft. Myers Post Office. Owner: U.S. Geological Survey.

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 .020 slot.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.28 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.90 ft NGVD, Sept. 30, 1987; lowest measured, 17.0 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	1530	19.00	30...	1130	18.18
24...	1630	20.22	APR		
NOV			23...	1645	17.40
27...	1435	18.10	JUN		
DEC			26...	0750	19.02
27...	1345	18.60	JUL		
JAN			30...	1525	20.22
29...	1410	17.70	AUG		
FEB			30...	1335	20.32
27...	1610	18.60			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263251081452801. Local Number L 1993.

LOCATION.--Lat 26°32'51" long 81°45'28", in SE¼NE¼ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 6.8 mi east of intersection of U.S. Highway 41 and Daniels Road, and 9.6 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 24.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.27 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality. Water levels estimated Oct. 2 - Nov. 27, 1990 water year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 26.79 ft NGVD, Nov. 13, 1975 and Apr. 1-4, 1980; lowest, 6.60 ft NGVD, June 26, 1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.12	21.73	19.52	20.75	18.51	17.89	17.75	16.34	15.71	18.50	19.87	21.07
10	20.64	21.67	19.60	20.12	18.71	17.70	17.35	15.76	16.77	18.74	20.18	21.15
15	20.52	21.30	19.95	19.57	18.32	17.25	17.35	15.71	17.28	18.99	20.51	21.35
20	20.98	19.98	19.62	19.61	18.10	17.69	16.31	16.02	17.66	19.24	20.57	21.42
25	21.72	20.22	20.31	19.08	18.35	17.91	16.17	15.51	17.79	19.58	20.65	21.58
EOM	21.54	19.43	20.66	18.61	18.75	17.70	16.12	15.54	18.13	19.67	20.96	21.76
MEAN	21.14	20.94	19.89	19.77	18.39	17.69	17.01	15.80	17.05	19.05	20.37	21.34
MAX	21.79	21.77	20.66	20.83	18.92	18.69	17.85	16.38	18.13	19.70	20.96	21.76
MIN	20.38	19.43	19.31	18.61	17.64	17.14	15.86	15.38	15.37	18.26	19.68	20.95
WTR YR 1990	MEAN	19.04	MAX	21.79	OCT 27	MIN	15.37	JUN 1				

WELL NUMBER.--263251081452802. Local Number L 1994.

LOCATION.--Lat 26°32'51", long 81°45'28", in NE¼SE¼ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 6.8 mi east of intersection of U.S. Highway 41 and Daniels Road, and 9.6 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 100 ft, cased to 70 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 24.75 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.77 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 27.19 ft NGVD, June 1, 1975; lowest, 8.89 ft NGVD, Apr. 29, 1988.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.53	18.18	16.26	16.03	12.24	12.72	13.47	13.64	15.68	16.83	18.35	19.64
10	20.23	18.24	16.55	15.84	12.25	12.66	12.88	13.53	16.10	17.04	18.39	19.70
15	20.42	17.88	15.68	14.31	13.13	12.34	11.75	13.70	16.26	17.76	18.87	19.52
20	19.74	17.38	14.81	14.10	12.10	12.99	11.12	13.89	16.32	18.28	19.03	19.62
25	19.63	17.22	15.83	12.98	13.92	11.86	12.16	14.53	16.40	18.76	19.20	19.93
EOM	18.62	17.60	16.05	12.42	13.00	12.51	13.41	14.93	16.23	18.86	19.40	19.76
MEAN	19.87	17.80	15.87	14.44	12.61	12.40	12.40	13.93	16.07	17.79	18.85	19.67
MAX	20.53	18.58	17.20	16.14	14.12	13.07	13.47	14.93	16.40	18.96	19.52	19.93
MIN	18.62	16.71	14.76	12.10	11.84	11.59	11.11	13.46	15.01	16.32	18.27	19.43
WTR YR 1990	MEAN	16.00	MAX	20.53	OCT 5	MIN	11.11	APR 21				

LEE COUNTY

WELL NUMBER.--263251081452803. Local Number L 1995.

LOCATION.--Lat 26°32'51", long 81°45'28", in NE¼SW¼ sec.24, T.45 S., R.25 E., Hydrologic Unit 03090204, 6.8 mi east of intersection of U.S. Highway 41 and Daniels Road, and 9.6 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 24.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.93 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality. Water levels estimated Jan. 22-29, July 30 - Aug. 30, 1990 water year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 27.65 ft NGVD, Mar. 5, 1975; lowest, 18.56 ft NGVD, Mar. 30, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.77	22.89	22.01	22.20	20.91	19.66	19.33	19.37	20.19	22.27	24.36	24.83
10	24.98	22.66	22.36	22.04	20.65	19.40	19.15	19.69	21.13	22.51	24.42	24.10
15	24.46	22.47	22.18	21.87	20.63	19.18	19.07	19.80	20.86	23.73	24.62	24.05
20	24.28	22.34	22.25	21.71	20.03	18.89	19.01	19.79	21.08	23.91	24.75	23.43
25	23.53	22.26	22.71	21.52	20.22	18.72	19.48	19.60	20.82	25.01	24.86	24.09
DOM	23.19	22.19	22.40	21.13	19.89	18.82	19.43	19.51	21.09	24.18	25.09	24.83
MEAN	24.23	22.55	22.30	21.82	20.52	19.15	19.22	19.62	20.78	23.48	24.64	24.35
MAX	25.07	23.10	22.91	22.37	21.09	19.81	19.48	19.82	21.13	25.01	25.09	25.04
MIN	23.19	22.19	21.97	21.13	19.89	18.56	18.97	19.33	19.59	21.39	24.20	23.43
WTR YR 1990	MEAN	21.90	MAX	25.09	AUG 31	MIN	18.56	MAR 30				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263253082014201. Local Number L 2643.

LOCATION.--Lat 26°32'53", long 82°01'42", in SW¼SE¼ 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. Owner: U.S. Geological Survey.

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 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 also sampled for water quality.

PERIOD OF RECORD.--May 1978 to September 1978, November 1978 to September 1979 (bimonthly), October 1979 to January 1981 (semiannually), February 1981 to June 1981, July 1981 to current year (monthly). Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.58 ft NGVD, Sept. 5, 1978; lowest measured, 3.72 ft below NGVD, Apr. 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1100	2.15	09...	0945	-2.79
26...	1130	2.41	24...	1130	-3.72
NOV			MAY		
29...	1200	-0.37	07...	0945	-3.70
DEC			22...	1110	-3.64
11...	1100	-0.77	JUN		
26...	1045	-0.52	11...	0930	-1.31
JAN			27...	1240	-1.89
16...	1000	-1.24	AUG		
31...	1100	-1.89	01...	1135	-0.48
FEB			28...	1150	0.59
12...	0930	-2.12	SEP		
27...	0900	-2.02	27...	0945	1.75
MAR					
12...	0850	-1.92			
30...	1115	-2.97			

LEE COUNTY

WELL NUMBER.--263253082014202. Local Number L 3206.

LOCATION.--Lat 26°32'53", long 82°01'42", in SW¼SW¼ 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. Owner: U.S. Geological Survey.

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.

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, 2.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to October 1980 (semiannually), January 1981 to current year (monthly). Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.25 ft NGVD, Aug. 26, 1986; lowest measured, 0.77 ft NGVD, May 26, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1105	2.59	30...	1120	1.53
26...	1135	1.83	APR		
NOV			24...	1135	1.24
29...	1205	1.53	JUN		
DEC			26...	1240	1.84
26...	1050	1.48	AUG		
JAN			01...	1135	1.87
31...	1105	1.28	28...	1155	2.37
FEB					
27...	0905	1.63			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263257081585701. Local Number L 2642.

LOCATION.--Lat 26°32'57", long 81°58'57", in SE¼SW¼ 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, and 2.5 mi southwest of the Cape Coral Post Office. Owner: U.S. Geological Survey.

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.

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 also sampled for water quality.

PERIOD OF RECORD.--May 1978 to August 1979 (bimonthly); October 1979 to October 1980 (semiannually); January 1981 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.14 ft below NGVD, Aug. 1, 1978; lowest measured, 39.07 ft below NGVD, June 6, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1045	-20.12	09...	0915	-32.28
26...	1110	-23.68	24...	1115	-33.98
NOV			MAY		
29...	1150	-30.68	07...	0915	-35.56
DEC			22...	1050	-28.33
11...	1020	-28.55	JUN		
26...	1020	-26.20	11...	0920	-21.98
JAN			27...	1225	-27.97
16...	0935	-30.78	AUG		
31...	1045	-33.48	01...	1120	-24.60
FEB			28...	1125	-20.06
12...	0910	-31.68	SEP		
27...	0830	-29.28	27...	1100	-20.61
MAR					
12...	0835	-33.45			
30...	1045	-32.73			

LEE COUNTY

WELL NUMBER.--263257081585702. Local Number L 3205.

LOCATION.--Lat 26°32'57", long 81°58'57", in SE½SW¼ 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, 2.5 mi southwest of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRS D.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18 ft, cased to 8 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, 2.49 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to September 1979 (bimonthly); May 1980 to October 1980 (semiannually), January 1981 to current year (monthly). Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.81 ft NGVD, June 4, 1979; lowest measured, 0.47 ft below NGVD, Apr. 4, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1050	0.87	30...	1050	0.81
26...	1115	0.64	APR		
NOV			24...	1120	2.56
29...	1200	0.51	JUN		
DEC			27...	1215	0.83
26...	1025	0.26	AUG		
JAN			01...	1120	1.16
31...	1050	0.31	28...	1130	1.47
FEB					
27...	0840	0.21			

WELL NUMBER.--263323081522401. Local Number L 742.

LOCATION.--Lat 26°33'23", long 81°52'24", in SE½SE¼ sec.14, T.45 S., R.24 E., Hydrologic Unit 03090205, 0.1 mi west of intersection of College Parkway and U.S. Highway 41, and 6.0 mi south of Fort Myers Post Office. Owner: Florida Cities Water Co.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.17 ft above land-surface datum (correction).

REMARKS.--Water levels affected by pumping of municipal well field. Well also sampled for water quality. Water levels estimated Apr. 11-23, 1990 water year.

PERIOD OF RECORD.--October 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-39.86	-48.55	-51.31	-52.43	-53.75	-51.15	-51.77	-55.78	-45.31	-38.68	-32.63	-32.31
10	-41.25	-49.56	-51.39	-51.67	-55.19	-51.73	-51.23	-56.56	-43.41	-38.32	-33.75	-32.07
15	-40.72	-50.32	-49.75	-50.91	-55.04	-53.74	-52.48	-55.49	-41.09	-36.94	-32.16	-32.08
20	-41.73	-49.11	-50.94	-51.67	-54.86	-52.59	-53.76	-53.83	-41.02	-36.22	-31.50	-32.73
25	-42.66	-51.32	-50.35	-52.76	-53.08	-50.86	-55.25	-51.17	-42.14	-31.14	-32.68	-33.52
EOM	-44.97	-51.43	-50.55	-54.12	-51.98	-51.58	-56.41	-49.13	-40.55	-26.98	-32.48	-34.83
MEAN	-41.47	-49.65	-50.86	-52.09	-54.43	-51.84	-53.06	-53.99	-42.80	-35.40	-32.24	-32.79
MAX	-39.03	-46.31	-49.75	-50.49	-51.98	-50.86	-51.23	-48.92	-40.55	-26.98	-26.85	-31.76
MIN	-44.97	-51.43	-52.01	-54.12	-55.79	-53.74	-56.41	-56.71	-47.75	-40.38	-34.39	-34.83
WTR YR 1990	MEAN	-45.83	MAX	-26.85	AUG 1	MIN	-56.71	MAY 2				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263327081512001. Local Number L 1121.

LOCATION.--Lat 26°33'27", long 81°51'20", in NE¼SE¼ sec.13, T.45 S., R.23 E., Hydrologic Unit 03090205, 120 ft east of the intersection of Fordham and Gorman, and 2 mi south of Ft. Myers Post Office at Page Field. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 220 ft, cased to 147 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.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.-- August 1970 to April 1985 (semiannual); May 1985 to current year. Records of water levels prior to October 1985 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.20 ft NGVD, Oct. 20, 1970; lowest measured, 51.25 ft below NGVD, May 7, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	1545	-25.04	09...	1230	-44.04
24...	1700	-28.32	23...	170	-46.89
NOV			MAY		
27...	1515	-37.64	07...	1300	-51.25
DEC			24...	0955	-45.37
11...	1415	-37.64	JUN		
27...	1500	-36.66	11...	1310	-33.71
JAN			25...	0810	-35.60
16...	1230	-38.27	AUG		
29...	1430	-41.29	01...	0825	-28.89
FEB			29...	0845	-22.17
12...	1230	-40.89	SEP		
27...	1700	-37.24	27...	1400	-25.02
MAR					
12...	1155	-40.84			
29...	0830	-46.14			

LEE COUNTY

WELL NUMBER.--263329081394301. Local Number L 2204.

LOCATION.--Lat 26°33'29", long 81°39'43", in SE¼SE¼ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Highway 82 and Alabama Road, and 3.3 mi south of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.44 ft NGVD, Sept. 27, 1979; lowest measured, 18.31 ft NGVD, Nov. 25, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	1300	27.95	23...	1445	24.35
24...	1420	27.37	MAY		
NOV			22...	1200	23.84
27...	1335	26.15	JUN		
DEC			26...	1420	24.98
27...	1230	25.85	JUL		
JAN			30...	1405	27.04
29...	1300	25.15	AUG		
FEB			30...	1200	26.56
27...	1445	25.10			
MAR					
29...	1400	24.49			

LEE COUNTY

WELL NUMBER.--263329081394302. Local Number L 1625.

LOCATION.--Lat 26°33'29", long 81°39'43", in SE¼SE¼ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at southeast corner of intersection of State Highway 82 and Alabama Road, and 3.3 mi south of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 218 ft, cased to 162 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.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1975 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.49 ft NGVD, Nov. 25, 1985; lowest measured, 13.72 ft NGVD, Mar. 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	1255	21.02	23...	1500	15.42
24...	1410	22.60	MAY		
NOV			22...	1200	14.99
27...	1330	19.47	JUN		
DEC			26...	1415	16.54
27...	1235	18.12	JUL		
JAN			30...	1405	18.73
29...	1250	17.12	AUG		
FEB			30...	1155	19.25
27...	1440	16.38	SEP		
MAR			27...	1625	21.83
29...	1440	15.94			

WELL NUMBER.--263335081394301. Local Number L 729.

LOCATION.--Lat 26°33'35", long 81°39'43", in NE¼SE¼ sec.13, T.45 S., R.26 E., Hydrologic Unit 03090205, at north-west corner of intersection of State Highway 82 and Alabama Road and 3.2 mi south of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

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 (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1968 to May 1977 (monthly), June 1977 to current year. Records of water levels prior to May 1977 available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.46 ft NGVD, Oct. 1, 2, 1979; lowest, 11.54 ft NGVD, Feb. 28, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.53	19.74	18.24	16.53	15.89	15.96	15.32	14.29	15.23	17.74	19.05	19.83
10	21.17	19.39	17.84	16.79	15.69	15.81	15.22	14.00	16.18	18.09	18.50	19.53
15	21.25	18.98	17.52	16.87	15.95	15.54	14.85	14.10	16.63	18.91	19.16	19.16
20	21.05	18.72	16.94	16.76	15.71	15.36	14.52	14.27	17.04	19.18	19.52	19.06
25	20.90	18.64	16.86	16.44	15.89	14.99	14.48	14.47	16.97	19.54	19.55	19.24
EOM	20.31	18.54	16.57	15.90	16.07	15.05	14.44	14.88	17.01	20.05	19.71	19.08
MEAN	21.12	19.09	17.45	16.57	15.81	15.44	14.83	14.30	16.36	18.78	19.28	19.35
MAX	21.58	20.17	18.54	16.87	16.07	15.96	15.38	14.88	17.08	20.05	19.81	19.83
MIN	20.31	18.48	16.57	15.90	15.51	14.75	14.38	13.93	14.94	17.08	18.50	18.92
WTR YR 1990 MEAN	17.38			21.58	OCT 2	MIN	13.93	MAY 9				

LEE COUNTY

WELL NUMBER.--263344081361701. Local Number L 1963.

LOCATION.--Lat 26°33'44", long 81°36'17", in NW¼SE¼ sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Bell Boulevard and Milwaukee Boulevard, and 4.0 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 74 ft, cased to 68 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.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.53 ft NGVD, Sept. 26, 1975; lowest measured, 10.40 ft NGVD, May 7, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1250	21.00	09...	0825	13.24
23...	1545	19.90	25...	0815	11.02
NOV			MAY		
27...	1350	15.76	07...	0825	10.40
DEC			25...	0915	12.03
11...	0905	15.30	JUN		
28...	1320	13.61	26...	0650	13.85
JAN			JUL		
18...	0835	14.89	31...	1740	20.59
29...	1420	15.23	AUG		
FEB			29...	1510	18.82
12...	0900	14.45	SEP		
26...	0835	15.17	27...	1030	16.35
MAR					
12...	0820	13.80			
27...	1300	12.28			

LEE COUNTY

WELL NUMBER.--263344081361702. Local Number L 1964.

LOCATION.--Lat 26°33'44", long 81°36'17", in NW¼SE¼ sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Bell Boulevard and Milwaukee Boulevard, and 4.0 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.52 ft NGVD, June 30, 1982; lowest measured, 22.47 ft NGVD, May 28, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1250	26.94	25...	0830	24.10
23...	1545	25.89	MAY		
NOV			25...	0920	23.66
27...	1350	24.95	JUN		
DEC			26...	0655	24.90
28...	1320	24.83	JUL		
JAN			31...	1740	27.16
29...	1420	24.65	AUG		
FEB			29...	1510	26.35
26...	0835	24.64			
MAR					
27...	1300	24.34			

WELL NUMBER.--263344081361703. Local Number L 2186.

LOCATION.--Lat 26°33'44", long 81°36'17", in NW¼SE¼, sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Alexander Graham Bell Boulevard and Milwaukee Boulevard, and 14.0 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 31.06 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.24 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.30 ft NGVD, Sept. 30, 1979; lowest, 10.50 ft NGVD, May 9, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.04	17.28	15.07	14.65	15.13	15.88	13.83	10.58	14.06	18.27	18.10	19.43
10	19.73	16.26	15.59	15.26	14.66	14.72	13.54	10.89	16.28	19.09	17.54	17.62
15	19.81	15.64	15.70	15.64	15.67	14.01	12.58	11.25	16.48	19.91	19.10	17.07
20	20.01	15.57	14.53	15.81	14.89	13.22	11.95	11.09	16.65	20.13	19.39	17.40
25	19.53	15.41	13.08	15.90	15.88	12.82	11.68	12.08	16.75	20.07	19.13	17.05
EOM	17.58	15.19	14.04	14.99	15.94	12.60	11.71	12.08	16.92	20.76	18.63	17.28
MEAN	19.72	16.01	14.77	15.26	15.28	13.99	12.62	11.29	15.91	19.54	18.70	17.65
MAX	20.99	17.43	15.92	15.95	15.94	16.02	13.93	12.10	17.12	20.84	20.48	19.43
MIN	17.58	15.06	13.08	14.26	14.66	11.94	11.45	10.50	12.08	17.24	17.28	16.07

WTR YR 1990 MEAN 15.90 MAX 20.99 OCT 2 AND OTHERS MIN 10.50 MAY 9

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

293

LEE COUNTY

WELL NUMBER.--263344081361704. Local Number L 2311.

LOCATION.--Lat 26°33'44", long 81°36'17", in NW¼SE¼ sec.15, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Alexander Graham Bell Boulevard and Milwaukee Boulevard, and 14 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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 300 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.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1976 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.2 ft NGVD, Sept. 1, 1988; lowest measured, 48.1 ft NGVD, June 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1235	51.70	25...	0830	50.50
23...	1550	52.90	MAY		
NOV			25...	0915	50.30
27...	1345	51.60	JUN		
DEC			26...	0650	52.00
26...	1320	50.30	JUL		
JAN			31...	1740	52.50
29...	1420	50.30	AUG		
FEB			29...	1510	52.20
26...	0835	50.50			
MAR					
27...	1310	50.90			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263353081335801. Local Number L 1965.

LOCATION.--Lat 26°33'53", long 81°33'58", in SE¼NE¼ sec.13, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Naples North-South Road and Milwaukee Boulevard, and 5.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 225 ft, cased to 50 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.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1965 to current year. Records of water levels prior to October 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.26 ft NGVD, Aug. 30, 1978; lowest measured, 6.73 ft NGVD, Apr. 25, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1225	20.47	25...	0950	6.73
23...	1515	19.64	MAY		
NOV			25...	0940	9.99
27...	1355	12.86	JUN		
DEC			26...	0740	19.05
28...	1250	12.47	JUL		
JAN			31...	1715	20.62
29...	1355	14.32	AUG		
FEB			29...	1455	20.46
26...	0845	17.33			
MAR					
27...	1240	9.28			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

295

LEE COUNTY

WELL NUMBER.--263353081335802. Local Number L 1992.

LOCATION.--Lat 26°33'53", long 81°33'58", in SE¼NE¼ sec.13, T.45 S., R.27 E., Hydrologic Unit 03090205, at intersection of Naples North-South Road and Milwaukee Boulevard, and 5.7 mi southeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 29 ft, cased to 19 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.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.97 ft NGVD, July 28, 1977; lowest measured, 19.24 ft NGVD, Feb. 27, 1975.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1230	23.98	25...	0930	22.76
23...	1515	23.53	MAY		
NOV			25...	0940	22.57
27...	1330	23.23	JUN		
DEC			26...	0740	23.52
28...	1255	23.24	JUL		
JAN			31...	1715	23.91
29...	1355	23.17	AUG		
FEB			29...	1455	23.60
26...	0850	23.32	SEP		
MAR			27...	1045	23.32
27...	1240	22.99			

LEE COUNTY

WELL NUMBER.--263357081575602. Local Number L 2703.

LOCATION.--Lat 26°33'57", long 81°57'56", in SW¼SE¼ sec.12, T.45 S., R.23 E., Hydrologic Unit 03090205, in the median strip of Country Club Boulevard, 150 ft east of Palm Tree Boulevard, and 1.3 mi west of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 159 ft, cased to 120 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 5.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.33 ft above land-surface datum (revision).

REMARKS.--Well also sampled for water quality. Recorder removed from Oct. 1 to Apr. 6.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 3.50 ft below NGVD, Oct. 1, 1979; lowest 45.40 ft below NGVD, June 9, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5							---	-37.70	-27.82	-27.92	-28.72	-20.93
10							-38.01	-41.60	-28.05	-28.49	-26.93	-21.37
15							-37.27	-36.73	-26.76	-26.82	-25.16	-20.36
20							-40.01	-37.97	-28.67	-24.57	-22.91	-21.96
25							-40.01	-33.26	-32.66	-26.74	-23.50	-22.47
EOM							-38.97	-32.15	-29.99	-27.09	-22.29	-23.58
MEAN							-38.78	-36.73	-29.27	-26.91	-25.46	-21.68
MAX							-35.66	-30.43	-25.61	-24.57	-22.29	-19.97
MIN							-40.86	-41.60	-33.11	-29.92	-29.17	-24.72

WTR YR 1990 MEAN -29.55 MAX -19.97 SEP 7 AND OTHERS MIN -41.60 MAY 10

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

WELL NUMBER.--263357081575603. Local Number L 3213.

LOCATION.--Lat 26°33'57", long 81°57'56", in sec.12, T.45 S., R.23 E., Hydrologic Unit 03090205, in the median of Country Club Boulevard, 150 ft east of Palm Tree Boulevard, and 1.3 mi west of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 17.5 ft, cased to 7.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.14 ft NGVD, Aug. 26, 1986; lowest measured, 0.75 ft NGVD, Feb. 28, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1000	3.22	30...	1000	1.90
26...	0955	2.60	APR		
NOV			24...	1000	1.90
29...	1100	2.20	JUN		
DEC			27...	1130	2.32
26...	0920	2.25	AUG		
JAN			01...	1015	2.63
31...	1000	1.75	28...	0935	4.66
FEB					
27...	0800	2.70			

LEE COUNTY

WELL NUMBER.--263307081555901. Local Number L 2435.

LOCATION.--Lat 26°34'07", long 81°55'59", in NW¼SE¼ sec.8, T.45 S., R.24 E., Hydrologic Unit 03090205, at intersection of 20th Place and 44th Street and 0.6 mi northeast of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 704 ft, cased to 352 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 5.19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1977 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.8 ft NGVD, Sept. 27, 1979; lowest measured, 22.6 ft NGVD, May 15, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1030	25.80	24...	1040	25.00
26...	1020	25.90	MAY		
NOV			15...	1430	22.60
29...	1115	25.20	22...	0905	24.20
DEC			JUN		
26...	1000	24.80	27...	1150	25.40
JAN			AUG		
31...	1030	25.40	01...	1030	25.40
FEB			28...	0940	26.20
27...	0820	25.60	SEP		
MAR			19...	1220	26.60
30...	1200	25.10			

WELL NUMBER.--263440082022001. Local Number L 2644.

LOCATION.--Lat 26°34'40", long 82°02'20", in SW¼SW¼ 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. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 112 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 180 ft, cased to 128 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.11 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.28 ft NGVD, Sept. 22, 1986; lowest, 4.93 ft below NGVD, May 20, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.37	1.01	-1.31	-1.70	-3.00	-2.50	-3.71	-4.42	-3.30	-2.52	-0.91	.94
10	2.35	.56	-1.35	-1.86	-3.00	-2.57	-3.86	-3.84	-2.74	-2.18	-1.02	1.05
15	2.50	.09	-1.36	-1.97	-3.03	-2.80	-4.11	-4.65	-2.35	-1.55	-0.56	1.21
20	2.31	-0.51	-1.45	-2.27	-3.19	-2.98	-4.52	-4.93	-2.42	-0.93	.00	1.41
25	2.16	-0.44	-1.44	-2.43	-3.57	-3.33	-4.53	-4.45	-2.88	-0.98	.18	1.50
EOM	1.76	-1.04	-1.30	-2.85	-2.92	-3.58	-4.50	-3.85	-2.85	-0.78	.53	1.27
MEAN	2.30	.12	-1.32	-2.09	-3.11	-2.91	-4.14	-4.36	-2.83	-1.58	-0.38	1.18
MAX	2.56	1.51	-1.08	-1.46	-2.92	-2.38	-3.62	-3.72	-2.34	-0.78	.53	1.54
MIN	1.76	-1.04	-1.45	-2.85	-3.81	-3.67	-4.66	-4.93	-3.82	-2.82	-1.05	.69
WTR YR 1990	MEAN	-1.58	MAX	2.56	OCT 17	MIN	-4.93	MAY 20				

LEE COUNTY

WELL NUMBER.--263440082022002. Local Number L 3207.

LOCATION.--Lat 26°34'40", long 82°02'20", in SW¼SW¼ 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. Owner: U.S. Geological Survey.

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.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to September 1979 (bimonthly), May 1980 to October 1980 (semiannually), January 1981 to current year (monthly). Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.22 ft NGVD, Mar. 31, 1987; lowest measured, 0.57 ft below NGVD, Nov. 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1130	2.56	30...	1135	1.16
26...	1140	1.81	APR		
NOV			24...	1200	0.99
29...	1230	1.41	JUN		
DEC			27...	1250	1.75
26...	1055	1.41	AUG		
JAN			01...	1155	2.13
31...	1130	1.04	28...	1220	2.33
FEB					
27...	0915	1.39			

WELL NUMBER.--263526082010201. Local Number L 2434.

LOCATION.--Lat 26°35'26", long 82°01'02", in NE¼NW¼ sec.4, T.45 S., R.23 E., Hydrologic Unit 03100103, at the Cape Coral Reverse Osmosis Water Plant and 5 mi northwest of Cape Coral Post Office. Owner: Cape Coral Water Co.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 700 ft, cased to 353 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 6.34 ft above National Geodetic Vertical Datum of 1929. Measuring point: Recorder shelf, 19.11 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping wells. Well also sampled for water quality.

PERIOD OF RECORD.--March 1977 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.5 ft NGVD, Mar. 11, 1977; lowest daily maximum, 14.91 ft below NGVD, Feb. 10, 1990 (revised).

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.97	-4.90	-0.31	.28	6.69		1.90	2.86	5.67	7.52	-2.37	14.34
10	10.42	2.55	3.73	2.90	-14.91		-7.36	-7.49	11.02	5.92	-4.26	14.54
15	1.12	-0.62	5.66	5.33	---		-7.23	.16	8.53	6.12	1.70	9.88
20	11.83	-5.73	-2.20	-0.50	---		4.03	-12.68	.85	3.76	-2.77	1.65
25	11.77	-1.84	-8.10	6.73	---		-12.79	3.86	-7.79	1.96	7.10	3.01
EOB	7.53	-2.17	4.80	-8.90	---		-9.17	.15	5.83	-0.55	14.81	14.29
MEAN	10.03	.51	.15	2.09	-4.42		-4.95	-4.59	3.65	5.03	2.25	11.01
MAX	15.31	12.31	12.78	9.83	6.69		4.03	7.26	11.72	12.28	17.02	18.97
MIN	1.12	-6.93	-9.80	-8.90	-14.91		-12.79	-14.43	-7.79	-0.55	-5.07	-0.06

WTR YR 1990 MEAN 2.31 MAX 18.97 SEP 18 MIN -14.91 FEB 10

LEE COUNTY

WELL NUMBER.--263532081592201. Local Number L 581.

LOCATION.--Lat 26°35'32", long 81°59'22", in NW¼NW¼ sec.2, T.45 S., R.23 E., Hydrologic Unit 03090205, 0.1 mi east of intersection of Skyline Boulevard and Gleason Parkway and 3.5 mi northwest of Cape Coral Post Office. Owner: City of Cape Coral, Florida.

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.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 9.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.39 ft above land-surface datum (correction).

REMARKS.--Water levels affected by pumping of nearby wells. Well also sampled for water quality.

PERIOD OF RECORD.--May 1966 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.77 ft below NGVD, Sept. 10, 1960; lowest, 41.56 ft below NGVD, June 9, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-21.81	-28.52	-32.46	-31.42	-34.63	-32.21	-36.56	-38.08	-30.76	-29.33	-27.50	-21.67
10	-22.80	-30.58	-32.06	-31.57	-34.94	-32.50	-36.81	-40.18	-29.69	-29.24	-27.07	-21.39
15	-22.18	-32.26	-30.98	-31.84	-34.40	-34.08	-37.83	-38.59	-29.23	-27.19	-25.54	-21.11
20	-23.65	-31.83	-31.60	-32.75	-35.02	-34.90	-39.03	-38.89	-30.08	-25.76	-23.69	-22.02
25	-24.46	-32.04	-30.37	-34.06	-32.98	-36.32	-38.61	-35.88	-33.02	-26.40	-23.64	-23.26
EOM	-26.82	-32.25	-30.14	-35.07	-32.44	-37.83	-38.57	-33.52	-31.43	-26.66	-23.04	-24.44
MEAN	-23.24	-30.89	-31.33	-32.51	-34.44	-34.42	-38.03	-37.78	-30.90	-27.60	-25.39	-22.29
MAX	-20.75	-27.24	-29.76	-30.51	-32.44	-31.79	-36.56	-33.23	-28.50	-25.76	-23.04	-21.00
MIN	-26.82	-32.52	-33.07	-35.07	-35.39	-38.24	-39.34	-40.18	-33.15	-31.02	-27.64	-25.08

WTR YR 1990 MEAN -30.71 MAX -20.75 OCT 1 MIN -40.18 MAY 10

WELL NUMBER.--263533081573401. Local Number L 2641.

LOCATION.--Lat 26°35'33", long 81°57'34", in SE¼SE¼ sec.36, T.44 S., R.23 E., Hydrologic Unit 03090205, in the median of Academy Boulevard SE, 100 ft north of 32nd Street and 2.8 mi northwest of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 170 ft, cased to 118 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.75 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to September 1980 (bimonthly); October 1980 to current year (monthly). Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.78 ft below NGVD, Aug. 26, 1986; lowest measured, 50.02 ft below NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0920	-29.16	30...	0930	-45.99
26...	0930	-33.41	APR		
NOV			24...	1000	-45.69
29...	1045	-39.22	MAY		
DEC			22...	0905	-42.86
26...	0900	-34.91	JUN		
JAN			27...	1100	-40.18
31...	0920	-43.76	AUG		
FEB			01...	0955	-34.00
27...	0730	-38.43	28...	0910	-29.95

LEE COUNTY

WELL NUMBER.--263621081563701. Local Number L 2702.

LOCATION.--Lat 26°36'21", long 81°56'37", in NE¼NE¼ sec.31, T.44 S., R.24 E., Hydrologic Unit 03090205, in the median strip of Everest Parkway, and 200 ft west of Del Prado and 2.3 mi north of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 155 ft, cased to 120 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.82 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality. Water levels estimated Apr. 13-24, 1990 water year.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.52 ft below NGVD, Oct. 17, 1978; lowest, 44.70 ft below NGVD, May 11, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-24.12	-32.43	-36.27	-32.46	-37.22	-34.38	-39.07	-44.36	-31.82	-30.98	-29.46	-22.28
10	-25.38	-35.00	-35.17	-33.10	-38.13	-34.10	-42.59	-44.62	-30.91	-31.11	-29.43	-22.76
15	-24.81	-36.54	-34.48	-34.07	-37.89	-37.09	-42.98	-43.38	-29.88	-29.37	-27.55	-21.88
20	-26.57	-36.13	-35.29	-35.46	-38.14	-37.52	-42.45	-41.74	-31.11	-27.49	-24.75	-23.97
25	-28.58	-36.16	-32.91	-37.09	-35.00	-38.07	-42.03	-37.73	-34.38	-26.99	-25.64	-26.40
EOB	-30.79	-36.28	-31.00	-38.21	-34.73	-38.26	-44.24	-35.42	-32.80	-27.54	-23.72	-26.95
MEAN	-26.08	-35.13	-34.23	-34.64	-37.53	-36.88	-41.73	-41.63	-32.08	-28.97	-27.13	-23.82
MAX	-22.24	-31.39	-30.06	-31.19	-34.65	-33.45	-37.27	-34.77	-28.98	-25.79	-23.72	-21.88
MIN	-30.79	-37.15	-37.30	-38.21	-40.92	-42.53	-44.42	-44.70	-34.89	-32.84	-30.56	-28.42
WTR YR 1990	MEAN	-33.29	MAX	-21.88	SEP 15	MIN	-44.70	MAY 11				

WELL NUMBER.--263621081563702. Local Number L 3212.

LOCATION.--Lat 26°36'21", long 81°56'37", in NE¼NE¼ sec.31, T.44 S., R.24 E., Hydrologic Unit 03090205, in the median of Everest Parkway, 200 ft west of Del Prado, and 2.3 mi north of the Cape Coral Post Office. Owner: U.S. Geological Survey.

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 10 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.83 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.47 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.49 ft NGVD, May 31, 1979; lowest measured, 0.06 ft NGVD, Jan. 29, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0900	2.40	30...	0915	1.02
26...	0855	0.33	APR		
NOV			24...	0920	2.60
29...	1030	1.20	JUN		
DEC			27...	1050	1.32
26...	0840	0.80	AUG		
JAN			01...	0945	1.84
31...	0905	0.65	28...	0855	2.96
FEB					
27...	0710	0.95			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

301

LEE COUNTY

WELL NUMBER.--263630081375301. Local Number L 1418.

LOCATION.--Lat 26°36'30", long 81°37'53", in SE¼NE¼ sec.32, T.44 S., R.27 E., Hydrologic Unit 03090205, 0.5 mi north of intersection of Leeland Heights Boulevard and Texas Road and 1.0 mi northeast of Lehigh Acres Post Office. Owner: Lehigh Corporation.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 23.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.84 ft above land-surface datum (correction).

REMARKS.--Water levels affected by pumping of nearby wells. Well also sampled for water quality. Water levels estimated Dec. 11-27, 1990 water year. Recorder removed from Oct. 1 - Nov. 27, 1990. Missing record not estimated.

PERIOD OF RECORD.--January 1971 to October, 1988. March 1988 to September 1989. November 1990 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

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.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---	14.47	15.13	14.75	14.07	14.94	13.61	14.93	16.84	16.80	15.17
10		---	15.67	15.80	14.48	13.99	14.07	13.14	16.23	16.68	16.58	14.31
15		---	15.26	16.35	14.25	13.96	14.00	13.39	15.78	17.46	17.15	15.98
20		---	14.56	15.13	13.82	14.23	14.22	14.15	15.46	17.06	16.87	15.26
25		---	14.03	14.24	15.34	14.07	13.54	14.66	15.82	17.79	16.63	14.84
EOM		15.20	14.88	14.05	15.27	14.59	13.44	14.34	16.40	16.67	15.92	16.67
MEAN		14.94	14.83	15.26	14.50	14.09	13.81	13.81	15.58	17.16	16.51	15.48
MAX		15.20	15.67	16.98	15.35	15.18	15.10	14.85	16.40	18.42	17.35	16.67
MIN		14.53	13.92	13.74	13.71	13.21	12.73	12.26	14.41	15.87	15.41	14.31
WTR YR 1990	MEAN	15.11	MAX	18.42	JUL 28	MIN	12.26	MAY 7				

WELL NUMBER.--263633082002701. Local Number L 1116.

LOCATION.--Lat 26°36'53", long 82°00'27", in SE¼SE¼ sec.28, T.44 S., R.23 E., Hydrologic Unit 03100103, 200 ft northeast of the intersection 15th Avenue and 19th Lane S.W. and 5.8 mi northwest of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 205 ft, cased to 106 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, 4.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1970 to April 1974 (annually), May 1975 to May 1976 (semiannually), October 1976 to September 1980 (quarterly), October 1980 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.08 ft below NGVD, Sept. 23, 1986; lowest measured, 44.20 ft below NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1245	-21.20	30...	1250	-37.03
26...	1320	-22.26	APR		
NOV			24...	1300	-38.88
29...	1320	-24.63	MAY		
DEC			22...	1250	-37.44
26...	1230	-17.38	JUN		
JAN			27...	1420	-32.10
31...	1230	-35.33	AUG		
FEB			01...	1250	-25.17
27...	1020	-33.28	28...	1340	-20.71

LEE COUNTY

WELL NUMBER.--263712081461201. Local Number L 728.

LOCATION.--Lat 26°37'12", long 81°46'12", in NE¼SW¼ sec.25, T.44 S., R.25 E., Hydrologic Unit 03090204, at intersection of Lee Boulevard and State Highway 82, and 6.6 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.60 ft above land-surface datum.

REMARKS.--Well also sampled for water quality

PERIOD OF RECORD.--July 1968 to February 1972 (bimonthly); March 1972 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.44 ft NGVD, Sept. 27, 1979; lowest measured, 15.94 ft NGVD, May 17, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1145	20.50	26...	1410	17.18
26...	0830	19.44	APR		
NOV			24...	1655	16.77
29...	1530	18.33	MAY		
DEC			23...	1630	16.14
27...	1600	18.75	JUN		
JAN			26...	1430	18.29
30...	1505	17.66	AUG		
FEB			01...	1110	20.10
26...	1455	18.36	29...	1600	20.96

WELL NUMBER.--263718081485001. Local Number L 1973.

LOCATION.--Lat 26°37'18", long 81°48'50", in SW¼NE¼ sec.28, T.44 S., R.25 E., Hydrologic Unit 02090205, in city well field at Eastwood Golf Course, 300 ft west of Ortiz Boulevard and 3.9 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

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.

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, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.50 ft NGVD, Sept. 17, 1974; lowest measured, 4.89 ft NGVD, Mar. 26, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1230	10.98	23...	0720	8.96
25...	0830	10.83	MAY		
NOV			23...	1750	9.91
29...	1605	8.90	JUN		
DEC			27...	0720	14.92
26...	0830	10.18	AUG		
JAN			01...	0810	16.32
29...	0805	13.86	30...	0745	17.96
FEB			SEP		
28...	0725	14.02	27...	0745	18.11
MAR					
26...	0810	4.89			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

303

LEE COUNTY

WELL NUMBER.--263718081485002. Local Number L 1974.

LOCATION.--Lat 26°37'18", long 81°48'50", in SW¼NE¼ sec.28, T.44 S., R.25 E., Hydrologic Unit 03090205, in city well field, at Eastwood Golf Course, 300 ft west of Ortiz Boulevard, and 3.9 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 134 ft, cased to 85 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.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.13 ft NGVD, Sept. 26, 1976; lowest measured, 14.73 ft NGVD, Apr. 1, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1230	17.33	23...	0715	15.18
25...	0835	16.46	MAY		
NOV			23...	1745	15.02
29...	1605	15.66	JUN		
DEC			27...	0820	15.56
26...	0830	16.66	AUG		
JAN			01...	0810	17.23
29...	0810	16.50	30...	0745	18.05
FEB			SEP		
28...	0725	16.82	27...	0750	17.19
MAR					
26...	0800	15.86			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263718081485003. Local Number L 2292.

LOCATION.--Lat 26°37'18", long 81°48'50", in SW¼NE¼ sec.28, T.44 S., R.25 E., Hydrologic Unit 03090205, in city well field, at Eastwood Golf Course, 300 ft west of Ortiz Boulevard, and 3.9 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 616 ft, cased to 302 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 casing, 2.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1976 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.5 ft NGVD, Dec. 27, 1985; lowest measured, 32.7 ft NGVD, June 29, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1230	40.10	23...	0720	38.10
25...	0830	39.30	MAY		
NOV			15...	0945	38.60
29...	1605	39.70	23...	1750	38.80
DEC			JUN		
26...	0830	38.30	26...	0725	39.50
JAN			AUG		
29...	0805	39.20	01...	0810	40.00
FEB			30...	0750	40.50
28...	0725	39.10	SEP		
MAR			19...	0835	40.40
26...	0815	38.50			

LEE COUNTY

WELL NUMBER.--263743082041201. Local Number L 2645.

LOCATION.--Lat 26°37'43", long 82°04'12", in NW¼SW¼ 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. Owner: U.S. Geological Survey.

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.

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 casing, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.4 ft NGVD, Nov. 26, 1986; lowest measured, 10.7 ft NGVD, Oct. 29, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0850	14.40	23...	1255	12.80
25...	1115	14.30	MAY		
NOV			22...	1540	12.00
30...	1100	12.80	JUN		
DEC			27...	1510	13.00
26...	1025	13.20	AUG		
JAN			01...	1500	14.40
29...	0955	13.20	30...	1120	15.20
FEB			SEP		
28...	0910	13.20	27...	0740	15.40
MAR					
26...	1135	13.00			

WELL NUMBER.--263743082041202. Local Number L 3208.

LOCATION.--Lat 26°37'43", long 82°04'12", in NW¼SW¼ 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 the Matlacha Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 5.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.82 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.31 ft NGVD, Mar. 31, 1987; lowest measured, 0.43 ft below NGVD, Jan. 28, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	0900	1.59	26...	1130	0.81
25...	1115	0.90	APR		
NOV			23...	1310	1.46
30...	1055	-0.04	JUN		
DEC			27...	1510	1.37
26...	1025	0.39	AUG		
JAN			01...	1500	1.85
29...	0955	0.50	30...	1115	2.02
FEB					
28...	0915	0.87			

LEE COUNTY

WELL NUMBER.--263802081493501. Local Number L 246.

LOCATION.--Lat 26°38'02", long 81°49'35", in SE¼NE¼ sec.20, T.44 S., R.25 E., Hydrologic Unit 03090205, 0.5 mi south of junction of State Highway 82, and Arcadia Street, and 2.9 mi southeast of Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 28 ft, cased to 19 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 19.36 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder platform, 2.97 ft above land-surface datum (correction).

REMARKS.--Determine effect of municipal pumping on ground-water levels. Well also sampled for water quality. Water levels estimated Mar. 31 - May 3, June 9-26, Aug. 18-30, 1990 water year.

PERIOD OF RECORD.--January 1945 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.85 ft NGVD, Aug. 25, 1990; lowest, 8.90 ft NGVD, Mar. 30, 1956.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.75	16.42	16.01	16.74	16.22	17.09	15.99	15.26	17.71	17.75	19.25	20.77
10	18.32	16.27	16.22	16.66	16.13	16.85	15.89	15.19	17.86	17.48	19.39	20.20
15	17.64	16.09	16.38	16.50	16.44	16.68	15.72	15.11	17.60	17.89	20.73	20.15
20	17.13	16.27	16.36	16.45	16.25	16.42	15.52	15.01	17.26	17.72	20.58	19.82
25	16.86	16.07	16.89	16.36	17.43	16.17	15.41	16.15	16.99	18.45	20.85	19.73
EOM	16.60	16.12	16.85	16.28	17.33	16.04	15.31	17.31	17.10	17.95	20.46	20.12
MEAN	17.40	16.26	16.41	16.53	16.52	16.59	15.69	15.61	17.43	17.84	19.90	20.26
MAX	18.34	16.49	16.90	16.83	17.43	17.28	16.03	17.31	17.90	18.49	20.85	20.84
MIN	16.60	16.04	15.98	16.27	16.13	15.98	15.31	15.00	16.93	17.12	17.81	19.50
WTR YR 1990	MEAN	17.21	MAX	20.85	AUG 25	MIN	15.00	MAY 21				

WELL NUMBER.--263807081430301. Local Number L 1968.

LOCATION.--Lat 26°38'07", long 81°43'03", in SW¼NE¼ sec.21, T.44 S., R.26 E., Hydrologic Unit 03090205, at intersection of Benton Road and Gunnery Road, and 4.8 mi northwest of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 165 ft, cased to 70 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 23.68 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.25 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.01 ft NGVD, Sept. 27, 1979; lowest measured, 14.45 ft NGVD, Apr. 29, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	1305	19.82	25...	0730	15.15
23...	1605	19.26	MAY		
NOV			25...	0830	15.49
27...	1410	17.54	JUN		
DEC			26...	0620	16.69
28...	1340	17.36	JUL		
JAN			31...	1800	18.75
29...	1440	16.26	AUG		
FEB			29...	1545	19.13
26...	0805	16.58			
MAR					
27...	1330	15.35			

LEE COUNTY

WELL NUMBER.--263813081552801. Local Number L 2640.

LOCATION.--Lat 26°38'13", long 81°55'28", in NE¼NE¼ sec.20, T.44 S., R.24 E., Hydrologic Unit 03090205, at intersection of Hunter Boulevard and Brikdale Avenue and 5.2 mi north of Cape Coral Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

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 also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.94 ft below NGVD, Sept. 5, 1978; lowest measured, 42.89 ft below NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0845	-21.99	09...	0815	-35.76
26...	0845	-28.93	24...	0830	-37.13
NOV			MAY		
29...	0945	-34.16	07...	0800	-41.79
DEC			22...	0805	-36.19
11...	0900	-31.08	JUN		
26...	0815	-27.76	11...	0750	-22.05
JAN			27...	1025	-31.16
16...	0820	-30.94	JUL		
31...	0845	-33.94	31...	1630	-17.42
FEB			AUG		
12...	0810	-35.66	28...	0815	-17.65
27...	0640	-32.01	SEP		
MAR			27...	1215	-23.03
12...	0745	-32.48			
30...	0845	-37.59			

LEE COUNTY

WELL NUMBER.--263813081552802. Local Number L 3203.

LOCATION.--Lat 26°38'13", long 81°55'28", in NE¼NE¼ sec.20, T.44 S., R.24 E., Hydrologic Unit 03090205, in the median of Hunter Boulevard SE, 100 ft northwest of Brickdale, and 4.8 mi northeast of the Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.44 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.08 ft NGVD, Feb. 28, 1983; lowest measured, 0.45 ft NGVD, Aug. 31, 1983.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	0850	4.28	30...	0850	3.98
26...	0840	4.25	APR		
NOV			24...	0835	3.83
29...	0950	4.10	JUN		
DEC			27...	1025	4.25
26...	0820	4.61	JUL		
JAN			31...	1640	4.96
31...	0850	4.16	AUG		
FEB			28...	0825	5.74
27...	0645	4.68			

LEE COUNTY

WELL NUMBER.--263814082020701. Local Number L 1058.

LOCATION.--Lat 26°38'14", long 82°02'07", in SW¼SW¼ sec.17, T.44 S., R.23 E., Hydrologic Unit 03100103, at Pine Island Water Plant on State Highway 78, 0.3 mi east of Burnstore Road, and 2.1 mi east of Matlacha Post Office. Owner: Pine Island Water Co.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 146 ft, cased to 95 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage and chalked tape.

DATUM.--Land-surface datum is 6.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 0.50 ft above land-surface datum.

REMARKS.--Water-levels affected by pumping of nearby wells. Well also sampled for water quality.

PERIOD OF RECORD.--December 1962 to current year. Records of water levels prior to October 1981 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.3 ft NGVD, Dec. 2, 1964; lowest measured, 4.63 ft below NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	0830	4.19	23...	1220	-4.63
25...	1100	3.12	MAY		
NOV			22...	1520	-4.59
30...	1050	-1.04	JUN		
DEC			26...	1515	-0.65
26...	1015	0.73	JUL		
JAN			31...	1440	2.57
29...	0945	-1.06	AUG		
FEB			30...	1110	3.35
28...	0905	-2.00			
MAR					
26...	1115	-3.30			

WELL NUMBER.--263819081585801. Local Number L 2701.

LOCATION.--Lat 26°38'19", long 81°58'58", in SE¼SW¼ sec.14, T.44 S., R.23 E., Hydrologic Unit 03090205, in the median of Nicholas Parkway West, at the intersection of 4th Terrace, and 5.3 mi northwest of the Cape Coral Post Office. Owner: U.S. Geological Survey.

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 175 ft.

INSTRUMENTATION.--Digital water-level recorder -- 6-minute punch.

DATUM.--Land-surface datum is 13.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.68 ft above land-surface datum.

REMARKS.--Well also sampled for water quality. Water levels estimated Jan. 31 - Mar. 12, 1990 water year.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 2.81 ft below NGVD, Sept. 11, 1986; lowest, 36.94 ft below NGVD, May 3, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-15.61	-22.80	-26.80	-25.54	-28.90	-29.50	-31.03	-35.78	-26.93	-24.40	-21.65	-18.72
10	-16.59	-24.67	-25.62	-25.77	-28.97	-29.70	-32.41	-35.91	-25.68	-23.70	-21.60	-18.53
15	-16.15	-25.74	-24.59	-27.06	-29.17	-29.63	-32.89	-34.37	-24.88	-22.15	-21.25	-18.81
20	-16.80	-25.92	-24.86	-27.62	-29.16	-30.75	-32.87	-34.54	-26.00	-20.81	-20.07	-18.81
25	-17.18	-25.05	-24.04	-28.45	-29.29	-32.67	-34.30	-31.67	-27.80	-20.97	-19.79	-21.18
EOM	-20.15	-25.72	-25.42	-28.74	-29.32	-33.22	-35.11	-29.81	-26.34	-21.05	-18.84	-22.17
MEAN	-16.82	-24.60	-25.25	-27.03	-29.09	-30.71	-33.04	-34.00	-26.61	-22.41	-20.80	-19.49
MAX	-15.33	-20.20	-24.04	-25.34	-28.77	-29.21	-31.03	-29.66	-24.81	-20.58	-18.84	-18.22
MIN	-20.15	-26.14	-27.33	-28.74	-29.40	-33.52	-35.20	-36.94	-29.34	-26.13	-22.41	-22.90

WTR YR 1990 MEAN -25.79 MAX -15.33 OCT 1 MIN -36.94 MAY 3

LEE COUNTY

WELL NUMBER.--263819081585802. Local Number L 3211.

LOCATION.--Lat 26°38'19", long 81°58'58", in SE¼SW¼ sec.14, T.44 S., R.23 E., Hydrologic Unit 03090205, in the median of Nicholas Parkway West, at the intersection of 4th Terrace, and 5.3 mi northwest of Cape Coral Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 1.25 in., depth 18.5 ft, cased to 10 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.68 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.53 ft NGVD, Feb. 28, 1983; lowest measured, 5.20 ft NGVD, Feb. 25, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1310	7.20	30...	1320	6.20
26...	1335	6.56	APR		
NOV			24...	1305	6.02
28...	1400	6.28	JUN		
DEC			27...	1450	6.58
26...	1200	6.52	AUG		
JAN			01...	1545	7.02
31...	1245	6.30	28...	1405	7.71
FEB					
27...	1030	6.50			

WELL NUMBER.--263834082005301. Local Number L 781.

LOCATION.--Lat 26°38'34", long 82°00'53", in NW¼SW¼ sec.16, T.44 S., R.23 E., Hydrologic Unit 03100103, 0.4 mi north of State Highway 78, and 3.5 mi northeast of Matlacha Post Office. Owner: Pine Island Water Co.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.30 ft above land-surface datum.

REMARKS.--Water levels affected by pumping of municipal well field. Well also sampled for water quality. Water levels estimated Apr. 27 - May 22, May 28 - June 26, 1990 water year.

PERIOD OF RECORD.--June 1966 (monthly), October 1971 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.8 ft NGVD, June 27, 1966; lowest, 44.23 ft below NGVD, Mar. 29, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-11.00	-20.07	-26.10	-26.08	-36.60	-25.17	-35.56	-33.02	-19.32	-13.16	-11.41	-13.38
10	-10.00	-26.36	-21.60	-23.72	-37.82	-29.16	-40.63	-28.50	-15.10	-13.89	-13.38	-12.52
15	-6.51	-29.03	-28.59	-31.40	-36.48	-38.21	-39.83	-27.75	-15.72	-10.39	-12.02	-10.30
20	-15.99	-25.05	-25.70	-30.43	-37.54	-33.40	-33.12	-28.02	-16.58	-8.00	-10.45	-13.06
25	-19.42	-23.09	-25.02	-31.17	-27.17	-33.06	-36.40	-23.65	-15.28	-7.82	-12.21	-14.10
EOM	-18.28	-29.80	-24.92	-34.30	-26.22	-36.91	-33.55	-20.41	-14.47	-8.68	-12.03	-14.51
MEAN	-11.18	-24.71	-25.04	-29.46	-34.47	-32.87	-35.20	-27.75	-16.55	-10.25	-12.32	-13.09
MAX	-5.69	-18.48	-20.01	-23.72	-26.22	-25.17	-28.60	-20.41	-13.80	-7.82	-8.28	-9.37
MIN	-19.82	-30.44	-31.94	-34.30	-39.99	-44.23	-40.63	-33.30	-20.22	-13.89	-17.37	-18.53
WTR YR 1990	MEAN	-22.65		MAX	-5.69	OCT 2	MIN	-44.23	MAR 29			

LEE COUNTY

WELL NUMBER.--263903081550401. Local Number L 954.

LOCATION.--Lat 26°39'03", long 81°55'04", in NE¼NW¼ sec.16, T.44 S., R.24 E., Hydrologic Unit 03090205, 0.1 mi south of Hancock Bridge Parkway, 0.1 mi west of Orange Grove Boulevard, and 2.5 mi southwest of North Fort Myers Post Office. Owner: Florida Cities Water Co.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 8 in., depth 14 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 8.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 3.77 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality. Water levels estimated July 1-31, 1990 water year.

PERIOD OF RECORD.--August 1969 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.68 ft NGVD, Sept. 8, 9, 1981; lowest, 2.18 ft below NGVD, June 9, 1985.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.48	1.19	.31	.07	-0.53	.09	-0.66	-1.79	.17	3.22	3.73	6.00
10	3.10	.93	.62	-0.11	-0.52	-0.35	-0.93	-1.47	.30	3.37	5.13	5.11
15	2.52	.59	.44	-0.24	-0.46	-0.76	-1.33	-1.52	.42	3.51	5.84	4.68
20	2.12	.46	.41	-0.48	-0.71	-0.95	-1.46	-1.70	.55	3.82	5.08	4.33
25	1.70	.44	.47	-0.54	.12	-1.32	-1.73	-1.20	.68	4.12	4.67	3.93
EOM	1.38	.33	.25	-0.51	.08	-1.13	-1.78	.06	3.00	4.30	6.01	4.58
MEAN	2.26	.73	.45	-0.27	-0.39	-0.68	-1.26	-1.35	.70	3.66	4.95	4.92
MAX	3.10	1.39	.66	.17	.19	.13	-0.66	.06	3.00	4.30	6.01	6.51
MIN	1.38	.24	.25	-0.64	-0.72	-1.51	-1.78	-1.96	.08	2.97	3.50	3.73

WTR YR 1990 MEAN 1.15 MAX 6.51 SEP 1 MIN -1.96 MAY 8

WELL NUMBER.--263850081365401. Local Number L 727.

LOCATION.--Lat 26°39'50", long 81°35'54", in NW¼SW¼ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 3.1 mi south of intersection of State Highway 80 and Joel Boulevard and 5.1 mi northeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 68 ft, cased to 67 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 21.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.44 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1968 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.53 ft NGVD, Mar. 30, 1970; lowest, 12.48 ft NGVD, May 9, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.49	15.72	14.39	13.96	13.88	13.99	13.36	12.55	13.43	15.20	15.59	15.57
10	16.46	15.45	14.18	14.00	13.80	13.71	13.24	12.55	14.17	15.48	15.55	15.33
15	16.57	15.20	14.34	13.96	13.93	13.56	13.08	12.77	14.43	15.75	15.96	15.36
20	16.48	15.03	14.17	13.96	13.99	13.36	12.82	12.80	14.30	15.94	16.09	15.21
25	16.40	14.80	13.89	13.96	13.96	13.25	12.65	12.84	14.72	15.93	15.83	14.98
EOM	16.11	14.58	13.74	13.95	14.02	13.18	12.58	13.17	15.03	16.08	15.64	14.85
MEAN	16.43	15.23	14.15	13.95	13.92	13.54	13.00	12.76	14.23	15.70	15.82	15.26
MAX	16.58	16.05	14.54	14.01	14.02	14.02	13.36	13.17	15.03	16.10	16.09	15.57
MIN	16.11	14.58	13.62	13.78	13.80	13.09	12.57	12.48	13.22	15.11	15.45	14.73

WTR YR 1990 MEAN 14.50 MAX 16.58 OCT 16 AND OTHERS MIN 12.48 MAY 9

LEE COUNTY

WELL NUMBER.--263950081355401. Local Number L 2187.

LOCATION.--Lat 26°39'50", long 81°35'54", in NW¼SW¼ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 3.1 mi south of intersection of State Highway 80 and Joel Boulevard and 5.1 mi northeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 154 ft, cased to 136 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.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.88 ft NGVD, Sept. 27, 1979; lowest measured, 12.45 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	1145	17.38	23...	1230	12.45
24...	1230	16.20	JUN		
NOV			27...	1440	14.72
27...	1200	14.48	JUL		
DEC			30...	1300	15.96
27...	1100	13.35	AUG		
JAN			30...	1050	15.47
29...	1135	13.75	SEP		
FEB			27...	1430	14.52
27...	1400	13.88			
MAR					
29...	1255	12.83			

WELL NUMBER.--263950081355402. Local Number L 1137.

LOCATION.--Lat 26°39'50", long 81°35'54", in NW¼SW¼ sec.11, T.44 S., R.27 E., Hydrologic Unit 03090205, 3.1 mi south of intersection of State Highway 80 and Joel Blvd and 5.1 mi northeast of Lehigh Acres Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 21.72 above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.42 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--June 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.03 ft NGVD, Oct. 15, 1983; lowest, 15.59 ft NGVD, May 23, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.26	18.53	17.75	17.28	16.74	16.57	16.41	15.72	16.29	18.15	18.33	18.80
10	21.07	18.35	17.66	17.23	16.64	16.48	16.27	15.75	17.99	18.79	19.75	18.45
15	20.36	18.17	17.50	17.11	16.75	16.39	16.09	15.72	17.58	19.18	20.07	18.88
20	19.58	18.27	17.41	17.04	16.63	16.28	16.00	15.63	17.22	18.80	19.27	18.50
25	19.09	18.03	17.51	16.92	16.68	16.21	15.91	15.61	18.93	19.53	18.86	18.27
EOC	18.77	17.87	17.36	16.83	16.66	16.28	15.82	16.16	18.50	18.77	18.88	18.68
MEAN	19.51	18.28	17.56	17.09	16.70	16.37	16.12	15.75	17.69	18.91	19.15	18.63
MAX	21.07	18.72	17.84	17.35	16.81	16.65	16.42	16.16	18.93	19.53	20.59	19.11
MIN	18.77	17.87	17.36	16.83	16.61	16.10	15.82	15.59	16.18	18.15	18.19	18.19
WTR YR 1990	MEAN	17.66	MAX	21.07	OCT 10	MIN	15.59	MAY 23				

LEE COUNTY

WELL NUMBER.--263955082083101. Local Number L 2527.

LOCATION.--Lat 26°39'55", long 82°08'31", in SE¼SE¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, at intersection of Flamingo Drive and State Highway 767 and 3.0 mi southeast of Bokeelia Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 605 ft, cased to 360 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 7.94 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.14 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.2 ft NGVD, Sept. 30, 1981; lowest measured, 14.0 ft NGVD, Sept. 14, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0930	26.50	23...	1415	23.50
25...	1140	25.30	MAY		
NOV			15...	1330	23.70
30...	1120	24.70	22...	1600	23.70
DEC			JUN		
26...	1045	23.50	27...	1600	24.10
JAN			AUG		
29...	1010	24.30	01...	1420	24.60
FEB			30...	1150	25.10
28...	0935	24.20	SEP		
MAR			19...	1105	25.60
26...	1200	23.90			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--263955082083102. Local Number L 2820.

LOCATION.--Lat 26°39'55", long 82°08'31", in SE¼SE¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, at intersection of Flamingo Drive and State Highway 767, and 3.0 mi southwest of Bokeelia Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 7.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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 measured, 13.0 ft NGVD, Mar. 30, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	0930	16.40	23...	1420	14.60
25...	1140	15.00	MAY		
NOV			15...	1355	14.50
30...	1115	14.50	JUN		
DEC			27...	1600	14.30
26...	1045	14.10	AUG		
JAN			01...	1425	14.80
29...	1010	14.70	30...	1150	14.60
FEB			SEP		
28...	0935	14.70	19...	1105	14.80
MAR			27...	0800	15.40
26...	1200	14.60			

LEE COUNTY

WELL NUMBER.--263955082083103. Local Number L 2549.

LOCATION.--Lat 26°39'55", long 82°08'31", in SE¼SE¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, at intersection of Flamingo Drive and State Highway 767 and 3.0 mi southeast of Bokeelia Post Office. Owner: U.S. Geological Survey.

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.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Record of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.38 ft NGVD, Mar. 31, 1987; lowest measured, 3.33 ft NGVD, Mar. 26, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	0930	7.19	26...	1145	4.30
25...	1140	6.56	APR		
NOV			23...	1420	3.95
30...	1120	5.67	MAY		
DEC			22...	1550	3.57
26...	1040	6.22	JUN		
JAN			27...	1550	5.79
29...	1010	5.20	AUG		
FEB			01...	1420	6.49
28...	0935	5.29	30...	1145	5.98

WELL NUMBER.--263955082083104. Local Number L 3214.

LOCATION.--Lat 26°39'55", long 82°08'31", in SE¼SE¼ sec.6, T.44 S., R.22 E., Hydrologic Unit 03100103, at intersection of Flamingo Drive and State Highway 767 and 3.0 mi southeast of Bokeelia Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 7.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.22 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.33 ft NGVD, Mar. 31, 1987; lowest measured, 3.39 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	0930	7.19	26...	1145	4.36
25...	1140	6.60	APR		
NOV			23...	1425	4.00
30...	1120	5.92	JUN		
DEC			27...	1550	5.82
26...	1040	6.28	AUG		
JAN			01...	1420	6.60
29...	1010	5.24	30...	1145	6.03
FEB					
28...	0930	5.31			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--264002082012801. Local Number L 2700.

LOCATION.--Lat 26°40'02", long 82°01'28", in SE¼SE¼ sec.5, T.44 S., R.23 E., Hydrologic Unit 03100103, at intersection of Tropicana Parkway and NW 24th Place and 3.8 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Mid-Hawthorn aquifer of the Miocene Age, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 167 ft, cased to 165 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 6.46 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.08 ft above land-surface datum (correction).

REMARKS.--Well also sampled for water quality.

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 measured, 6.68 ft NGVD, May 7, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1045	10.26	09...	1145	7.84
25...	1240	10.57	23...	1510	7.37
NOV			MAY		
30...	1205	9.18	07...	1150	6.68
DEC			22...	0840	6.81
11...	1300	8.84	JUN		
26...	1130	8.91	11...	1040	8.45
JAN			26...	1540	8.48
16...	1115	8.64	JUL		
29...	1110	8.20	31...	1430	9.01
FEB			AUG		
12...	1100	7.76	30...	1240	10.49
28...	1020	7.81	SEP		
MAR			27...	0720	9.91
12...	0950	8.21			
26...	1020	7.97			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

317

LEE COUNTY

WELL NUMBER.--264002082012802. Local Number L 3210.

LOCATION.--Lat 26°40'02", long 82°01'28", in SE¼SE¼ sec.5, T.44 S., R.23 E., Hydrologic Unit 03100103, at intersection of Tropicana Parkway and NW 24th Place and 3.8 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 0.75 in., depth 18.5 ft, cased to 10 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 6.46 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.84 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.80 ft NGVD, July 24, 1989; lowest measured, 0.65 ft NGVD, Apr. 30, 1980.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1045	5.08	26...	1300	3.32
25...	1240	4.65	JUN		
NOV			26...	1530	4.32
30...	1210	4.09	JUL		
DEC			31...	1430	4.91
26...	1130	4.23	AUG		
JAN			30...	1230	4.77
29...	1210	3.59			
FEB					
28...	1015	4.05			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--264053081572501. Local Number L 4820.

LOCATION.--Lat 26°40'53", long 81°57'25", in NW¼NW¼ sec.6, T.44 S., R.24 E., Hydrologic Unit 03090205, at the corner of Andalusia Boulevard and East Diplomat Parkway, and 4.5 mi northwest of North Ft. Myers Post Office. Owner: Florida City Water Co.

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.

INSTRUMENTATION.--Monthly measurement with chalked tape.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1981 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.15 ft NGVD, Sept. 28, 1984; lowest measured, 13.47 ft below NGVD, May 7, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
04...	1330	-5.01	12...	1000	-10.51
25...	0955	-6.33	26...	1025	-11.63
NOV			APR		
30...	0835	-9.33	09...	1200	-11.75
DEC			23...	1040	-12.43
11...	1345	-9.08	MAY		
26...	0930	-9.47	07...	1210	-13.47
JAN			22...	0740	-12.47
16...	1150	-9.38	JUN		
29...	0905	-9.89	11...	1050	-10.62
FEB			26...	1350	-12.28
12...	1130	-10.58	JUL		
28...	0830	-10.15	31...	1520	-8.38
			AUG		
			30...	1005	-8.15

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

319

LEE COUNTY

WELL NUMBER.--264101081443001. Local Number L 652.

LOCATION.--Lat 26°41'01", long 81°44'30", in NW¼NW¼ sec.5, T.44 S., R.26 E., Hydrologic Unit 03090205, at J. Hudson House, on Orange River Loop Road, and 8.5 mi northeast of Fort Myers Post Office. Owner: J.L. Hudson.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 7 in., depth 598 ft, cased to 188 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.--Well also sampled for water quality.

PERIOD OF RECORD.--October 1967 to October 1969 (semiannually); February 1970 to August 1971 (quarterly); October 1971 to December 1974 (bimonthly); January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.5 ft NGVD, Sept. 1, 1988; lowest measured, 41.8 ft NGVD, June 29, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	0815	45.30	23...	0815	43.30
24...	0820	44.80	MAY		
NOV			15...	1000	42.80
27...	0830	44.30	22...	0750	44.00
DEC			JUN		
27...	0815	42.80	28...	0815	44.90
JAN			JUL		
29...	0820	43.80	30...	0915	45.40
FEB			AUG		
27...	1130	43.60	30...	0745	46.90
MAR			SEP		
29...	0910	42.80	19...	1050	47.00

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--264144081520301. Local Number L 2190.

LOCATION.--Lat 26°41'44", long 81°52'03", in NE¼NW¼ sec.36, T.43 S., R.24 E., Hydrologic Unit 03090205, 0.6 mi north of intersection of Hart Road and State Highway 78, and 2.1 mi northeast of North Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Sandstone aquifer of the Miocene Age, Geologic Unit 122 SNDS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 110 ft, cased to 71 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.20 ft NGVD, Sept. 27, 1979; lowest measured, 0.80 ft NGVD, May 30, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1310	5.52	23...	0920	1.05
25...	0920	5.05	MAY		
NOV			23...	1115	1.17
30...	0815	3.49	JUN		
DEC			26...	1320	3.24
26...	0910	3.62	JUL		
JAN			31...	1240	3.87
29...	0845	2.47	AUG		
FEB			30...	0940	5.17
28...	0815	2.29			
MAR					
26...	0930	1.41			

WELL NUMBER.--264144081520302. Local Number L 2191.

LOCATION.--Lat 26°41'44", long 81°52'03", in NE¼NW¼ sec.36, T.43 S., R.24 E., Hydrologic Unit 03090205, 0.6 mi north of intersection of Hart Road and State Highway 78, and 2.1 mi northeast of North Fort Myers Post Office. Owner: U.S. Geological Survey.

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 15 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.83 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--August 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.06 ft NGVD, July 29, 1986; lowest measured, 6.40 ft NGVD, Apr. 28, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1310	9.90	23...	0930	7.22
25...	0925	9.34	MAY		
NOV			23...	1020	7.18
30...	0815	8.33	JUN		
DEC			26...	1320	9.07
26...	0910	8.89	JUL		
JAN			31...	1240	9.59
29...	0845	8.00	AUG		
FEB			30...	0940	10.63
28...	0815	8.72			
MAR					
26...	0830	7.58			

LEE COUNTY

WELL NUMBER.--264147081562701. Local Number L 1111.

LOCATION.--Lat 26°41'47", long 81°56'27", in SW¼SW¼ sec.29, T.43 S., R.24 E., Hydrologic Unit 03100103, 1,000 ft northeast of intersection of Del Prado and Kismet Parkway. Owner: U.S. Geological Survey.

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 casing, 3.83 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1970 to current year. Records of water levels prior to October 1984 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.26 ft NGVD, May 15, 1980; lowest, 8.36 ft below NGVD, May 15, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
04...	1325	-2.24	15...	1500	-8.36
25...	0940	-3.61	22...	0730	-8.23
NOV			JUN		
30...	0830	-6.43	26...	1340	-6.95
DEC			JUL		
26...	0925	-4.85	31...	1540	-5.21
JAN			AUG		
29...	0855	-5.79	30...	1000	-4.84
FEB			SEP		
28...	0825	-6.35	19...	1020	-4.32
MAR			27...	1230	-4.64
26...	1015	-8.03			
APR					
23...	1015	-8.20			

WELL NUMBER.--264153082022301. Local Number L 721.

LOCATION.--Lat 26°41'53", long 82°02'23", in SW¼SW¼ sec.30, T.43 S., R.23 E., Hydrologic Unit 03100103, on west side of State Highway 765, 4.2 mi north of Pine Island Road and 5.1 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

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.

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 cap, 2.75 ft above land-surface datum.

PERIOD OF RECORD.--July 1968 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.58 ft NGVD, Aug. 29, 1977; lowest measured, 0.48 ft NGVD, Apr. 30, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1100	3.87	23...	1535	1.30
25...	1315	3.38	MAY		
NOV			22...	0850	1.44
30...	1215	2.57	JUN		
DEC			26...	1545	2.70
26...	1140	2.48	JUL		
FEB			31...	1350	3.48
28...	1025	1.92	AUG		
MAR			30...	1245	3.62
26...	1310	1.43			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--264308081410001. Local Number L 1907.

LOCATION.--Lat 26°43'08", long 81°41'00", in NE¼SE¼ sec.23, T.43 S., R.26 E., Hydrologic Unit 03090205, at Lee County Water Plant, and 4.5 mi west of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 57 ft, cased to 55 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 6.58 ft above National Geodetic Vertical Datum of 1929. Prior to October 1978, land-surface datum was considered to be 7.53 ft NGVD. Measuring point: Top of casing, 0.80 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--March 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey. The figures of water levels as elevations, in feet NGVD, prior to October 1978 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.1 ft NGVD, present datum, Aug. 28, 1974; lowest measured, 7.98 ft NGVD, Apr. 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	0830	13.58	23...	0830	7.98
24...	0840	12.68	MAY		
NOV			22...	0805	9.04
27...	0845	9.58	JUN		
DEC			28...	0835	10.48
27...	0830	9.18	JUL		
JAN			30...	0930	10.64
29...	0840	8.78	AUG		
FEB			30...	0810	11.28
27...	1130	8.68			
MAR					
29...	0925	8.62			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

323

LEE COUNTY

WELL NUMBER.--264308081405402. Local Number L 2530.

LOCATION.--Lat 26°43'08", long 81°40'54", in NE¼SE¼ sec.23, T.43 S., R.26 E., Hydrologic Unit 03090205, at Lee County Water Plant, 250 ft southeast of water plant intake, and 4.3 mi west of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in., depth 614 ft, cased to 475 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 casing, 2.70 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Records of water levels prior to October 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.4 ft NGVD, Sept 9, 1985; lowest measured, 40.7 ft NGVD, June 28, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
02...	0835	50.10	23...	0840	44.70
24...	0845	49.30	MAY		
NOV			15...	1020	45.30
27...	0855	48.50	22...	0810	45.90
DEC			JUN		
27...	0835	44.20	28...	0830	48.00
JAN			JUL		
29...	0845	45.60	30...	0930	48.30
FEB			AUG		
27...	1140	44.60	30...	0800	49.40
MAR			SEP		
29...	0930	44.40	19...	1020	48.30

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--264320081365701. Local Number L 1977.

LOCATION.--Lat 26°43'20", long 81°36'57", in NE¼NE¼ sec.21, T.43 S., R.27 E., Hydrologic Unit 03090205, 300 ft north of intersection of Parkinson Road and State Highway 78, and 0.7 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 185 ft, cased to 65 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, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.18 ft NGVD, Sept. 1, 1988; lowest measured, 8.35 ft NGVD, Feb. 21, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0850	13.10	24...	1130	9.21
23...	0920	13.21	MAY		
NOV			23...	1300	10.04
27...	0925	11.70	JUN		
DEC			25...	1730	11.22
28...	0915	10.66	JUL		
JAN			31...	1030	12.27
29...	1010	10.64	AUG		
FEB			29...	0900	11.92
28...	1205	10.77			
MAR					
26...	1520	9.17			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

325

LEE COUNTY

WELL NUMBER.--264320081365702. Local Number L 1978.

LOCATION.--Lat 26°43'20", long 81°36'57", in NE¼NE¼ sec.21, T.43 S., R.27 E., Hydrologic Unit 03090205, 300 ft north of intersection of Parkinson Road and State Highway 78, and 0.7 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Surficial aquifer of the Pleistocene Age, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 17 ft, cased to 7 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, 2.50 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft NGVD, Nov. 23, 1987; lowest measured, 9.69 ft NGVD, May 27, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0855	15.19	24...	1130	11.83
23...	0920	15.14	MAY		
NOV			23...	1300	11.16
27...	0930	13.91	JUN		
DEC			25...	1725	11.66
28...	0915	13.52	JUL		
JAN			31...	1030	12.27
29...	1015	12.76	AUG		
FEB			29...	0900	12.76
28...	1205	12.76			
MAR					
26...	1530	11.88			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--264329081340401. Local Number L 2200.

LOCATION.--Lat 26°43'29", long 81°34'04", in NE¼NE¼ sec.24, T.43 S., R.27 E., Hydrologic Unit 03090205, west side of the Lee/Hendry County Line and State Highway 78, and 2.8 mi northeast of Alva Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with a 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.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.32 ft NGVD, Sept. 23, 1986; lowest measured, 7.37 ft NGVD, Apr. 24, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0920	12.78	24...	1230	7.37
23...	0950	13.18	MAY		
NOV			23...	1313	8.20
27...	0940	9.99	JUN		
DEC			25...	1700	10.66
28...	0935	7.61	JUL		
JAN			31...	1100	12.36
29...	1030	9.20	AUG		
FEB			29...	0930	12.60
28...	1235	9.69			
MAR					
26...	1550	8.24			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

327

LEE COUNTY

WELL NUMBER.--264329081340402. Local Number L 2202.

LOCATION.--Lat 26°43'29", long 81°34'04", in NE¼NE¼ sec.24, T.43 S., R.27 E., Hydrologic Unit 03090205, west side of the Lee/Hendry County Line and State Highway 78, and 2.8 mi northeast of Alva Post Office. Owner: U.S. Geological Survey.

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 7 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.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.94 ft NGVD, Feb. 28, 1983; lowest measured, 10.59 ft NGVD, June 2, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0920	14.79	24...	1230	11.25
23...	0950	14.42	MAY		
NOV			23...	1313	11.05
27...	0940	13.22	JUN		
DEC			25...	1705	12.63
28...	0940	12.94	JUL		
JAN			31...	1100	13.53
29...	1030	12.34	AUG		
FEB			29...	0930	14.09
28...	1235	12.06			
MAR					
26...	1600	11.62			

LEE COUNTY

WELL NUMBER.--264359081424701. Local Number L 1975.

LOCATION.--Lat 26°43'59", long 81°42'47", in SE¼NE¼ sec.16, T.43 S., R.26 E., Hydrologic Unit 03090205, at intersection of State Highway 78 and North Olga Drive, and 6.5 mi west of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Tamiami aquifer of the Miocene Age, Geologic Unit 122 TMIM.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 168 ft, cased to 102 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.12 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--December 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.02 ft NGVD, Nov. 29, 1979; lowest measured, 10.07 ft NGVD, May 5, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0840	14.42	24...	1100	11.53
23...	0900	14.54	MAY		
NOV			23...	1230	12.24
27...	0915	12.96	JUN		
DEC			25...	1745	14.10
28...	0905	13.02	JUL		
JAN			31...	1015	13.71
29...	1000	12.70	AUG		
FEB			29...	0850	14.54
28...	1155	13.55			
MAR					
26...	1510	11.80			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

329

LEE COUNTY

WELL NUMBER.--264359081424702. Local Number L 1976.

LOCATION.--Lat 26°43'59", long 81°42'47", in SE¼NE¼ sec.16, T.43 S., R.26 E., Hydrologic Unit 03090205, at intersection of State Highway 78 and North Olga Drive, and 6.5 mi west of Alva Post Office. Owner: U.S. Geological Survey.

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.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1974 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.12 ft NGVD, Sept. 27, 1979; lowest measured, 8.40 ft NGVD, May 26, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0840	12.82	24...	1110	9.46
23...	0905	12.03	MAY		
NOV			23...	1235	9.27
27...	0915	10.60	JUN		
DEC			25...	1750	10.42
28...	0905	11.14	JUL		
JAN			31...	1015	9.78
29...	1000	10.39	AUG		
FEB			29...	0850	10.35
28...	1155	10.52			
MAR					
26...	1515	9.56			

LEE COUNTY

WELL NUMBER.--264425081454001. Local Number L 726.

LOCATION.--Lat 26°44'25", long 81°45'40", in SW¼SW¼ sec.7, T.43 S., R.26 E., Hydrologic Unit 03090205, at intersection of State Highways 78 and State Highway 31, and 9.4 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

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 14 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 2.20 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--July 1968 to December 1974 (bimonthly); January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.06 ft NGVD, Feb. 28, 1983; lowest measured, 9.06 ft NGVD, Apr. 28, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0835	14.05	24...	1045	11.14
23...	0850	13.14	MAY		
NOV			23...	1220	11.64
27...	0910	12.06	JUN		
DEC			25...	1805	12.93
28...	0900	12.53	JUL		
JAN			31...	1010	11.95
29...	0955	11.66	AUG		
FEB			29...	0850	13.04
28...	1150	12.27			
MAR					
26...	1500	11.19			

LEE COUNTY

WELL NUMBER.--264427081362601. Local Number L 2531.

LOCATION.--Lat 26°44'27", long 81°36'26", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.10, T.43 S., R.27 E., Hydrologic Unit 03090205, 2 mi north of Alva on Persimon Ridge Road on west side of road. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 605 ft, cased to 345 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.--Well is also sampled for water quality.

PERIOD OF RECORD.--March 1978 to current year. Records of water levels prior to October 1983 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.6 ft NGVD, Sept. 1, 1988; lowest measured, 46.2 ft NGVD, June 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0900	50.00	24...	1150	49.50
23...	0940	49.50	MAY		
NOV			15...	1040	47.10
27...	0935	49.50	23...	1315	48.90
DEC			JUN		
28...	0920	47.90	25...	1715	49.70
JAN			JUL		
29...	1020	49.30	31...	1040	49.80
FEB			AUG		
28...	1210	49.40	29...	0910	51.30
MAR			SEP		
26...	1540	49.80	19...	0940	49.90

LEE COUNTY

WELL NUMBER.--264433081360601. Local Number L 5708.

LOCATION.--Lat 26°44'33", long 81°36'06", in SE¼SE¼ sec.10, T.43 S., R.27 E., Hydrologic Unit 03090205, 250 ft west of Frank Green house, 700 ft south of Persimmons Ridge Road, 1.6 mi north then west of intersection of County Road 78 and Persimmons Ridge Road and 1.9 mi north of Alva. Owner: South Florida Water Management District.

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

WELL CHARACTERISTICS.--Driven, observation, artesian well, diameter 6 in., depth 920 ft, cased to 620 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 19.00 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 inch by 2 inch reducer, 2.55 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1984 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.6 ft NGVD, Sept. 30, 1986; lowest measured, 51.0 ft NGVD, May 16, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
03...	0910	55.80	15...	1100	52.20
30...	0850	56.10	23...	1330	53.00
DEC			JUN		
28...	0930	52.80	26...	1230	54.30
JAN			JUL		
31...	1500	54.00	31...	1050	54.40
MAR			AUG		
05...	1330	55.10	29...	0920	54.80
26...	1540	53.60	SEP		
APR			19...	0950	56.40
24...	1230	52.80			

LEE COUNTY

WELL NUMBER.--264517081513201. Local Number L 2341.

LOCATION.--Lat 26°45'17", long 81°51'32", in NW¼NW¼ sec.7, T.43 S., R.25 E., Hydrologic Unit 03100103, at southeast corner of intersection of Nalle Grade Road and Huber Road, and 6.1 mi northeast of North Fort Myers Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 585 ft, cased to 300 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 22.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1976 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.0 ft NGVD, Dec. 27, 1985; lowest measured, 44.80 ft NGVD, Dec. 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
04...	1300	46.40	23...	0900	46.00
25...	0910	47.00	MAY		
NOV			15...	1130	45.80
30...	0800	46.20	23...	1055	45.90
DEC			JUN		
26...	0855	44.80	26...	1310	46.60
JAN			JUL		
29...	0830	47.00	31...	1230	46.90
FEB			AUG		
28...	0805	46.60	30...	0915	47.00
MAR			SEP		
26...	0940	46.20	19...	0900	47.90

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--264517082022101. Local Number L 1059.

LOCATION.--Lat 26°45'17", long 82°02'21", in NE¼NE¼ sec.7, T.43 S., R.23 E., Hydrologic Unit 03100103, 8.0 mi north of the intersection of Pine Island Road and State Highway 765, and 8.8 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

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.

INSTRUMENTATION.--Monthly measurement with pressure gage, and chalked tape.

DATUM.--Land-surface datum is 10.55 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.34 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--April 1970 to December 1974 (bimonthly); January 1975 to current year. Records of water levels prior to October 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.9 ft NGVD, Jan. 30, 1980; lowest measured, 11.5 ft NGVD, June 10, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
05...	1110	14.59	15...	1245	12.35
25...	1330	13.99	23...	0910	12.43
NOV			JUN		
30...	1230	13.78	26...	1600	13.09
DEC			JUL		
26...	1145	13.47	31...	1340	13.40
JAN			AUG		
29...	1125	13.21	30...	1255	13.84
FEB			SEP		
28...	1035	12.92	19...	0850	13.39
MAR			27...	0700	13.73
26...	1320	12.62			
APR					
23...	1550	12.52			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

335

LEE COUNTY

WELL NUMBER.--264517082022102. Local Number L 2526.

LOCATION.--Lat 26°45'17", long 82°02'21", in NE¼NE¼ sec.7, T.43 S., R.23 E., Hydrologic Unit 03100103, on State Highway 765, 8 mi north of State Highway 78, and 8.8 mi northeast of Matlacha Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 605 ft, cased to 300 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, 2.93 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--January 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.43 ft NGVD, Oct. 5, 1989; lowest measured, 33.9 ft NGVD, Feb. 28, 1980.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
05...	1110	43.43	23...	1550	40.33
25...	1330	42.03	MAY		
NOV			15...	1240	39.23
30...	1225	41.63	23...	0910	40.53
DEC			JUN		
26...	1145	40.83	26...	1550	40.93
JAN			JUL		
29...	1125	40.83	31...	1340	41.03
FEB			AUG		
28...	1035	41.43	30...	1250	42.33
MAR			SEP		
26...	1325	41.13	19...	0930	42.23

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--264537081552202. Local Number L 2646.

LOCATION.--Lat 26°45'37", long 81°55'22", in NW¼SW¼ sec.4, T.43 S., R.24 E., Hydrologic Unit 03090205, at intersection of Lakeville Drive and Dalewood Road and 6.9 mi northwest of North Fort Myers Post Office. Owner: U.S. Geological Survey.

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.

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.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1978 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.36 ft NGVD, Sept. 28, 1978; lowest measured, 13.20 ft NGVD, Mar. 26, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
05...	1235	17.21	15...	1200	14.01
25...	1350	16.77	23...	1010	14.08
NOV			JUN		
30...	1250	16.17	26...	1630	15.83
DEC			JUL		
26...	1200	15.87	31...	1310	16.69
JAN			AUG		
29...	1145	15.04	30...	1330	17.35
FEB			SEP		
28...	1055	14.60	19...	0825	17.34
MAR			27...	0630	16.42
26...	1400	13.20			
APR					
24...	0845	13.43			

LEE COUNTY

WELL NUMBER.--264537081552203. Local Number L 3209.

LOCATION.--Lat 26°45'37", long 81°55'22", in NW¼SW¼ sec.4, T.43 S., R.24 E., Hydrologic Unit 03090205, at intersection of Lakeville Drive and Dalewood Road and 6.9 mi northwest of North Fort Myers Post Office. Owner: U.S. Geological Survey.

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.

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, 2.43 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--May 1978 to current year. Records of water levels prior to October 1980 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.07 ft NGVD, Jan. 30, 1980; lowest measured, 13.82 ft NGVD, Nov. 30, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
05...	1235	19.53	26...	1200	17.31
25...	1350	18.97	APR		
NOV			24...	0845	17.31
30...	1250	18.23	JUN		
DEC			26...	1635	18.94
26...	1200	18.85	JUL		
JAN			31...	1310	18.79
29...	1145	17.75	AUG		
FEB			30...	1330	19.18
28...	1050	17.94			

WELL NUMBER.--264608081454101. Local Number L 2216.

LOCATION.--Lat 26°46'08", long 81°45'41", in NE¼NE¼ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of State Highway 31 at Lee/Charlotte County Line, and 10.0 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

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.

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, 2.40 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.42 ft NGVD, Sept. 27, 1979; lowest measured, 14.16 ft NGVD, Apr. 27, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0825	20.12	24...	0950	15.33
23...	0820	20.04	MAY		
NOV			23...	1150	15.88
27...	0855	17.92	JUN		
DEC			25...	1755	18.26
28...	0830	17.84	JUL		
JAN			31...	1005	17.69
29...	0945	16.77	AUG		
FEB			29...	0830	17.78
28...	1130	17.80			
MAR					
26...	1455	15.69			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

LEE COUNTY

WELL NUMBER.--264608081454102. Local Number L 2217.

LOCATION.--Lat 26°46'08", long 81°45'41", in NE¼NE¼ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of State Highway 31 at Lee/Charlotte County Line, and 10.0 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

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.

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.

REMARKS.--Well also sampled for water quality.

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 measured, 20.08 ft NGVD, Apr. 27, 1977.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0825	25.99	24...	0950	21.70
23...	0820	25.36	MAY		
NOV			23...	1200	22.10
27...	0855	23.79	JUN		
DEC			25...	1800	24.79
28...	0830	25.30	JUL		
JAN			31...	1005	22.86
29...	0945	23.79	AUG		
FEB			29...	0830	23.46
28...	1130	24.01			
MAR					
26...	1455	21.89			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

339

LEE COUNTY

WELL NUMBER.--264608081454103. Local Number L 2328.

LOCATION.--Lat 26°46'08", long 81°45'41", in NE¼NE¼ sec.1, T.43 S., R.25 E., Hydrologic Unit 03090205, west side of State Highway 31 at Lee/Charlotte County Line, and 10.0 mi northwest of Alva Post Office. Owner: U.S. Geological Survey.

AQUIFER.--Lower Hawthorn aquifer of the Miocene Age, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 600 ft, cased to 300 ft.

INSTRUMENTATION.--Monthly measurement with pressure gage.

DATUM.--Land-surface datum is 26.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.30 ft above land-surface datum.

REMARKS.--Well also sampled for water quality.

PERIOD OF RECORD.--September 1976 to current year. Records of water levels prior to October 1982 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.3 ft NGVD, July 31 and Oct. 31, 1979; lowest measured, 46.5 ft NGVD, Feb. 28 and June 28, 1978.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
03...	0830	49.30	24...	0950	49.50
23...	0825	49.30	MAY		
NOV			15...	1120	49.70
27...	0855	49.70	24...	0950	49.50
DEC			JUN		
28...	0835	48.20	25...	1750	49.90
JAN			JUL		
29...	0950	49.30	31...	1005	50.40
FEB			AUG		
28...	1135	49.80	29...	0840	50.30
MAR			SEP		
26...	1450	49.70	19...	0920	51.50

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
LEE COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
262331082383201	L -5672	26 23 31 N	081 38 32 W	10-30-89	10.43
				04-26-90	8.58
262331082383202	L -5673			10-30-89	3.57
				04-26-90	-1.12
262513081432601	L -5667	26 25 13 N	081 43 26 W	10-30-89	15.91
				03-26-90	6.88
				04-26-90	12.62
				05-23-90	6.58
262513081432902	L -5666	26 25 13 N	081 43 29 W	10-30-89	1.15
				04-26-90	1.95
263115081483501	L -5641	26 31 15 N	081 48 35 W	09-19-90	51.80
263242081572101	L -2244	26 32 42 N	081 57 21 W	10-04-89	-21.44
				10-26-89	-25.72
				11-29-89	-34.52
				12-11-89	-33.52
				12-26-89	-31.02
				01-16-90	-33.12
				01-31-90	-36.62
				02-12-90	-35.62
				02-27-90	-34.02
				03-12-90	-34.77
				03-30-90	-36.90
				04-09-90	-36.10
				04-24-90	-36.16
				05-07-90	-38.00
				05-22-90	-31.35
				06-11-90	-23.14
				06-27-90	-26.80
				08-01-90	-21.87
				08-29-90	-20.20
				09-27-90	-20.21
263315081524201	L -1156	26 33 15 N	081 52 42 W	10-27-89	-48.98
				04-25-90	-57.83
263438081563201	L -1117	26 34 38 N	081 56 32 W	10-30-89	-28.10
				04-24-90	-40.63

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
LEE COUNTY--Continued

341

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
263532081592202	L -1136	26 35 32 N	081 59 22 W	10-04-89	5.19
				10-26-89	4.56
				11-29-89	3.91
				12-11-89	3.81
				12-26-89	4.21
263532081592202	L -1136	26 35 32 N	081 59 22 W	01-16-90	3.66
				01-31-90	4.01
				02-12-90	3.36
				02-27-90	4.45
				03-12-90	4.29
				03-30-90	3.86
				04-09-90	3.36
				04-24-90	3.41
				05-07-90	3.38
				05-22-90	3.15
				06-11-90	5.05
				06-27-90	4.49
				08-01-90	4.66
				08-28-90	5.76
				09-27-90	4.50
263720081573101	L -1114	26 37 20 N	081 57 31 W	10-30-89	-29.65
				10-30-89	-29.65
263905081572801	L -1115	26 39 05 N	081 57 28 W	10-30-89	-17.23
				04-24-90	-21.49
263907081592701	L -2528	26 39 07 N	081 59 27 W	09-19-90	34.50
264053081563201	L -1099	26 40 53 N	081 56 32 W	10-30-89	-59.22
				04-24-90	-59.77
264054081592601	L -1106	26 40 54 N	081 59 26 W	10-30-89	5.78
				04-24-90	1.96
264055081583101	L -1109	26 40 55 N	081 58 31 W	10-30-89	1.66
				04-24-90	-2.44
264120082022101	L -1113	26 41 12 N	082 02 21 W	10-25-89	13.65
				04-24-90	10.60
				05-15-90	10.41
				09-19-90	12.25
264144081582601	L -1108	26 41 44 N	081 58 26 W	10-30-89	4.50
				04-24-90	0.97
				05-15-90	0.70
				09-19-90	3.61
264146081592301	L -1107	26 41 46 N	081 59 23 W	10-30-89	7.12
				04-24-90	3.57
				05-15-90	3.24
				09-19-90	6.16
264241081582401	L -1110	26 42 41 N	081 58 24 W	10-30-89	9.97
				04-24-90	5.72
				05-15-90	5.69
				09-19-90	9.84

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261859081481901	L -5726	26 18 59 N	081 48 19 W	10-27-89	100	10
				04-23-90	217	6.0
261859081481902	L -5727			10-27-89	1340	240
				12-11-89	1320	200
				12-28-89	1280	200
				01-16-90	1290	200
				01-31-90	1350	240
				02-12-90	1570	290
				03-30-90	1390	260
				04-09-90	1630	340
				04-23-90	1640	320
				05-07-90	2600	620
				07-31-90	1290	250
				08-27-90	1310	240
				09-27-90	4880	1300
261900081454601	L -5744	26 19 00 N	081 45 46 W	10-26-89	613	10
				05-07-90	630	17
261900081454602	L -5745			10-26-89	1010	120
				12-11-89	1010	120
				12-26-89	1010	120
				01-16-90	1040	120
				01-29-90	1000	120
				02-12-90	977	120
				03-12-90	1020	140
				04-09-90	1040	130
				04-23-90	1040	120
				05-07-90	1020	120
				07-31-90	1020	120
				08-27-90	1040	120
				09-28-90	1010	130
261946081490301	L -5724	26 19 46 N	081 49 03 W	10-27-89	1030	170
				04-23-90	985	140
261946081490302	L -5725			10-27-89	1830	500
				12-11-89	1950	520
				12-28-89	1930	520
				01-16-90	1890	500
				01-31-90	2590	640
				02-12-90	2610	600
				03-12-90	2310	580
				03-30-90	2220	520
				04-09-90	2270	560
				04-23-90	2330	520
				05-07-90	2770	700
				07-31-90	1860	460
				08-27-90	1910	480
				09-27-90	1910	480
261954081410101	L -1996	26 19 54 N	081 41 01 W	10-23-89	600	44
				04-24-90	625	62
261954081410102	L -1997			10-23-89	604	46
				04-24-90	627	60
261954081432201	L -2198	26 19 54 N	081 43 22 W	10-22-89	979	88
				04-24-90	1000	95
				09-27-90	978	92
261957081432201	L -2194	26 19 57 N	081 43 22 W	10-23-89	958	92
				03-12-90	989	100
				04-24-90	989	100
				07-31-90	960	92
				08-27-90	975	92

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

343

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261957081432202	L -2195			10-23-89	557	28
				04-24-90	618	30
				05-22-90	619	30
262022081464201	L - 738	26 20 22 N	081 46 42 W	10-26-89	1430	300
				12-11-89	1470	320
				12-26-89	1430	300
				01-16-90	1530	340
262022081464201	L - 738	26 20 22 N	081 46 42 W	01-29-90	1760	340
				02-12-90	1680	290
				03-12-90	1600	300
				03-26-90	1610	300
				04-09-90	1600	300
				04-24-90	1650	320
				05-07-90	1540	320
				05-22-90	1630	310
				07-30-90	1470	300
				09-27-90	1610	320
262022081464202	L -2310			10-26-89	10000	2700
				04-24-90	9710	2700
262034081464701	L - 346	26 20 34 N	081 46 47 W	02-26-90	7100	1800
				03-12-90	7100	1800
				03-30-90	7140	2000
				04-09-90	7030	1800
				04-27-90	7130	2000
				05-07-90	6810	1900
				08-27-90	7240	1800
				09-27-90	6420	1700
262034081464801	L - 345	26 20 34 N	081 46 48 W	05-22-90	1590	280
262042081455001	L -1691	26 20 42 N	081 45 50 W	12-11-89	505	76
				12-26-89	478	75
				01-16-90	498	68
				01-29-90	445	70
				02-12-90	870	88
				03-12-90	730	76
				04-09-90	613	72
				04-24-90	825	72
				05-07-90	693	75
				05-22-90	645	74
				07-30-90	794	78
				08-27-90	817	76
				09-27-90	806	76
262102081464401	L -5722	26 21 02 N	081 46 44 W	10-26-89	874	70
				05-07-90	702	75
262102081464402	L -5723			10-26-89	888	86
				12-11-89	875	100
				12-26-89	882	95
				01-16-90	903	92
				01-29-90	850	92
				02-12-90	836	90
				03-26-90	885	90
				04-09-90	885	86
				04-24-90	896	86
				05-07-90	858	100
				07-30-90	860	88
				08-27-90	880	90
				09-27-90	884	90
262258081471801	L -5746	26 22 58 N	081 47 18 W	10-26-89	582	20
				04-24-90	631	32

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
262258081471802	L -5747			10-26-89	948	120
				12-11-89	967	130
				12-26-89	943	120
				01-16-90	991	120
				01-29-90	932	120
				02-12-90	910	100
				03-12-90	972	120
				03-26-90	929	110
				04-09-90	977	120
				04-24-90	977	120
				05-07-90	946	120
				07-30-90	925	120
				08-27-90	962	120
				09-27-90	951	120
262331082383201	L -5672	26 23 31 N	081 38 32 W	10-30-89	637	30
				04-26-90	768	40
262331082383202	L -5673			10-30-89	628	32
				04-26-90	687	52
262351081485401	L -5730	26 23 51 N	081 48 54 W	10-26-89	669	54
				04-24-90	640	57
262351081485402	L -5731			10-26-89	825	100
				12-11-89	829	110
				12-26-89	818	100
				01-16-90	867	100
				01-29-90	870	100
				02-12-90	870	100
				03-12-90	835	100
				03-26-90	841	100
				04-09-90	833	98
				04-24-90	842	100
				05-07-90	817	95
				07-30-90	814	100
				08-27-90	828	100
262435081535001	L -1635	26 24 35 N	081 53 50 W	10-25-89	4510	1200
				04-24-90	4640	1200
262435081535101	L -1634	26 24 35 N	081 53 51 W	10-25-89	5020	1500
				04-24-90	5000	1500
262511081471801	L -5669	26 25 11 N	081 47 18 W	10-26-89	807	90
				04-24-90	662	70
262513081432601	L -5667	26 25 13 N	081 43 26 W	10-30-89	618	30
				04-26-90	626	30
262513081432902	L -5666	26 25 13 N	081 43 29 W	10-30-89	938	110
				04-26-90	907	100
262513081471802	L -5668	26 25 13 N	081 47 18 W	10-26-89	2250	620
				04-24-90	2270	560
262514081393401	L -5665	26 25 14 N	081 39 34 W	10-26-89	560	28
				04-24-90	578	28
262514081393402	L -5664			10-26-89	630	36
				04-24-90	646	47
262538082045701	L - 588	26 25 38 N	082 04 57 W	10-27-89	17000	5100
				04-25-90	8500	2600
262547082051201	L - 590	26 25 48 N	082 05 10 W	10-27-89	3970	1100
				04-25-90	3910	1200
262549082035301	L -1403	26 25 49 N	082 03 53 W	10-27-89	914	140
				04-25-90	2550	640

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

345

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
262552081485701	L - 741	26 25 52 N	081 48 57 W	10-25-89 01-29-90 04-24-90	709 667 711	130 120 140
262552081485702	L -2295			10-25-89 04-24-90	2430 2460	480 480
262552081485703	L -2308			10-25-89 04-24-90	519 534	16 20
262622082022001	L -1456	26 26 22 N	082 02 20 W	10-27-89 04-25-90	4630 4580	1100 1200
262622082022002	L -1457			10-27-89 04-25-90	655 641	90 58
262622082074401	L -2524	26 26 22 N	082 07 44 W	10-27-89 04-25-90	2720 2770	460 430
262657081443501	L - 739	26 26 57 N	081 44 35 W	10-26-89 04-24-90	624 660	30 30
262659081382501	L -2192	26 26 59 N	081 38 25 W	10-26-89 04-24-90	817 699	80 65
262703081340201	L - 731	26 27 03 N	081 34 02 W	10-26-89 01-30-90 04-24-90	153 491 330	14 22 22
262703081340202	L -1138			10-26-89 04-24-90	407 423	50 50
262703081340203	L -2313			10-26-89 04-24-90	4510 4570	1000 1000
262706081435401	L -1853	26 27 06 N	081 43 54 W	10-26-89 04-24-90	1580 1620	310 350
262710082005301	L - 585	26 27 08 N	082 00 54 W	10-27-89 04-25-90	4910 5020	1500 1500
262713081414601	L -1984	26 27 13 N	081 41 46 W	10-26-89 01-30-90 04-24-90	715 735 751	34 35 28
262713081414701	L -1985	26 27 13 N	081 41 47 W	10-26-89 04-24-90	768 747	22 22
262831081575901	L -2212	26 28 31 N	081 57 59 W	10-27-89 04-25-90	1370 1370	300 330
262839081503100	L - 735	26 28 39 N	081 50 31 W	10-25-89 04-24-90	1650 1680	460 480
262934081495801	L -5649	26 29 34 N	081 47 28 W	10-25-89	1190	250
262934081495802	L -5721	26 29 34 N	081 49 58 W	10-25-89 04-24-90	501 558	34 34
262944081560801	L -2529	26 29 13 N	081 56 25 W	10-25-89 04-25-90	7170 7570	2100 2300
263004082111701	L -2315	26 30 04 N	082 11 17 W	10-27-89 04-25-90	3360 3400	780 800
263041081433101	L -1983	26 30 41 N	081 43 31 W	10-25-89 04-24-90	724 756	42 50
263041081433102	L -1998			10-25-89 04-24-90	740 746	68 72

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
263041081433103	L -1999			10-25-89	648	12
				04-24-90	724	36
263058081560801	L - 357	26 30 58 N	081 56 08 W	10-23-89	3230	800
				04-25-90	3420	780
263117082051001	L -2525	26 31 17 N	082 05 10 W	10-25-89	2080	460
				04-23-90	2090	460
263117082051002	L -2821			10-25-89	2500	600
				04-23-90	2550	600
263117082051003	L -3215			10-25-89	3140	800
				04-23-90	2980	760
263124081521401	L -1089	26 31 24 N	081 52 14 W	10-25-89	1100	320
				12-27-89	1090	320
				01-16-90	1140	310
				01-29-90	1080	310
				02-12-90	1120	330
				03-12-90	1120	310
				03-29-90	1130	310
				04-09-90	1130	310
				04-23-90	1130	310
				05-07-90	1090	320
				05-24-90	1130	320
				06-25-90	1150	310
				08-01-90	1110	320
				08-29-90	1140	320
263125081511801	L - 331	26 31 25 N	081 51 18 W	10-27-89	2440	640
				04-25-90	2470	660
263127081351602	L -2215	26 31 27 N	081 35 16 W	10-23-89	643	34
				04-25-90	660	34
263138081545801	L - 730			10-23-89	333	6.0
				04-25-90	337	4.0
263233081550301	L -1598	26 32 33 N	081 55 03 W	10-27-89	553	100
				04-24-90	645	170
				08-29-90	610	160
				09-27-90	593	130
263242081572101	L -2244	26 32 42 N	081 57 21 W	10-26-89	68	6.0
				04-24-90	129	16
263249081474401	L -5648	26 32 49 N	081 47 44 W	10-24-89	905	150
				04-23-90	940	150
263249081474402	L -5720			10-24-89	910	90
				04-23-90	912	97
263251081452801	L -1993	26 32 51 N	081 45 28 W	10-24-89	847	130
263251081452801	L -1993	26 32 51 N	081 45 28 W	04-23-90	861	130
263251081452802	L -1994			10-24-89	794	80
263251081452803	L -1995			10-24-89	422	20
				04-23-90	508	26

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

347

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
263253082014201	L -2643	26 32 53 N	082 01 42 W	10-26-89	3730	1000
				12-11-89	3710	1000
				12-26-89	3610	1000
				01-16-90	3710	960
				01-31-90	3670	960
				02-12-90	3670	960
				03-12-90	3850	960
				03-30-90	3730	980
				04-09-90	3810	980
				04-24-90	3780	940
				05-07-90	3630	970
				05-22-90	3730	1000
				06-27-90	3750	970
				08-01-90	3680	940
				08-28-90	3720	1000
				09-27-90	3720	980
				10-26-89	2830	300
				04-24-90	2810	300
263253082014202	L -3206			10-26-89	2830	300
				04-24-90	2810	300
263257081585701	L -2642	26 32 57 N	081 58 57 W	10-26-89	1350	320
				12-11-89	1350	320
				12-26-89	1340	320
				01-16-90	1380	290
				01-31-90	1320	300
				02-12-90	1350	320
				03-12-90	1420	290
				03-30-90	1360	300
				04-09-90	1350	290
				04-24-90	1370	300
				05-07-90	1310	300
				05-22-90	1360	300
				08-28-90	1350	300
				09-27-90	1350	300
				10-26-89	3420	880
				04-24-90	4080	1000
263307081555901	L -2435	26 34 07 N	081 55 59 W	10-26-89	10300	3900
				04-24-90	10300	2800
263315081524201	L -1156	26 33 15 N	081 52 42 W	10-27-89	444	66
				04-25-90	468	86
263323081522401	L - 742	26 33 23 N	081 52 24 W	10-25-89	287	36
				04-23-90	391	50
263327081512001	L -1121	26 33 27 N	081 51 20 W	10-24-89	310	52
				04-23-90	327	54
263329081394301	L -2204	26 33 29 N	081 39 43 W	10-24-89	473	16
				04-23-90	484	24
263329081394302	L -1625			10-24-89	728	70
				04-23-90	516	36
263335081394301	L - 729	26 33 35 N	081 39 43 W	10-24-89	750	66
				04-23-90	524	50
263344081361701	L -1963	26 33 44 N	081 36 17 W	10-23-89	1080	140
				04-25-90	1140	160
263344081361702	L -1964			10-23-89	583	26
				04-25-90	593	22
263344081361703	L -2186			10-23-89	2370	520
				04-25-90	2410	520
263344081361704	L -2311			10-23-89	5020	1300
				04-25-90	5010	1300

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
263353081335801	L -1965	26 33 53 N	081 33 58 W	10-23-89 04-25-90	762 1090	70 170
263353081335802	L -1992			10-23-89 04-25-90 07-31-90	1180 1100 1090	190 160 160
263357081575602	L -2703	26 33 57 N	081 57 56 W	10-26-89 04-24-90	1540 1560	340 380
263357081575603	L -3213			10-26-89 04-24-90	1010 1160	120 170
263438081563201	L -1117	26 34 38 N	081 56 32 W	10-30-89 04-24-90	392 514	96 130
263440082022001	L -2644	26 34 40 N	082 02 20 W	10-26-89 12-11-89 12-26-89 01-16-90 01-31-90 02-12-90 03-12-90 03-30-90 04-09-90 04-24-90 05-07-90 05-22-90 06-27-90 08-01-90 08-28-90 09-27-90	3810 3820 3780 3890 3750 3800 3940 3800 3800 3870 3710 3830 3810 3760 3840 3770	1000 1000 1000 980 1000 1000 1000 980 980 960 1000 1000 970 950 950 980
263440082022002	L -3207			10-26-89 04-24-90	2110 2640	160 180
263526082010201	L -2434	26 35 26 N	082 01 02 W	10-26-89 04-24-90	1790 1820	380 380
263532081592201	L - 581	26 35 32 N	081 59 22 W	10-26-89 04-24-90	824 870	220 230
263532081592202	L -1136			10-26-89 04-24-90	507 702	54 80
263533081573401	L -2641	26 35 33 N	081 57 34 W	10-26-89 04-24-90	873 915	140 150
263621081563701	L -2702	26 36 21 N	081 56 37 W	10-26-89 12-11-89 12-26-89 01-16-90 01-31-90 02-12-90 03-12-90 03-30-90 04-09-90 04-24-90 05-07-90 05-22-90 08-01-90 08-28-90 09-27-90	848 887 873 911 881 888 946 930 918 931 911 922 917 927 889	120 130 130 120 130 130 130 130 130 130 130 130 130 130 120
263621081563702	L -3212			10-26-89 04-24-90	715 818	44 50
263630081375301	L -1418	26 36 30 N	081 37 53 W	10-24-89 04-23-90	1010 955	180 190

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

349

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
263633082002701	L -1116	26 36 33 N	082 00 27 W	10-26-89 04-24-90	557 566	68 66
263712081461201	L - 728	26 37 12 N	081 46 12 W	10-26-89 04-24-90	554 545	28 32
263718081485001	L -1973	26 37 18 N	081 48 50 W	10-25-89 04-23-90	842 936	110 150
263718081485002	L -1974			10-25-89 04-23-90	650 669	90 88
263718081485003	L -2292			10-25-89 04-23-90	3530 3530	840 850
263720081573101	L -1114	26 37 20 N	081 57 31 W	10-30-89	723	100
263743082041201	L -2645	26 37 43 N	082 04 12 W	10-25-89 04-23-90	2190 2240	560 560
263743082041202	L -3208			10-25-89	2040	160
263743082041202	L -3208	26 37 43 N	082 04 12 W	04-23-90	3080	500
263802081493501	L - 246	26 38 02 N	081 49 35 W	10-25-89	933	130
263807081430301	L -1968	26 38 07 N	081 43 03 W	10-23-89 04-25-90	641 785	52 68
263813081552801	L -2640	26 38 13 N	081 55 28 W	10-26-89 12-11-89 01-31-90 02-12-90 03-12-90 03-30-90 04-09-90 04-24-90 05-07-90 05-22-90 06-27-90 07-31-90 08-28-90 09-27-90	1030 1030 1060 1020 1070 1050 1040 1060 1010 1060 1050 1030 1040 1040	190 190 190 180 180 190 190 190 180 200 180 180 180 180
263813081552802	L -3203			10-26-89 04-24-90	756 740	60 48
263814082020701	L -1058	26 38 14 N	082 02 07 W	10-25-89 04-23-90	1590 1550	440 420
263819081585801	L -2701	26 38 19 N	081 58 58 W	10-26-89 04-24-90	552 555	54 54
263819081585802	L -3211			10-26-89 04-24-90	510 546	6.0 6.0
263834082005301	L - 781	26 38 34 N	082 00 53 W	10-25-89 04-23-90	1960 1400	480 310
263850081365401	L - 727	26 39 50 N	081 35 54 W	10-24-89 04-23-90	854 901	170 180
263903081550401	L - 954	26 39 03 N	081 55 04 W	10-26-89 04-24-90	434 496	18 28
263905081572801	L -1115	26 39 05 N	081 57 28 W	10-30-89 04-24-90	543 560	150 150
263950081355401	L -2187	26 39 50 N	081 35 54 W	10-24-89 04-23-90	1800 1810	360 380
263950081355402	L -1137			10-24-89 04-23-90	457 498	10 10

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
263955082083101	L -2527	26 39 55 N	082 08 31 W	10-25-89 04-23-90	6360 6490	1900 2000
263955082083102	L -2820			10-25-89 04-23-90	3180 2730	880 740
263955082083103	L -2549			10-25-89 04-23-90	877 938	100 110
263955082083104	L -3214			10-25-89 04-23-90	479 692	56 64
264002082012801	L -2700	26 40 02 N	082 01 28 W	10-25-89 04-23-90	3770 3860	1000 1000
264002082012802	L -3210			10-25-89	953	76
264053081563201	L -1099	26 40 53 N	081 56 32 W	10-30-89 04-24-90 07-31-90	665 556 418	120 38 10
264053081572501	L -4820	26 40 53 N	081 57 25 W	10-25-89 04-23-90	772 778	84 80
264054081592601	L -1106	26 40 54 N	081 59 26 W	10-30-89 04-24-90	1080 1010	180 170
264055081583101	L -1109	26 40 55 N	081 58 31 W	10-30-89 04-24-90	1050 1090	180 220
264101081443001	L - 652	26 41 01 N	081 44 30 W	10-24-89 04-23-90	3050 3120	700 720
264120082022101	L -1113	26 41 12 N	082 02 21 W	10-25-89 07-31-90	3760 3970	1100 1000
264144081520301	L -2190	26 41 44 N	081 52 03 W	10-25-89 04-23-90	1050 1050	130 120
264144081520302	L -2191			10-25-89	475	16
264144081520302	L -2191	26 41 44 N	081 52 03 W	04-23-90	448	14
264144081582601	L -1108	26 41 44 N	081 58 26 W	10-30-89 04-24-90	944 994	270 280
264146081592301	L -1107	26 41 46 N	081 59 23 W	10-30-89 04-24-90	988 921	190 190
264147081562701	L -1111	26 41 47 N	081 56 27 W	10-25-89 04-23-90	912 942	200 200
264153082022301	L - 721	26 41 53 N	082 02 23 W	10-25-89 04-23-90	507 520	14 14
264241081582401	L -1110	26 42 41 N	081 58 24 W	10-30-89 04-24-90	1770 1510	460 400
264308081405402	L -2530	26 43 08 N	081 40 54 W	10-24-89 04-23-90	2200 2230	480 440
264308081410001	L -1907	26 43 08 N	081 41 00 W	10-24-89 04-23-90	884 836	170 170
264320081365701	L -1977	26 43 20 N	081 36 57 W	10-23-89 04-24-90	3800 3870	1000 980
264320081365702	L -1978			10-23-89 04-24-90	338 462	30 14
264329081340401	L -2200	26 43 29 N	081 34 04 W	10-23-89 04-24-90	3130 3260	780 800
264329081340402	L -2202			10-23-89 04-24-90	713 723	48 48

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
LEE COUNTY--Continued

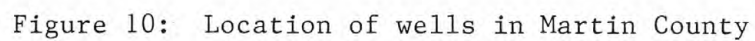
351

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
264359081424701	L -1975	26 43 59 N	081 42 47 W	10-23-89 04-24-90	714 892	100 130
264359081424702	L -1976			10-23-89 04-24-90	1420 1300	58 55
264425081454001	L - 726	26 44 25 N	081 45 40 W	10-23-89 04-24-90	461 489	8.0 6.0
264427081362601	L -2531	26 44 27 N	081 36 26 W	10-23-89 04-24-90	3040 3170	740 740
264433081360601	L -5708	26 44 33 N	081 36 06 W	10-30-89 04-24-90	3460 3490	860 820
264517081513201	L -2341	26 45 17 N	081 51 32 W	10-25-89 04-23-90	3360 3400	880 870
264517082022101	L -1059	26 45 17 N	082 02 21 W	10-25-89 04-23-90	1750 1660	440 460
264517082022102	L -2526			10-25-89 04-23-90	2600 2640	660 680
264537081552202	L -2646	26 45 37 N	081 55 22 W	10-25-89 04-24-90	643 665	78 74
264537081552203	L -3209			10-25-89 04-24-90	544 613	22 34
264608081454101	L -2216	26 46 08 N	081 45 41 W	10-23-89 04-24-90	1250 1250	240 280
264608081454102	L -2217			10-23-89 04-24-90	921 916	84 90
264608081454103	L -2328			10-23-89 04-24-90	4130 4170	1000 1000

WATER RESOURCES DATA FOR FLORIDA, 1990
VOLUME 2B: SOUTH FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 10
MARTIN COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
11	265822080052401	M 1039	354
12	270012080060101	M 1070	355
13	270042080061401	M 1095	356
2	270124080280202	M 1048	356
14	270309080072201	M 1092	357
15	270320080073301	M 1044	358
16	270835080105801	M 1004	359
17	270941080210301	M 933	359
4	270943080145701	M 1146	360
4	270943080145702	M 1147	361
10	270952080135201	M 1141	362
10	270952080135202	M 1183	362
9	271007080142101	M 1179	363
5	271010080122201	M 1132	363
5	271017080123501	M 1165	364
5	271018080125101	M 1055	365
7	271109080125501	M 1010	366
8	271123080135101	M 1091	367
8	271010080141201	M 147	368
8	271127080144701	M 1090	368
8	271148080141201	M 1011	369
8	271156080141201	M 1158	370



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY

WELL NUMBER.--265822080052403. Local Number M 1039. USGS Observation Well near Tequesta, Fl.

LOCATION.--Lat 26°58'22", long 80°05'24", in NW¼SW¼SW¼ sec.19, T.40 S., R.43 E., Hydrologic Unit 03090202, approximately 1.5 mi north of Loxahatchee River at U.S. 1 and 0.2 mi west of U.S. 1 at County Line Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 127 ft, cased to 123 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 25.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing 2.00 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--January 1976 to September 1985, intermittent. October 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.78 ft NGVD, Oct. 25, 1983; lowest measured, 0.06 ft below NGVD, Mar. 27, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
23...	0920	1.37	05...	1115	0.65
NOV			26...	1300	0.64
27...	0945	1.20	MAY		
DEC			03...	1230	0.37
21...	1045	1.14	JUN		
JAN			01...	1300	0.60
23...	1130	1.01	26...	1345	0.61
FEB			JUL		
27...	1300	1.05	23...	1600	0.87
MAR			AUG		
12...	0830	1.28	28...	1000	1.11
27...	1100	-0.06	SEP		
			25...	1100	0.93

MARTIN COUNTY

WELL NUMBER.--270012080060101. Local Number M 1070. USGS Observation Well near Tequesta, Fl.

LOCATION.--Lat 27°00'12", long 80°06'01", in NW¼SW¼SE¼ sec.12, T.40 S., R.42 E., Hydrologic Unit 03090202, approximately 4 mi north of Loxahatchee River Bridge on U.S. 1 at Jupiter, Fl. at gate entrance to Jonathan Dickinson Park.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 120 ft, cased to 116 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 21.00 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--January 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.97 ft NGVD, Oct. 26, 1983; lowest measured, 0.58 ft NGVD, July 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
24...	0800	0.98	05...	1100	1.04
NOV			26...	1230	1.04
24...	0925	0.98	MAY		
DEC			02...	1700	0.76
21...	1020	0.90	JUN		
JAN			01...	1230	0.69
23...	1215	0.79	26...	1430	0.62
FEB			JUL		
27...	1230	0.90	23...	1530	0.58
MAR			AUG		
12...	0900	0.95	27...	1500	0.74
27...	1530	0.75	SEP		
			25...	1115	0.84

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY

WELL NUMBER.--270042080061401. Local Number M 1095. USGS Observation Well near Hobe Sound, Fl.

LOCATION.--Lat 27°00'42", long 80°06'14", in SW¼NE¼NW¼ sec.12, T.40 S., R.42 E., Hydrologic Unit 03090202, approximately 5 mi north of Jupiter, Fl. on U.S. 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 100 ft, cased to 95 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 32.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.65 ft NGVD, Oct. 26, 1983; lowest measured, 1.10 ft NGVD, July 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
24...	0900	2.85	05...	1030	1.45
NOV			26...	1215	1.45
24...	0900	2.76	MAY		
DEC			02...	1645	1.23
21...	1010	2.66	JUN		
JAN			01...	1210	1.33
23...	1315	2.50	26...	1410	1.25
FEB			JUL		
12...	0915	2.53	23...	1515	1.10
27...	1215	2.50	AUG		
MAR			27...	1515	1.35
12...	0930	2.70	SEP		
27...	1015	2.52	25...	1200	1.65

WELL NUMBER.--270124080280202. Local Number M 1048. USGS Observation Well at Indiantown, Fl.

LOCATION.--Lat 27°01'24", long 80°28'02", in NE¼SE¼ sec.6, T.40 S., R.39 E., Hydrologic Unit 03090202, near Civic Club in Indiantown, and 0.1 mi northeast of State Highway 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.--Digital water level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 33.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.83 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 33.59 ft Sept. 3, 1980; lowest, 25.11 ft NGVD, Apr. 28, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.92	30.19	28.69	28.22	27.57	28.27	27.15	26.42	26.14	26.09	26.12	29.48
10	32.12	29.85	28.58	28.13	27.46	28.01	27.05	26.32	26.32	26.01	27.09	29.16
15	31.56	29.56	28.42	28.03	27.40	27.79	26.93	26.38	26.41	25.91	28.44	28.87
20	31.49	29.27	28.25	27.92	27.60	27.61	26.80	26.22	26.21	25.88	30.07	30.13
25	30.88	29.05	28.63	27.82	28.53	27.45	26.70	26.13	26.07	26.23	29.76	29.82
EOM	30.55	28.88	28.36	27.69	28.50	27.27	26.54	26.05	25.98	26.29	29.99	30.89
MEAN	31.01	29.57	28.52	28.00	27.77	27.80	26.91	26.28	26.19	26.05	28.38	29.58
MAX	32.13	30.45	28.84	28.33	28.53	28.47	27.25	26.52	26.41	26.32	30.07	30.89
MIN	29.69	28.88	28.23	27.69	27.31	27.27	26.54	26.05	25.98	25.85	26.12	28.69

WTR YR 1990 MEAN 28.01 MAX 32.13 OCT 11 MIN 25.85 JUL 23

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

357

MARTIN COUNTY

WELL NUMBER.--270309080072201. Local Number M 1092. USGS Observation Well in Hobe Sound, Fl.

LOCATION.--Lat 27°03'09", long 80°07'22", in NW¼SW¼NW¼ sec.26, T.39 S., R.42 E., Hydrologic Unit 03090202, approximately 1.0 mi south of Junction of S.R. 708 and A1A in Hobe Sound, Fl.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 160 ft, cased to 155 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.00 ft above National Geodetic Vertical Datum of 1929, from topographic map.
Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.09 ft NGVD, Oct. 26, 1983; lowest measured, 1.27 ft NGVD, July 23, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
24...	0925	3.65	05...	1015	2.12
NOV			25...	1515	1.80
24...	0850	3.62	MAY		
DEC			02...	1630	1.65
21...	0945	3.60	JUN		
JAN			01...	1150	1.67
23...	1400	3.29	25...	1320	1.52
FEB			JUL		
27...	1145	3.88	23...	1500	1.27
MAR			AUG		
12...	1000	3.90	27...	1445	1.56
27...	0945	3.68	SEP		
			24...	0950	1.66

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY

WELL NUMBER.--270320080073301. Local Number M 1044. USGS Observation Well in Hobe Sound, Fl.

LOCATION.--Lat 27°03'20", long 80°07'33", in NE¼NE¼NE¼ sec.27, T.39 S., R.42 E., Hydrologic Unit 03090202, approximately 0.5 mi south of intersection of A1A and S.R. 708 in Hobe Sound, Fl.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 163 ft, cased to 158 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. Prior to October 1988, land-surface datum was considered to be 11.00 ft NGVD. See PERIOD OF RECORD.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--November 1974 to current year. The figures of water levels as elevation, in feet NGVD, prior to October 1988 are in error. Revised record are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.53 ft NGVD, Aug. 27, 1990; lowest measured, 1.50 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
24...	0940	3.48	05...	1000	2.65
NOV			25...	1500	2.44
24...	0830	2.14	MAY		
DEC			02...	1530	3.15
21...	0930	2.37	JUN		
JAN			01...	1145	5.93
23...	1515	2.16	25...	1312	1.83
FEB			JUL		
12...	0845	5.28	23...	1445	2.05
27...	1130	2.46	AUG		
MAR			27...	1420	7.53
12...	1030	2.49	SEP		
27...	0930	2.51	24...	0940	2.44

MARTIN COUNTY

WELL NUMBER.--270835080105801. Local Number M 1004. USGS Observation Well in Port Salerno, FL.

LOCATION.--Lat 27°08'35", long 80°10'58", in NE¼NW¼ sec.30, T.38 S., R.42 E., Hydrologic Unit 03090202, 5.0 mi southeast of Stuart, 0.7 mi east of A1A on Cove Road in Port Salerno.

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.--Digital water level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 7.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1973 to December 1976. October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.29 ft NGVD, Oct. 8, 1973; lowest, 2.29 ft NGVD, July 7, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.56	4.31	3.08	4.54	4.57	4.26	4.07	3.14	2.73	2.58	2.91	4.37
10	2.70	4.11	2.99	4.51	4.37	3.98	3.87	3.00	2.52	2.58	2.82	4.26
15	2.65	3.73	2.90	4.40	4.47	3.78	3.69	2.80	2.39	3.09	4.62	4.01
20	2.54	3.45	3.39	4.30	4.32	4.17	3.96	2.64	2.36	3.30	4.54	5.42
25	3.10	3.14	4.32	4.10	4.44	3.92	3.62	2.58	2.58	2.97	4.48	5.04
EOM	4.19	3.42	4.30	4.69	4.32	3.92	3.38	2.73	2.66	2.90	4.32	5.95
MEAN	2.89	3.73	3.41	4.40	4.45	4.00	3.82	2.87	2.56	2.87	3.82	4.65
MAX	4.19	4.31	4.34	4.75	4.65	4.34	4.14	3.31	2.81	3.34	4.63	5.99
MIN	2.47	3.09	2.86	3.97	4.22	3.59	3.38	2.53	2.30	2.29	2.74	3.86

WTR YR 1990 MEAN 3.61 MAX 5.99 SEP 29 MIN 2.29 JUL 7

WELL NUMBER.--270941080210301. Local Number M 933. USGS Observation Well near Palm City, FL.

LOCATION.--Lat 27°09'41", long 80°21'03", in NW¼NW¼ sec.21, T.38 S., R.40 E., Hydrologic Unit 03090202, on State Highway 714, and 6.2 mi west of Palm City.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 14.5 ft, cased to 13.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 23.48 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1957 to April 1979; May 1979 to current year (monthly). Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.50 ft NGVD, Sept. 24, 1960; lowest measured, 17.17 ft NGVD, Aug. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	0940	20.50	13...	1000	19.97
13...	1105	21.10	29...	1115	19.92
25...	0920	20.48	APR		
NOV			06...	1450	19.92
13...	0905	20.42	27...	1420	19.71
29...	0822	21.22	MAY		
DEC			03...	1030	19.57
13...	1015	20.32	09...	1000	19.49
29...	1200	20.61	25...	1543	19.37
JAN			JUN		
12...	1200	20.32	27...	1250	19.67
26...	1225	18.27	JUL		
FEB			24...	1715	20.12
15...	1100	20.18	AUG		
28...	0925	20.27	29...	1250	17.17
			SEP		
			25...	1330	22.30

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY

WELL NUMBER.--270943080145701. Local Number M 1146. USGS Observation Well near Stuart, FL.

LOCATION.--Lat 27°09'43", long 80°14'57", in Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, on State Road 76, approximately 0.25 mi north of Indian Avenue.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 110 ft, cased to 107 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.41 ft NGVD, Oct. 26, 1983; lowest measured, 0.50 ft NGVD, Jan. 26, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
23...	0925	2.40	02...	1000	0.79
NOV			31...	1330	0.73
27...	0910	1.45	JUN		
DEC			06...	0845	1.59
19...	--	2.16	25...	0920	1.09
JAN			JUL		
25...	1000	0.67	23...	1000	1.78
FEB			AUG		
12...	0930	2.50	27...	--	2.48
22...	1015	2.48	SEP		
MAR			25...	1145	4.25
26...	1245	1.08			
APR					
26...	1100	1.90			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

361

MARTIN COUNTY

WELL NUMBER.--270943080145702. Local Number M 1147. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°09'43", long 80°14'57", in Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, on State Road 76, approximately 0.25 mi north of Indian Avenue.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 146 ft, cased to 143 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.61 ft NGVD, Oct. 26, 1983; lowest measured, 0.15 ft NGVD, Feb. 14, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
23...	0930	3.18	02...	1015	1.72
NOV			31...	1340	1.52
27...	0910	2.74	JUN		
DEC			06...	0850	1.78
19...	1258	2.13	25...	0930	1.63
JAN			JUL		
25...	1000	2.03	23...	1015	1.84
FEB			AUG		
22...	1030	2.19	28...	1245	2.61
MAR			SEP		
26...	1300	1.71	25...	1200	4.27
APR					
26...	1115	2.07			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY

WELL NUMBER.--270952080135201 Local Number M 1141. USGS Observation Well near Stuart, Fl.

LOCATION.--Lat 27°09'52", long 80°13'52", in SW¼SW¼ sec.15, T.38 S., R.41 E., Hydrologic Unit 03090202, 0.25 mi west of Junction of U.S. Highway 1 and Indian Avenue near Stuart, Fl.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation test, water-table well, diameter 4 in., depth 109 ft.

INSTRUMENTATION.--Digital water level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 16.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 2.37 ft above land-surface datum.

REMARKS.--Well is part of a water level monitoring network for the Stuart peninsula.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.20 ft NGVD, Nov. 25, 1987; lowest, 3.08 ft NGVD, July 15, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.50	8.31	6.84	5.99	6.88	6.17	5.30	4.42	4.28	4.06	4.68	5.67
10	7.43	7.91	6.67	6.71	6.69	5.26	5.75	4.24	3.40	4.08	4.88	6.00
15	7.46	7.69	6.51	6.77	6.58	6.02	5.44	4.11	4.01	3.08	5.19	6.15
20	7.41	7.51	6.46	6.48	6.41	5.90	5.18	3.68	3.83	4.14	5.53	7.18
25	7.45	7.26	7.00	5.64	5.74	5.59	4.60	4.33	3.15	4.40	5.39	7.84
EOM	8.34	7.04	6.80	6.86	6.17	5.09	5.27	4.33	4.23	4.32	5.22	10.39
MEAN	7.48	7.69	6.76	6.44	6.45	5.86	5.32	4.24	3.96	4.20	5.12	6.72
MAX	8.34	8.38	7.01	6.86	7.02	6.23	5.88	5.35	4.35	4.68	5.58	10.39
MIN	6.56	6.94	6.46	5.46	5.65	5.03	4.52	3.67	3.14	3.08	4.36	5.18
WTR YR 1990	MEAN	5.85	MAX	10.39	SEP 30	MIN	3.08	JUL 15				

WELL NUMBER.--270952080135202. Local Number M 1183. USGS Observation Well near Stuart, Fl.

LOCATION.--Lat 27°09'52", long 80°13'52", in SW¼SW¼ sec.15, T.38 S., R.41 E., Hydrologic Unit 03090202, 0.25 mi west of Junction of U.S. Highway 1 and Indian Avenue near Stuart, FL.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 21.0 ft.

INSTRUMENTATION.--Digital water level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 16.00 ft above National Geodetic Vertical Datum, of 1929. Measuring point: Top of shelter base, 3.10 ft above land-surface datum.

REMARKS.--Well is part of a water level monitoring network for the Stuart peninsula.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.40 ft NGVD, Nov. 25-27, 1988; lowest, 4.25 ft NGVD, June 25, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.95	8.73	7.31	6.87	7.32	6.48	5.83	5.41	4.58	4.86	5.10	6.12
10	7.85	8.46	7.12	7.06	7.03	6.31	5.75	5.24	4.44	4.84	5.31	6.51
15	7.87	8.25	6.97	7.18	6.90	6.28	5.63	5.10	4.52	4.54	5.75	6.66
20	7.81	7.99	6.82	6.86	6.73	6.14	5.60	4.90	4.40	4.52	5.97	7.64
25	7.85	7.77	7.28	6.63	6.64	6.03	5.57	4.75	4.25	4.89	5.95	8.54
EOM	8.75	7.54	7.11	7.23	6.57	5.89	5.61	4.70	4.72	4.80	5.80	10.80
MEAN	7.98	8.19	7.15	6.94	6.94	6.22	5.67	5.08	4.50	4.77	5.58	7.25
MAX	8.75	8.81	7.49	7.23	7.41	6.57	5.92	5.66	4.72	4.95	5.97	10.80
MIN	7.64	7.54	6.82	6.52	6.57	5.89	5.44	4.70	4.25	4.50	4.83	5.71
WTR YR 1990	MEAN	6.35	MAX	10.80	SEP 30	MIN	4.25	JUN 25				

MARTIN COUNTY

WELL NUMBER.--271007080142101. Local Number M 1179. USGS Observation Well near Stuart, FL.

LOCATION.--Lat 27°10'07", long 80°14'21", in SE¼SE¼ sec.16, T.38 S., R.41 E., Hydrologic Unit 03090202, 0.5 mi west on Indian Avenue from Junction of U.S. Highway 1 and 0.5 mi north on Astor Lane near Stuart, FL.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 20 ft.

INSTRUMENTATION.--Digital water level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 15.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.24 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 24 - Nov. 13, Mar. 1-14, and Apr. 6-27, 1990 water year.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 12.01 ft NGVD, July 5, 1986; lowest, 1.40 ft NGVD, July 21, 1990.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.75	5.46	4.39	3.86	3.79	3.49	3.09	2.78	2.24	1.71	1.74	2.49
10	4.65	5.26	4.17	3.75	3.83	3.34	3.04	2.71	2.03	1.62	1.82	2.81
15	4.68	5.04	4.03	3.53	3.80	3.21	2.99	2.59	1.95	1.57	1.95	2.98
20	4.61	4.88	3.92	3.44	3.79	3.26	2.94	2.45	1.81	1.44	2.26	3.74
25	4.90	4.70	3.99	3.36	3.63	3.20	2.88	2.36	1.86	1.62	2.40	4.83
EOM	5.66	4.54	3.92	3.59	3.71	3.07	2.91	2.30	1.67	1.65	2.47	6.86
MEAN	4.84	5.06	4.10	3.60	3.74	3.29	2.99	2.56	1.97	1.58	2.05	3.58
MAX	5.70	5.62	4.46	3.93	3.83	3.69	3.14	2.91	2.30	1.72	2.50	6.86
MIN	4.54	4.54	3.92	3.33	3.60	3.07	2.85	2.30	1.67	1.40	1.58	2.45
WTR YR 1990	MEAN	3.28	MAX	6.86	SEP 30	MIN	1.40	JUL 21				

WELL NUMBER.--271010080122201. Local Number M 1132. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°10'10", long 80°12'22", in NE¼ of Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, on St. Lucie Boulevard, 0.25 mi southeast of Indian Avenue and 1.1 mi east of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 104 ft, cased to 103 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.56 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.28 ft NGVD, Mar. 30, 1983; lowest measured, 0.40 ft below NGVD, Aug. 28, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
23...	1430	1.19	02...	1330	1.04
NOV			31...	1100	0.88
27...	1250	1.46	JUN		
DEC			06...	1215	0.88
19...	0945	0.79	25...	1235	0.88
JAN			JUL		
24...	1615	0.02	23...	1230	0.80
FEB			AUG		
12...	1015	1.54	27...	1020	1.54
23...	1245	1.34	SEP		
MAR			24...	1245	2.60
26...	0900	1.11			
APR					
25...	1330	1.19			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY

WELL NUMBER.--271017080123501. Local Number M 1165. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°10'17", long 80°12'35", in NE¼ of Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, one block south of Indian Avenue, approximately 1.2 mi east of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 106 ft, cased to 103 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, 0.70 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.71 ft NGVD, Sept. 28, 1984; lowest measured, 0.92 ft NGVD, June 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
23...	1415	2.10	02...	1315	1.72
NOV			31...	1110	1.62
27...	1235	2.44	JUN		
DEC			06...	1200	1.53
19...	1024	1.54	25...	1225	1.46
JAN			JUL		
24...	1300	2.03	23...	1230	1.99
FEB			AUG		
12...	1045	2.53	27...	1035	2.53
21...	1110	2.16	SEP		
MAR			24...	1300	3.95
26...	0845	1.98			
APR					
25...	1320	1.93			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

365

MARTIN COUNTY

WELL NUMBER.--271018080125101. Local Number M 1055. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°10'18", long 80°12'51", in NE¼NE¼ of Hanson Grant, T.38 S., R.41 E., Hydrologic Unit 03090202, approximately 0.5 mi north of Indian Avenue and 1.0 mi east of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 91 ft, cased to 86 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.20 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--February 1975 to April 1981, intermittently. May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.59 ft NGVD, Sept. 28, 1988; lowest measured, 2.52 ft NGVD, June 26, 1981 and June 10, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
23...	1400	4.70	02...	1300	4.23
NOV			31...	1120	4.05
27...	1220	4.98	JUN		
DEC			06...	1145	3.95
19...	1114	4.95	25...	1210	3.79
JAN			JUL		
24...	1600	4.65	18...	1215	4.36
FEB			23...	1215	4.05
20...	0850	4.93	AUG		
MAR			28...	1045	5.15
26...	0915	4.70	SEP		
APR			24...	1330	6.67
25...	1350	4.40			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY

WELL NUMBER.--271109080125501. Local Number M 1010. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'09", long 80°12'55", in NW¼SE¼NE¼ sec.11, T.38 S., R.41 E., Hydrologic Unit 03090202, approximately 0.25 mi south and 2.3 mi east of the intersection of State Road 76 and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 126 ft, cased to 126 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--October 1973 to April 1981, intermittently. May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.81 ft NGVD, Sept. 28, 1984; lowest measured, 1.44 ft NGVD, June 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
24...	1715	4.98	02...	1230	1.85
NOV			31...	1150	1.97
27...	1200	5.12	JUN		
DEC			06...	1115	1.94
19...	1606	4.87	25...	1145	1.79
JAN			JUL		
24...	1345	4.67	23...	1200	2.01
FEB			AUG		
20...	1025	4.70	27...	1105	3.03
MAR			SEP		
26...	0945	2.29	24...	1400	4.52
APR					
25...	1420	2.03			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

367

MARTIN COUNTY

WELL NUMBER.--271123080135101. Local Number M 1091. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'23", long 80°13'51", in SW¼SE¼SW¼ sec.3, T.38 S., R.41 E., Hydrologic Unit 03090202, across from St. Michaels School on 10th Street at Trinity Street, 1.3 mi east of the intersection of U.S. Highway 1 and State Road 76 (Colorado Avenue).

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 123 ft, cased to 118 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.18 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--April 1976 to April 1981, intermittently. May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.25 ft NGVD, Sept. 28, 1984; lowest measured, 0.10 ft below NGVD, June 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
23...	1250	1.76	02...	1130	1.08
NOV			31...	1250	1.53
27...	1025	1.69	JUN		
DEC			06...	1000	1.53
19...	1515	1.88	25...	1045	1.14
JAN			JUL		
24...	1500	1.63	23...	1110	1.31
FEB			AUG		
20...	1115	1.78	27...	1200	1.89
MAR			SEP		
26...	1115	1.51	24...	1500	3.56
APR					
25...	1000	1.46			

MARTIN COUNTY

WELL NUMBER.--271010080141201. Local Number M 147. USGS Observation Well near Stuart, FL.

LOCATION.--Lat 27°11'23", long 80°14'12", in NW¼NW¼ sec.10, T.38 S., R.41 E., Hydrologic Unit 03090202, 0.5 mi south of East 4th Street on Palm Beach Road, 0.8 mi east of U.S. Highway 1, and 2.0 mi southeast of Stuart.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 74 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 13.64 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.70 ft above land-surface datum.

REMARKS.--Water levels estimated May 26 - June 28, 1990 water year.

PERIOD OF RECORD.--January 1952 to current year. Records of water levels prior to August 1952 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.10 ft NGVD, Oct. 18, 1953; lowest, 7.95 ft below NGVD, June 13, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.34	2.49	1.55	1.21	1.26	1.59	1.45	.05	-0.45	-0.31	.21	.86
10	1.53	1.93	1.41	1.29	1.66	1.15	.97	-0.29	-0.40	-0.75	.09	1.19
15	1.36	1.41	1.83	1.21	1.73	.99	.96	-0.16	-0.35	-0.16	.66	1.34
20	1.16	1.79	1.25	1.11	1.48	1.28	.46	-0.34	-0.35	-0.12	.75	1.47
25	1.29	1.53	1.54	1.17	1.39	1.78	.68	-0.30	-0.50	-0.12	.99	2.53
EOM	2.07	1.68	1.62	1.08	1.32	.62	.39	-0.50	-0.28	-0.18	1.24	4.18
MEAN	1.44	1.76	1.41	1.19	1.54	1.25	.81	-0.22	-0.38	-0.24	.56	1.62
MAX	2.40	2.76	1.87	1.77	2.12	1.78	1.45	.33	-0.25	.34	1.29	4.18
MIN	.13	.92	.60	.13	1.26	.62	.39	-0.65	-0.55	-0.75	-0.02	.75
WTR YR 1990 MEAN	.89		MAX	4.18	SEP 30	MIN	-0.75		JUL 10			

WELL NUMBER.--271127080144701. Local Number M 1090. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'27", long 80°14'47", in SE¼SE¼SW¼ sec.4, T.38 S., R.41 E., Hydrologic Unit 03090202, in the south corner of Martin Luther King Park, 0.5 mi east of the intersection of U.S. Highway 1 and State Road 76.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 128 ft, cased to 123 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, 0.10 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--April 1976 to April 1981, intermittently. May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.53 ft NGVD, Apr. 5, 1982; lowest measured, 1.32 ft NGVD, June 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
23...	1225	2.65	02...	1045	1.76
NOV			31...	1300	1.93
27...	0950	2.80	JUN		
DEC			06...	1015	1.96
19...	1446	1.61	25...	1025	1.64
JAN			JUL		
24...	1515	2.02	23...	1100	3.29
FEB			AUG		
21...	1340	2.26	27...	1215	3.51
MAR			SEP		
26...	1145	2.23	24...	1600	4.94
APR			25...	1015	4.87
25...	1030	1.91			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

369

MARTIN COUNTY

WELL NUMBER.--271148080141201. Local Number M 1011. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'48", long 80°14'12", in NW¼NW¼SW¼ sec.3, T.38 S., R.41 E., Hydrologic Unit 03090202, south of State Road A1A, approximately 0.5 mi north and 1.0 mi east of the intersection of State Road 76 and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 128 ft, cased to 126 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.11 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--October 1973 to April 1981, intermittently. May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.79 ft NGVD, Sept. 28, 1984; lowest measured, 1.83 ft below NGVD, May 29, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
23...	1305	1.88	02...	1145	1.08
NOV			31...	1235	1.38
27...	1050	2.09	JUN		
DEC			06...	1030	1.43
19...	1406	1.83	25...	1100	1.26
JAN			JUL		
24...	1430	1.53	23...	1115	2.07
FEB			AUG		
21...	1240	1.75	27...	1145	2.46
MAR			SEP		
26...	1200	1.61	24...	1450	4.02
APR					
25...	1115	1.43			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARTIN COUNTY

WELL NUMBER.--271156080141201. Local Number M 1158. USGS Observation Well at Stuart, FL.

LOCATION.--Lat 27°11'56", long 80°14'12", in SE~~1~~SE~~1~~NE~~1~~ sec.4, T.38 S., R.41 E., Hydrologic Unit 03090202, approximately 1.4 mi north of the intersection of Palm Beach Road and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 2 in., depth 128 ft, cased to 125 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.24 ft NGVD, Sept. 28, 1984; lowest measured, 0.77 ft NGVD, June 26, 1981 and Feb. 15, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
23...	1320	1.54	02...	1200	1.00
NOV			31...	1220	1.29
27...	1105	1.58	JUN		
DEC			06...	1050	1.29
19...	1338	1.53	25...	1115	1.17
JAN			JUL		
24...	1400	1.18	23...	1130	1.48
FEB			AUG		
21...	1200	1.32	27...	1130	1.79
MAR			SEP		
26...	1215	1.40	24...	1430	3.45
APR					
25...	1145	1.30			

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
MARTIN COUNTY

371

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
265725080141801	M -1234	26 57 25 N	080 14 18 W	09-24-90	16.22
265726080142001	M -1231	26 57 26 N	080 14 20 W	10-26-89	16.42
265845080090101	M -1229	26 58 45 N	080 09 01 W	10-23-89 09-24-90	3.55 4.20
265845080090102	M -1232			10-23-89 09-24-90	4.37 5.12
265903080340801	M -1046	26 59 03 N	080 34 08 W	05-08-90	19.44
265906080071601	M -1230	26 59 06 N	080 07 16 W	10-24-89	3.48
265906080071602	M -1233			10-24-89	1.59
265915080290001	M -1085	26 59 15 N	080 29 00 W	10-24-89 05-07-90	22.51 24.44
265920080163901	M -1083	26 59 20 N	080 16 39 W	10-26-89 09-26-90	21.85 21.66
265920080163902	M -1096			10-26-89	21.65
265937080341902	M -1086	26 59 37 N	080 34 19 W	10-24-89 05-08-90 09-26-90	22.43 18.09 22.88
265938080342001	M -1088	26 59 38 N	080 34 20 W	10-24-89 05-08-90 09-26-90	21.91 18.07 22.93
270002080063201	M -1071	27 00 02 N	080 06 32 W	10-24-89 05-07-90 09-25-90	1.86 1.37 1.47
270002080063202	M -1072			10-24-89 05-07-90 09-25-90	1.87 1.37 1.48
270004080121101	M -1272	27 00 04 N	080 12 11 W	05-07-90	10.35
270028080064301	M -1093	27 00 28 N	080 06 43 W	10-24-89 05-07-90	2.56 1.68
270028080265403	M -1243	27 00 28 N	080 26 54 W	10-24-89 05-07-90	21.90 19.57
270117080070301	M -1073	27 01 17 N	080 07 03 W	10-24-89 05-07-90	3.76 3.03
270124080280201	M -1048	27 01 24 N	080 28 02 W	10-25-89	30.84
270124080280202				02-15-90 09-26-90	27.40 29.63
270151080330201	M -1252	27 01 51 N	080 33 02 W	10-25-89 09-27-90	20.54 20.99
270151080330202	M -1262			10-25-89	20.41
270210080235502	M -1244	27 02 10 N	080 23 55 W	10-24-89 05-08-90	15.28 12.72
270210080235503	M -1245			10-24-89 05-08-90 09-26-90	15.46 12.89 15.49
270220080222001	M -1081	27 02 20 N	080 22 20 W	10-24-89 05-07-90	15.14 12.90
270237080094901	M -1259	27 02 37 N	080 09 49 W	10-24-89 05-07-90	10.70 10.39

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
270237080094902	M -1260			10-24-89	10.73
				05-07-90	10.39
270238080135201	M -1235	27 02 38 N	080 13 52 W	10-24-89	11.23
				05-07-90	0.72
				09-24-90	13.31
270238080135202	M -1270			05-07-90	11.16
				09-24-90	14.57
270320080073302	M -1258			10-24-89	1.20
				05-07-90	1.03
				09-24-90	1.25
270331080182201	M -1049	27 03 31 N	080 18 22 W	10-24-89	20.85
				05-07-90	18.96
270331080182202	M -1239			10-24-89	20.46
				05-07-90	15.29
270401080255101	M -1263	27 04 01 N	080 25 51 W	10-25-89	22.74
				05-14-90	23.69
270427080260101	M -1237	27 04 27 N	080 26 01 W	10-25-89	21.74
				05-14-90	23.34
270429080190901	M -1236	27 04 29 N	080 19 09 W	10-24-89	18.60
				05-08-90	12.05
				09-26-90	18.85
270429080190902	M -1273			05-08-90	19.79
				09-26-90	20.15
270441080332402	M -1066	27 04 41 N	080 33 24 W	10-25-89	29.79
270500080122501	M -1271	27 05 00 N	080 12 25 W	05-07-90	6.25
270507080285501	M -1079	27 05 07 N	080 28 55 W	10-25-89	25.57
				05-09-90	22.79
270543080084701	M -1057	27 05 43 N	080 08 47 W	10-24-89	3.08
				03-01-90	3.23
				05-14-90	2.68
				07-19-90	2.93
				09-24-90	4.21
270609080163401	M -1261	27 06 09 N	080 16 34 W	10-24-89	9.71
				05-08-90	9.47
270612080211101	M -1278	27 06 12 N	080 21 11 W	05-08-90	24.80
270618080103001	M -1269	27 06 18 N	080 10 30 W	05-07-90	10.04
270624080212001	M -1276	27 06 24 N	080 21 20 W	05-08-90	20.80
270624080212002	M -1277			05-08-90	24.35
270632080210701	M -1279	27 06 32 N	080 21 07 W	05-08-90	19.00
270650080260101	M -1238	27 06 50 N	080 26 01 W	05-11-90	23.46
				09-26-90	23.86
270651080260701	M -1264	27 06 51 N	080 26 07 W	10-25-89	22.50
				05-14-90	21.20
				09-26-90	22.90
270720080140201	M -1253	27 07 20 N	080 14 02 W	10-23-89	12.00
				10-24-89	12.34
				05-08-90	13.84
				09-25-90	12.19
270720080140202	M -1257			10-23-89	12.77
				10-24-89	12.94
				05-08-90	11.48
				09-25-90	12.08

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
MARTIN COUNTY--Continued

373

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
270720080190601	M -1274	27 07 20 N	080 19 06 W	05-08-90	16.81
270720080312001	M -1249	27 07 20 N	080 31 20 W	10-25-89 05-09-90	41.38 39.04
270720080312002	M -1250			10-25-89 05-09-90	41.69 38.96
270750080380301	M -1251	27 07 50 N	080 38 03 W	10-25-89 05-09-90 09-27-90	27.65 24.32 27.77
270750080380302	M -1265			10-25-89 05-09-90 09-27-90	28.54 24.71 28.51
270820080111901	M -1052	27 08 20 N	080 11 19 W	10-23-89 10-24-89	3.55 3.76
				03-02-90 05-14-90 07-19-90 09-24-90	4.45 3.75 4.20 5.79
270845080144301	M -1140	27 08 45 N	080 14 43 W	10-23-89 02-23-90 05-10-90	6.54 6.33 5.20
				07-18-90	4.76
270845080144302	M -1197			10-23-89 02-23-90 05-11-90 07-18-90	8.32 8.19 6.64 5.99
270859080133201	M -1199	27 08 59 N	080 13 32 W	10-23-89 02-26-90 05-11-90 07-18-90	11.71 11.92 10.47 9.65
270913080284901	M -1255	27 09 13 N	080 28 49 W	10-25-89 05-09-90	24.31 24.86
270930080144801	M -1196	27 09 30 N	080 14 48 W	10-23-89 02-23-90 05-11-90 07-18-90	4.25 3.74 2.66 2.13
270931080403801	M -1041	27 09 31 N	080 40 38 W	10-25-89 05-09-90	24.14 21.73
270937080132501	M -1198	27 09 37 N	080 13 25 W	10-23-89 02-26-90 05-11-90 07-18-90	10.16 9.58 8.40 7.20
270938080142501	M -1195	27 09 38 N	080 14 25 W	10-23-89 02-23-90 05-11-90 07-18-90	5.80 4.77 3.67 2.73
270939080170301	M -1275	27 09 39 N	080 17 03 W	05-08-90	6.34
270942080250401	M -1037	27 09 42 N	080 25 04 W	10-25-89 05-09-90	25.56 22.59
270943080145703	M -1148			10-23-89 02-22-90 05-11-90 07-18-90	3.34 2.70 1.94 1.47
270948080153201	M -1266	27 09 48 N	080 15 32 W	05-08-90	0.63

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
270948080153202	M -1267			05-08-90	0.70
				09-25-90	11.29
270949080135801	M -1144	27 09 49 N	080 13 58 W	10-23-89	5.95
				02-22-90	4.92
				05-11-90	5.56
				07-18-90	2.92
270949080140001	M -1145	27 09 49 N	080 14 00 W	10-23-89	4.34
				02-22-90	-6.02
				05-11-90	-7.10
				07-18-90	6.67
270951080135601	M -1143	27 09 51 N	080 13 56 W	10-23-89	6.17
				02-22-90	5.16
				07-18-90	3.09
270951080135602	M -1142			10-23-89	4.16
				02-22-90	3.10
				07-18-90	1.16
270951080335501	M -1042	27 09 51 N	080 33 55 W	10-25-89	32.50
				05-09-90	29.62
270959080141301	M -1206	27 09 59 N	080 14 13 W	10-23-89	4.18
				02-22-90	2.89
				05-11-90	9.39
				07-18-90	0.79
271001080141301	M -1205	27 10 01 N	080 14 13 W	10-23-89	3.57
				02-22-90	1.75
				05-11-90	0.70
				07-18-90	-0.9
271005080142101	M -1184	27 10 05 N	080 14 21 W	10-23-89	4.49
				02-23-90	3.54
				05-10-90	2.51
				07-18-90	1.31
271005080142102	M -1185			10-23-89	4.53
				02-23-90	3.52
				05-10-90	2.49
271005080142102	M -1185	27 10 05 N	080 14 21 W	07-18-90	1.37
271007080131002	M -1135	27 10 07 N	080 13 10 W	10-23-89	10.31
				02-20-90	10.46
				07-18-90	8.54
271007080134701	M -1194	27 10 07 N	080 13 47 W	10-23-89	8.80
				03-01-90	8.13
				05-10-90	7.16
				07-18-90	6.26

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
MARTIN COUNTY--Continued

375

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
271010080141301	M -1151	27 10 10 N	080 14 13 W	10-23-89	10.16
				02-21-90	4.78
				05-11-90	2.98
				07-18-90	1.97
271010080141302	M -1167			10-23-89	4.89
				02-21-90	-1.82
				05-10-90	3.20
				07-18-90	2.10
271010080142301	M -1152	27 10 10 N	080 14 23 W	10-23-89	5.30
				02-21-90	4.76
				05-10-90	3.56
				07-18-90	2.56
271018080125102	M -1056			10-23-89	4.78
				02-26-90	5.07
				05-10-90	1.48
				07-18-90	4.22
271018080125103	M -1164			10-23-89	4.86
				02-20-90	9.88
				05-10-90	4.37
				07-18-90	5.98
271018080141301	M -1225	27 10 18 N	080 14 13 W	10-23-89	2.53
271023080121001	M -1163	27 10 23 N	080 12 10 W	10-23-89	0.99
				02-20-90	0.98
				05-10-90	0.60
				07-18-90	0.70
271030080141901	M -1154	27 10 30 N	080 14 19 W	10-23-89	5.17
				02-22-90	4.74
				05-10-90	3.58
				07-18-90	3.12
271030080142601	M -1153	27 10 30 N	080 14 26 W	10-23-89	5.36
				02-21-90	5.53
				05-10-90	3.93
				07-18-90	3.08
271030080142602	M -1166			10-23-89	1.94
				02-21-90	1.63
				05-10-90	0.43
				07-18-90	-0.36
271032080135301	M -1193	27 10 32 N	080 13 53 W	10-23-89	7.33
				02-21-90	7.00
				05-11-90	6.12
				07-18-90	5.49
271050080122301	M -1162	27 10 50 N	080 12 23 W	10-23-89	1.63
				02-20-90	1.67
				05-10-90	0.84
				07-18-90	0.92
271109080125502	M -1161			10-24-89	3.09
				02-20-90	2.79
				05-11-90	1.74
				07-18-90	1.94
				09-24-90	4.50
271114080152701	M -1168	27 11 14 N	080 15 27 W	10-23-89	1.36
				02-22-90	1.05
				05-11-90	0.72
				07-18-90	0.90

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
271123080135102	M -1156			10-23-89	1.90
				02-20-90	1.67
				05-11-90	1.32
				07-18-90	1.50
271127080144702	M -1150			10-23-89	2.80
				02-21-90	5.39
				05-10-90	1.94
				07-18-90	2.59
271148080141202	M -1157			10-23-89	2.51
				02-21-90	2.17
				05-10-90	1.59
				07-18-90	1.82
271150080164201	M -1256	27 11 50 N	080 16 42 W	10-26-89	4.08
271202080132501	M -1159	27 12 02 N	080 13 25 W	10-23-89	3.20
271215080200802	M -1247	27 12 15 N	080 20 08 W	10-25-89	11.92
				05-08-90	8.63
				09-25-90	12.91
271217080232801	M -1248	27 12 17 N	080 23 28 W	10-25-89	22.86
				05-09-90	17.87
271217080285301	M -1240	27 12 17 N	080 28 53 W	10-26-89	21.87
				09-25-90	21.84
271315080132601	M -1043	27 13 15 N	080 13 26 W	10-23-89	2.70
				03-02-90	3.00
				05-11-90	2.32
271444080141101	M -1254	27 14 44 N	080 14 11 W	10-23-89	4.36
				09-26-90	6.69

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
MARTIN COUNTY

377

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
265822080052403	M -1039	26 58 22 N	080 05 24 W	10-23-89	26700	9400
				11-27-89	26000	9300
				12-21-89	23500	9600
				01-23-90	20700	9500
				02-27-90	20600	9100
				03-12-90	28000	9300
				03-27-90	28500	11000
				04-05-90	29500	9700
				04-26-90	29000	10000
				05-03-90	27400	10000
				06-01-90	27500	9900
				06-26-90	32400	9300
				07-23-90	28000	10000
				08-28-90	28500	9300
				09-25-90	31600	10000
270002080063201	M -1071	27 00 02 N	080 06 32 W	09-25-90	493	32
270002080063202	M -1072			09-25-90	465	32
270012080060101	M -1070	27 00 12 N	080 06 01 W	10-24-89	18700	6400
				11-24-89	18000	6000
				12-21-89	18000	6700
				01-23-90	20000	6800
				02-27-90	20000	6500
				03-12-90	20000	6500
				03-27-90	20000	6000
				04-05-90	20500	6800
				04-26-90	19000	6300
				05-02-90	19300	7000
				06-01-90	20200	7200
				06-26-90	15600	4400
				07-23-90	20500	7000
				08-27-90	22300	6800
				09-25-90	24500	7600
270042080061401	M -1095	27 00 42 N	080 06 14 W	10-24-89	1480	360
				11-24-89	1540	380
				12-21-89	1520	500
				01-23-90	2020	530
				02-12-90	1250	270
				02-27-90	1550	390
				03-12-90	1700	460
				03-27-90	1840	460
				04-05-90	1950	480
				04-26-90	1380	380
				05-02-90	1850	500
				06-01-90	2150	570
				06-26-90	3720	500
				07-23-90	2150	550
				08-27-90	2500	650
				09-25-90	2600	650
270210080235503	M -1245	27 02 10 N	080 23 55 W	09-26-90	820	55
270309080072201	M -1092	27 03 09 N	080 07 22 W	10-24-89	15000	4300
				11-24-89	15300	5200
				01-23-90	10400	4500
				02-27-90	14800	4800
				03-12-90	15400	4600
				03-27-90	15000	4800
				04-05-90	15000	5000
				04-25-90	14500	5000
				05-02-90	14100	5000
				06-01-90	14900	4800
				06-25-90	14300	4500
				07-23-90	14500	5000
				08-27-90	14500	4800
				09-24-90	14600	4400
270320080073301	M -1044	27 03 20 N	080 07 33 W	10-24-89	420	22
				11-24-89	450	20

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
270320080073301	M -1044	27 03 20 N	080 07 33 W	12-21-89	480	22
				01-23-90	520	66
				02-12-90	490	34
				02-27-90	460	28
				03-12-90	505	30
				03-27-90	462	22
				04-05-90	520	30
				04-25-90	450	34
				05-02-90	465	50
				06-01-90	450	24
				06-25-90	499	26
				07-23-90	362	26
				08-27-90	435	30
				09-24-90	450	34
270543080084701	M -1057	27 05 43 N	080 08 47 W	10-24-89	312	22
				03-01-90	325	20
				05-14-90	330	20
				07-19-90	340	35
				09-24-90	376	34
270820080111901	M -1052	27 08 20 N	080 11 19 W	10-24-89	960	110
				03-02-90	900	100
				05-14-90	960	110
				07-19-90	900	150
				09-24-90	980	100
270943080145701	M -1146	27 09 43 N	080 14 57 W	10-23-89	500	24
				11-27-89	492	26
				12-19-89	450	24
				01-25-90	470	42
				02-12-90	500	28
				02-22-90	480	20
				03-26-90	480	26
				04-26-90	505	32
				05-02-90	480	26
				05-31-90	510	30
				06-06-90	520	30
				06-25-90		
				06-25-90	480	20
				07-23-90	485	30
				08-27-90	495	30
				09-25-90	500	28
270943080145702	M -1147			10-23-89	690	73
				11-27-89	530	36
				12-19-89	420	30
				01-25-90	475	34
				02-22-90	470	22
				03-26-90	495	26
				04-26-90	500	24
				05-02-90	480	28
				05-31-90	500	30
				06-06-90	535	32
				06-25-90	406	30
				07-23-90	410	28
				08-28-90	495	28
				09-25-90	500	30
271010080122201	M -1132	27 10 10 N	080 12 22 W	10-23-89	2400	620
				11-27-89	2350	580
				12-19-89	2000	510
				01-24-90	2430	650
				02-12-90	2500	650
				02-23-90	2300	600
				03-26-90	2350	580
				04-25-90	2540	650
				05-02-90	2680	750
				05-31-90	3080	760
				06-06-90	3120	790
				06-25-90	2900	800

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
MARTIN COUNTY--Continued

379

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
271010080122201	M -1132	27 10 10 N	080 12 22 W	07-23-90 08-27-90 09-24-90	2500 3180 3200	720 850 600
271017080123501	M -1165	27 10 17 N	080 12 35 W	10-23-89 11-27-89 12-19-89 01-24-90 02-12-90 02-21-90 03-26-90 04-25-90 05-02-90 05-31-90 06-06-90 06-25-90 07-23-90 08-27-90 09-24-90	570 580 520 500 515 530 530 515 530 535 560 272 290 443 520	34 38 36 60 65 34 40 36 40 40 36 48 40 70 30
271018080125101	M -1055	27 10 18 N	080 12 51 W	10-23-89 11-27-89 12-19-89 01-24-90 02-20-90 03-26-90 04-25-90 05-02-90 05-31-90 06-06-90 06-25-90 07-23-90 08-28-90 09-24-90	600 560 375 550 570 580 560 550 580 610 585 454 500 500	40 36 42 50 40 38 20 33 40 44 44 36 40 38
271109080125501	M -1010	27 11 09 N	080 12 55 W	10-24-89 11-27-89 12-19-89 01-24-90 02-20-90 03-26-90 04-25-90 05-02-90 05-31-90 06-06-90 06-25-90 07-23-90 08-27-90 09-24-90	590 580 540 570 570 545 590 565 600 630 533 463 480 600	32 45 38 36 36 32 30 33 32 32 32 30 20 37
271123080135101	M -1091	27 11 23 N	080 13 51 W	10-23-89 11-27-89 12-19-89 01-24-90 02-20-90 03-26-90 04-25-90 05-02-90 05-31-90 06-06-90 06-25-90 07-23-90 08-27-90 09-24-90	560 560 520 550 560 560 565 535 560 615 463 465 560 575	24 22 22 26 24 22 24 20 24 24 24 20 24 25
271127080144701	M -1090	27 11 27 N	080 14 47 W	10-23-89 11-27-89 12-19-89 01-24-90 02-21-90	478 472 425 470 450	18 20 16 22 20

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
MARTIN COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
271127080144701	M -1090	27 11 27 N	080 14 47 W	03-26-90	470	20
				04-25-90	465	20
				05-02-90	460	20
				05-31-90	450	20
				06-06-90	500	20
				06-25-90	449	20
				07-23-90	340	16
				08-27-90	465	20
				09-25-90	500	20
271148080141201	M -1011	27 11 48 N	080 14 12 W	10-23-89	500	18
				11-27-89	500	16
				12-19-89	460	22
				01-24-90	480	26
				02-21-90	495	24
				03-26-90	490	20
				04-25-90	490	20
				05-02-90	475	25
				05-31-90	500	20
				06-06-90	540	20
				06-25-90	385	20
				07-23-90	98	4.0
				08-27-90	495	8.0
				09-24-90	500	18
271156080141201	M -1158	27 11 56 N	080 14 12 W	10-23-89	388	20
				11-27-89	385	20
				12-19-89	355	22
				01-24-90	325	28
				02-21-90	440	20
				03-26-90	445	20
				04-25-90	440	16
				05-02-90	295	24
				05-31-90	370	22
				06-06-90	480	20
				06-25-90	344	20
				07-23-90	328	20
				08-27-90	275	24
				09-24-90	375	22
271315080132601	M -1043	27 13 15 N	080 13 26 W	03-02-90	190	20
				05-11-90	390	60
271444080141101	M -1254	27 14 44 N	080 14 11 W	09-26-90	625	35
271444080141102	M -1268			09-26-90	170	28

WATER RESOURCES DATA FOR FLORIDA, 1990
VOLUME 2B: SOUTH FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 11
PALM BEACH COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	261950080074301	PB 1063	384
2	262114080054001	PB 491	384
3	262114080064502	PB 1455	385
2	262117080055001	PB 490	386
2	262120080053201	PB 492	387
4	262130080055401	PB 567	388
5	262218080070101	PB 732	389
6	262253080051101	PB 1456	389
6	262313080044401	PB 1457	390
7	262317080074601	PB 1491	390
8	262424080044601	PB 1158	391
8	262335080042901	PB 895	391
8	262435080042902	PB 896	392
8	262435080042903	PB 947	392
8	262435080042904	PB 948	393
23	262435080043001	PB 1151	393
23	262435080043002	PB 1495	394
24	262435080043601	PB 1496	394
8	262436080042802	PB 1006	395
8	262442080044901	PB 1159	395
8	262453080044002	PB 1160	396
9	262534080085102	PB 900	396
10	263328080085201	PB 445	397
11	263524080124301	PB 683	397
12	263652080033801	PB 88	398
13	264005080233501	PB 99	398
14	264123080053801	PB 809	399
17	264230080120501	PB 561	399
18	264841080114901	PB 109	400
19	265106080241402	PB 831	400
25	265611080081201	PB 832	401
26	265759080052401	PB 595	401
27	265803080052502	PB 746	402
21	265812080053901	PB 565	402

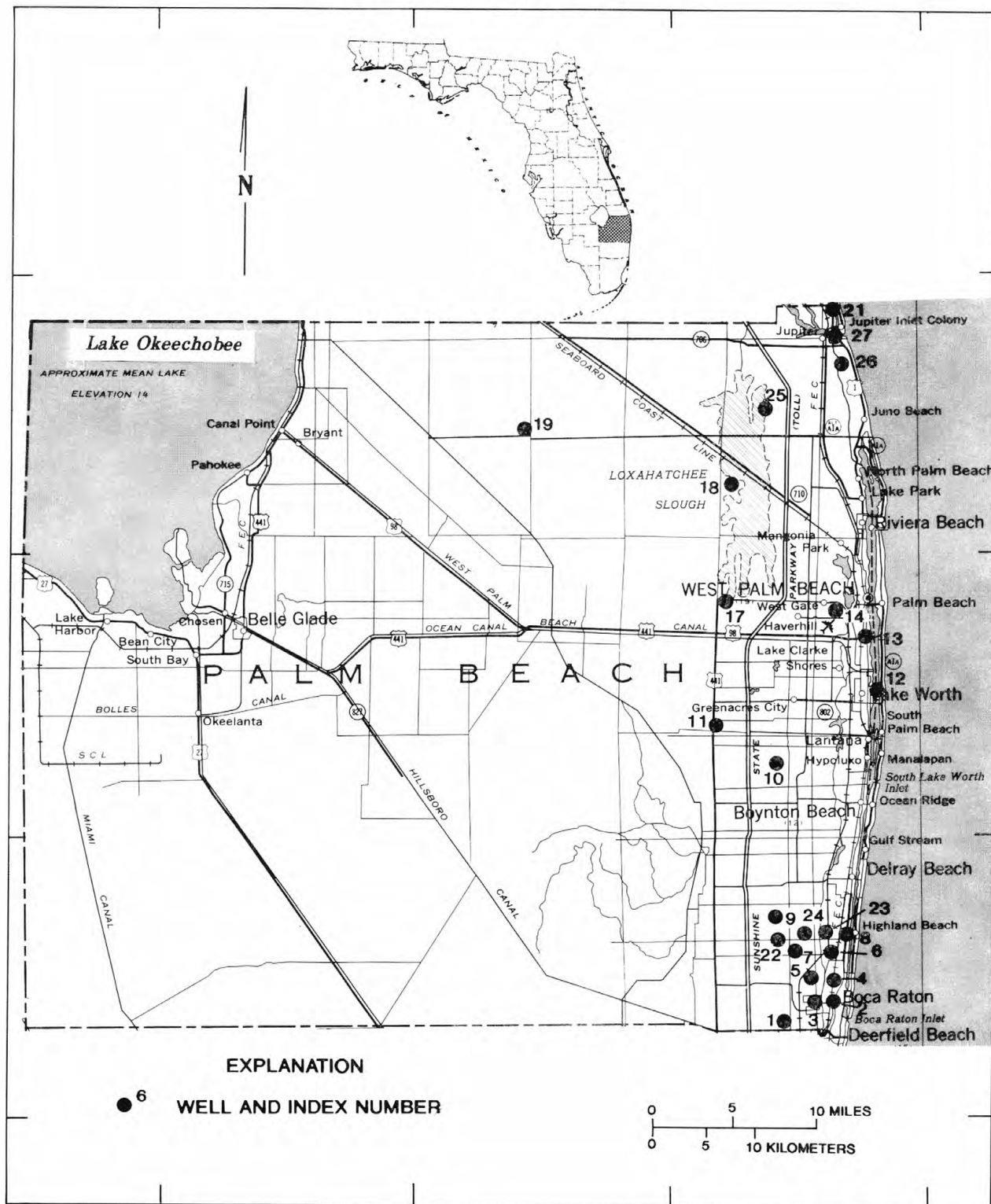


Figure 11: Location of wells in Palm Beach County.

PALM BEACH COUNTY

WELL NUMBER.--261950080074301. Local Number PB 1063. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°19'50", long 80°07'43", in NW¼SW¼NE¼ sec.35, T.47 S., R.42 E., Hydrologic Unit 03090202, 0.7 mi west and 1.3 mi south of the intersection of I-95 and Palmetto Park Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 134 ft, cased to 129 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, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1978 to September 1980, intermittently. October 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.03 ft NGVD, June 1, 1982; lowest measured, 5.93 ft NGVD, Feb. 20, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
26...	1322	7.28	06...	1230	6.13
DEC			26...	1550	6.71
01...	1124	6.44	MAY		
27...	1103	6.57	04...	1015	6.61
JAN			30...	1630	8.21
25...	0942	6.07	JUN		
FEB			28...	1125	7.72
20...	1506	5.93	JUL		
MAR			24...	1200	8.42
12...	1145	6.16	AUG		
30...	1115	6.01	28...	0833	8.32
			SEP		
			25...	1500	8.25

WELL NUMBER.--262114080054001. Local Number PB 491. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°21'14", long 80°05'40", in NE¼SE¼SW¼ sec.20, T.47 S., R.43 E., Hydrologic Unit 03090202, near the corner of NE 4th Avenue and NE 4th Street, 0.25 mi north and 0.4 mi east of the intersection of Palmetto Park Road and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation well, diameter 2 in., depth 207 ft, cased to 202 ft.

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, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1974 to October 1982, intermittently. November 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.54 ft NGVD, Nov. 13, 1987; lowest measured, 0.90 ft below NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
DEC			JUN		
01...	1000	3.87	27...	1435	4.97
27...	0945	3.39	JUL		
JAN			24...	1040	5.30
24...	1500	2.55	AUG		
MAR			27...	1400	4.54
30...	1020	2.77	SEP		
APR			26...	1145	3.84
26...	1500	3.19			
MAY					
30...	1050	4.81			

PALM BEACH COUNTY

WELL NUMBER.--262114080064502. Local Number PB 1455. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°21'14", long 80°06'45", in SW¼NW¼SE¼ sec.24, T.47 S., R.42 E., Hydrologic Unit 03090202, 0.3 mi north and 0.5 mi east of the intersection of Palmetto Park Road and I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 157 ft, cased to 152 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 9.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--January 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.69 ft NGVD, July 26, 1985; lowest measured, 2.63 ft NGVD, May 4, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
26...	1250	3.58	06...	1135	3.01
DEC			26...	1330	3.47
01...	1030	2.99	MAY		
27...	1015	2.82	04...	1030	2.63
JAN			30...	1130	4.91
25...	0855	2.85	JUN		
FEB			27...	1503	4.96
20...	1500	2.74	JUL		
MAR			24...	1130	5.08
12...	1120	2.91	AUG		
30...	1054	2.84	27...	1430	5.23
			SEP		
			26...	1230	4.76

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY

WELL NUMBER.--262117080055001. Local Number PB 490. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°21'17", long 80°05'50", in SE¼NE¼SW¼ sec.19, T.47 S., R.43 E., Hydrologic Unit 03090202, near the corner of NW 6th Avenue and NW 6th Street, 0.3 mi north and 0.65 mi west of the intersection of Palmetto Park Road and U.S. Highway 1.

AQUIFER.--Surifical aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation well, diameter 2 in., depth 127 ft, cased to 122 ft, screened 122 to 127 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 10.00 ft above National Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1974 to December 1981, intermittently. January 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.89 ft NGVD, Sept. 26, 1985; lowest measured, 0.43 ft NGVD, Feb. 20, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
26...	1023	1.64	06...	1125	1.04
DEC			26...	1432	1.26
01...	0930	1.21	MAY		
26...	1320	1.26	04...	1100	1.25
JAN			30...	1030	2.23
24...	1430	0.65	JUN		
FEB			27...	1410	2.48
20...	1351	0.43	JUL		
MAR			24...	1015	2.62
12...	1045	1.09	AUG		
29...	1414	0.91	27...	1335	2.36
			SEP		
			26...	1115	2.02

PALM BEACH COUNTY

WELL NUMBER.--262120080053201. Local Number PB 492. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°21'20", long 80°05'32", in SW¼NE¼SE¼ sec.19, T.47 S., R.43 E., Hydrologic Unit 03090202, at the corner of Diagonal Street and NW 6th Street, 0.4 mi north and 0.4 mi west of the intersection of Palmetto Park Road and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation well, diameter 2 in., depth 163 ft, cased to 161 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--May 1974 to February 1981, intermittently. March 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.44 ft NGVD, Sept. 26, 1985; lowest measured, 0.07 ft NGVD, May 7, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
26...	1038	1.81	06...	1115	0.54
DEC			26...	1447	1.02
01...	0940	1.72	MAY		
26...	1330	1.76	04...	1120	1.47
JAN			30...	1034	2.39
24...	1450	1.09	JUN		
FEB			27...	1415	3.13
20...	1403	0.64	JUL		
MAR			24...	1030	3.86
12...	1100	0.84	AUG		
29...	1430	0.52	27...	1345	3.32
			SEP		
			26...	1130	2.88

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY

WELL NUMBER.--262130080055401. Local Number PB 567. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°22'00", long 80°05'42" in SW¼SW¼NE¼ sec.18, T.47 S., R.43 E., Hydrologic Unit 03090202, on the east bank of El Rio Canal at NW 17th Street, 0.25 mi north of Glades Road and 1.5 mi east of I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation well, diameter 2 in., depth 92 ft, cased to 90 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 4.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.65 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft NGVD, July 26, 1985; lowest measured 0.63 ft Mar. 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
25...	1537	2.17	06...	1100	1.83
DEC			26...	1337	2.90
01...	0920	1.76	MAY		
26...	1300	2.41	04...	1230	2.99
JAN			30...	1015	3.90
24...	1406	1.85	JUN		
FEB			27...	1345	3.60
20...	1340	1.63	JUL		
MAR			24...	0955	4.21
12...	1009	1.71	AUG		
29...	1400	1.60	27...	1315	4.05
			SEP		
			26...	1055	3.76

PALM BEACH COUNTY

WELL NUMBER.--262218080070101. Local Number PB 732. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°22'18", long 80°07'01", in NE¼SW¼ sec.13, T.47 S., R.42 E., Hydrologic Unit 03090202, 800 ft north of Glades Road, and 1200 ft east of Military Trail in Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 100 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 10.38 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 10.43 ft NGVD. See PERIOD OF RECORD.

PERIOD OF RECORD.--March 1974 to current year. The figures of water levels as elevations, in feet NGVD prior to October 1988 are in error. Revised records are files of Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 9.46 ft NGVD, Oct. 6, 1974; lowest, 3.43 ft NGVD, May 6, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.14	4.84	4.26	4.37	4.43	4.43	4.38	6.01	6.71	7.65	7.69	7.50
10	5.07	4.73	4.20	4.44	4.37	4.44	4.74	5.97	6.51	7.14	7.42	7.20
15	5.09	4.62	4.17	4.47	4.34	4.37	5.50	5.86	6.25	7.91	7.48	6.95
20	4.97	4.49	4.13	4.49	4.29	4.39	5.91	5.63	6.06	8.17	8.70	6.73
25	4.91	4.34	4.26	4.48	4.41	4.39	5.83	6.39	7.90	7.71	8.65	6.99
EOM	4.92	4.25	4.29	4.45	4.41	4.36	6.24	7.13	7.61	7.76	7.90	7.81
MEAN	5.03	4.59	4.21	4.44	4.37	4.40	5.32	6.10	6.76	7.75	7.89	7.21
MAX	5.21	4.90	4.29	4.49	4.45	4.44	6.24	7.22	7.93	8.70	8.70	7.86
MIN	4.88	4.25	4.11	4.30	4.29	4.33	4.38	5.53	5.97	7.07	7.21	6.73

WTR YR 1990 MEAN 5.68 MAX 8.70 JUL 17 AND OTHERS MIN 4.11 DEC 22

WELL NUMBER.--262253080051101. Local Number PB 1456. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°22'53", long 80°05'11", in SW¼SW¼SW¼ sec.8, T.47 S., R.43 E., Hydrologic Unit 03090202, 0.7 mi west and 1.0 mi south of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 181 ft, cased to 175 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, .79 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--March 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.05 ft NGVD, Sept. 26, 1985; lowest measured, 2.27 ft NGVD, June 26, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1509	3.75	30...	0950	5.75
DEC			JUN		
01...	0852	3.97	27...	1320	6.25
26...	1140	4.03	JUL		
JAN			24...	0845	7.18
24...	1300	3.50	AUG		
FEB			27...	1215	7.42
20...	1231	3.14	SEP		
MAR			26...	1030	6.14
29...	1230	3.09			
APR					
26...	1215	4.89			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY

WELL NUMBER.--262313080044401. Local Number PB 1457. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°23'13", long 80°04'44", in SW¼SW¼NE¼ sec.8, T.47 S., R.43 E., Hydrologic Unit, 03090202, approximately 0.05 mi north and 0.1 mi west of the intersection of Spanish River Boulevard and U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS (revision).

WELL CHARACTERISTICS.--Drilled, observation, water-table well, depth 193 ft, screened 188 to 193 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 16.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.30 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.26 ft NGVD, Sept. 26, 1985; lowest measured, 2.24 ft NGVD, March 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1453	4.11	30...	0930	5.23
DEC			JUN		
01...	0834	4.27	27...	1303	5.75
26...	1125	3.97	JUL		
JAN			24...	0830	6.04
24...	1250	3.27	AUG		
FEB			27...	1200	6.27
20...	1215	2.89	SEP		
MAR			26...	1000	5.50
29...	1205	2.24			
APR					
26...	1145	4.51			

WELL NUMBER.--262317080074601. Local Number PB 1491. USGS Observation Well in Boca Raton, FL.

LOCATION.--Lat 26°23'17", long 80°07'46", in SE¼NE¼ 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 Northwest 51st Street (Yamato Road) at Boca Raton.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, test well, diameter 6 in., depth 138 ft, cased to 88 ft, screened 88 to 138 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 18.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.81 ft above land-surface datum.

PERIOD OF RECORD.--April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 10.01 ft NGVD, Aug. 20, 21, 1990; lowest, 3.04 ft below NGVD, Apr. 14, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.15	.02	-2.13	1.88	.21	1.39	1.85	5.32	5.95	8.07	9.25	9.01
10	2.21	-0.86	-0.39	.03	1.35	1.95	1.26	3.80	5.42	8.05	8.86	8.72
15	.90	-1.37	.13	.69	-0.63	.86	3.45	3.37	5.46	8.94	9.18	8.31
20	.58	-1.85	.54	.37	-0.06	1.84	4.55	2.97	5.18	9.82	10.01	7.90
25	1.70	-2.14	.76	1.50	1.58	1.74	4.14	3.94	7.19	9.42	9.98	5.90
EOB	2.33	.08	1.01	1.27	.17	2.00	4.06	6.80	7.76	9.11	9.70	6.13
MEAN	1.77	-0.76	-0.11	.97	.80	1.38	3.02	4.31	6.13	8.80	9.48	7.97
MAX	3.03	2.03	1.69	2.21	1.68	2.23	4.78	6.80	7.77	9.82	10.01	9.39
MIN	.22	-2.14	-2.31	-0.42	-0.70	.35	.75	2.70	4.91	7.68	8.81	5.58
WTR YR 1990	MEAN	3.67	MAX	10.01	AUG 20 AND OTHERS	MIN	-2.31	DEC	6			

PALM BEACH COUNTY

WELL NUMBER.--262424080044601. Local Number PB 1158. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'24", long 80°04'46", in SW¼NW¼NE¼ sec.5, T.47 S., R.43 E., Hydrologic Unit 03090202, approximately 0.2 mi west and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 2 in., depth 16.4 ft, cased to 11.4 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.69 ft above land-surface datum.

PERIOD OF RECORD.--January 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft NGVD, Sept. 24, 1985; lowest measured, 2.50 ft NGVD, May 25, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 25...	1224	3.90	APR 26...	1000	4.73
NOV 30...	1057	4.04	MAY 30...	0810	5.80
DEC 26...	1000	3.85	JUN 27...	1110	6.19
JAN 24...	1111	3.19	JUL 23...	--	6.90
FEB 20...	1059	2.63	AUG 27...	1040	7.15
MAR 29...	1031	2.57	SEP 24...	1237	6.31

WELL NUMBER.--262435080042901. Local Number PB 895. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'35", long 80°04'29", in SW¼SW¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 22 ft, cased to 17 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.17 ft above land-surface datum.

REMARKS.--Well is used for water level monitoring.

PERIOD OF RECORD.--May 1976 to April 1981, intermittent. May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.28 ft NGVD, Oct. 13, 1978; lowest measured, 1.03 ft NGVD Aug. 3, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 25...	1008	2.84	APR 26...	1021	3.19
NOV 30...	1145	3.09	MAY 30...	0827	4.02
DEC 26...	1015	2.73	JUN 28...	1150	3.93
JAN 24...	1131	2.04	JUL 23...	1115	3.92
FEB 20...	1112	1.76	AUG 27...	1100	4.34
MAR 29...	1050	2.14	SEP 26...	0900	3.99

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY

WELL NUMBER.--262435080042902. Local Number PB 896. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°24'35", long 80°04'29", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 85 ft, cased to 80 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 13.15 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.02 ft NGVD, Sept. 24, 1985; lowest measured, 0.01 ft below NGVD, Aug. 3, 1976.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
25...	1016	3.14	26...	1030	1.39
NOV			MAY		
30...	1145	3.26	30...	0830	3.94
DEC			JUN		
26...	1015	3.01	27...	1200	3.81
JAN			JUL		
24...	1132	2.32	23...	1130	4.12
FEB			AUG		
20...	1115	1.88	27...	1105	4.15
MAR			SEP		
29...	1050	2.31	26...	0900	4.10

WELL NUMBER.--262435080042903. Local Number PB 947. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°24'35", long 80°04'29", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 113 ft, cased to 87 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.50 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--November 1976 to current year. Records of water levels prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.95 ft NGVD, Sept. 24, 1985; lowest measured, 1.22 ft NGVD, Apr. 29, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
25...	1018	3.15	26...	1017	3.35
NOV			MAY		
30...	1142	3.20	30...	0835	3.89
DEC			JUN		
26...	1010	3.18	27...	1130	3.75
JAN			JUL		
24...	1130	2.22	23...	1045	4.09
FEB			AUG		
20...	1108	1.81	27...	1110	4.11
MAR			SEP		
29...	1046	2.26	26...	0848	4.07

PALM BEACH COUNTY

WELL NUMBER.--262435080042904. Local Number PB 948. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°24'35", long 80°04'29", in SW¼SE¼SE¼ in sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east and 1.0 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 175 ft, cased 170 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 12.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.08 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--November 1976 to current year. Records of water level prior to October 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.02 ft NGVD, Jan. 17, 1977; lowest measured, 0.38 ft NGVD, Feb. 20, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 25...	1021	1.83	APR 26...	1019	1.83
NOV 30...	1143	1.83	MAY 30...	0843	2.22
DEC 26...	1010	1.68	JUN 27...	1145	2.00
JAN 24...	1130	0.89	JUL 23...	1100	2.41
FEB 20...	1109	0.38	AUG 27...	1050	2.24
MAR 29...	1048	0.90	SEP 26...	0850	2.23

WELL NUMBER.--262435080043001. Local Number PB 1151. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°24'35", long 80°04'30", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, approximately 200 ft east of and 1.0 mi north of intersection of Yamato Road and U.S. 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 138 ft, cased to 133 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 14.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing at land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--April 1980 to April 1981, intermittent. May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.46 ft NGVD, June 27, 1988; lowest measured, 1.52 ft NGVD, Oct. 24, 1988.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 25...	1153	3.31	APR 26...	1100	3.72
NOV 30...	1113	3.41	MAY 30...	0900	4.31
DEC 26...	1055	3.17	JUN 27...	1200	4.27
JAN 24...	1235	2.48	JUL 23...	1145	4.68
FEB 20...	1144	2.06	AUG 27...	1130	4.73
MAR 29...	1130	2.45	SEP 26...	0930	4.64

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY

WELL NUMBER.--262435080043002. Local Number PB 1495. USGS Observation Well on U.S. Hwy 1 in Boca Raton, FL.

LOCATION.--Lat 26°24'35", long 80°04'30", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, on east side of U.S. Hwy 1 adjacent to Highland Beach Water Plant.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 23 ft, cased to 18 ft, slotted PVC .020 in. from 18 to 23 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 13.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.95 ft above land-surface datum.

PERIOD OF RECORD.--June 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 5.96 ft NGVD, Aug. 4, 6-7, 1990; lowest, 1.90 ft NGVD, June 3-5, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.44	3.16	3.10	2.70	2.23	2.15	2.27	3.62	4.18	4.76	5.94	4.99
10	3.39	3.02	2.96	2.60	2.19	2.13	2.75	3.88	3.85	4.20	5.47	4.87
15	3.39	2.88	2.87	2.51	2.16	2.05	3.60	3.64	3.67	5.02	5.42	4.79
20	3.22	2.72	2.78	2.41	2.04	2.27	3.92	3.40	3.48	5.04	5.18	5.07
25	3.17	2.63	2.95	2.28	2.23	2.22	3.67	4.24	4.79	4.55	5.20	4.82
EOM	3.31	3.27	2.70	2.30	2.23	2.22	3.99	4.46	4.56	4.70	5.31	5.23
MEAN	3.34	2.98	2.93	2.47	2.17	2.16	3.22	3.80	4.05	4.73	5.45	4.92
MAX	3.65	3.29	3.27	2.70	2.26	2.27	3.99	4.46	4.79	5.19	5.96	5.23
MIN	3.09	2.63	2.70	2.26	2.01	1.98	2.23	3.32	3.41	4.15	5.11	4.74

WTR YR 1990 MEAN 3.53 MAX 5.96 AUG 4 AND OTHERS MIN 1.98 MAR 18

WELL NUMBER.--262435080043601. Local Number PB 1496. USGS Observation Well at Boca Raton, FL.

LOCATION.--Lat 26°24'35", long 80°04'36", in SE¼SW¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, approximately 1.0 mi north of road intersection with Yamato Road on highway U.S. 1 in Boca Raton, FL.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

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 15.50 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing 0.5 ft below land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--December 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.96 ft NGVD, Dec. 31, 1986; lowest measured, 1.61 ft NGVD, May 1, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
30...	1415	3.00	26...	1120	3.45
NOV			MAY		
30...	1220	2.95	30...	0915	4.13
DEC			JUN		
26...	1106	2.68	27...	1216	4.13
JAN			JUL		
24...	1245	2.08	23...	1200	4.82
FEB			AUG		
20...	1157	1.63	27...	1145	4.82
MAR			SEP		
29...	1143	1.98	26...	0945	4.82

PALM BEACH COUNTY

WELL NUMBER.--262436080042802. Local Number PB 1006. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'36", long 80°04'28", in SW¼SE¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, 0.1 mi east of U.S. Highway 1 and 1.0 mi north of the intersection of Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 20 ft, cased to 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 8.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.44 ft NGVD, Oct. 4, 1984; lowest measured, 1.15 ft NGVD, Apr. 5, 1979.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 25...	1121	2.33	APR 26...	1009	2.37
NOV 30...	1135	2.41	MAY 30...	0817	3.12
DEC 26...	1000	2.19	JUN 27...	1125	2.86
JAN 24...	1120	1.93	JUL 23...	1040	3.16
FEB 20...	1105	1.26	SEP 24...	1245	3.04
MAR 29...	1039	1.73			

WELL NUMBER.--262442080044901. Local Number PB 1159. USGS Observation Well at Boca Raton, Fl.

LOCATION.--Lat 26°24'42", long 80°04'49", in NW¼SW¼SE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, approximately 0.25 mi west and 1.35 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Jettied, observation, water-table well, diameter 2 in., depth 17 ft, cased to 12 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 15.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--January 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.47 ft NGVD, Sept. 24, 1985; lowest measured, 1.69 ft NGVD, Feb. 24, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 25...	1243	3.31	APR 26...	0940	4.52
NOV 30...	1043	3.74	MAY 30...	0800	5.76
DEC 26...	0944	3.44	JUN 27...	1101	5.68
JAN 24...	1055	3.02	JUL 23...	1018	6.37
FEB 20...	1045	2.33	AUG 27...	1030	6.49
MAR 29...	1013	2.23	SEP 24...	1224	4.77

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY

WELL NUMBER.--262453080044001. Local Number PB 1160. USGS Observation Well located at Boca Raton, FL.

LOCATION.--Lat 26°24'53", long 80°04'40", in SW¼SE¼NE¼ sec.32, T.46 S., R.43 E., Hydrologic Unit 03090202, approximately 0.15 mi west and 1.7 mi north of the intersection of U.S. Highway 1 and Yamato Road.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 2 in., depth 22 ft, cased to 20 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.29 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum (correction).

PERIOD OF RECORD.--January 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.83 ft NGVD, July 26, 1988; lowest measured, 3.65 ft NGVD, Mar. 29, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 25...	1234	5.12	APR 26...	0946	5.79
NOV 30...	1050	5.14	MAY 30...	0805	6.41
DEC 26...	1000	4.71	JUN 27...	1105	6.28
JAN 24...	1104	4.23	JUL 23...	1030	7.29
FEB 20...	1053	3.87	AUG 27...	1033	7.32
MAR 29...	1020	3.65	SEP 24...	1231	7.06

WELL NUMBER.--262534080085102. Local Number PB 900. USGS Observation Well near Delray Beach, FL.

LOCATION.--Lat 26°25'34", long 80°08'51", in SW¼NW¼ sec.27, T.46 S., R.42 E., Hydrologic Unit 03090202, on Center Road, 1.5 mi south of Delray Road, 3.5 mi east of U.S. Highway 441, and 3.5 mi west of Delray Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 63.0 ft, cased to 63.0 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 19.51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of metal base, 2.80 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.44 ft NGVD, Apr. 25, 1979; lowest, 9.66 ft NGVD, Mar. 27, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.07	14.24	14.26	14.65	14.32	14.47	14.01	14.47	15.05	15.19	15.11	14.98
10	14.60	14.42	14.34	14.44	14.27	14.17	15.19	14.22	14.83	14.77	15.51	14.56
15	14.46	14.27	14.41	14.34	14.18	14.12	15.75	14.01	14.37	15.85	15.09	14.47
20	14.56	14.14	14.41	14.40	14.35	14.51	15.41	13.76	14.12	15.12	14.74	14.64
25	14.65	14.16	14.55	14.34	14.84	14.20	14.62	14.94	14.85	15.11	15.18	14.85
EOM	14.27	14.61	14.41	14.38	14.47	14.41	15.33	15.51	15.19	14.77	14.83	15.30
MEAN	14.39	14.32	14.41	14.42	14.38	14.24	14.90	14.46	14.80	15.20	15.09	14.77
MAX	14.85	14.64	14.76	14.65	14.93	14.55	15.81	15.73	15.69	15.89	15.76	15.63
MIN	14.00	14.11	14.23	14.25	14.14	14.07	13.93	13.74	14.06	14.65	14.64	14.43
WTR YR 1990	MEAN	14.62	MAX	15.89	JUL 14	MIN	13.74	MAY 23				

PALM BEACH COUNTY

WELL NUMBER.--263328080085201. Local Number PB 445. USGS Observation Well near Lantana, FL.

LOCATION.--Lat 26°33'28", long 80°08'52", in SE¼NW¼ sec.10, T.45 S., R.42 E., Hydrologic Unit 03090202, 2.2 mi west of State Highway 809, 2.3 mi south of Lantana Road, and 9.5 mi southwest of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 11.4 ft, cased to 11.4 ft.

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

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 20.20 ft above National Geodetic Vertical Datum of 1929. Prior to October 1975, land-surface datum was considered to be 19.00 ft NGVD. Measuring point: Top of casing, 2.60 ft above land-surface datum. See PERIOD OF RECORD.

REMARKS.--Water levels estimated Apr. 28 - June 26, 1990 water year.

PERIOD OF RECORD.--January 1964 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey. Published figures of water levels as elevation, in feet NGVD, prior to October 1975 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 20.24 ft NGVD, present datum, Oct. 31, 1965; lowest, 16.04 ft NGVD, present datum, May 12, 1967, Mar. 25-26, 1987.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.31	17.34	17.40	17.65	17.45	17.35	17.37	17.72	18.28	17.98	18.02	17.50
10	17.63	17.39	17.48	17.54	17.38	17.37	17.76	17.45	17.90	17.52	17.48	17.54
15	17.33	17.34	17.46	17.43	17.34	17.36	17.85	17.49	17.50	18.47	17.78	17.45
20	17.45	17.30	17.47	17.46	17.42	17.58	17.77	17.19	17.82	17.88	17.63	17.36
25	17.56	17.35	17.69	17.40	17.48	17.38	17.67	17.50	18.15	17.58	17.44	17.25
ECM	17.37	17.37	17.58	17.44	17.41	17.67	17.88	18.26	17.97	17.33	17.68	17.63
MEAN	17.41	17.38	17.52	17.51	17.42	17.40	17.69	17.60	17.98	17.85	17.73	17.48
MAX	17.64	17.56	17.90	17.66	17.66	17.67	17.93	18.26	18.51	18.63	18.28	17.70
MIN	17.27	17.26	17.35	17.37	17.31	17.32	17.36	17.10	17.40	17.33	17.32	17.18
WTR YR 1990	MEAN	17.58	MAX	18.63	JUL 2	MIN	17.10	MAY 23				

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 NW¼NW¼ sec.37, T.44 S., R.41 E., Hydrologic Unit 03090202, west of U.S. Highway 441, south of Lantana Road near Channel 5 T.V. tower, and 11 mi southwest of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 17 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

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 PERIOD OF RECORD.

REMARKS.--Water levels estimated Sept. 28-30, 1990 water year.

PERIOD OF RECORD.--October 1973 to May 1977; May 1979 to current year. The figures of water levels as elevation, in feet NGVD, prior to October 1989 are in error. Revised records are in the files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.52 ft NGVD (estimated), July 8, 1988; lowest, 3.61 ft NGVD, May 5-8, 1975, present datum.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.14	15.15	14.73	15.26	14.63	14.68	14.93	15.19	16.55	16.81	17.68	17.16
10	15.35	14.97	14.71	15.22	14.51	14.50	15.02	15.07	16.15	16.39	17.66	16.64
15	15.47	14.84	14.67	15.03	14.43	14.29	15.04	15.03	15.91	17.43	17.79	16.42
20	15.19	14.75	14.66	14.87	14.36	14.39	15.52	14.69	16.10	17.18	17.60	17.27
25	15.44	14.68	15.41	14.79	14.83	14.31	15.27	15.94	16.37	17.27	17.79	17.14
ECM	15.28	14.86	15.25	14.69	14.79	14.52	15.57	17.12	16.32	17.07	17.24	16.75
MEAN	15.29	14.90	14.90	14.99	14.57	14.43	15.21	15.36	16.29	16.97	17.58	16.89
MAX	15.54	15.23	15.41	15.30	14.83	14.75	15.72	17.12	17.18	17.58	17.83	17.34
MIN	15.02	14.68	14.66	14.67	14.36	14.21	14.80	14.59	15.67	16.18	16.93	16.26
WTR YR 1990	MEAN	15.62	MAX	17.83	AUG 14	MIN	14.21	MAR 18 AND OTHERS				

PALM BEACH COUNTY

WELL.--263652080033801. Local Number PB 88. USGS Observation Well in Lake Worth, FL.

LOCATION.--Lat 26°36'52", long 80°03'38, in NE¼NE¼ sec.28, T.44 S., R.43 E., Hydrologic Unit 03090202, at south-west corner of South F Street and First Avenue in Lake Worth, and 2.0 mi south of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 17 ft, cased to 16 ft, gravel-packed 12 to 17 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.44 ft above National Geodetic Vertical Datum 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Water levels estimated Oct. 10-13 and May 10-12, 1990 water year.

PERIOD OF RECORD.--January 1944 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.47 ft NGVD, Oct. 5, 1948; lowest, 2.02 ft NGVD, June 28-30, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.23	3.37	3.01	3.00	2.93	2.56	2.21	2.40	3.26	5.03	4.39	5.23
10	3.20	3.40	2.97	3.10	2.86	2.52	2.25	3.60	3.35	4.52	4.51	4.92
15	3.13	3.37	2.91	3.13	2.77	2.47	2.43	2.71	3.34	5.24	4.72	4.71
20	2.87	3.26	2.83	3.11	2.70	2.43	2.49	2.48	3.23	5.21	4.85	4.53
25	3.01	3.12	2.85	3.05	2.64	2.37	2.48	2.42	5.04	5.05	6.87	4.39
EOM	3.26	3.03	2.98	2.99	2.61	2.28	2.44	3.01	5.02	4.45	5.62	4.39
MEAN	3.15	3.28	2.92	3.06	2.79	2.46	2.37	2.65	3.77	4.94	5.02	4.77
MAX	3.60	3.40	3.03	3.13	2.98	2.60	2.50	3.60	5.61	5.68	7.05	5.54
MIN	2.83	3.03	2.79	2.99	2.61	2.28	2.17	2.37	3.09	4.45	4.38	4.30
WTR YR 1990	MEAN	3.44	MAX	7.05	AUG 24	MIN	2.17	APR 8				

WELL NUMBER.--264005080233501. Local Number PB 99. USGS Observation Well at West Palm Beach, FL.

LOCATION.--Lat 26°40'14", long 80°03'35", in SW¼NE¼ 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 14 to 18 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.43 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 2.20 ft above land-surface datum.

REMARKS.--Water levels estimated May 28 - June 8, 25, 29, 30, July 1, 4-8, 15, 16, 19-31, Aug. 5-8, Aug. 15 - Sept. 24, 1990 water year.

PERIOD OF RECORD.--July 1948 to current year. Records of water levels prior to January 1957 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 14.06 ft NGVD, Oct. 6, 1948; lowest, 5.01 ft NGVD, March 23, 1972.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.91	7.38	7.05	7.09	6.65	6.40	6.17	6.24	7.45	8.22	8.55	8.50
10	6.89	7.24	6.93	7.09	6.60	6.35	6.15	6.15	7.30	8.09	8.74	8.39
15	6.99	7.14	6.81	6.99	6.52	6.29	6.15	6.19	7.17	8.10	9.01	8.23
20	7.00	6.95	6.76	6.90	6.45	6.27	6.29	6.12	7.03	8.35	8.93	8.13
25	7.28	6.87	7.11	6.85	6.50	6.24	6.28	6.34	7.30	8.55	8.84	7.98
EOM	7.39	7.08	7.14	6.71	6.51	6.18	6.28	7.55	7.65	8.65	8.64	8.52
MEAN	7.04	7.14	6.97	6.96	6.56	6.30	6.23	6.40	7.33	8.30	8.78	8.28
MAX	7.40	7.42	7.14	7.14	6.70	6.49	6.29	7.55	7.73	8.75	9.03	8.61
MIN	6.86	6.87	6.75	6.71	6.41	6.18	6.14	6.09	6.97	7.60	8.52	7.95
WTR YR 1990	MEAN	7.19	MAX	9.03	AUG 14	MIN	6.09	MAY 23				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

399

PALM BEACH COUNTY

WELL NUMBER.--264123080053801. Local Number PB 809. USGS Observation Well at West Palm Beach, FL.

LOCATION.--Lat 26°41'23", long 80°05'38", in NW¼NE¼ sec.31, T.43 S., R.43 E., Hydrologic Unit 03090202, near water plant tank and 8th Street in West Palm Beach, 1 mi north of State Highway 98, and 2.5 mi west of U.S. Highway 1.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 4 in., depth 150 ft, cased to 145 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.65 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 2.00 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 13.80 ft NGVD, Oct. 23, 1983; lowest, 4.83 ft NGVD, May 5, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.90	10.56	9.75	10.17	9.67	9.58	9.24	9.31	11.32	11.89	11.30	10.51
10	10.24	10.36	9.70	10.12	9.58	9.43	9.21	9.28	10.78	11.27	10.91	10.33
15	10.45	10.13	9.64	9.98	9.50	9.33	9.42	9.21	10.47	12.66	11.64	10.30
20	10.29	9.99	9.85	9.89	9.43	9.32	9.37	9.12	10.36	11.87	11.07	11.28
25	10.87	9.95	10.37	9.84	9.77	9.20	9.40	9.52	11.10	11.36	10.74	11.10
EOM	10.76	9.91	10.14	9.76	9.67	9.27	9.40	11.19	11.67	10.94	10.51	11.80
MEAN	10.36	10.20	9.90	9.97	9.60	9.36	9.34	9.54	10.96	11.73	11.08	10.76
MAX	10.93	10.71	10.39	10.20	9.77	9.64	9.46	11.19	12.26	12.76	11.81	11.98
MIN	9.83	9.86	9.63	9.76	9.40	9.13	9.10	9.06	10.22	10.94	10.51	10.21
WTR YR 1990	MEAN	10.24	MAX	12.76	JUL 14	MIN	9.06	MAY 23				

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 NW¼NW¼ sec.30, T.43 S., R.42 E., Hydrologic Unit 03090202, near intersection of Okeechobee Road and State Highway 441, 12.5 mi west of West Palm Beach.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 6 in., depth 11.3 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

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.--Water levels estimated July 13-25, 1990 water year.

PERIOD OF RECORD.--October 1970 to April 1977; May 1979 to current year. Records of water levels prior to October 1973, are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 17.93 ft NGVD, Nov. 5, 1971; lowest, 10.94 ft NGVD, Mar. 1, 1989.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.49	12.47	12.26	13.06	12.67	12.12	11.67	12.12	13.25	12.61	13.80	15.41
10	12.38	12.51	12.24	13.17	12.58	12.02	11.87	11.98	13.01	13.53	13.66	15.25
15	12.43	12.47	12.24	13.09	12.49	11.93	12.33	12.04	12.71	14.40	15.02	15.09
20	12.43	12.37	12.22	12.95	12.37	11.83	12.37	11.99	12.42	14.43	14.78	15.75
25	12.33	12.27	12.89	12.86	12.26	11.76	12.32	11.88	12.29	14.37	15.00	15.69
EOM	12.35	12.23	13.07	12.76	12.20	11.68	12.22	13.29	12.37	14.07	15.42	16.47
MEAN	12.42	12.39	12.44	13.00	12.48	11.92	12.09	12.20	12.74	13.84	14.50	15.48
MAX	12.61	12.52	13.07	13.17	12.74	12.18	12.37	13.29	13.31	14.50	15.43	16.47
MIN	12.32	12.23	12.22	12.76	12.20	11.68	11.63	11.88	12.29	12.37	13.62	14.98
WTR YR 1990	MEAN	12.96	MAX	16.47	SEP 29 AND OTHERS	MIN	11.63	APR 8				

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY

WELL NUMBER.--264841080114901. Local Number PB 109. USGS Observation Well near Lake Park, FL.

LOCATION.--Lat 26°48'41", long 80°11'49", in SW¼SW¼ sec.18, T.42 S., R.42 E., Hydrologic Unit 03090202, on north side of Northlake Boulevard, 2.7 mi west of Bee Line Highway, and 7.3 mi west of Lake Park.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 6 in., depth 14 ft, cased to 9 ft, gravel-packed 8 to 14 ft.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 17.85 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.80 ft above land-surface datum.

REMARKS.--Water levels estimated Dec. 24 - Jan. 8, Feb. 8-13, Mar. 9 - June 3, June 16-26, and Aug. 5-30, 1990 water year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.73 ft NGVD, Oct. 9, 1953; lowest, 14.64 ft NGVD, May 14, 1971.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.13	16.69	15.79	16.38	15.79	15.55	15.08	15.36	15.52	16.25	16.17	16.22
10	17.15	16.31	16.13	16.59	16.25	15.35	15.30	15.16	15.31	16.12	16.51	16.62
15	17.01	16.01	15.90	16.57	15.81	16.15	15.80	14.96	15.03	16.09	16.36	16.16
20	16.83	15.77	16.04	16.42	15.71	15.75	15.47	14.76	15.22	16.43	16.21	17.60
25	17.33	15.72	16.76	16.27	15.95	15.50	15.48	14.86	15.25	16.51	16.06	16.98
EOM	16.76	16.16	16.53	15.99	15.72	15.40	15.56	15.32	15.70	16.18	15.78	17.94
MEAN	16.81	16.15	16.16	16.42	15.88	15.63	15.44	15.07	15.31	16.28	16.22	16.72
MAX	17.57	17.00	16.80	16.75	16.25	16.15	15.90	15.52	15.87	16.63	16.60	18.01
MIN	15.99	15.64	15.68	15.99	15.59	15.30	15.00	14.70	15.02	15.59	15.78	15.55
WTR YR 1990	MEAN	16.01	MAX	18.01	SEP 29	MIN	14.70	MAY 23				

WELL NUMBER.--265106080241402. Local Number PB 831. USGS Observation Well near Loxahatchee, FL.

LOCATION.--Lat 26°51'06", long 80°24'14", in SE¼NW¼ sec.2, T.42 S., R.39 E., Hydrologic Unit 03090202, in Corbett Wildlife Management Area, 12.0 mi north of Pump Station 5 A, and 13.5 mi north of Loxahatchee.

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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is about 23.47 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum. Prior to October 1988, land-surface datum was considered to be 22.00 ft NGVD. See PERIOD OF RECORD.

PERIOD OF RECORD.--November 1974 to current year. The figures of water levels as elevations in feet NGVD. Prior to October 1988 are in error. Revised records are in files of the Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.83 ft NGVD, Aug. 26, 1990; lowest, 17.17 ft NGVD, May 26, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.11	22.07	21.98	22.24	21.28	21.95	21.31	20.59	21.73	21.31	21.81	22.51
10	22.70	21.86	22.18	21.92	21.11	21.46	21.38	20.84	21.29	21.03	22.19	22.17
15	22.68	21.56	21.94	21.76	21.42	21.09	21.32	20.39	20.85	21.40	22.44	21.88
20	22.65	21.37	22.26	21.59	21.56	21.90	20.87	20.06	20.48	21.25	22.57	22.15
25	22.46	21.27	22.44	21.59	21.68	21.52	20.97	19.97	21.02	22.18	22.71	21.69
EOM	22.19	22.29	22.18	21.43	21.61	21.49	21.09	21.54	20.53	21.94	22.65	22.41
MEAN	22.45	21.71	22.16	21.78	21.43	21.58	21.13	20.48	21.09	21.50	22.40	22.17
MAX	22.70	22.31	22.55	22.24	21.71	22.10	21.57	21.54	21.85	22.31	22.83	22.72
MIN	22.02	21.23	21.85	21.41	21.11	21.05	20.68	19.92	20.48	20.58	21.75	21.69
WTR YR 1990	MEAN	21.66	MAX	22.83	AUG 26	MIN	19.92	MAY 23				

PALM BEACH COUNTY

WELL NUMBER.--265611080081201. Local Number PB 832. USGS Observation Well at Jupiter, FL.

LOCATION.--Lat 26°56'11", long 80°08'12", in NE¼SE¼NW¼ sec.3, T.41 S., R.42 E., Hydrologic Unit 03090202, approximately .3 mi north and 1.0 mi east of intersection of S.R. 706 and I-95.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 153 ft, cased to 141 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 11.00 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing 2.72 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--September 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.81 ft NGVD, Oct. 23, 1974; lowest measured, 2.02 ft below NGVD, Feb. 12, 1990.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			APR		
01...	0945	-0.07	06...	0930	0.14
27...	1045	-1.33	26...	1430	-0.48
DEC			MAY		
21...	1145	-0.63	03...	1130	-0.6
JAN			JUN		
23...	0915	-0.88	01...	1415	-1.18
FEB			26...	1215	-1.58
12...	1010	-2.02	JUL		
27...	1430	0.75	24...	1045	-1.81
MAR			AUG		
27...	1220	0.59	28...	1130	-1.57
			SEP		
			24...	1025	-1.05

WELL NUMBER.--265759080052401. Local Number PB 595. USGS Observation Well at Tequesta, FL.

LOCATION.--Lat 26°57'59", long 80°05'24", in NE¼SW¼NW¼ sec.30, T.40 S., R.43 E., Hydrologic Unit 03090202, approximately .5 mi west and .2 mi south of U.S. 1 and Martin County line in Tequesta, FL.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Drilled, observation well, diameter 2 in., depth 115 ft, cased to 114 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 18.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.40 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.09 ft NGVD, May 15, 1981; lowest measured, 0.07 ft below NGVD, June 20, 1985.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			APR		
01...	0920	1.04	06...	0905	0.95
27...	1015	0.44	26...	1415	0.85
DEC			MAY		
21...	1110	0.99	03...	1145	0.61
JAN			JUN		
23...	1030	0.13	01...	1345	1.00
FEB			26...	1245	0.83
12...	0945	0.36	JUL		
27...	1345	0.43	24...	1015	1.03
MAR			AUG		
27...	1200	0.69	28...	1100	1.46
			SEP		
			25...	1030	1.31

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

PALM BEACH COUNTY

WELL NUMBER.--265803080052502. Local Number PB 746. USGS Observation Well at Tequesta, FL.

LOCATION.--Lat 26°58'03", long 80°05'25", in NE~~SW~~NE~~SE~~ sec.30, T.40 S., R.43 E., Hydrologic Unit 03090202, approximately .5 mi west and .2 mi south of U.S. Highway 1 at Martin County line in Tequesta, FL.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Driven, observation, water-table well, diameter 1½ in., depth 83 ft, cased to 82 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 1.83 ft above land-surface datum.

REMARKS.--Well is used for salinity monitoring.

PERIOD OF RECORD.--June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.32 ft NGVD, Nov. 13, 1978; lowest measured, 0.06 ft below NGVD, Dec. 30, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
DEC			MAY		
21...	--	1.64	03...	1200	1.77
JAN			JUN		
23...	1100	1.41	01...	1330	2.13
FEB			26...	1300	2.01
12...	0930	1.56	JUL		
27...	1330	1.58	23...	1615	2.23
MAR			AUG		
27...	1130	1.86	28...	1045	2.63
APR			SEP		
06...	0900	2.14	25...	1040	2.44
26...	1345	2.01			

WELL NUMBER.--265812080053901. Local Number PB 565. USGS Observation Well at Tequesta, FL.

LOCATION.--Lat 26°58'12", long 80°05'39", in NE~~SW~~NE~~SE~~ 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 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.

INSTRUMENTATION.--Digital water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 14.00 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.24 ft above land-surface datum.

PERIOD OF RECORD.--October 1970 to current year. Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.39 ft NGVD, Dec. 12, 1978; lowest, 0.23 ft NGVD, Feb. 22, 1976.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.11	1.68	1.10	1.57	1.26	1.24	1.91	1.46	2.05	1.90	1.88	2.22
10	.93	1.69	.81	1.17	.92	1.33	1.97	1.18	1.92	1.97	1.90	2.13
15	1.13	1.52	.88	1.05	.89	1.16	1.77	1.08	1.84	2.20	2.43	1.99
20	1.23	1.15	1.15	1.13	.84	1.17	1.74	1.05	1.72	2.48	2.42	1.96
25	1.08	.90	1.60	1.04	1.19	1.25	1.75	.92	1.48	2.34	2.61	2.06
EOM	1.55	.92	1.71	1.09	1.30	1.59	1.84	1.63	1.86	2.25	2.51	3.12
MEAN	1.15	1.35	1.17	1.21	1.04	1.24	1.82	1.19	1.80	2.16	2.28	2.18
MAX	1.55	1.74	1.72	1.71	1.30	1.59	2.05	1.69	2.05	2.48	2.64	3.12
MIN	.93	.81	.77	.91	.84	1.03	1.65	.92	1.43	1.78	1.78	1.83
WTR YR 1990	MEAN	1.55	MAX	3.12	SEP 30	MIN	.77	DEC 12				

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
PALM BEACH COUNTY

403

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
261938080100802	PB -1617	26 19 38 N	080 10 08 W	10-23-89 05-07-90	6.94 7.29
261938080101001	PB -1105	26 19 38 N	080 10 10 W	10-23-89 05-07-90 09-25-90	8.14 8.48 8.89
261950080078302	PB -1618	26 19 50 N	080 07 38 W	10-26-89 02-21-90 05-07-90 07-18-90	8.67 7.85 8.39 9.96
262007080045801	PB - 502	26 20 07 N	080 04 58 W	10-26-89 02-21-90 05-07-90 07-18-90	3.14 2.15 2.89 5.21
262018080063801	PB - 752	26 20 18 N	080 06 38 W	10-26-89 02-21-90 05-07-90 07-18-90	3.54 1.94 2.45 6.10
262026080050001	PB - 454R	26 20 26 N	080 05 00 W	10-26-89 02-22-90 05-07-90 07-18-90	2.77 2.81 2.84 2.84
262037080055801	PB - 543	26 20 37 N	080 05 58 W	11-07-89 02-21-90 05-07-90 07-18-90	3.33 1.07 1.81 3.33
262038080071501	PB -1077	26 20 38 N	080 07 15 W	10-26-89 02-21-90 05-07-90 07-18-90	6.37 4.86 5.56 8.83
262045080052401	PB - 465	26 20 45 N	080 05 24 W	10-26-89 02-21-90 05-07-90 07-18-90	2.75 1.42 2.33 5.39
262057080044801	PB - 462	26 20 57 N	080 04 48 W	10-26-89 02-21-90 05-07-90 07-18-90	2.74 1.63 2.58 4.44
262057080074901	PB -1076	26 20 57 N	080 07 49 W	10-26-89 02-21-90 05-07-90 07-18-90	7.58 7.08 1417 10.53
262102080054701	PB - 450	26 21 02 N	080 05 47 W	10-26-89 02-21-90 05-07-90 07-18-90	1.89 0.79 1.67 3.57
262108080071501	PB - 754	26 21 08 N	080 07 15 W	10-26-89 02-21-90 05-07-90 07-18-90	2.94 1.80 2.87 6.37
262114080054002	PB - 500	26 21 14 N	080 05 40 W	10-26-89 02-21-90 05-07-90 07-18-90	3.11 2.00 3.98 3.53
262114080064501	PB - 753	26 21 14 N	080 06 45 W	10-26-89 02-21-90 05-07-90 07-18-90	2.35 1.72 2.40 4.71

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
262117080055002	PB - 498			10-26-89	1.53
				02-21-90	0.47
				05-07-90	1.32
				07-18-90	2.80
262129080044801	PB - 460	26 21 29 N	080 04 48 W	10-26-89	1.77
				02-21-90	1.45
				05-07-90	2.59
				07-18-90	4.59
262132080053401	PB - 449	26 21 32 N	080 05 34 W	10-26-89	1.79
				02-21-90	0.61
				05-07-90	1.74
				07-18-90	3.94
262144080052801	PB -1454	26 21 44 N	080 05 28 W	10-26-89	1.91
				02-21-90	0.93
				05-07-90	2.25
				07-18-90	4.58
262147080101601	PB -1581	26 21 47 N	080 10 16 W	10-31-89	12.61
262149080055801	PB -1075	26 21 49 N	080 05 58 W	10-26-89	2.46
				02-21-90	1.78
				05-07-90	2.68
				07-18-90	3.82
262200080050701	PB - 494	26 22 00 N	080 05 07 W	02-21-90	2.88
				05-07-90	3.38
				07-18-90	5.45
262202080052001	PB - 470	26 22 02 N	080 05 20 W	11-07-89	6.80
				02-21-90	6.28
				05-07-90	7.51
				07-18-90	12.72
262204080102301	PB -1620	26 22 04 N	080 10 23 W	10-23-89	14.84
				05-07-90	14.51
262218080070102	PB -1619			02-21-90	4.29
262225080055001	PB - 540R	26 22 25 N	080 05 50 W	10-26-89	2.83
				02-21-90	2.66
				05-07-90	4.16
				07-18-90	6.21
262226080051201	PB - 466R	26 22 26 N	080 05 12 W	10-25-89	3.26
262247080044001	PB - 458	26 22 47 N	080 04 40 W	10-25-89	4.32
				02-21-90	2.70
				05-07-90	4.37
				07-18-90	5.90
262251080052801	PB - 447	26 22 51 N	080 05 28 W	10-25-89	2.83
				02-21-90	2.75
				05-07-90	4.40
				07-18-90	6.72
262255080055301	PB - 541	26 22 55 N	080 05 53 W	10-25-89	3.36
				02-21-90	3.04
				05-07-90	4.48
				07-18-90	6.56
262258080062901	PB -1074	26 22 58 N	080 06 29 W	10-26-89	5.07
				02-21-90	4.32
				05-07-90	5.55
				07-18-90	8.09
262310080050101	PB - 457	26 23 07 N	080 05 27 W	10-25-89	4.46
				02-21-90	3.48
				05-07-90	5.69
				07-18-90	9.81

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
PALM BEACH COUNTY--Continued

405

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
262311080071801	PB -1079	26 23 11 N	080 07 18 W	10-26-89	8.43
				02-21-90	6.30
				05-07-90	8.67
				07-18-90	10.72
262316080045301	PB -1453	26 23 16 N	080 04 53 W	10-25-89	4.90
				02-21-90	3.62
				05-07-90	5.63
				07-18-90	7.97
262342080050901	PB -1451	26 23 42 N	080 05 09 W	05-07-90	5.82
				07-18-90	7.78
262342080083401	PB -1492	26 23 42 N	080 08 34 W	11-07-89	13.67
				02-21-90	14.02
				05-07-90	14.16
				07-18-90	15.96
262346080065001	PB -1493	26 23 46 N	080 06 50 W	10-26-89	6.07
				02-21-90	5.06
				05-07-90	6.20
				07-18-90	7.93
262352080043901	PB -1452	26 23 52 N	080 04 39 W	10-25-89	3.27
				02-21-90	2.20
				05-07-90	3.50
				07-18-90	4.88
262403080141301	PB -1108	26 24 03 N	080 14 13 W	10-23-89	14.28
				05-08-90	12.50
				09-25-90	14.44
262403080141302	PB -1630			10-23-89	14.62
				05-08-90	12.34
262410080090801	PB -1661	26 24 10 N	080 09 08 W	09-25-90	15.43
262415080074501	PB -1660	26 24 15 N	080 07 45 W	09-24-90	14.66
262436080042801	PB - 897	26 24 36 N	080 04 28 W	10-25-89	2.35
				11-30-89	2.44
				12-26-89	2.25
				01-24-90	1.56
				02-20-90	1.29
				03-29-90	1.78
				04-26-90	2.44
				05-30-90	3.19
				06-27-90	2.94
				07-23-90	3.17
262553080121501	PB -1573	26 25 53 N	080 12 15 W	09-24-90	3.07
				10-23-89	15.66
262553080121502	PB -1574	26 25 53 N	080 12 15 W	05-08-90	15.25
				10-23-89	15.32
262553080121504	PB -1623			05-08-90	15.22
				10-23-89	15.66
262554080085103	PB -1621	26 25 54 N	080 08 51 W	05-08-90	15.28
				10-31-89	15.65
262636080062101	PB -1605	26 26 36 N	080 06 21 W	05-09-90	15.50
				10-24-89	8.44
				05-09-90	8.75

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
262636080062103	PB -1622			10-24-89 05-09-90	8.54 8.68
262712080040701	PB - 690	26 27 12 N	080 04 07 W	02-02-90 05-09-90 07-18-90	-1.01 -0.95 0.26
262736080041801	PB -1624	26 27 36 N	080 04 18 W	10-24-89 05-09-90	1.88 3.69
262736080041802	PB -1647			10-24-89 05-09-90	1.91 3.77
262808080131701	PB -1107	26 28 08 N	080 13 17 W	10-23-89 05-08-90 09-25-90	14.59 13.20 14.02
262808080131702	PB -1631			10-23-89 05-08-90	14.55 12.69
262853080035501	PB - 692	26 28 53 N	080 03 55 W	10-27-89 02-20-90 05-09-90 07-18-90	0.68 -0.02 0.65 1.59
263016080033801	PB -1625	26 30 16 N	080 03 38 W	10-24-89 05-09-90	1.78 1.63
263016080033802	PB -1626			10-24-89 05-09-90	1.68 1.45
263021080070101	PB -1627	26 30 21 N	080 07 01 W	10-24-89	11.18
263021080070102	PB -1628			10-24-89	11.12
263138080095201	PB -1096	26 31 38 N	080 09 52 W	10-24-89	15.91
263144080134001	PB -1097	26 31 44 N	080 13 40 W	10-23-89 05-08-90	14.89 14.88
263144080134002	PB -1632			10-23-89 05-08-90	15.90 14.63
263216080061701	PB -1602	26 32 16 N	080 06 17 W	10-24-89 05-08-90	11.06 11.13
263216080061702	PB -1603			10-24-89 05-08-90	11.06 11.07
263324080084601	PB -1633	26 33 24 N	080 08 46 W	10-24-89 05-09-90	15.46 15.08
263324080084602	PB -1634			10-24-89 05-09-90	16.36 15.51
263455080030802	PB - 834B	26 34 55 N	080 03 08 W	10-27-89 02-20-90 05-09-90 07-18-90	2.27 0.29 0.87 2.54
263509080102201	PB -1571	26 35 09 N	080 10 22 W	10-24-89 05-09-90	15.16 13.99
263524080124302	PB -1641			10-31-89 05-08-90	15.33 15.02
263527080030601	PB - 693	26 35 27 N	080 03 06 W	10-27-89 02-20-90 05-09-90 07-18-90	3.46 1.77 0.92 4.02
263530080065001	PB -1635	26 35 30 N	080 06 50 W	10-24-89 05-08-90	13.83 12.77
263530080065002	PB -1636			10-24-89 05-08-90	13.66 12.59

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
PALM BEACH COUNTY--Continued

407

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
263627080030401	PB - 694	26 36 27 N	080 03 04 W	10-27-89 02-20-90	3.69 2.36
263627080030401	PB - 694	26 36 27 N	080 03 04 W	05-09-90 07-18-90	2.89 3.65
263627080030402	PB - 889			10-27-89 02-20-90 05-09-90 07-18-90	3.61 2.29 2.80 3.67
263628080030801	PB - 949	26 36 28 N	080 03 08 W	10-27-89 02-20-90 05-09-90 07-18-90	3.67 2.57 3.02 4.05
263656080033501	PB -1638	26 36 56 N	080 03 35 W	10-24-89 05-08-90	3.65 2.88
263656080033502	PB -1639			10-24-89 05-08-90 09-24-90	3.66 2.84 4.59
263656080033503	PB -1640			10-24-89 05-08-90	3.64 2.86
263702080051901	PB -1578	26 37 02 N	080 05 19 W	10-24-89 05-08-90	8.97 8.74
263702080051904	PB -1644			10-24-89 05-08-90	9.20 8.76
263752080120701	PB -1156	26 37 52 N	080 12 07 W	10-24-89 05-09-90	14.77 14.25
263755080102605	PB -1155	26 37 55 N	080 10 26 W	10-24-89 05-09-90 09-25-90	13.53 12.55 13.81
263816080161101	PB - 750	26 38 16 N	080 16 11 W	10-23-89 05-08-90	11.01 13.60
263816080161102	PB - 751			10-23-89 05-08-90	12.18 13.69
263856080101301	PB -1544	26 58 56 N	080 10 13 W	10-24-89	13.34
263942080164002	PB -1152	26 39 42 N	080 16 40 W	10-23-89 05-08-90	12.63 12.07
264027080135004	PB -1153	26 40 27 N	080 13 50 W	05-08-90	12.12
264033080060801	PB -1645	26 40 33 N	080 06 08 W	10-30-89 05-08-90	10.47 9.08
264033080060802	PB -1646			10-24-89 05-08-90	9.37 9.55
264103080025902	PB - 835B	26 41 03 N	080 02 59 W	10-27-89 02-20-90 05-09-90 07-18-90	3.22 0.82 2.44 2.73
264208080192201	PB - 685	26 42 08 N	080 19 22 W	10-24-89 05-07-90 09-24-90	13.17 11.69 13.78
264216080134403	PB -1157	26 42 16 N	080 13 44 W	10-24-89 05-07-90	13.44 13.05

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
264225080084701	PB -1089	26 42 25 N	080 08 47 W	10-24-89 05-07-90	10.19 9.25
264423080073501	PB - 733	26 44 23 N	080 07 35 W	10-24-89 05-08-90	11.65 12.10
264423080073503	PB - 767			10-24-89 05-08-90	12.58 12.97
264553080161701	PB -1534	26 45 53 N	080 16 17 W	05-07-90	16.72
264555080132201	PB -1536	26 45 55 N	080 13 22 W	10-23-89 05-07-90	16.66 16.47
264555080151703	PB -1565	26 45 55 N	080 15 17 W	10-23-89 05-07-90	17.55 16.68
264555080151704	PB -1566	26 45 55 N	080 15 17 W	10-23-89 05-07-90	18.58 17.41
264555080203401	PB -1533	26 45 55 N	080 20 34 W	10-23-89 05-07-90	16.73 16.36
264643080070001	PB -1062	26 46 43 N	080 07 00 W	10-24-89	10.16
264643080070002	PB -1150			10-24-89 05-07-90	12.31 12.01
264646080031401	PB - 632	26 46 46 N	080 03 14 W	10-27-89 02-20-90 05-09-90	3.78 2.46 3.06
				07-18-90	3.56
264659080035101	PB - 618	26 46 59 N	080 03 51 W	10-25-89 05-09-90	4.94 4.26
264659080035102	PB - 795			10-25-89	-1.31
264731080035501	PB - 620	26 47 31 N	080 03 55 W	09-24-90	7.40
264832080173301	PB -1529	26 48 32 N	080 17 33 W	10-23-89 05-07-90	19.11 17.62
264833080173401	PB -1532	26 48 33 N	080 17 34 W	10-23-89 05-07-90	18.90 17.62
264834080193401	PB -1528	26 48 34 N	080 19 34 W	10-23-89	19.34
				05-07-90	17.93
264834080193402	PB -1558			10-23-89 05-07-90	19.59 18.34
264841080114901	PB - 109	26 48 41 N	080 11 49 W	09-24-90	17.02
264843080125001	PB -1554	26 48 43 N	080 12 50 W	10-24-89	17.57
				05-08-90	14.63
264843080125002	PB -1555			10-24-89 05-08-90	17.61 14.59
264843080125003	PB -1556			10-24-89 05-08-90	17.62 14.82
265018080074101	PB - 719	26 50 18 N	080 07 41 W	10-24-89 05-08-90	10.92 10.69
265027080100201	PB -1084	26 50 27 N	080 10 02 W	10-24-89 05-08-90	14.22 13.31
265027080100202	PB -1637			10-24-89	14.40
				05-08-90	13.27
265106080241401	PB - 830	26 51 06 N	080 24 14 W	05-07-90	21.53

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
PALM BEACH COUNTY--Continued

409

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
265114080173101	PB - 715	26 51 14 N	080 17 31 W	10-23-89 09-24-90	21.31 22.61
265114080173102	PB - 716			10-23-89 05-07-90	20.95 19.70
265153080031401	PB - 921	26 51 53 N	080 03 14 W	11-01-89 02-21-90 05-10-90 07-18-90	1.10 0.24 1.12 0.50
265200080031201	PB - 596	26 52 00 N	080 03 12 W	11-01-89 02-21-90 05-10-90 07-18-90	1.95 2.74 1.28 1.71
265209080032301	PB - 922	26 52 09 N	080 03 23 W	11-01-89	-0.78
265215080031301	PB - 710	26 52 15 N	080 03 13 W	09-25-90	3.44
265233080054001	PB -1642	26 52 33 N	080 05 40 W	10-25-89 05-09-90	5.24 3.66
265233080054002	PB -1643			10-25-89 02-21-90 05-09-90 07-18-90	4.53 4.00 3.54 4.53
265248080103802	PB -1608	26 52 48 N	080 10 38 W	10-24-89 05-08-90	14.64 13.00
265255080083901	PB -1521	26 52 55 N	080 08 39 W	10-24-89 05-08-90	13.33 11.44
265256080123201	PB -1525	26 52 56 N	080 12 32 W	10-23-89 05-07-90	15.27 13.84
265412080092701	PB -1520	26 54 12 N	080 09 27 W	05-08-90	11.59
265427080241501	PB -1613	26 54 27 N	080 24 15 W	10-24-89 05-07-90 09-24-90	24.34 23.21 23.91
265427080241502	PB -1615			10-24-89 05-07-90 09-24-90	24.42 23.36 24.08
265439080102901	PB - 880	26 54 39 N	080 10 29 W	10-23-89 05-07-90 09-24-90	12.92 12.05 13.91
265439080102904	PB - 875			10-23-89 05-07-90 09-24-90	13.00 12.15 14.01
265443080152001	PB -1524	26 54 43 N	080 15 20 W	10-23-89 05-07-90	18.26 16.76
265443080152002	PB -1552			10-23-89 05-07-90	18.42 16.72
265508080083301	PB - 928	26 55 08 N	080 08 33 W	10-23-89 05-07-90	6.27 6.83
265510080083401	PB - 711	26 55 10 N	080 08 34 W	10-23-89 05-07-90	7.29 7.42
265519080171801	PB - 717	26 55 19 N	080 17 18 W	10-23-89 05-07-90	22.05 21.01
265550080071801	PB - 789	26 55 50 N	080 07 18 W	10-23-89 05-07-90 09-24-90	0.78 0.81 2.06
265606080135502	PB -1547	26 56 06 N	080 13 55 W	10-23-89 05-07-90 09-24-90	16.58 14.97 17.21

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
265606080135503	PB -1548			10-23-89	16.17
				05-07-90	15.03
				09-24-90	16.87
265609080103401	PB -1648	26 56 09 N	080 10 34 W	10-23-89	11.14
				05-07-90	10.28
265609080103402	PB -1649			10-23-89	10.67
				05-07-90	10.15
265633080203001	PB - 689	26 56 33 N	080 20 30 W	10-23-89	24.50
				05-07-90	23.87
				09-25-90	1.31

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY

411

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
261950080074301	PB -1063	26 19 50 N	080 07 43 W	10-26-89	580	55
				12-01-89	610	64
				12-27-89	610	62
				01-25-90	610	60
				02-20-90	630	46
				03-12-90	580	50
				03-30-90	610	54
				04-06-90	560	57
				04-26-90	575	64
				05-04-90	620	64
				05-30-90	600	60
				06-28-90	590	54
				07-24-90	600	58
				08-28-90	610	56
				09-25-90	600	53
262114080054001	PB - 491	26 21 14 N	080 04 55 W	12-01-89	20700	7200
				12-27-89	2000	560
				01-24-90	2700	600
				03-30-90	9990	3000
				04-26-90	34000	12000
				05-30-90	35500	12000
				06-27-90	52000	12000
				07-24-90	2350	650
				08-27-90	14400	4600
				09-26-90	20000	6400
262114080064502	PB -1455	26 21 14 N	080 06 45 W	10-26-89	580	28
				12-01-89	460	38
				12-27-89	490	28
				01-25-90	560	28
				02-20-90	580	18
				03-12-90	560	20
				03-30-90	580	26
				04-06-90	510	25
				04-26-90	620	44
				05-04-90	590	28
				05-30-90	560	28
				06-27-90	560	14
				07-24-90	560	24
				08-27-90	560	24
				09-26-90	580	25
262117080055001	PB - 490	26 21 17 N	080 05 50 W	10-26-89	1500	350
				12-01-89	1800	410
				12-26-89	1880	440
				01-24-90	1840	460
				02-20-90	1880	450
				03-12-90	1500	380
				03-29-90	1700	400
				04-06-90	1580	370
				04-26-90	1750	450
				05-04-90	2600	650
				05-30-90	2100	500
				06-27-90	2400	500
				07-24-90	2290	450
				08-27-90	2280	600
				09-26-90	2080	510
262120080053201	PB - 492	26 21 20 N	080 05 32 W	10-26-89	430	24
				12-01-89	440	24
				12-26-89	410	26
				01-24-90	390	32
				02-20-90	410	18
				03-12-90	415	18
				03-29-90	410	18
				04-06-90	400	20
				04-26-90	420	28
				05-04-90	460	26

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
262120080053201	PB - 492	26 21 20 N	080 05 32 W	05-30-90	430	20
				06-27-90	430	22
				07-24-90	420	22
				08-27-90	400	24
				09-26-90	190	10
262130080055401	PB - 567	26 22 00 N	080 05 42 W	10-25-89	400	28
				12-01-89	380	32
				12-26-89	380	28
				01-24-90	390	32
				02-20-90	390	24
				03-12-90	380	22
				03-29-90	390	24
				04-06-90	380	28
				04-26-90	360	34
				05-04-90	430	34
				05-30-90	400	30
				06-27-90	390	26
				07-24-90	410	28
				08-27-90	410	28
				09-26-90	360	26
262138080054601	PB - 467	26 21 38 N	080 05 46 W	10-31-89	560	48
				12-01-89	560	56
				01-24-90	540	42
				02-20-90	540	36
				03-29-90	510	34
				04-26-90	475	38
				05-30-90	480	38
				06-27-90	480	36
				07-24-90	490	32
				08-27-90	470	32
				09-26-90	500	32
262253080051101	PB -1456	26 22 53 N	080 05 11 W	10-25-89	380	24
				12-01-89	390	26
				12-26-89	390	26
				01-24-90	390	26
				02-20-90	400	18
				03-29-90	390	20
				04-26-90	375	26
				05-30-90	390	26
				06-27-90	88	4.0
				07-24-90	300	16
				08-27-90	140	4.0
				09-26-90	200	6.0
262313080044401	PB -1457	26 23 13 N	080 04 44 W	10-25-89	440	24
				12-01-89	500	24
				12-26-89	490	22
				01-24-90	470	26
				02-20-90	480	14
				03-29-90	480	16
				04-26-90	460	26
				05-30-90	460	24
				06-27-90	470	20
				07-24-90	470	24
				08-27-90	460	22
				09-26-90	460	20

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY--Continued

413

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
262435080042901	PB - 895	26 24 35 N	080 04 29 W	10-25-89	500	40
				11-30-89	620	46
				12-26-89	640	50
				01-24-90	630	45
				02-20-90	610	30
				03-29-90	610	32
				04-26-90	640	50
				05-30-90	580	38
				06-28-90	630	54
				07-23-90	570	42
				08-27-90	580	48
				09-26-90	700	65
				10-25-89	500	38
				11-30-89	490	40
				12-26-89	500	44
262435080042902	PB - 896	26 24 35 N	080 04 29 W	01-24-90	480	40
				02-20-90	470	26
				03-29-90	480	28
				04-26-90	470	38
				05-30-90	480	34
				06-27-90	480	32
				07-23-90	510	38
				08-27-90	500	32
				09-26-90	490	30
				10-25-89	470	26
				11-30-89	460	36
				12-26-89	430	28
				01-24-90	430	22
				02-20-90	430	18
				03-29-90	420	18
262435080042903	PB - 947	26 24 35 N	080 04 29 W	04-26-90	400	30
				05-30-90	420	24
				06-27-90	430	22
				07-23-90	460	30
				08-27-90	450	28
				09-26-90	440	26
				10-25-89	11300	3700
				11-30-89	21000	7200
				12-26-89	23000	7600
				01-24-90	22000	7600
				02-20-90	21800	6500
				03-29-90	24500	8500
				04-26-90	23100	8300
				05-30-90	22500	7800
				06-27-90	30200	8200
262435080042904	PB - 948	26 24 35 N	080 04 30 W	07-23-90	21500	8000
				08-27-90	24300	7900
				09-26-90	23500	8000
				10-25-89	450	26
				11-30-89	460	38
				12-26-89	460	38
				01-24-90	460	36
				02-20-90	460	23
				03-29-90	450	26
				04-26-90	450	44
				05-30-90	500	46
				06-27-90	497	42
				07-23-90	500	44
				08-27-90	495	44
				09-26-90	480	40
262435080043001	PB - 1151	26 24 35 N	080 04 30 W	10-25-89	450	26
				11-30-89	460	38
				12-26-89	460	38
				01-24-90	460	36
				02-20-90	460	23
				03-29-90	450	26
				04-26-90	450	44
				05-30-90	500	46
				06-27-90	497	42
				07-23-90	500	44
				08-27-90	495	44
				09-26-90	480	40

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
262435080043601	PB -1496	26 24 35 N	080 04 36 W	10-30-89	680	44
				11-30-89	540	32
				12-26-89	600	40
				01-24-90	510	30
				02-20-90	490	32
				03-29-90	530	24
				04-26-90	640	52
				05-30-90	650	54
				06-27-90	680	52
				07-23-90	700	55
				08-27-90	520	36
				09-26-90	550	35
262436080042801	PB - 897	26 24 36 N	080 04 28 W	10-25-89	720	93
262712080040701	PB - 690	26 27 12 N	080 04 07 W	02-02-90	31000	11000
				05-09-90	32500	10000
262712080040701	PB - 690	26 27 12 N	080 04 07 W	07-18-90	32400	11000
262853080035501	PB - 692	26 28 53 N	080 03 55 W	10-27-89	38000	14000
				02-20-90	37500	14000
				05-09-90	38900	14000
				07-18-90	39100	14000
263455080030802	PB - 834B	26 34 55 N	080 03 08 W	10-27-89	21000	7100
				02-20-90	28200	9800
				05-09-90	26900	8700
				07-18-90	25000	8200
263527080030601	PB - 693	26 35 27 N	080 03 06 W	10-27-89	1250	380
				02-20-90	1550	470
				05-09-90	1350	350
				07-18-90	3890	1100
263627080030401	PB - 694	26 36 27 N	080 03 04 W	10-27-89	6000	1900
				02-20-90	5900	2000
				05-09-90	6000	1700
				07-18-90	6150	1800
263627080030402	PB - 889			10-27-89	7600	2300
				02-20-90	7600	2200
				05-09-90	8100	2100
				07-18-90	8000	2300
263628080030801	PB - 949	26 36 28 N	080 03 08 W	10-27-89	3100	900
				02-20-90	3400	920
				05-09-90	3250	900
				07-18-90	3300	1000
264103080025902	PB - 835B	26 41 03 N	080 02 59 W	10-27-89	670	55
				02-20-90	640	58
				05-09-90	685	52
				07-18-90	620	50
264646080031401	PB - 632	26 46 46 N	080 03 14 W	10-27-89	22000	7600
				02-20-90	14600	4500
				05-09-90	5000	1500
				07-18-90	8700	2300
264731080035501	PB - 620	26 47 31 N	080 03 55 W	09-24-90	150	12
265153080031401	PB - 921	26 51 53 N	080 03 14 W	11-01-89	30500	11000
				02-21-90	18600	6000
				05-10-90	31900	10000
				07-18-90	31500	11000
265200080031201	PB - 596	26 52 00 N	080 03 12 W	11-01-89	480	50
				02-21-90	520	54
				05-10-90	510	50
				07-18-90	2030	350

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY--Continued

415

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
265215080031301	PB - 710	26 52 15 N	080 03 13 W	09-25-90	540	64
265233080054002	PB -1643	26 52 33 N	080 05 40 W	10-25-89 02-21-90 05-09-90 07-18-90	370 420 436 430	18 30 30 32
265412080092701	PB -1520	26 54 12 N	080 09 27 W	10-18-89 12-05-89 02-27-90 03-29-90 05-02-90 06-27-90 07-31-90	505 507 487 539 513 535 580	17 21 23 20 30 30 26
265417080130301	PB -1522	26 54 17 N	080 13 03 W	10-18-89 12-05-89 01-23-90 03-29-90 05-02-90 06-27-90 07-31-90	583 548 546 575 518 555 534	30 30 30 29 29 29
265418080082901	PB -1651	26 54 18 N	080 08 29 W	10-18-89 12-05-89 01-23-90 02-27-90	365 450 447 463	26 34 38 36
265418080082901	PB -1651	26 54 18 N	080 08 29 W	03-29-90 07-31-90	417 487	35 42
265418080082902	PB -1652			10-18-89 12-05-89 02-27-90 07-31-90	588 620 599 576	38 44 40 32
265439080102901	PB - 880	26 54 39 N	080 10 29 W	10-18-89 12-05-89 01-23-90 02-27-90 03-29-90 05-02-90 06-27-90	934 1020 1020 1040 939 914 890	66 100 94 98 59 50 41
265439080102904	PB - 875			10-18-89 12-05-89 02-27-90 03-29-90 05-02-90 06-27-90 07-31-90	618 610 484 421 455 436 460	64 63 35 30 34 36 37
265443080152001	PB -1524	26 54 43 N	080 15 20 W	10-18-89 12-05-89 02-27-90 03-29-90 05-02-90 06-27-90 05-27-90 07-31-90	1850 1950 1670 1650 1760 1950 3000 2260	330 330 260 280 310 390 640 430
265443080152002	PB -1552			10-18-89 03-29-90 05-02-90 07-31-90	1820 2960 2800 3020	480 620 630 620

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
PALM BEACH COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
265508080083301	PB - 928	26 55 08 N	080 08 33 W	10-18-89	653	32
				12-06-89	635	32
				01-23-90	641	31
				02-27-90	586	31
				07-30-90	643	32
265510080083401	PB - 711	26 55 10 N	080 08 34 W	12-06-89	319	23
				01-23-90	383	20
				02-27-90	358	20
265537080123001	PB -1653	26 55 37 N	080 12 30 W	10-18-89	1020	140
				12-05-89	1110	150
				01-23-90	1060	140
				03-29-90	1030	130
				05-02-90	1040	140
				06-27-90	1030	120
				09-24-90	545	30
265550080071801	PB - 789	26 55 50 N	080 07 18 W	11-01-89	690	78
265611080081201	PB - 832	26 56 11 N	080 08 12 W	11-27-89	780	63
				12-21-89	680	64
				01-23-90	720	90
				02-12-90	760	70
				02-27-90	725	87
				03-27-90	820	93
				04-06-90	780	75
				04-26-90	760	75
				05-03-90	740	75
				06-01-90	790	80
				06-26-90	620	70
				07-24-90	730	80
				08-28-90	797	88
				09-24-90	2630	650
265759080052401	PB - 595	26 57 59 N	080 05 24 W	11-01-89	26000	9300
				11-27-89	27000	9300
				12-21-89	26000	9300
265759080052401	PB - 595	26 57 59 N	080 05 24 W	01-23-90	26000	9500
				02-12-90	27900	9300
				02-27-90	27500	9000
				03-27-90	28000	9000
				04-06-90	26500	8300
				04-26-90	27300	9000
				05-03-90	26500	9300
				06-01-90	27000	9200
				06-26-90	29300	11000
				07-24-90	26000	10000
				08-28-90	27500	6500
				09-25-90	30500	9700
				12-21-89	560	84
265803080052502	PB - 746	26 58 03 N	080 05 25 W	01-23-90	1450	140
				02-12-90	625	82
				02-27-90	625	95
				03-27-90	700	140
				04-06-90	665	100
				04-26-90	920	200
				05-03-90	700	130
				06-01-90	685	130
				06-26-90	730	170
				07-23-90	635	160
				08-28-90	723	130
				09-25-90	1220	150

WATER RESOURCES DATA FOR FLORIDA, 1990
VOLUME 2B: SOUTH FLORIDA

KEY TO SITE LOCATIONS ON FIGURE 12
ST. LUCIE COUNTY

INDEX NUMBER	SITE NUMBER	WELL NAME	PAGE NUMBER
1	271538080371401	STL 41	420
2	272524080242801	STL 125	421
3	272655080401601	STL 42	422

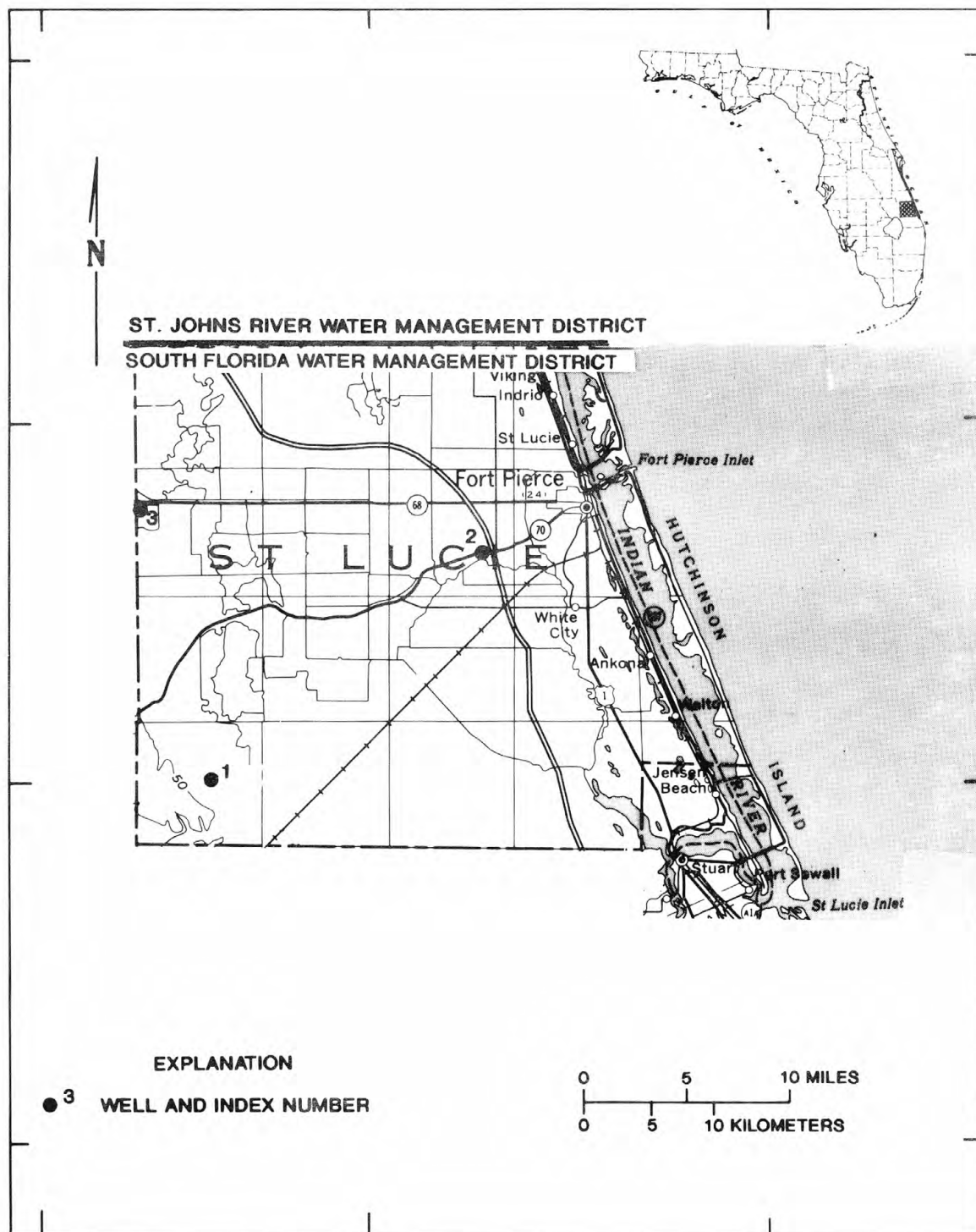


Figure 12. Location of wells in St. Lucie County.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

ST. LUCIE COUNTY

WELL NUMBER.--271538080370601. Local Number STL 41. USGS Observation Well near Stuart, Fl.

LOCATION.--Lat 27°15'38", long 80°37'14", in NW¼NE¼ sec.15, T.37 S., R.37 E., Hydrologic Unit 03090202, 0.2 mi east of Blue Field Road, 4.4 mi south of State Highway 70, and 12.0 mi northwest of Stuart.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 6 in., depth 17 ft, cased to 13 ft, gravel-packed 12-17 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 28.71 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to April 1979; May 1979 to current year (monthly). Records of water levels prior to October 1950 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.29 ft NGVD, Dec. 23, 1985; lowest measured, 22.14 ft NGVD, June 12, 1989.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	1100	26.17	13...	1210	25.86
13...	0940	26.84	28...	1500	25.21
25...	1415	26.63	APR		
NOV			06...	1300	24.56
13...	1030	25.75	27...	1600	23.59
29...	1015	24.90	MAY		
DEC			04...	1215	23.37
13...	1210	24.47	25...	1725	28.31
29...	1410	25.13	JUN		
JAN			27...	1500	23.23
12...	1400	24.66	JUL		
26...	1515	24.18	24...	1500	22.86
FEB			AUG		
15...	1300	23.82	29...	1440	23.74
28...	1110	26.09	SEP		
			27...	1500	23.28

ST. LUCIE COUNTY

WELL NUMBER.--272524080242801. Local Number STL 125. USGS Observation Well near Fort Pierce, Fl.

LOCATION.--Lat 27°25'24", long 80°24'28", in NW¼NE¼ sec.233, 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.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 19.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft above land-surface datum.

PERIOD OF RECORD.--January 1967 to April 1979; May 1979 to current year (monthly). Records of water levels prior to October 1973 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.05 ft NGVD, Aug. 27, 1984; lowest measured, 13.53 ft NGVD, June 24, 1987.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	1000	17.46	13...	1030	16.55
13...	1040	17.44	29...	1145	16.20
26...	1400	16.53	APR		
NOV			06...	1420	16.25
13...	0930	16.89	27...	1445	15.50
29...	0855	16.60	MAY		
DEC			04...	1330	14.77
13...	1050	16.45	25...	1615	14.50
29...	1235	17.55	JUN		
JAN			27...	1320	15.03
12...	1237	17.10	JUL		
26...	1400	17.05	24...	1615	18.19
FEB			AUG		
15...	1300	17.35	29...	1330	18.71
28...	1000	16.90	SEP		
			27...	0940	19.01

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

ST. LUCIE COUNTY

WELL NUMBER.--272655080401601. Local Number STL 42. USGS Observation Well near Ft. Pierce, Fl.

LOCATION.--Lat 27°26'55", long 80°40'16", in SE¼NW¼ sec.7, T.35 S., R.37 E., Hydrologic Unit 03090202, 85 ft north of State Highway 15, and 20.0 mi west of Fort Pierce.

AQUIFER.--Surficial aquifer system, Geologic Unit 110 SAQS.

WELL CHARACTERISTICS.--Jetted, observation, water-table well, diameter 6 in., depth 18 ft, cased to 13 ft, gravel-packed 12-18 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape.

DATUM.--Land-surface datum is 27.79 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.80 ft above land-surface datum.

PERIOD OF RECORD.--January 1950 to April 1979; May 1979 to current year (monthly). Records of water levels prior to October 1950 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 30.19 ft NGVD, Oct. 16, 1956; lowest measured, 22.62 ft NGVD, May 22, 1986.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAR		
02...	1030	25.49	13...	1120	25.49
13...	1015	26.08	28...	1415	25.18
25...	1120	26.39	APR		
NOV			06...	1350	24.96
13...	1000	25.56	27...	1520	24.83
29...	0925	25.57	MAY		
DEC			04...	1300	24.93
13...	1115	25.36	25...	1640	24.70
29...	1315	26.31	JUN		
JAN			27...	1415	25.89
12...	1310	25.32	JUL		
26...	1430	25.40	24...	1545	26.77
FEB			AUG		
15...	1200	25.31	29...	1400	27.16
28...	1025	25.94	SEP		
			27...	1340	26.74

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
ST. LUCIE COUNTY

423

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
271228080285301	STL- 180	27 12 28 N	080 28 53 W	10-26-89	26.66
271413080311201	STL- 185	27 14 13 N	080 31 12 W	10-26-89	24.80
271448080295501	STL- 161	27 14 48 N	080 29 55 W	10-26-89	23.08
271457080190201	STL- 270	27 14 57 N	080 19 02 W	10-23-89	2.43
271536080170001	PG - 23	27 15 36 N	080 17 00 W	10-26-89	5.87
271538080371401		27 15 38 N	080 37 14 W	09-27-90	23.28
271617080245901	STL- 272	27 16 17 N	080 24 59 W	09-27-90	21.85
271618080245801	STL- 214	27 16 18 N	080 24 58 W	10-23-89 09-27-90	19.94 21.82
271648080165701	STL- 276	27 16 48 N	080 16 57 W	10-24-89	10.32
271754080170601	STL- 174	27 17 54 N	080 17 06 W	10-24-89 09-26-90	11.35 13.19
271755080152201	STL- 177	27 17 55 N	080 15 22 W	10-24-89 10-26-89 03-02-90	4.10 4.10 3.93
				05-11-90 07-19-90	3.38 3.55
271755080153001	STL- 175	27 17 55 N	080 15 30 W	10-24-89 10-26-89	7.07 7.16
271755080153002	STL- 176			10-24-89 10-26-89	11.75 11.65
271755080181901	STL- 173	27 17 55 N	080 18 19 W	10-24-89	7.29
271802080193901	PG - 25	27 18 02 N	080 19 39 W	10-23-89	8.97
271826080295101	STL- 134	27 18 26 N	080 29 51 W	10-26-89	23.63
271853080323701	STL- 123	27 18 53 N	080 32 37 W	10-26-89	21.49
272037080313701	PG - 26	27 20 37 N	080 31 37 W	10-24-89	10.50
272118080342301	PG - 18	27 21 18 N	080 34 23 W	10-25-89	18.65
272225080252301	STL- 130	27 22 25 N	080 25 23 W	10-24-89	19.20
272315080183401	STL- 172	27 23 15 N	080 18 34 W	10-24-89 09-26-90	11.52 12.47
272400080262901	PG - 10	27 24 00 N	080 26 29 W	10-24-89	12.28
272423080215701	PG - 7	27 24 23 N	080 21 57 W	10-24-89	4.73
272425080223301	STL- 136	27 24 25 N	080 22 33 W	10-24-89	6.13
272427080240201	STL- 213	27 24 27 N	080 24 02 W	10-24-89 09-27-90	9.62 12.15
272427080240202	STL- 265			10-24-89 09-27-90	9.38 13.23
272605080281902	PG - 15E	27 26 05 N	080 28 19 W	10-25-89	13.53
272608080191001	PG - 1	27 26 08 N	080 19 10 W	10-26-89 09-27-90	2.74 3.81
272622080220301	PG - 6	27 26 22 N	080 22 03 W	10-26-89	10.52
272703080194801	STL- 191	27 27 03 N	080 19 48 W	10-25-89 03-02-90	7.37 7.37
				05-11-90 07-19-90 09-27-90	6.64 10.05 6.51

MISCELLANEOUS WATER LEVEL MEASUREMENTS
OCTOBER 1989 TO SEPTEMBER 1990
ST. LUCIE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	ELEV- ATION ABOVE NGVD (FEET) (72020)
272744080304601	PG - 16	27 27 44 N	080 30 46 W	10-25-89	19.25
272806080201801	STL- 192	27 28 06 N	080 20 18 W	10-25-89	6.07
				03-02-90	5.82
				05-08-90	4.95
				07-19-90	5.32
272907080212301	PG - 5	27 29 07 N	080 21 23 W	10-25-89	15.33
				10-26-89	15.31
				09-27-90	16.58
273109080270301	STL- 264	27 31 09 N	080 27 03 W	10-25-89	20.11
273302080265801	PG - 12	27 33 02 N	080 26 58 W	10-25-89	14.44
273306080330502	PG - 13M	27 33 06 N	080 33 05 W	10-25-89	17.61
273306080330503	PG - 13N			10-25-89	16.15
				09-27-90	16.13
273306080330504	PG - 13S			09-27-90	18.32
273315080224501	STL- 266	27 33 15 N	080 22 45 W	10-25-89	7.77
				09-27-90	9.96

GROUND WATER QUALITY RECORDS
OCTOBER 1989 TO SEPTEMBER 1990
CONDUCTANCE AND CHLORIDE
ST. LUCIE COUNTY

425

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
271754080170601	STL- 174	27 17 54 N	080 17 06 W	09-26-90	325	60
271755080152201	STL- 177	27 17 55 N	080 15 22 W	10-26-89 03-02-90 05-11-90 07-19-90	670 580 560 580	55 48 50 63
272315080183401	STL- 172	27 23 15 N	080 18 34 W	09-26-90	140	22
272608080191001	PG - 1	27 26 08 N	080 19 10 W	09-27-90	1600	310
272703080194801	STL- 191	27 27 03 N	080 19 48 W	10-25-89 03-02-90 05-11-90 07-19-90 09-27-90	610 640 620 630 650	28 30 40 38 38
272806080201801	STL- 192	27 28 06 N	080 20 18 W	10-25-89	940	120
273315080224501	STL- 266	27 33 15 N	080 22 45 W	09-27-90	210	50

Page	Page
Accuracy of the records.....	7
Acknowledgement.....	III
Acre-foot, definition of.....	12
Algae, definition of.....	12
Aquifer, definition of.....	12
Arrangement of records.....	7
Artesian, definition of.....	12
Ash mass, definition of.....	12
Bacteria, definition of.....	12
Bed load, definition of.....	14
Bed load, discharge, definition of.....	14
Bed material, definition of.....	12
Biochemical oxygen demand, definition of.....	12
Biomass, definition of.....	12
Bottom material, definition of.....	12
Cells/volume, definition of.....	12
CFS-day, definition of.....	12
CFSM-day, definition of.....	12
Chemical oxygen demand, definition of.....	12
Chlorophyll, definition of.....	12
Classification of records.....	7
Color unit, definition of.....	13
Contents, definition of.....	13
Control, definition of.....	13
Control structure, definition of.....	13
Cooperation.....	1
Cubic foot per second, definition of.....	13
Data collection and computation	
Stage and water discharge.....	5
Ground-water levels.....	9
Ground-water quality.....	10
Data presentation	
Stage and water discharge.....	5
Surface-water quality.....	7
Ground-water levels.....	10
Ground-water quality.....	10
Definition of terms.....	12
Discharge, definition of.....	13
Dissolved, definition of.....	13
Dissolved solids concentration, definition of.....	13
Downstream order system.....	4
Drainage area, definition of.....	6
Drainage basin, definition of.....	13
Dry mass, definition of.....	12
Explanation of the records.....	4
Fecal coliform bacteria, definition of.....	12
Fecal streptococcal bacteria, definition of.....	12
Gage height, definition of.....	13
Gaging station, definition of.....	13
Ground-water levels, records of.....	9
Ground-water quality, records of.....	10
Hardness of water, definition of.....	13
Hydrologic Bench-Mark Network, explanation of.....	3
Hydrologic conditions, summary of.....	2
Hydrologic unit, definition of.....	13
Identifying estimated daily discharge.....	7
Instantaneous discharge, definition of.....	13
Introduction.....	1
Laboratory measurements.....	8
Land-surface datum, definition of.....	13
Latitude-longitude system.....	4
Mean concentration, definition of.....	14
Mean discharge, definition of.....	13
Measuring point, definition of.....	13
Micrograms per gram (ug/g), definition of.....	13
Micrograms per liter (ug/L), definition of.....	13
Milligrams per liter (mg/L), definition of.....	13
National Geodetic Vertical Datum of 1929, definition of.....	13
National Stream Quality Accounting Network, explanation of.....	3
Networks and programs, special.....	3
Onsite Measurement and sample collection.....	8
Organism, definition of.....	14
count/area, definition of.....	14
count/volume, definition of.....	14
count, total, definition of.....	14
Other records available.....	7
Parameter code, definition of.....	14
Partial-record station, definition of.....	14
Partical size, definition of.....	14
Partical size classification, definition of.....	14
Percent composition, definition of.....	14
Pesticides, definition of.....	14
Picocurie, definition of.....	14
Preface.....	III
Publications on techniques of water-resources investigations.....	17
Records, explanation of the.....	4
stage and water discharge.....	5
surface-water quality.....	7
ground-water levels.....	9
ground-water quality.....	10
other available.....	7
References, selected.....	19
Recoverable from bottom material, definition of.....	14
Remark codes.....	9
Return period, definition of.....	14
Runoff in inches, definition of.....	14
Sediment (surface-water quality).....	8
Sediment, definition of.....	14
Sodium-adsorption-ratation.....	15
Solute, definition of.....	15
Special networks and programs.....	3
Specific conductance, definition of.....	15
Stage and water discharge, records of.....	5
Stage discharge relation, definition of.....	15
Station identification numbers.....	4
Streamflow, definition of.....	15
Summary of hydrologic conditions.....	2
Surface area, definition of.....	15
Surface-water quality, records of.....	7
Surficial bed material, definition of.....	15
Suspended, definition of.....	15
recoverable, definition of.....	15
total, definition of.....	15
Suspended sediment, definition of.....	14
concentration, definition of.....	14
discharge, definition of.....	15
load, definition of.....	15
Taxonomy, definition of.....	15
Temperature, water.....	8
Terms, definition of.....	12
Thermograph, definition of.....	15
Time-weighted average, definition of.....	16
Tons per acre-foot, definition of.....	16
per day, definition of.....	16
Total, definition of.....	16
Coliform bacteria, definition of.....	12
Discharge, definition of.....	16
Organism count, definition of.....	14
Recoverable, definition of.....	16
Sediment discharge, definition of.....	15
Sediment load, definition of.....	15
Tritium network.....	3
Water-resources investigations, publications on techniques of.....	17
Water year, definition of.....	16
WATSTORE data, access to.....	11
Weighted average, definition of.....	16
Wet mass, definition of.....	12
WDR, definition of.....	16
WSP, definition of.....	16

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1 2.54×10^{-2}	millimeters (mm) meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3 4.047×10^{-1} 4.047×10^{-3}	square meters (m ²) square hectometers (hm ²) square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0 3.785×10^0 3.785×10^{-3}	liters (L) cubic decimeters (dm ³) cubic meters (m ³)
million gallons	3.785×10^3 3.785×10^{-3}	cubic meters (m ³) cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1 2.832×10^{-2}	cubic decimeters (dm ³) cubic meters (m ³)
cfs-days	2.447×10^3 2.447×10^{-3}	cubic meters (m ³) cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3 1.233×10^{-3} 1.233×10^{-6}	cubic meters (m ³) cubic hectometers (hm ³) cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1 2.832×10^1 2.832×10^{-2}	liters per second (L/s) cubic decimeters per second (dm ³ /s) cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2} 6.309×10^{-2} 6.309×10^{-5}	liters per second (L/s) cubic decimeters per second (dm ³ /s) cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1 4.381×10^{-2}	cubic decimeters per second (dm ³ /s) cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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