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# Water Resources Data Florida Water Year 1983

Volume 1B. Northeast Florida Ground Water



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-83-1B  
Prepared in cooperation with the State of Florida  
and with other agencies

CALENDAR FOR WATER YEAR 1983

1982

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
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31																				

1983

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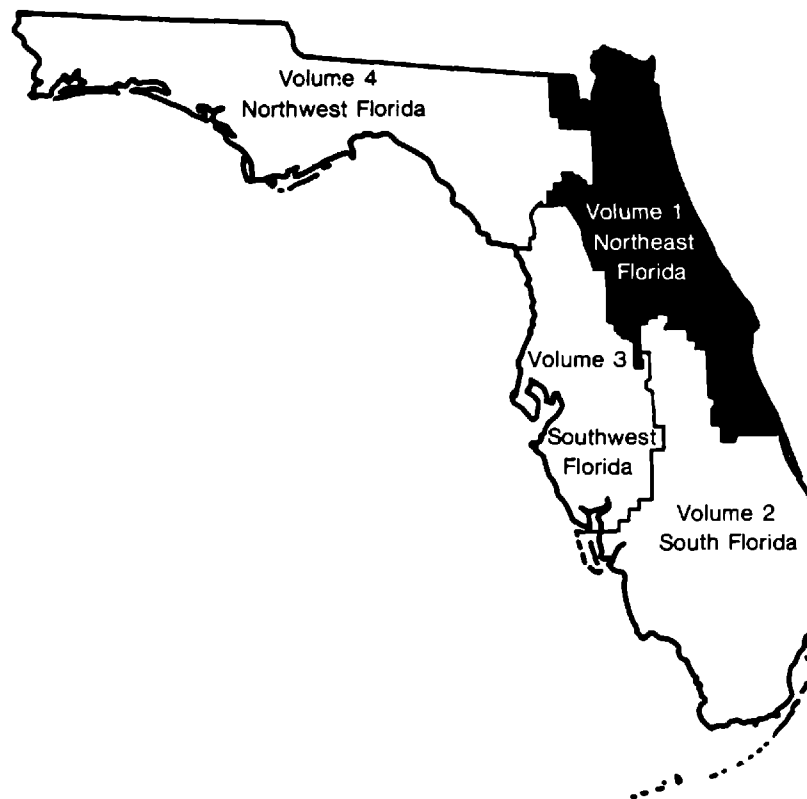
  

JULY							AUGUST							SEPTEMBER						
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31																				



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## Volume 1B. Northeast Florida Ground Water



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT FL-83-1B  
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and with other agencies



UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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

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1985



WATER RESOURCES DATA FOR FLORIDA, 1983  
Volume 1B: Northeast Florida

PREFACE

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

- 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, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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

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<b>16. Abstract (Limit: 200 words)</b>  Water resources data for the 1983 water year in Florida consist of continuous or daily discharge for 299 streams, periodic discharge for 29 streams, miscellaneous discharge for 30 streams, continuous or daily stage for 76 streams, periodic stage for 47 streams, peak discharge for 86 streams and peak stage for 8 streams; continuous or daily elevations for 105 lakes, periodic elevations for 117 lakes; continuous ground-water levels for 472 wells, periodic ground-water levels for 610 wells, and miscellaneous water-level measurements for 2,258 wells; quality-of-water data for 326 surface-water sites and 843 wells.  The data for northeast Florida includes continuous or daily discharge for 92 streams, periodic discharge for 11 streams, miscellaneous discharge for 14 streams, peak discharge for 29 streams, continuous or daily stage for 28 streams; continuous elevations for 42 lakes and periodic elevations for 31 lakes; continuous ground-water levels for 32 wells, periodic ground-water levels for 144 wells, and miscellaneous water-level measurements for 1,125 wells; quality of water for 35 surface-water sites and for 210 wells.  These data represent the National Water Data System records collected by the U.S. Geological Survey and cooperating local, state and federal agencies in Florida.				
<b>17. Document Analysis - a. Descriptors</b>  *Florida, *Hydrologic data, *Surface water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses, Elevations.  <b>b. Identifiers/Open-Ended Terms</b>    <b>c. COSATI Field/Group</b>				
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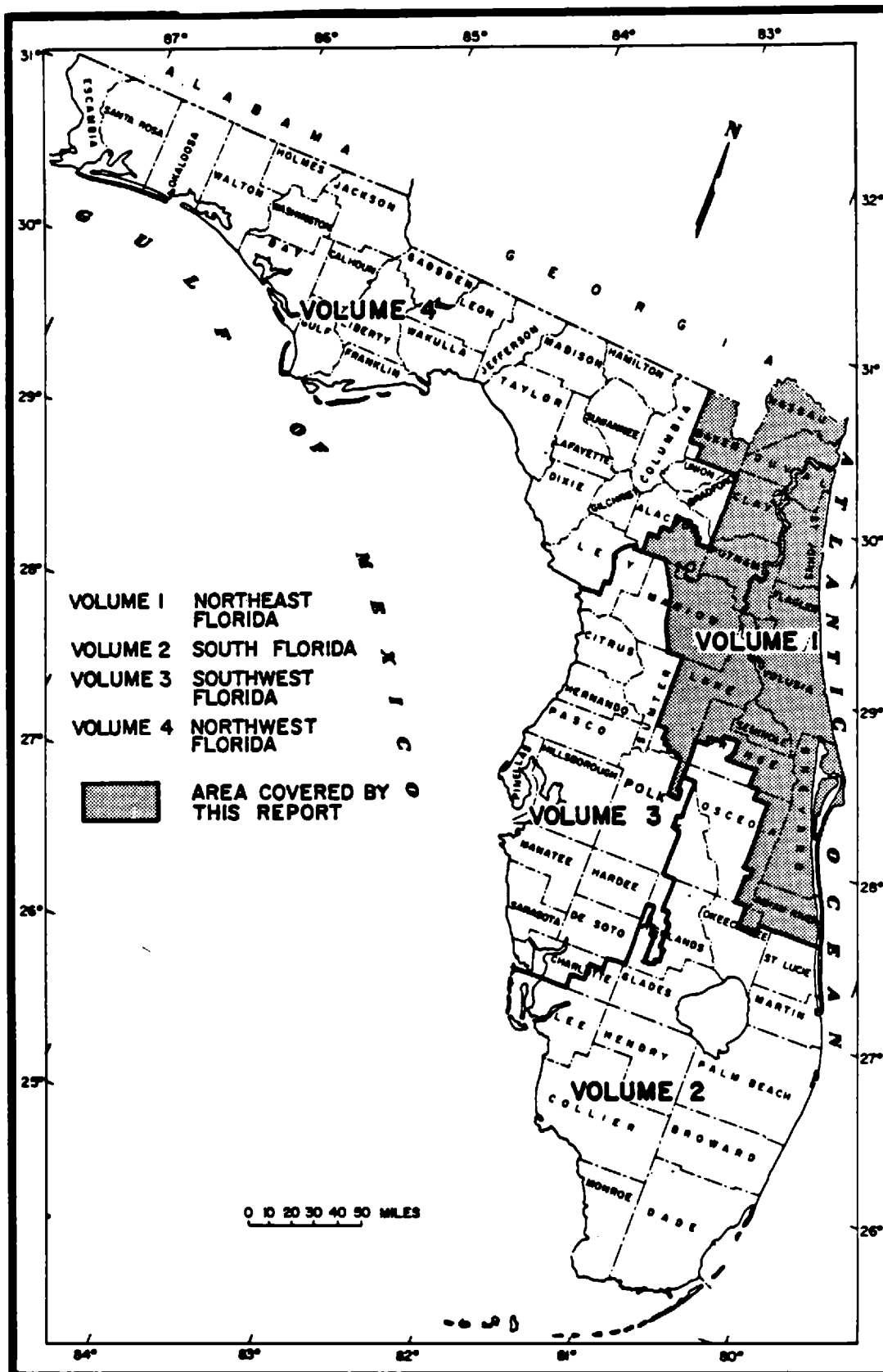


Figure 1. Geographic area covered by this report.



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INTRODUCTION

Water resources data for the 1983 water year for northeast Florida consist of records of stage, discharge, and water quality of streams; elevation and water quality of lakes and reservoirs; water-levels and water quality of wells; and discharge and water quality of springs. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating state and federal agencies in Florida.

Records of discharge and stage of streams, and contents (or elevations) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Alexandria, VA 22202.

For water years 1961 through 1974, streamflow data were released by the U.S. Geological Survey in annual reports on a state-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a state-boundary basis. These official Survey reports carry 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-83-1B." For archiving and general distribution, the reports for water years 1971-74 are also 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 district chief at the address given on the back of the title page or by telephone (904) 681-7620.

COOPERATION

The systematic collection of water resources data in the State of Florida by the U.S. Geological Survey began in 1930 and has been continued in cooperation with state, federal, and local agencies. The data for this report were collected as part of a cooperative program with the following agencies:

Florida Department of Environmental Regulation	County of Volusia
Florida Department of Transportation	City of Cocoa
Florida Department of Natural Resources	City of Daytona Beach
St. Johns River Water Management District	City of Jacksonville
County of Lake	Corps of Engineers, U.S. Army
County of St. Johns	

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DEFINITION OF TERMS

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

Altitude is a value given a gaging station or a ground-water well, for which the elevation of the gage datum has not been determined by leveling from a bench mark. The approximate elevation of the gage was then obtained by barometric observation or from topographic map.

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, trapped by the well. A flowing artesian well is one in which level is above the land surface.

Cfs-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, 1.9835 acre-feet, or approximately 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

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 feet 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.

Cubic foot per second (ft<sup>3</sup>/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.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

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

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

Drainage area of a stream at a specific 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 river above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

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 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 gage height of discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hydrologic unit is a geographic area representing part of all of a surface drainage basin or district hydrologic feature as delineated by the Office of Water Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface-datum is a datum that approximates land surface at each well.

Micrograms per liter (ug/L) is a unit expressing the concentration of chemical constituents in solution as weight (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.



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Milligrams per liter (mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Concentration of suspended sediment can also be expressed in mg/L based on the mass of sediment per liter of sample.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum arrived 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.

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

A picocurie (pCi) is one millionth of the amount of radioactivity represented by a microcurie, 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 only 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.

Runoff in inches (IN.) shows the depth of 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 transformed 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, soil characteristics, land usage, and quantity and intensity of precipitation.

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.

Sediment discharge is the rate at which suspended sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos 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 micromhos). This relation is not constant from stream to stream, and it may even vary in the same source with changes in the composition of the water (Durfor and Becker, 1964, p. 27-29).

Stage-discharge relation is the relation between gage height and the 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 U.S. Geological Survey 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 planimetered. All areas shown are those for stages when the various maps were made.

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 µm 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 would be required for all labor performing such analyses because different digestion procedures are likely to produce different analytical results.

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Determination 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 ug 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.

Tons per 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 forms 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 determines all of the constituent in the sample.)

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

Total, 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 would be 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. Thus, the water year beginning October 1, 1970 and ending September 30, 1971 is called the "1971 water year."

WDR is used as an abbreviation for "Water-Data Reports" published since 1975, in the REVISION paragraph to refer to previously published state annual basic-data reports.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published state annual basic-data reports.

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

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STATION IDENTIFICATION

Numbering System for Wells and Miscellaneous Sites

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits form a sequential number for sites within a 1-second grid. In the event that the latitude-longitude coordinates for two sites are the same, sequential numbers "01," "02," are assigned to give each site a unique number. See figure below.

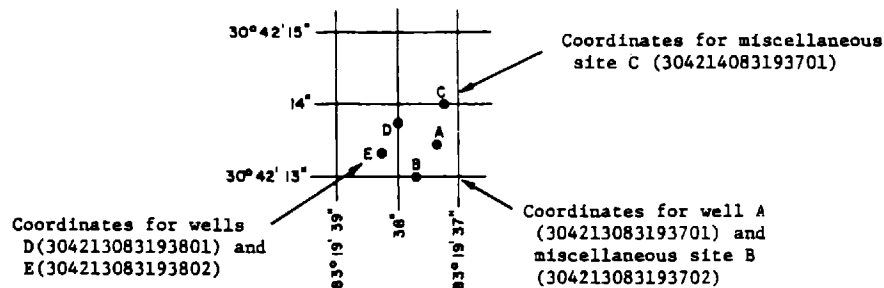


Figure 2. System for numbering wells and miscellaneous sites.  
(latitude and longitude)

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the Data

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

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude as shown in figure 2, and (2) a local number that is provided for continuity with older reports and for other use as dictated by local needs.

Measurements 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.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that approximates land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical 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 levels in wells equipped with recording gages are reported daily or for every fifth day and the end of the month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth 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 hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater, however, most measurements are reported to a hundredth of a foot.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

The chemical analyses of ground-water samples are given immediately following the water-level records. No descriptive statements are given, however, the site number, date of sampling and other pertinent data are given in the table of chemical analyses.

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Revisions

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

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

Samples from wells are usually collected after pumping for a period of time to ensure that a volume of water greater than or equal to 2½ times the volume of the well casing has been removed. This sample is considered to be representative of the water in the aquifer at the time of collection. Some wells are used to drain surface water into an aquifer for purposes of flood control. Samples from drainage wells may be collected as previously mentioned or may be collected at the inflow to the well. These samples are identified in the station name.

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.

Water Temperature

Water temperatures are measured at most of the water-quality stations. The thermometers used for determining the water temperature are accurate to plus or minus 0.5°C.

Mineral Constituents in Solution

All natural waters contain dissolved mineral matter. The quantity of dissolved mineral matter in natural water depends primarily on the type of rocks or soils with which the water has been in contact and the length of time of contact. Ground water is generally more highly mineralized than surface runoff because it remains in contact with the rocks and soils for much longer periods. Many streams are fed by both surface runoff and ground water from seepage or direct spring inflow. Such streams reflect the character of the more mineralized ground water during dry periods and are diluted by surface runoff during wet periods.

The mineral constituents and physical properties of waters reported in this report include those that have a practical bearing on water use. The results of analyses generally include silica, iron, calcium, magnesium, sodium, potassium, alkalinity, sulfate, chloride, fluoride, nitrogen and phosphorus species, pH, dissolved solids, and specific conductance. Aluminum, manganese, color, dissolved oxygen, and other dissolved constituents and physical properties are reported for certain streams. Microbiologic and organic components (pesticides, total organic carbon) and minor elements (arsenic, cobalt, cadmium, copper, lead, mercury, nickel, strontium, zinc, etc.) are determined occasionally for some streams in connection with specific studies.

Qualifying Remarks Codes

The following remarks codes may appear with the data.

E	Estimated value
<	Actual value is known to be less than the value shown
>	Actual value is known to be greater than the value shown
M	Presence of material verified but not quantified
N	Presumptive evidence of presence of material
ND	Material specifically analyzed for but not detected
K	Results based on colony count outside the acceptance range (non-ideal colony count)

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, Va.

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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 each of the Water Resources Division's district offices (see address 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, VA 22092

SUMMARY OF HYDROLOGIC CONDITIONS

Rainfall during the 1983 water year in the St. Johns River basin was above normal at five of the six rainfall stations represented.

Rainfall for the water year was about 2.6 inches above normal at Melbourne in the upper St. Johns basin, 1.1 inches above at Clermont and 4.6 inches above at Gainesville in the Oklawaha River basin, 3.5 inches above at Crescent City and 1.7 inches above at Jacksonville in the lower St. Johns River basin. The only station reporting below normal rainfall was at Orlando in the middle basin with 1.6 inches deficit.

Ground-water levels in the Floridan aquifer as shown by hydrographs in figures 3-6 represent selected areas of the St. Johns River basin. The wells show much of the same trend, the recession from the beginning of the water year until winter, then a rise during the spring months when rainfall was above normal and receding again to lows in May and June and a rising trend for the remainder of the year.

Several other wells throughout the St. Johns River basin, registered period of record highs, in either October or during the period from February through April.

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HYDROLOGIC CONDITIONS--Continued

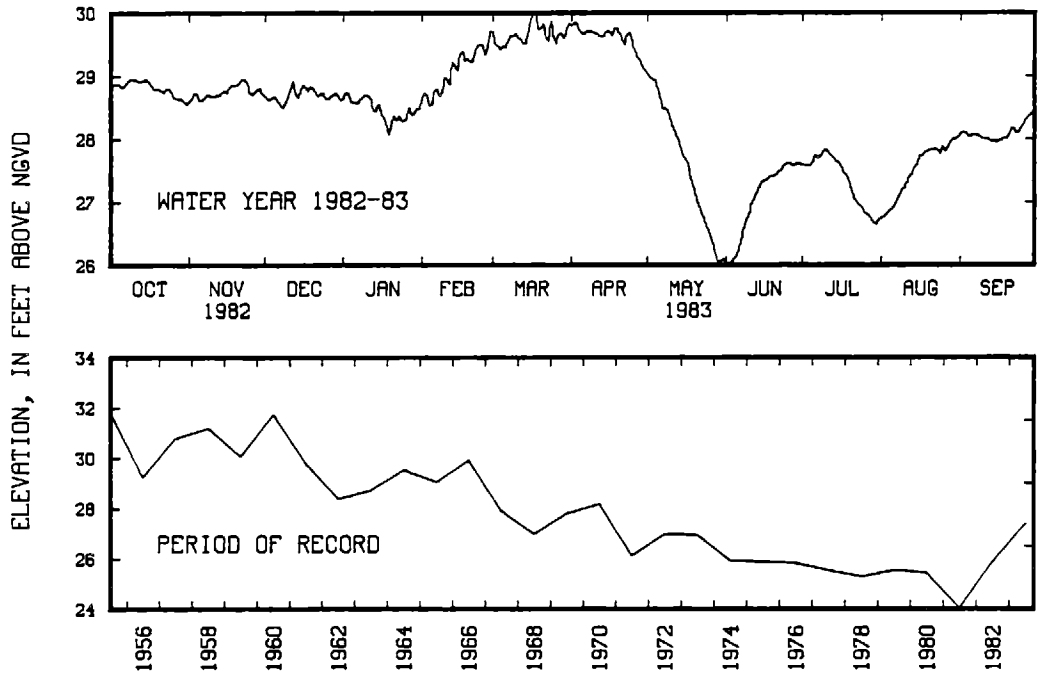


Figure 3. Water-year and long-term hydrographs for well 282245080471601, in Brevard County

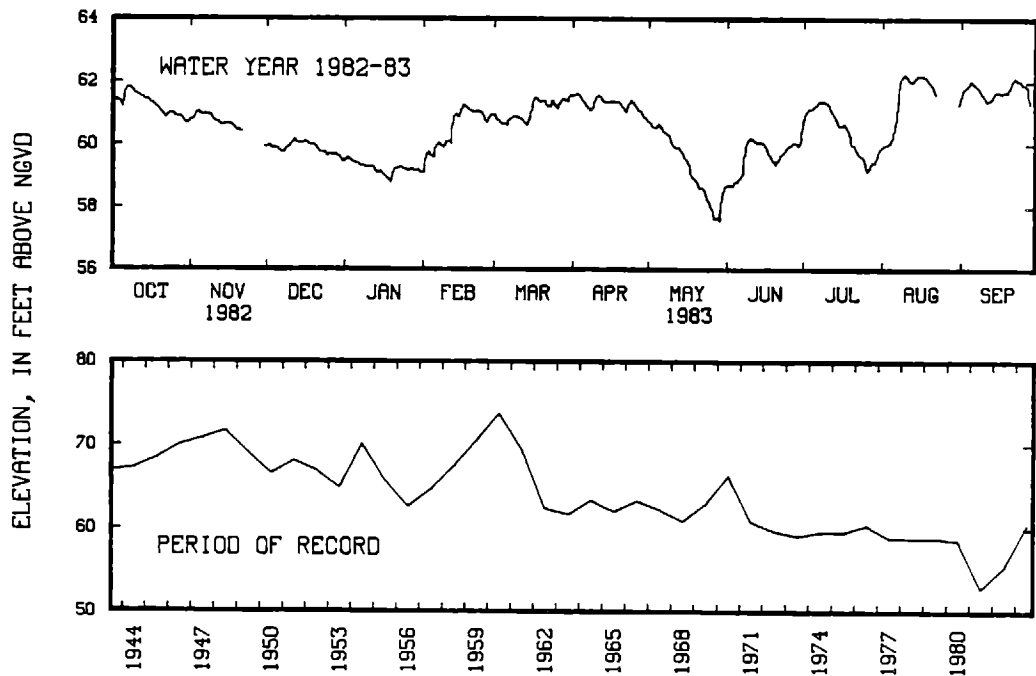


Figure 4. Water-year and long-term hydrographs for well 283253081283401, in Orange County.

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HYDROLOGIC CONDITIONS--Continued

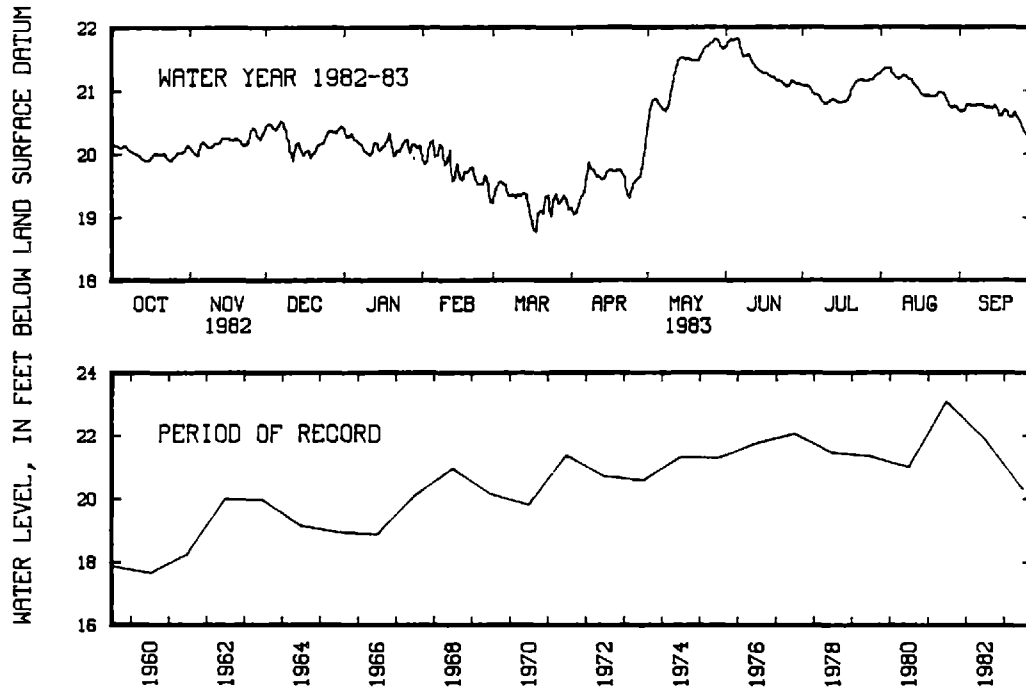


Figure 5. Water-year and long-term hydrographs for well 291115081592501, in Marion County.

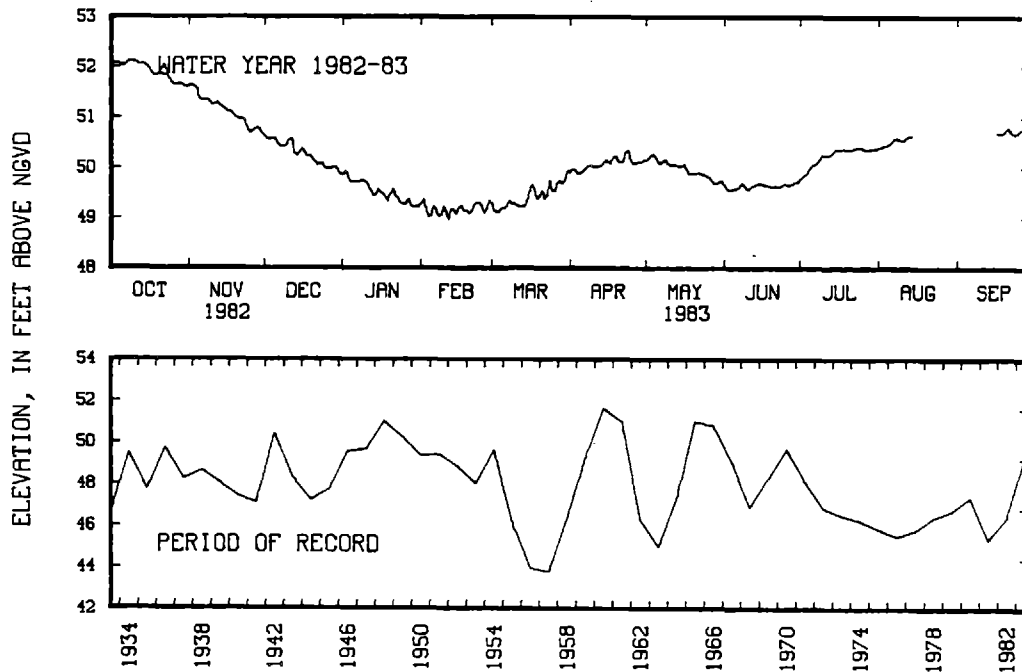


Figure 6. Water-year and long-term hydrographs for well 293729081221201, in St. Johns County.

## PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-seven manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing 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) is on 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, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering 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-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.
- 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 and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 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-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 programed 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-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. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 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 analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greenson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 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-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 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-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.



SELECTED REFERENCES

- American Public Health Association, and others 1965, Standard methods for the examination of water and waste-water, 12th edition: American Public Health Association, New York, 769 p.
- California State Water Quality Control Board, 1963, Water quality criteria; Pub. 3-A, 226 p.
- Conover, C. S., and Leach, S. D., 1975, River basin and hydrologic unit map of Florida: Florida Bureau of Geology Map Series 72.
- Durfor, C. N., and Becker, E., 1964, Public water supplies of the 100 largest cities in the United States; 1962: U.S. Geological Survey Water-Supply Paper 1812, 20 p.
- Ellis, M. M., Westfall, B. A., and Ellis, M. D., 1946, Determination of water quality, U.S. Fish and Wildlife Reserve Report 9.
- Goerlitz, Donald F., and Brown, Eugene, 1972, Methods for Analysis of Organic Substances in Water: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A3, 4 p.
- Hem, J. D., 1970, Study and interpretations of the chemical characteristics of natural water: U.S. Geological Survey Water-Supply Paper 1473, second edition, 363 p.
- Kirkor, Teodor, 1951, Protecting Public Waters from Pollution in the USSR: Sewage Works Journal, v. 23, P. 938.
- Maier, F. J., 1950, Fluoridation of public water supplies: Journal of the American Water Works Association, v. 42, pt. 1, p. 1120-1132.
- Maxcy, K. F., 1950, Report on the relation of nitrite concentrations in well waters to the occurrence of methemoglobinemia: National Research Council, Sanitary Engineering and Environment Bulletin, Appendix D, 271 p.
- Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geological Survey Water-Supply Paper 1541-A, 29 p.
- Rose, Arthur and Elizabeth, 1966, The condensed chemical dictionary: Reinhold Publishing Corporation, New York, 7th ed., 285 p.
- Slack, K. V., Averett, R. C., Grieson, P. E., and Lipscomb, R. G., 1973, Methods for Collection and Analysis of Aquatic Biological and Microbiological Samples: U.S. Geological Survey Techniques of Water Resources Investigations, Book 5, Chapter A4, 165 p.
- Swenson, H. A., and Baldwin, H. L., 1965, A primer on water quality: Washington, U.S. Government Printing Office, 27 p.
- U.S. Environmental Protection Agency, 1975, National interim primary drinking water regulations: Federal Register, v. 40, no. 51, March 14, p. 11990-11998.
- 1976 (1977), Quality criteria for water: U.S. Government Printing Office, 256 p.
- 1977a, National Interim primary drinking water regulations: Environmental Protection Agency Report EPA-570/9-76-003, 159 p.
- 1977b, National secondary drinking water regulations: Federal Register, v. 42, no. 62, March 31, 1977, pt. I, p. 17143-17146.
- U.S. Public Health Service, 1962, Drinking water standards: U.S. Department of Health, Education, and Welfare, Public Health Service: Pub. no. 956.



WELL DESCRIPTIONS AND GROUND-WATER DATA

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KEY TO SITE LOCATIONS ON FIGURE 7  
ALACHUA COUNTY

Index number	Site number	Page number
1	294207082163201	16

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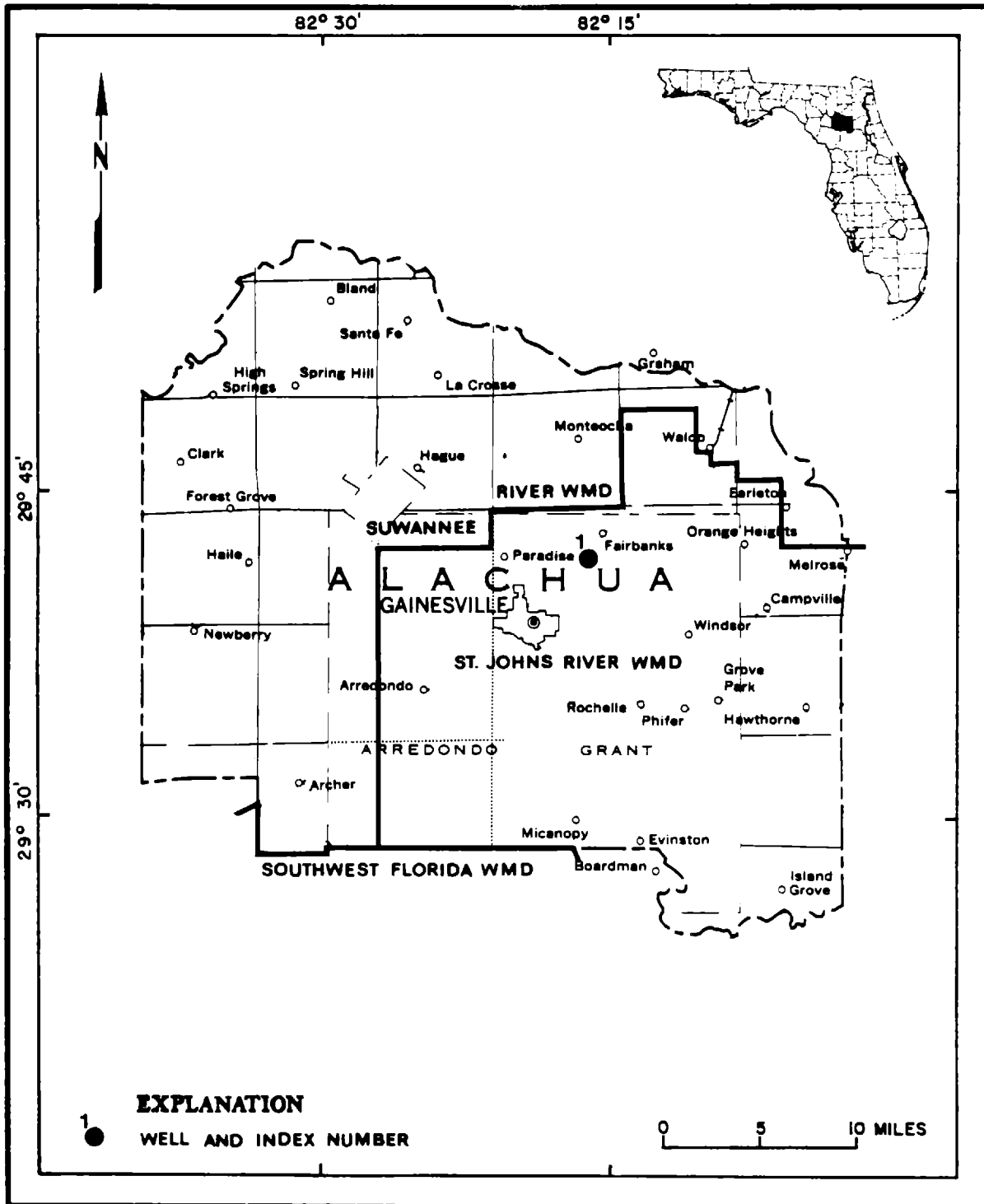


Figure 7. Location of wells in Alachua County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ALACHUA COUNTY

WELL NUMBER.--294207082163201. Local Number Alachua 942-216-01. Sperry Rand well at Gainesville, FL.

LOCATION.--29°42'07", Long 82°16'32", in NW¼NE¼NE¼ sec.23, T.9 S., R.20 E., Hydrologic Unit 03080102, on north side of Gainesville Airport property, east of State Highway 24, and about 2 mi north of State Highway 232 in Gainesville.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 10 in, depth 447 ft, cased to 175 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 1.5 in pipe, 0.16 ft above land-surface datum.

DATUM.--Land-surface datum is 153.20 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Additional measurements were made to better define low water conditions during the 1982 water year.

PERIOD OF RECORD.--June 1957 to December 1958; January 1961 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 66.71 ft NGVD, Sept. 2, 1965; lowest measured, 49.51 ft NGVD, Apr. 2, 1982.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			FEB		
01...	1030	53.39	01...	--	53.63
05...	1750	53.64	MAY		
NOV			10...	1110	54.95
01...	0745	53.80	19...	0835	56.96
17...	1720	53.99	JUL		
DEC			13...	--	54.65
01...	0730	52.50	SEP		
JAN			14...	1100	54.95
01...	1120	54.33			
19...	0855	53.36			

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

ALACHUA COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
292909082095101	92920901 11S21E36 YEARLING REST. AT CROSS CREEK FL	29 29 09	082 09 51	01	83-05-19 83-09-14	58.45 58.24
292951082174001	THOMAS 66STA WELL NR MICANOPY	29 29 51	082 17 40	01	83-05-18 83-09-12	59.47 59.61
293020082060701	93020602 11S22E27 POLK FISH CAMP AT LOCHLOOSA FL	29 30 20	082 06 07	01	83-05-19 83-09-14	62.61 62.41
293148082251201	BRICE WELL NR KANAPAHA PRAIRIE FL	29 31 48	082 25 12	01	83-05-18 83-09-12	56.36 53.83
293203082200601	CHITTY WELL AT KIRKWOOD FL	29 32 03	082 20 06	01	83-05-18 83-09-12	59.94 59.55
293253082055701	DRISCOLL WELL NR LOCHLOOSA FL	29 32 53	082 05 57	01	83-05-19 83-09-14	74.20 73.69
293301082153501	JENSEN WELL NR MICANOPY FL	29 33 01	082 15 35	01	83-05-19 83-09-14	61.86 61.45
293329082243801	PARISH WELL NR WACAHOOTA FL	29 33 29	082 24 38	01	83-05-18 83-09-12	52.74 50.62
293542082253801	USGS/HOWELL WELL AT KANAPAHA FL	29 35 42	082 25 38	01	83-05-18 83-09-15	52.01 50.36
293548082044102	TITUS WELL AT HAWTHORN FL	29 35 48	082 04 41	02	83-05-19 83-09-14	81.34 80.96
293623082181201	ACPCD 2 MONITOR WELL NR ALACHUA SK NR G'VILLE FL	29 36 23	082 18 12	01	83-05-19 83-09-15	57.70 56.90
293625082181001	DNR DIST 3 HQ SUPPLY WELL NR GAINESVILLE FL	29 36 25	082 18 10	01	83-05-19 83-06-28 83-09-15	55.34 55.34 55.26
293631082180501	ACPCD WELL N OF ALACHUA SINK NR GAINESVILLE FL	29 36 31	082 18 05	01	83-05-19 83-09-15	55.22 55.13
293634082144901	HOLBACK WELL NR AT NEWNANS LAKE NR GAINESVILLE FL	29 36 34	082 14 49	01	83-05-19 83-09-15	66.40 65.94
293644082244201	RUB MONITOR 1 WELL AT KANAPAHA FL	29 36 44	082 24 42	01	83-05-18 83-09-15 83-09-15	53.10 51.95 50.55
293644082244202	RUB MONITOR 1 DEEP AT KANAPAHA FL	29 36 44	082 24 42	02	83-05-18	49.63
293645082202701	93622003 TABOR MOTEL WELL AT GAINESVILLE FL	29 36 45	082 20 27	01	83-05-18 83-09-15	56.63 55.38
293719082250801	RUB MONITOR 3 AT KANAPAHA FL	29 37 19	082 25 08	01	83-05-18 83-09-15	51.32 51.12
293719082250802	RUB MONITOR 3 DEEP AT KANAPAHA FL	29 37 19	082 25 08	02	83-05-18 83-09-15	52.68 51.32
293723082120102	93721202 10S21E15 D SURRENCY WELL NR WINDSOR FL	29 37 23	082 12 01	02	83-05-19 83-09-15	79.96 79.46

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

ALACHUA COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
293723082245701	RUB MONITOR 2 AT KANAPAHA FL	29 37 23	082 24 57	01	83-05-18 83-09-15	53.40 51.52
293723082245702	RUB MONITOR WELL 2 DEEP AT KANAPAHA FL	29 37 23	082 24 57	02	83-05-18 83-09-15	52.42 52.93
293737082212501	937221 UNIV OF FLA E6 ENTOMOLOGY BL AT G'VILLE FL	29 37 37	082 21 25	01	83-09-15	64.41
293823082170301	93821702 HILLCREST TRL PK HAWTHORNE RD AT G'VILLE FL	29 38 23	082 17 03	01	83-09-15	50.79
293830082252201	RUB MONITOR 4 AT KANAPAHA FL	29 38 30	082 25 22	01	83-05-18 83-09-12	43.91 43.99
293830082252202	RUB MONITOR 4 DEEP AT KANAPAHA FL	29 38 30	082 25 22	02	83-05-18 83-09-12	47.11 45.29
293833082215201	MUSEUM DR & RADIO RD TEST WELL NR GAINESVILLE FL	29 38 33	082 21 52	01	83-05-18 83-09-13	58.35 56.32
293836082214801	TEST WELL NR R2 DRAINAGE WELL NR GAINESVILLE FL	29 38 36	082 21 48	01	83-05-18 83-09-15	58.57 59.59
293837082214901	GARDEN TEST WELL NR GAINESVILLE FL	29 38 37	082 21 49	01	83-05-18	57.85
293857082203901	UNIV OF FLA GEOLOGY DEPT WELL GAINESVILLE FL	29 38 57	082 20 39	01	83-05-19 83-09-13	51.24 52.30
293920082153601	SR 26 ROAD PRISON WELL NR GAINESVILLE FL	29 39 20	082 15 36	01	83-05-17	62.51
294121082231801	PINE GROVE CHURCH AT GAINESVILLE FL	29 41 21	082 23 18	01	83-05-18 83-09-12	48.47 50.70
294209082173101	RUB WELL N-7 AT GAINESVILLE FL	29 42 09	082 17 31	01	83-05-19	41.31
294228082181801	94221804 CITY WELL N-6 AT GAINESVILLE FL	29 42 28	082 18 18	01	83-09-14	37.39
294259082083401	ORANGE HTS BAPTIST CHURCH WELL AT ORANGE HEIGHTS FL	29 42 59	082 08 34	01	83-05-19 83-09-14	79.99 79.89
294326082211801	OWENS-ILLINOIS-BACKYARD AT GAINESVILLE FL	29 43 26	082 21 18	01	83-05-18 83-09-12	47.89 47.91
294415082170701	NEWMANS WELL NR FAIRBANKS FL	29 44 15	082 17 07	01	83-05-19 83-09-14	60.93 60.08
294501082131001	CARY MEMORIAL FOREST WELL NR WALDO FL	29 45 01	082 13 10	01	83-05-19	73.43



GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

ALACHUA COUNTY

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/I AS CACO3) (00900)
293625082181001 - SUPPLY WELL, FLORIDA DNR, DIST 3 HQ NEAR GAINESVILLE, FL (LAT 29 36 25 LONG 082 18 10)												
JUN , 1983												
28...	1415	--	345	--	7.4	--	--	--	--	<1	<1	--
293737082212501 - 937221- UNIV OF FLORIDA, E 6, ENTOMOLOGY BLDG, GAINESVILLE, FL (LAT 29 37 37 LONG 082 21 25)												
FEB , 1983												
15...	1040	65	465	450	6.8	7.3	--	0	<1	<1	<1	206
293744082244401 - 93722405 - MODELL HOUSE, HAILE SINK NEAR GAINESVILLE, FL (LAT 29 37 44 LONG 082 24 44)												
DEC , 1982												
14...	0940	--	520	633	--	6.8	21.5	40	<1	<1	<1	290
293744082245501 - 93722404 - DICKENSON PASTURE, NEAR GAINESVILLE, FL (LAT 29 37 44 LONG 082 24 55)												
DEC , 1982												
14...	1030	--	480	659	--	6.8	22.0	5	<1	<1	<1	339
293833082215201 - MUSEUM DR & RADIO RD TEST WELL, NEAR GAINESVILLE, FL (LAT 29 38 33 LONG 082 21 52)												
JUN , 1983												
28...	1130	140	525	--	7.2	--	--	--	--	<1	<1	--
30...	1100	140	--	576	--	6.9	--	--	--	<1	<1	264
293836082214801 - TEST WELL NEAR R2 DRAINAGE WELL, NEAR GAINESVILLE, FL (LAT 29 38 36 LONG 082 21 48)												
MAY , 1983												
10...	1440	58	675	684	6.5	7.3	22.5	--	<1	<1	<1	291
293837082214901 - GARDEN TEST WELL NEAR GAINESVILLE, FL (LAT 29 38 37 LONG 082 21 49)												
MAR , 1983												
03...	1230	105	500	498	6.2	7.4	25.0	15	<1	<1	R5	205

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

ALACHUA COUNTY--Continued

DATE	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3) (95902)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
293625082181001 - SUPPLY WELL, FLORIDA DNR, DIST 3 HQ, NEAR GAINESVILLE, FL (LAT 29 36 25 LONG 082 18 10)												
JUN , 1983 28...	--	--	--	--	--	--	--	--	--	--	--	--
293737082212501 - 937221 - UNIV OF FLORIDA, E 6, ENTOMOLOGY BLDG, GAINESVILLE, FL (LAT 29 37 37 LONG 082 21 25)												
FEB , 1983 15...	0	.00	75	4.6	10	3.1	215	2.4	14	.3	5.1	269
293744082244401 - 93722405 - MODELL HOUSE, HAILE SINK NEAR GAINESVILLE, FL (LAT 29 37 44 LONG 082 24 44)												
DEC , 1982 14...	11	11	110	3.6	22	.4	279	<5.0	40	.1	9.0	377
293744082245501 - 93722404 - DICKENSON PASTURE, NEAR GAINESVILLE, FL (LAT 29 37 44 LONG 082 24 55)												
DEC , 1982 14...	0	.00	130	3.4	9.0	.1	350	8.0	9.1	<.1	9.4	417
293833082215201 - MUSEUM DR & RADIO RD TEST WELL, NEAR GAINESVILLE, FL (LAT 29 38 33 LONG 082 21 52)												
JUN , 1983 28... 30... <sup>a/</sup>	-- 93	-- --	-- 94	-- 7.0	-- 13	-- 1.7	-- 171	-- 67	-- 20	-- .4	-- 9.6	-- 382
293836082214801 - TEST WELL NEAR R2 DRAINAGE WELL, NEAR GAINESVILLE, FL (LAT 29 38 36 LONG 082 21 48)												
MAY , 1983 10...	20	--	100	10	24	1.8	271	45	36	.3	14	366
293837082214901 - GARDEN TEST WELL NEAR GAINESVILLE, FL (LAT 29 38 37 LONG 082 21 49)												
MAR , 1983 03...	36	37	69	7.8	21	2.3	169	45	31	.4	9.5	312

<sup>a/</sup> Sample contains high concentration of suspended sediment.

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

## ALACHUA COUNTY--Continued

DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIIUM, DIS- SOLVED (UG/L AS BA) (01005)
293625082181001 - SUPPLY WELL, FLORIDA DNR, DIST 3 HQ, NEAR GAINESVILLE, FL (LAT 29 36 25 LONG 082 18 10)											
JUN , 1983											
28...	.01	.010	.02	.620	.30	.92	.94	.590	.290	--	--
293737082212501 - 937221 - UNIV OF FLORIDA, E 6, ENTOMOLOGY BLDG, GAINESVILLE, FL (LAT 29 37 37 LONG 082 21 25)											
FEB , 1983											
15...	.01	.010	.02	2.00	.18	2.18	2.2	.590	.150	2	14
293744082244401 - 93722405 - MODELL HOUSE, HAILE SINK NEAR GAINESVILLE, FL (LAT 29 37 44 LONG 082 24 44)											
DEC , 1982											
14...	.00	.000	.000	.400	.12	.52	.52	.360	.290	1	15
293744082245501 - 93722404 - DICKENSON PASTURE NEAR GAINESVILLE, FL (LAT 29 37 44 LONG 082 24 55)											
DEC , 1982											
14...	.12	.000	.12	.020	.53	.53	.65	.150	.110	1	9
293833082215201 - MUSEUM DR & RADIO RD TEST WELL, NEAR GAINESVILLE, FL (LAT 29 38 33 LONG 082 21 52)											
JUN , 1983											
28...	.02	.010	.03	.100	.78	.88	.91	.150	.030	--	--
30... <sup>a/</sup>	.01	.010	.02	.010	13	13.0	13	75.0	.210	31	<100
293836082214801 - TEST WELL NEAR R2 DRAINAGE WELL, NEAR GAINESVILLE, FL (LAT 29 38 36 LONG 082 21 48)											
MAY , 1983											
10...	.10	>.000	.10	.090	.02	.11	.21	.520	.460	1	17
293837082214901 - GARDEN TEST WELL NEAR GAINESVILLE, FL (LAT 29 38 37 LONG 082 21 49)											
MAR , 1983											
03...	.01	.010	.02	.200	.18	.38	.40	1.70	.440	3	11

<sup>a/</sup> Sample contains high concentration of suspended sediment.

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

ALACHUA COUNTY--Continued

DATE	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
293625082181001	- SUPPLY WELL, FLORIDA DNR, DIST 3 HQ, NR GAINESVILLE, FL (LAT 29 36 25 LONG 082 18 10)										
JUN , 1983											
28...	--	--	--	--	--	--	--	--	--	--	--
293737082212501	- 937221 - UNIV OF FLORIDA, E 6, ENTOMOLOGY BLDG, GAINESVILLE, FL (LAT 29 37 37 LONG 082 21 25)										
FEB , 1983											
15...	<1	10	2	2300	12	59	.2	<1	<1	90	38
293744082244401	- 93722405 - MODELL HOUSE, HAILE SINK NEAR GAINESVILLE, FL (LAT 29 37 44 LONG 082 24 44)										
DEC , 1982											
14...	<1	10	3	1900	3	66	<.1	<1	<1	110	8
293744082245501	- 93722404 - DICKENSON PASTURE NEAR GAINESVILLE, FL (LAT 29 37 44 LONG 082 24 55)										
DEC , 1982											
14...	<1	10	4	450	3	6	<.1	<1	<1	120	17
293833082215201	- MUSEUM DR & RADIO RD TEST WELL NEAR GAINESVILLE, FL (LAT 29 38 33 LONG 082 21 52)										
JUN , 1983											
28...	--	--	--	--	--	--	--	--	--	--	--
30... <sup>a/</sup>	2	10	8	2000	17	10	.1	3	1	150	20
293836082214801	- TEST WELL NEAR R2 DRAINAGE WELL, NEAR GAINESVILLE, FL (LAT 29 38 36 LONG 082 21 48)										
MAY , 1983											
10...	2	<10	5	100	13	42	.3	<1	<1	320	16
293837082214901	- GARDEN TEST WELL NEAR GAINESVILLE, FL (LAT 29 38 37 LONG 082 21 49)										
MAR , 1983											
03...	<1	<10	2	370	10	47	.2	<1	<1	480	11

<sup>a/</sup> Sample contains high concentration of suspended sediment.

WATER RESOURCES DATA FOR FLORIDA, 1983  
Volume 1B: Northeast Florida

KEY TO SITE LOCATIONS ON FIGURE 8  
BAKER COUNTY

Index number	Site number	Page number
1	301535082162001	25
2	302251082194901	25
3	302610082143001	26
4	302620082173501	26

WATER RESOURCES DATA FOR FLORIDA, 1983  
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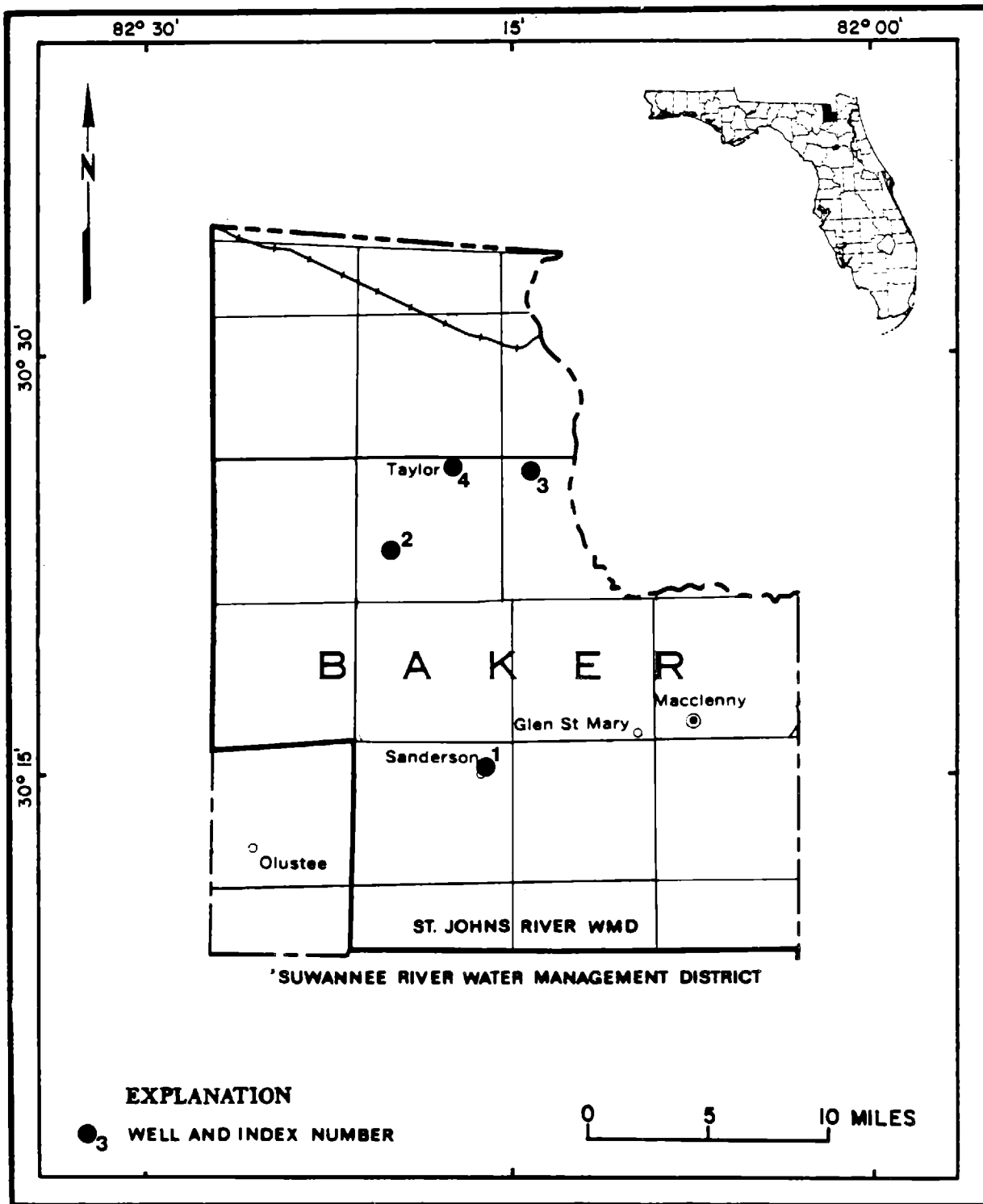


Figure 8. Location of wells in Baker County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## BAKER COUNTY

WELL NUMBER.--301535082162001. Local Number B-11. USGS Observation Well at Sanderson, FL.

LOCATION.--Lat 30°15'35", long 82°16'20", in SW¼NW¼SW¼ sec.1, T.3. S., R.20 E., Hydrologic Unit 03070204, 0.4 mi northwest of Sanderson Public School, and 0.7 mi, north of U.S. Highway 90 in Sanderson.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 6 in, depth 825 ft, cased to 282 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 6 in coupling, 2.30 ft above land-surface datum.

DATUM.--Land-surface datum is 157.68 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1963 to current year (bimonthly). Records of water levels prior to 1975 are available in files of Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.05 ft NGVD, Mar. 1, 1965; lowest measured, 48.57 ft NGVD, July 30, 1979.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
21...	1040	54.65	31...	1225	57.10
DEC			JUN		
08...	0930	54.10	27...	1245	57.10
JAN			JUL		
19...	0940	54.60	27...	1200	56.66
MAR			AUG		
23...	0930	57.81	30...	1025	56.14
MAY			SEP		
03...	1200	59.36	12...	1105	55.81
16...	1150	58.80			

WELL NUMBER.--302251082194901. Local Number ONF No. 6 Floridan. USGS Observation Well near Taylor, FL.

LOCATION.--Lat 30°22'51", long 82°19'49", NE¼SE¼NW¼ sec.29, T.1. S., R.20 E., Hydrologic Unit 03070204, 500 ft south of U.S. Forest Road 232, in Osceola National Forest, 700 ft east of intersection of U.S. Forest Road 232 and State Highway 250, and 5 mi south of Taylor.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 338 ft, cased to 320 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top edge of shelter floor, 2.70 ft above land-surface datum.

DATUM.--Land-surface datum is 127.77 ft National Geodetic Vertical Datum of 1929 (levels by L. L. Lee and Associates).

REMARKS.--Records furnished by Suwannee River Water Management District.

PERIOD OF RECORD.--August of 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 58.17 ft NGVD, Apr. 23, 1983; lowest, 48.36 ft NGVD, Aug. 4,5,10, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	52.38	52.16	52.06	52.25	53.61	55.32	57.20	57.73	---	54.83	54.12	53.59
10	52.45	51.99	51.89	52.59	54.29	55.64	57.31	57.31	---	55.02	54.21	53.43
15	52.40	52.02	52.03	52.68	54.36	55.85	57.66	56.95	---	54.89	54.14	53.46
20	52.24	51.98	52.01	52.78	54.67	56.30	57.89	56.55	---	54.63	54.08	53.51
25	52.20	51.83	51.89	52.96	55.19	56.44	57.96	56.36	---	54.45	53.85	53.42
EOM	52.14	51.98	52.10	53.32	55.44	57.17	57.68	56.07	54.82	54.13	53.80	53.54
MEAN	52.31	52.05	52.00	52.70	54.41	56.01	57.60	56.91	55.24	54.68	54.06	53.53
MAX	52.46	52.36	52.29	53.32	55.44	57.17	58.17	57.83	55.92	55.02	54.27	53.79
MIN	52.12	51.83	51.79	52.15	53.43	55.21	57.20	56.07	54.82	54.13	53.80	53.39
WTR YR 1983	MEAN	54.22	MAX	58.17	APR 23 AND OTHERS	MIN	51.79	DEC	8			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## BAKER COUNTY

WELL NUMBER.--302610082143001. Local Number B-12. Baker County Well near Taylor, FL.

LOCATION.--Lat 30°26'10", long 82°14'30", in NE&NE&SE&, sec.6, T.1. S., R.21 E., Hydrologic Unit 03070204, 70 ft west of Taylor Elementary School, 545 ft south of State Highway 122, and 2.9 mi east of Taylor.

AQUIFER.--Hawthorn sand of the intermediate aquifer system, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 2 in, depth 198 ft, cased to 102 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 2 in casing, 0.50 ft above land surface datum.

DATUM.--Altitude of land-surface datum is 120 ft from topographic map.

REMARKS.--Pump was on well from August 1981 to June 1982, no readings were obtained during this period.

PERIOD OF RECORD.--December 1960 to current year (bimonthly). Records of water levels prior to 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.96 ft below land-surface datum Sept. 15, 1964; lowest measured, 22.12 ft below land-surface datum, Dec. 5, 1978.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			MAY		
21...	1221	18.42	03...	1230	18.53
DEC			16...	1255	17.70
08...	1245	19.92	JUL		
JAN			27...	1430	18.32
19...	1205	21.70			
MAR					
23...	1230	16.70			



WATER RESOURCES DATA FOR FLORIDA, 1983  
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KEY TO SITE LOCATIONS ON FIGURE 9  
BREVARD COUNTY

Index number	Site number	Page number
1	275508080510701	29
2	275955080434601	29
3	282245080471601	30

WATER RESOURCES DATA FOR FLORIDA, 1983  
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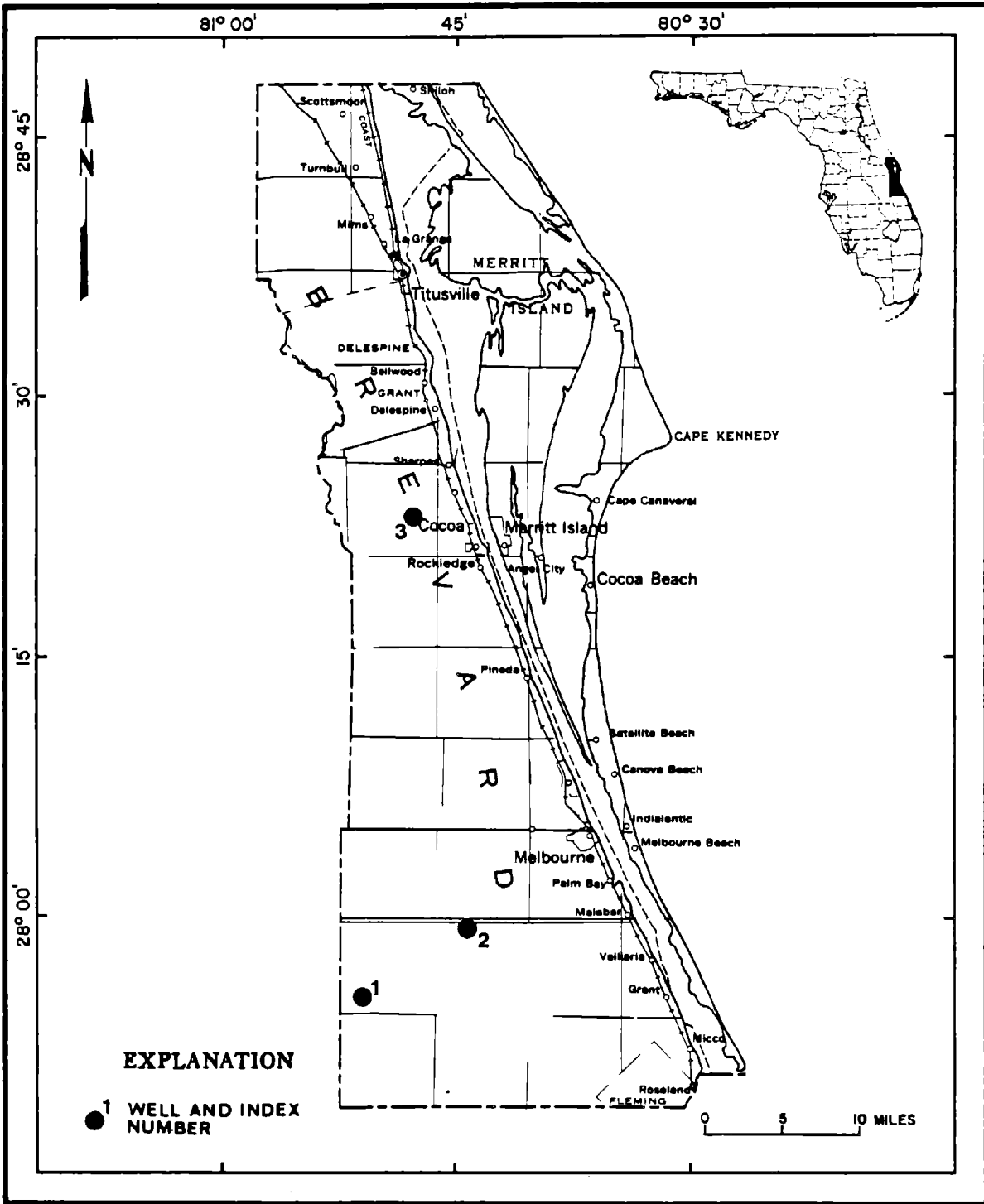


Figure 9. Location of wells in Brevard County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## BREVARD COUNTY

WELL NUMBER.--275508080510701. Local Number 755-051-001. Ten-Mile Ranch Well near Kenansville, FL.

LOCATION.--Lat 27°55'08", long 80°51'07", in SW¼SW¼NW¼ sec.32, T.29 S., R.35 E., Hydrologic Unit 03080101, 2,500 ft west of private road, 10 mi east of U.S. Highway 441, and 8 mi east of Kenansville.

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

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 3 in, depth 272 ft, casing unknown.

INSTRUMENTATION.--Pressure gage measured. Measuring point: Top of concrete slab, 0.51 ft above land-surface datum.

DATUM.--Land-surface datum is 28.07 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, land-surface datum was considered to be 28 ft, from topographic map.

REMARKS.--The figures of water levels as elevation NGVD prior to Oct. 1, 1979, have been revised. Revised records are available in files of the Geological Survey.

PERIOD OF RECORD.--June 1956 (annually); 1957 (semiannually); May 1973 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.07 ft NGVD, July 11, 1957; lowest measured, 37.12 ft NGVD, May 13, 1974.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
FEB			JUN		
23...	1430	43.38	09...	1630	41.58
APR			AUG		
18...	1615	43.88	09...	1140	41.88
MAY					
16...	1018	39.68			

WELL NUMBER.--275955080434601. Local Number 759-043-02. Platt Well near Melbourne, FL.

LOCATION.--Lat 27°59'55", long 80°43'46", in NE¼NE¼NW¼ sec.4, T.29 S., R.36 E., Hydrologic Unit 03080203, on south side of extension of State Highway 514, 3.5 mi west of State Highway 509, and 9.5 mi southwest of Melbourne.

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

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 4 in, depth 447 ft, cased to 125 ft.

INSTRUMENTATION.--Pressure-gage measured. Measuring point: Top of 4 in tee, 1.25 ft above land-surface datum.

DATUM.--Land-surface datum is 21.78 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, land-surface datum was considered to be 22.09 ft.

PERIOD OF RECORD.--August 1934, July 1942, November 1946 (annually); May 1947 to December 1949 (semiannually); January 1950 to November 1975 (bimonthly); December 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.53 ft NGVD, Aug. 14, 1934; lowest measured, 34.23 ft NGVD, May 19, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			MAY		
01...	1205	42.33	16...	1555	39.83
DEC			31...	1020	38.73
03...	0940	44.03	JUL		
JAN			01...	1100	41.13
31...	1020	43.83	AUG		
FEB			01...	1110	40.33
28...	1110	45.33	31...	1100	43.53
APR			SEP		
01...	0930	43.53	14...	1658	40.73
MAY			29...	1015	42.13
02...	1025	42.83			



MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

BREVARD COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
274925080361701	749036002 30S37E35 433 37527 NR FELLSMERE FL	27 49 25	080 36 17	01	83-05-19 83-09-14	41.06 40.86
275047080524301	750052001 30S34E25 241 38019 NR KENANSVILLE FL	27 50 47	080 52 43	01	83-05-19	41.40
275125080485501	751048003 30S35E22 123 31139 NR KENANSVILLE FL	27 51 25	080 48 55	01	83-05-16 83-09-14	39.50 35.00
275422080374001	754037007 29S37E04 232 09840 N OF FELLSMERE FL	27 54 22	080 37 40	01	83-05-19 83-09-14	37.80 39.20
275425080283101	754028002 30S39E06 321 01015 S OF BALLARD PINES FL	27 54 25	080 28 31	01	83-05-17 83-09-13	33.07 35.07
275435080311001	754031001 29S38E34 343 04383 CO PARK NR GRANT FL	27 54 35	080 31 10	01	83-05-19 83-09-13	33.70 36.00
275508080510701	75505101 TEN-MILE RANCH NR KENANSVILLE FL	27 55 08	080 51 07	01	83-02-23 83-04-18 83-05-16 83-06-09 83-08-09	43.38 43.88 39.68 41.58 41.88
275629080504901	756050001 29S35E20 243 22042 NR KENANSVILLE FL	27 56 29	080 50 49	01	83-09-14	41.67
275720080300601	757030004 29S38E14 334 01412 NR MELBOURNE SHORES FL	27 57 20	080 30 06	01	83-05-17	34.70
275831080513501	758051001 29S35E07 432 37588 NR KENANSVILLE FL	27 58 31	080 51 35	01	83-05-16 83-09-14	40.47 42.37
275948080393501	759039005 29S37E06 322 37578 NR MALABAR FL	27 59 48	080 39 35	01	83-05-16 83-09-13	38.05 38.95
280008080342601	800034072 28S37E36 424 08182 MILLWKS NR MALABAR FL	28 00 08	080 34 26	01	83-05-16 83-09-13	32.15 33.23
280256080325601	802032002 28S38E17 432 1645 S OF MELBOURNE BCH FL	28 02 56	080 32 56	01	83-05-17 83-09-13	27.10 28.90
280343080510001	803050002 28S35E08 341 37590 NR DEER PARK FL	28 03 47	080 50 50	01	83-05-16 83-09-12	40.90 41.50
280348080431201	803043006 28S36E10 313 37563 NR W MELBOURNE FL	28 03 38	080 43 12	01	83-05-16 83-09-15	39.40 40.60
280532080514501	805051003 27S35E31 331 30139 NR DEER PARK FL	28 05 32	080 51 45	01	83-09-14	41.50
280534080465101	805046002 27S35E36 331 37472 SJWMD E OF DEER PK FL	28 05 34	080 46 51	01	83-05-16 83-09-14	38.63 41.03
280653080422701	806042001 27S36E22 144 37464 N OF MELBOURNE VILL FL	28 06 53	080 42 27	01	83-05-19 83-09-15	37.83 39.13
281109080373701	811037014 26S37E33 122 18134 NW OF SATELLITE BCH FL	28 11 09	080 37 37	01	83-05-17 83-09-15	28.42 29.02
281129080434101	811043002 26S36E28 414 28429 NR EAU GALLIE FL	28 11 29	080 43 41	01	83-05-19	37.60
281215080474601	812047001 26S35E23 234 28390 DUDA W OF PINEDA FL	28 12 12	080 47 31	02	83-05-19 83-09-15	37.70 38.90

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

BREVARD COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
281306080401201	813040016 26S37E18 233 24103 MHP S OF PINEDA FL	28 13 06	080 40 12	01	83-05-19 83-09-12	31.42 32.22
281347080433201	813043-- 26S36E09 DUDA B-3 W OF PINEDA FL	28 13 47	080 43 32	01	83-05-19 83-09-12	33.40 35.40
281447080392601	814039076 26S36E06 444 37577 BOGGS NR LOTUS FL	28 14 47	080 39 26	01	83-05-17 83-09-15	28.32 29.12
281509080363001	815036012 26S37E03 224 01562 S OF COCOA BEACH FL	28 15 09	080 36 30	01	83-05-17 83-09-13	28.20 28.50
281744080444001	817044004 25S36E20 I-95 & FISKE BLVD ROCKLEDGE FL	28 17 44	080 44 40	01	83-05-18 83-09-12	32.74 33.34
281905080375001	819037196 25S37E16 212 27337 COCOA BEACH FL	28 19 05	080 37 50	01	83-05-17 83-09-13	21.15 21.15
282204080514301	822051001 24S35E30 342 00767 L POINSETT NR COCOA FL	28 22 02	080 51 26	01	83-05-18 83-09-12	31.18 30.38
282427080353301	JETTY PARK CAPE CANAVERAL FL	28 24 27	080 35 33	01	83-05-17 83-09-13	17.79 19.83
282458080420701	824042001 24S36E11 241 00301 MERRITT ISLAND FL	28 24 58	080 42 07	01	83-05-17 83-09-15	15.67 16.07
282647080331301	826033001 23S38E32 321 28485 CAPE CANAVERAL FL	28 26 47	080 33 13	01	83-05-17 83-09-13	21.80 22.10
282929080343601	829034001 23S37E13 222 28488 CAPE KENNEDY AFB FL	28 29 29	080 34 36	01	83-05-17 83-09-13	18.08 17.88
283236080535101	832053001 22S34ESG --- 00773 TITUSVILLE FL	28 32 36	080 53 51	01	83-05-18 83-09-12	18.10 18.50
283644080574901	836057003 22S34E06 111 00777 TITUSVILLE FL	28 36 44	080 57 49	01	83-05-18 83-09-13	17.80 17.80
283835080424501	838042002 21S36E27 WILDLIFE REF. E OF TITUSVILLE FL	28 38 35	080 42 45	01	83-05-17 83-09-13	9.35 10.80
283906080514501	839051005 21S35E19 431 00864 NR MIMS FL	28 39 06	080 51 45	01	83-05-18 83-09-13	12.74 12.80
283955080565701	PB PLASTIC W OF MIMS FL	28 39 55	080 56 57	01	83-05-18 83-09-13	13.13 13.37
284116080514001	841051226 21S35E06 343 05242 MHP AT MIMS FL	28 41 16	080 51 42	01	83-05-18 83-09-13	5.95 5.82

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

BREVARD COUNTY

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
280125080354701 - 80103501 - CITY OF PORT MALABAR, FL NO 6 (LAT 28 01 25 LONG 080 35 47)											
JAN , 1983						SEP , 1983					
31...	1100	80	--	990	160	29...	1130	80	970	--	170
280126080534850 - COMPOSITE - PORT MALABAR WELL FIELD AT PORT MALABAR, FL (LAT 28 01 26 LONG 080 53 48)											
APR , 1983						JUL , 1983					
01...	1000	--	--	740	100	01...	1125	--	970	--	120
26...	1215	--	--	820	120						
MAY											
31...	1045	--	--	885	120						
283706080501450 - COMPOSITE - TITUSVILLE WATER PLANT AT TITUSVILLE, FL (LAT 28 37 06 LONG 080 50 14)											
MAR , 1983						JUN , 1983					
30...	0830	--	--	630	60	29...	0840	--	--	--	63
APR						SEP					
28...	0830	--	--	640	65	29...	0835	--	665	--	60
MAY											
31...	0810	--	--	376	37						
283731080495801 - 837049009 - 21S35E32 242 00836 MIMS, FL 22 (LAT 28 37 31 LONG 080 49 58)											
DEC , 1982						JAN , 1983					
01...	0820	99	--	740	98	31...	1000	99	--	580	39

WATER RESOURCES DATA FOR FLORIDA, 1983  
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KEY TO SITE LOCATIONS ON FIGURE 10  
CLAY COUNTY

Index number	Site number	Page number
1	294807082020903	36
2	300649081485901	36
3	300656081463401	37
4	300834081421301	37
5	300957081423501	38



WATER RESOURCES DATA FOR FLORIDA, 1983  
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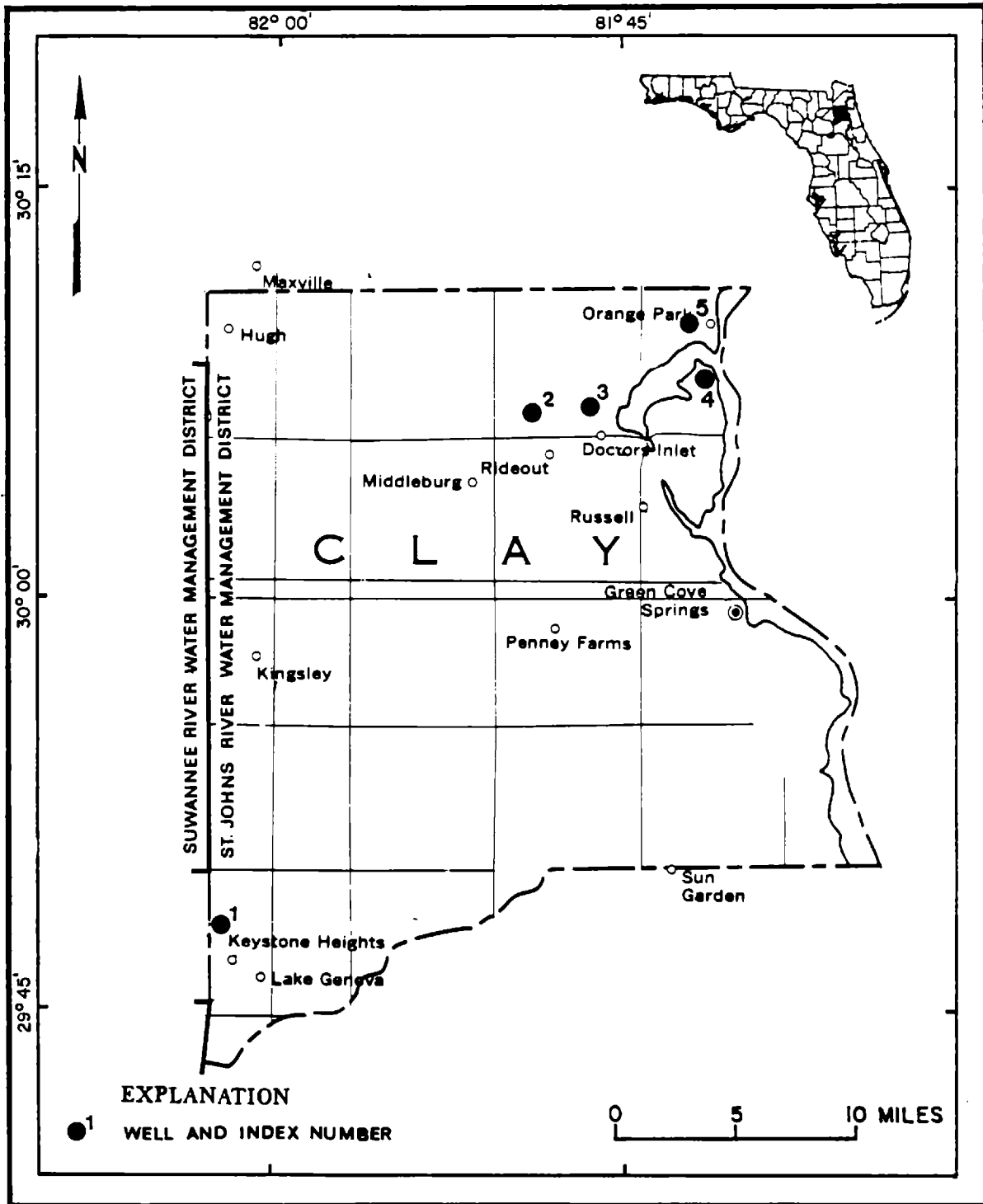


Figure 10. Location of wells in Clay County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## CLAY COUNTY

WELL NUMBER.--294807082020903. Local Clay Number 948-202-8. USGS Observation Well at Keystone Heights, FL.

LOCATION.--Lat 29°48'07", long 82°02'09", in NW¼NE¼ sec.18, T.8 S., R.23 E., Hydrologic Unit 03080103, on graded road on west side of Brooklyn Lake, 1.2 mi north of intersection of State Highways 100 and 21 at Keystone Heights.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 250 ft, cased to 193 ft.

INSTRUMENTATION.--Water level recorder. Measuring point: Top of 6 in coupling, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 145.16 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1960 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 89.50 ft NGVD, Oct. 31, 1960; lowest, 79.77 ft NGVD, Dec. 11, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	84.03	83.86	83.76	83.52	83.54	83.98	84.84	85.73	85.63	85.74	85.76	85.68
10	84.05	83.93	83.72	83.61	83.82	84.26	85.10	85.74	85.52	85.67	85.81	85.54
15	84.02	83.94	83.73	83.41	83.78	84.37	85.19	85.71	85.47	85.65	85.92	85.81
20	83.90	83.87	83.70	83.55	83.81	84.70	85.25	85.60	85.61	85.62	85.78	85.93
25	83.92	83.71	83.59	83.47	84.02	84.62	85.54	85.32	85.59	85.66	85.62	85.91
EOM	83.91	83.86	83.47	83.52	84.16	84.95	85.76	85.56	85.81	85.72	85.71	85.96
MEAN	83.99	83.90	83.68	83.51	83.81	84.42	85.23	85.61	85.58	85.69	85.75	85.81
MAX	84.11	84.02	84.03	83.69	84.16	84.95	85.76	85.82	85.81	85.89	85.92	86.03
MIN	83.84	83.71	83.47	83.29	83.44	83.89	84.83	85.21	85.36	85.58	85.55	85.54
WTR YR 1983 MEAN	84.75		MAX	86.03 SEPT 21			MIN	83.29 JAN 13				

WELL NUMBER.--300649081485901. Local Number C-5. John Huntley Well near Middleburg, FL.

LOCATION.--Lat 30°06'49", long 81°48'59", SE¼SW¼SW¼ sec.28, T.4 S., R.25 E., Hydrologic Unit 03080103, 200 ft north of State Highway 21, 0.4 mi southwest of Little Black Creek, and 3.8 mi northeast of Middleburg.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 4 in, depth 530 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of flange of 4 in valve, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 24.02 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1940-41, 1944 to September 1978 (semiannually), January 1979 to current year (bimonthly). Records of water levels prior to May 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.92 ft NGVD, Apr. 26, 1944; lowest measured, 38.32 ft NGVD, June 22, July 28, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
20...	1512	43.52	02...	1135	45.72
DEC			16...	1555	44.02
07...	1440	43.62	JUL		
JAN			21...	0915	41.22
24...	1455	44.02	SEP		
MAR			12...	1425	42.12
28...	1005	45.02			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## CLAY COUNTY

WELL NUMBER.--300656081463401. Local Number C-94. USGS Test Well near Orange Park, FL.

LOCATION.--Lat 30°06'56", long 81°46'34", in SW¼SE¼SW¼, sec.26, T.4 S., R.25 E., Hydrologic Unit 03080103, at prison farm 150 ft east of State Highway 224, 1.5 mi south of intersection of State Highways 224 and 21, and 5.0 mi southwest of Orange Park.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 1,197 ft, cased to 391 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 12 in flange, 3.85 ft above land-surface datum.

DATUM.--Land-surface datum is 46.22 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1974 to April 1979 (quarterly), July 1979 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.59 ft NGVD, Feb. 28, 1983; lowest measured, 33.34 ft NGVD, May 21, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
27...	1200	40.28	02...	1035	40.77
NOV			16...	1545	39.58
29...	1400	40.46	31...	1045	39.14
DEC			JUN		
28...	0935	40.55	29...	1410	39.12
JAN			JUL		
24...	1505	40.50	21...	1325	37.15
FEB			AUG		
28...	1350	41.59	29...	1310	37.53
MAR			SEP		
22...	1440	41.41	13...	1115	37.89
APR					
29...	1100	41.17			

WELL NUMBER.--300834081421301. Local Number C-7. Hanson Well near Orange Park, FL.

LOCATION.--Lat 30°08'34", long 81°42'13", in land grant 44, T.4 S., R.26 E., Hydrologic Unit 03080103, 350 ft north of Creighton Road, 500 ft west of U.S. Highway 17, and 1.5 mi south of Orange Park.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 3 in, depth 550 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 3 in tee, 1.0 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 5.0 ft, from topographic map.

PERIOD OF RECORD.--May 1978 to September 1980 (biannually), May 1981 to current year (monthly). 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, 31.20 ft above land-surface datum, Mar. 24, 1983; lowest measured, 21.00 ft above land-surface datum, June 29, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			APR		
27...	1145	-29.20	29...	1030	-29.60
NOV			MAY		
29...	1330	-29.80	02...	1015	-29.40
DEC			17...	1100	-28.30
28...	0915	-29.60	31...	1020	-27.70
JAN			JUN		
24...	1030	-29.40	29...	1430	-26.30
FEB			JUL		
28...	1310	-30.60	28...	1410	-25.80
MAR			AUG		
24...	1240	-31.20	29...	1245	-23.80

NOTE.--Negative figures indicate water level above land surface.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## CLAY COUNTY

WELL NUMBER.--300957081423501. Local Number C-2. A. H. Harrington Well at Orange Park, FL.

LOCATION.--Lat 30°09'57", long 81°42'35", in land grant 41, T.4 S., R.26 E., Hydrologic Unit 03080103, 350 ft north of Kingsley Avenue, 150 ft east of Railroad Avenue at Orange Park.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 3 in, depth 450 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Concrete slab at base of spigot at land-surface datum.

DATUM.--Land surface datum is 15.80 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1934, 1958, 1966 to 1977 (annually), April 1979 to current year (bimonthly). Records of water levels prior to February 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.50 ft NGVD, May 16, 1934; lowest measured, 25.30 ft NGVD, May 12, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
DEC			MAY		
28...	1035	33.90	05...	1315	34.90
JAN			JUL		
24...	1525	34.70	21...	1415	29.20
MAR					
22...	1455	35.90			

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

## CLAY COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)	
294307082020903	C-943-202-3	COUNTYLINE NR MELROSE FL	29 43 07	082 02 09	03	83-09-12	87.76
294313082024601		MELROSE WELL AT MELROSE FL	29 43 13	082 02 46	01	82-10-05 82-11-03 83-01-05	86.67 86.54 85.94
295315081532201	C-113	MURRY NR KINGSLEY FL	29 53 17	081 53 22	01	83-09-12	78.63
295353081381901	C-111	WILLIAMSON NR GREEN COVE SPRINGS FL	29 53 53	081 38 19	01	83-05-16 83-09-13	33.50 33.20
295615081394701	C-36	HALL AND SON INC AT GREEN COVE SPGS FL	29 56 15	081 39 47	01	83-05-16 83-09-13	36.70 37.30
295835081515001	C-17	ST MARYS CRAFT CORP NR PENNY FARMS FL	29 58 35	081 51 50	01	83-05-16 83-09-14	74.18 73.48
295838081582501	C-104	CAMP BLANDING FL	29 58 38	081 58 25	01	83-05-16 83-09-15	74.08 72.91
295847081380601	C-78	J P HALL AT SHANDS BRIDGE	29 58 47	081 38 06	01	83-05-16 83-09-13	22.20 23.10
295900081403201	C-82	COL SANDERS AT GREEN COVE SPRINGS FL	29 59 00	081 40 32	01	83-05-16 83-09-13	26.50 26.50
300048081414301	C-30	IVY AT MAGNOLIA SPRINGS FL	30 00 48	081 41 43	01	83-05-16 83-09-13	35.27 32.67
300057081513501	C-56	SANDERS NR MIDDLEBURG FL	30 00 57	081 51 35	01	83-05-16	70.40
300242081532002	C-15	WILLIAMS NR MIDDLEBURG FL	30 02 42	081 53 20	02	83-09-14	59.32
300300081422501	C-16	FORESTRY AT FIRE TOWER	30 03 00	081 42 25	01	83-05-17 83-09-15	32.80 31.00
300450081482801	C-18	MUIR NR DOCTORS INLET FL	30 04 50	081 48 28	01	83-05-16 83-09-13	50.80 49.60
300604081441501	C-22	DAUGHARTY AT DOCTORS LAKE	30 06 04	081 44 15	01	83-05-16 83-09-14	36.20 34.60
300850081552001	C-29	JENNINGS NR HUGH FL	30 08 50	081 55 20	01	83-05-16 83-09-14	54.70 48.40
301018081415101	C-4	MCGRIFFIN AT ORANGE PARK FL	30 10 18	081 41 51	01	83-05-17 83-09-14	33.90 31.90

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KEY TO SITE LOCATIONS ON FIGURE 11  
DUVAL COUNTY

Index number	Site number	Page number
1	301422081541202	42
1	301422081541203	42
2	301522081331301	43
3	301551081415701	43
4	301725081584501	44
5	301817081374901	45
5	301817081374902	46
6	301852081234201	47
7	301900081342801	47
8	302304081383202	48
9	302307081293801	48
10	302410081443501	49
11	302416081522601	49
11	302416081522602	50
12	302608081354901	51
12	302608081354902	51
12	302608081354903	52
13	302801081375101	52

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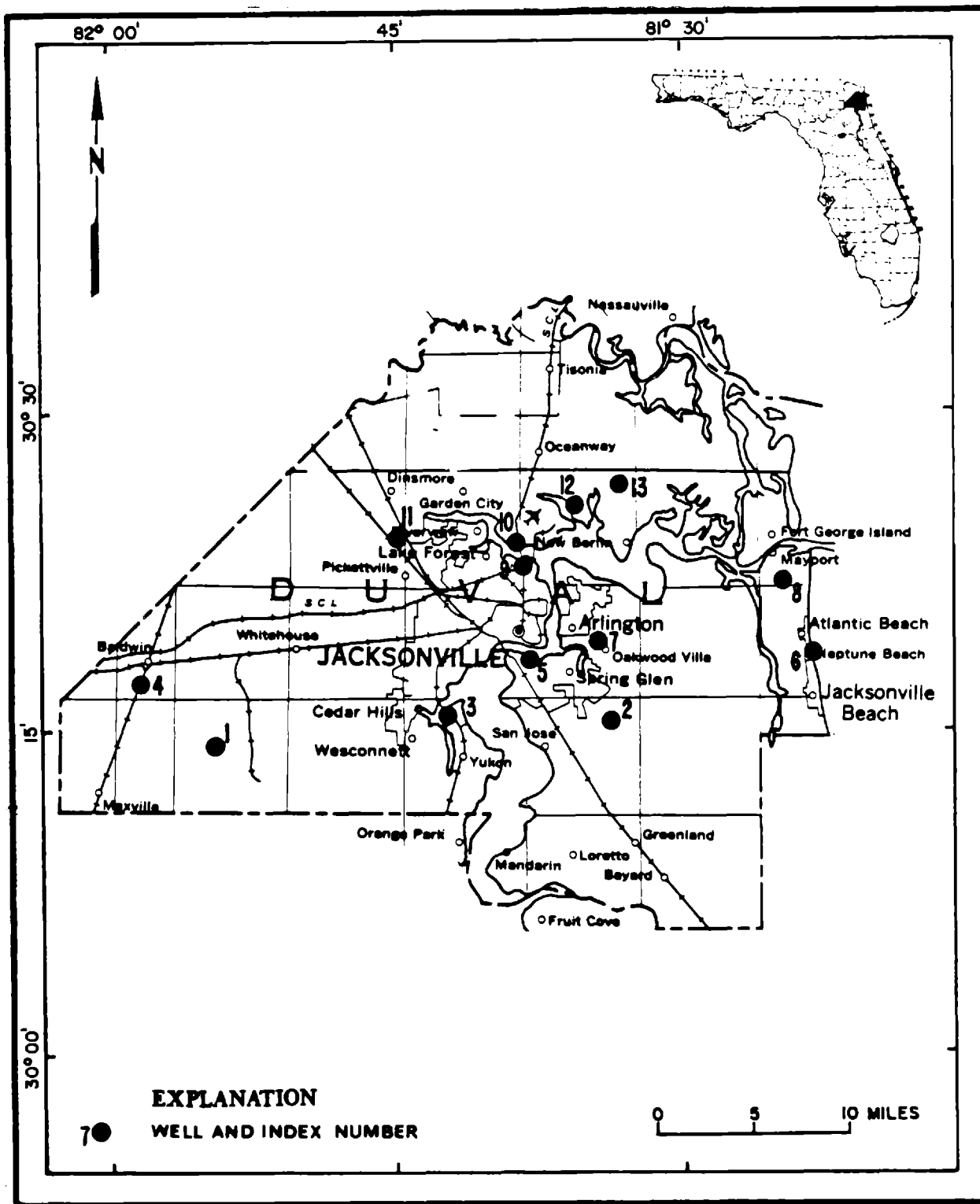


Figure 11. Location of wells in Duval County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## DUVAL COUNTY

WELL NUMBER.--301422081541202. Local Number DS-227. USGS Observation Well at Jacksonville, FL.

LOCATION.--Lat 30°14'22", long 81°54'12", in SW¼SE¼NE¼, sec.16, T.3 S., R.24 E., Hydrologic Unit 03080103, 200 ft south of Normandy Boulevard (State Highway 228) 0.8 mi west of main gate NAS Cecil Field in Jacksonville.

AQUIFER.--Hawthorn Formation of the intermediate aquifer system, Geologic Unit 122 HTRN.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 2 in, depth 401 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 2 in PVC casing, at land-surface datum.

DATUM.--Altitude of land-surface datum is 80 ft, from topographic map.

PERIOD OF RECORD.--January 1976, March to May 1977, February 1979 to current year (bimonthly). Records of water levels prior to 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.20 ft below land-surface datum, July 2, 1980; lowest measured, 34.30 ft below land-surface datum, July 29, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT 20...	1400	29.80	MAY 16...	1025	26.80
DEC 07...	1100	29.36	JUL 05...	1415	27.71
MAR 17...	1430	27.16			

WELL NUMBER.--301422081541203. Local Number DS-238. USGS Test Well at Jacksonville, FL.

LOCATION.--Lat 30°14'22", long 81°54'12", in SW¼SE¼NE¼, sec.16, T.3 S., R.24 E., Hydrologic Unit 03080103, 220 ft south of Normandy Boulevard (SR 228), 0.8 mi west of main gate NAS Cecil Field in Jacksonville.

AQUIFER.--Limestone aquifer of the intermediate aquifer system, Geologic Unit 122 LMSN.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 2 in, depth 101 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 2 in casing, at land-surface datum.

DATUM.--Altitude of land-surface datum is 80 ft, from topographic map.

PERIOD OF RECORD.--March 1976 to May 1977, February 1979 to current year (bimonthly). Records of water levels prior to 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.04 ft below land-surface datum, Sept. 25, 1979; lowest measured, 8.29 ft below land-surface datum, Jan 26, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT 20...	1405	3.32	MAR 16...	1115	4.30
DEC 07...	1110	5.08	JUL 05...	1420	2.89



## DUVAL COUNTY

WELL NUMBER.--301522081331301. Local Number D-291. Humphries Mining Company Well at Jacksonville, FL.

LOCATION.--Lat 30°15'22", long 81°33'13", in NW¼NE¼SW¼, sec.12, T.3 S., R.27 E., Hydrologic Unit 03080103, 2.2 mi south of U.S. Highway 90 (Beach Blvd.) and 200 ft east of U.S. Highway Alt. 1 in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 12 in, depth 1,246 ft cased to 520 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of iron plate on well at land-surface datum.

DATUM.--Altitude of land-surface datum is 60 ft, from topographic map.

PERIOD OF RECORD.--February 1973 to current year (monthly). Records of water levels prior to 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.87 ft below land-surface datum, April 4, 1973; lowest measured, 18.19 ft below land-surface datum, June 4, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			APR		
25...	0950	11.92	27...	1215	11.21
NOV			MAY		
29...	1145	11.97	31...	0925	12.52
DEC			JUN		
27...	0855	11.77	18...	1545	13.06
JAN			AUG		
27...	1140	11.58	02...	0815	13.43
FEB			30...	1330	13.53
25...	1355	11.26	SEP		
MAR			28...	0910	12.56
25...	0835	10.79			

WELL NUMBER.--301551081415701. Local Number D-129. K. A. Merrill Observation Well at Jacksonville, FL.

LOCATION.--Lat 30°15'51", long 81°41'57", in land grant 42, T.3 S., R.26 E., Hydrologic Unit 03080103, 44 ft north of Merrill Driveway, and 45 ft east of Ortega Boulevard in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 4 in, depth 600 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: 0.5 in corporation cock, 1.20 ft above land-surface datum.

DATUM.--Land-surface datum is 8.63 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1940 to April 1942, January to April 1944, August 1945 to September 1978 (semiannually), February 1979 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.93 ft NGVD; July 9, 1940; lowest measured, 22.93 ft NGVD, June 17, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
27...	1120	31.43	17...	1455	29.43
NOV			31...	1000	29.33
29...	1220	32.73	JUN		
DEC			28...	0943	27.83
28...	1100	32.83	JUL		
JAN			28...	1435	28.33
26...	1345	31.83	AUG		
FEB			29...	1350	26.63
28...	1145	32.63	SEP		
MAR			13...	1040	28.53
28...	1245	34.13			
APR					
27...	1340	34.63			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## DUVAL COUNTY

WELL NUMBER.--301725081584501. Local Number D-254. Seaboard Railroad Observation Well at Baldwin, FL.

LOCATION.--Lat 30°17'25", long 81°58'45", NE¼SW¼SW¼, sec.26, T.2 S., R.23 E., Hydrologic Unit 03080103, 0.5 mi east of U.S. Highway 301, and 0.4 mi north of Interstate Highway 10 on property of Seaboard Railroad in Baldwin.

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

WELL CHARACTERISTICS.--Drilled, industrial, artesian well, diameter 8 in, depth 750 ft.

INSTRUMENTATION.--Tape measured. Measuring point: 1.2 in tap in pump base, 1.80 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 85 ft, from topographic map.

PERIOD OF RECORD.--January 1961 to May 1962, May 1964 to September 1978 (annually), February 1979 to current year (bimonthly). Records of water levels prior to May 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.25 ft below land-surface datum, Jan. 11, 1961; lowest measured, 36.53 ft below land-surface datum, July 1, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			JUN		
21...	1310	32.57	29...	0940	30.55
DEC			JUL		
06...	1245	32.62	27...	1015	31.09
JAN			AUG		
27...	1445	31.86	30...	1245	31.38
MAR			SEP		
23...	0900	30.42	13...	1540	31.66
MAY					
16...	0907	29.42			
31...	1130	29.75			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## DUVAL COUNTY

WELL NUMBER.--301817081374901. Local Number D-425 Top Zone. USGS Observation Well at Jacksonville, FL.

LOCATION.--Lat 30°18'17", long 81°37'49", in land grant 55, T.2 S., R.27 E., Hydrologic Unit 03080103, 300 ft south of State Highway 10 (Atlantic Blvd.) and 450 ft north of U.S. Highway 90 (Beach Blvd.) in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 2,486 ft, cased to 752 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 8 in casing, 2.00 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 20 ft, from topographic map.

REMARKS.--Multiple completion packers set at 750 ft and 2,050 ft.

PERIOD OF RECORD.--September 1966 to current year (monthly). Records of water levels prior to 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.40 ft above land-surface datum, Oct. 19, 1966; lowest measured, 12.30 ft above land-surface datum, June 29, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			MAY		
25...	1330	-18.30	16...	1510	-18.80
NOV			31...	1020	-19.00
18...	0855	-18.40	JUN		
29...	1446	-18.50	28...	1510	-18.00
DEC			JUL		
27...	0830	-20.00	28...	1600	-16.90
JAN			AUG		
18...	1530	-17.70	30...	1105	-17.70
FEB			SEP		
25...	1425	-19.20	13...	1500	-16.80
MAR					
22...	1515	-19.80			

Note.--Negative values indicate water level above land surface.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## DUVAL COUNTY

WELL NUMBER.--301817081374902. Local Number D-425 Bottom Zone. USGS Observation Well at Jacksonville, FL.

LOCATION.--Lat 30°18'17", long 81°37'49", in land grant 55, T.2 S., R.27 E., Hydrologic Unit 03080103, 300 ft south of State Highway 10 (Atlantic Blvd.), and 450 ft north of U.S. Highway 90 (Beach Blvd.) in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 2,486 ft, cased to 752 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 8 in casing, 2.00 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 20 ft, from topographic map.

REMARKS.--Multiple completion packers set at 750 ft and 2,050 ft.

PERIOD OF RECORD.--September 1966 to current year (monthly). Records of water levels prior to 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.80 ft above land-surface datum, Dec. 19, 1966; lowest measured, 14.10 ft above land-surface datum, June 25, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			APR		
25...	1330	-21.10	29...	1530	-21.80
NOV			MAY		
18...	0855	-20.40	16...	1510	-21.40
29...	1446	-20.90	31...	1015	-21.50
DEC			JUN		
27...	0830	-21.60	28...	0940	-19.20
JAN			JUL		
18...	1030	-20.70	29...	1605	-19.50
FEB			AUG		
25...	1420	-21.40	30...	1110	-19.70
MAR			SEP		
22...	1515	-22.20	13...	1500	-19.40

Note.--Negative values indicate water level above land surface.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## DUVAL COUNTY

WELL NUMBER.--301852081234201. Local Number D-160. City of Neptune Beach Well at Neptune Beach, FL.

LOCATION.--Lat 30°18'52", long 81°23'42", in NW&SW&SE& sec.21, T.2 S., R.29 E., Hydrologic Unit 03080103, 20 ft south of Florida Avenue, 70 ft east of Third Street in Neptune Beach.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 8 in, depth 535 ft, cased to 357 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 8 in tee, 0.50 ft below land-surface datum.

DATUM.--Land-surface datum is 12.05 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1934, October 1939, September 1940 to February 1942, January 1944 to current year (bimonthly). Records of water levels prior to 1936 are available in the files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 53.75 ft NGVD, June 15, 1934; lowest measured, 27.95 ft NGVD, July 27, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1100	36.35	17...	1415	35.65
NOV			31...	0950	34.85
29...	1050	36.55	JUN		
DEC			28...	1350	32.95
27...	0925	36.55	JUL		
JAN			29...	1020	33.75
24...	1540	36.85	AUG		
FEB			29...	1045	33.65
25...	1210	36.95	SEP		
MAR			15...	1020	32.55
25...	1350	37.35			
APR					
27...	1055	37.55			

WELL NUMBER.--301900081342801. Local Number D-94. Jerry Jarvis Well at Arlington, FL.

LOCATION.--Lat 30°19'07", long 81°34'54", in land grant 52, T.2 S., R.27 E., Hydrologic Unit 03080103, at residence of Jerry Jarvis, 453 Arlington Road, 500 ft south of Strawberry Creek in Arlington.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 2 in, depth 635 ft, cased to 520 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 2 in tee, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 24.09 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1977 to September 1980 (semiannually), May 1981 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water levels measured, 35.99 ft NGVD, April 27, 1983; lowest measured, 27.59 ft NGVD, July 16, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
26...	0915	34.39	18...	1255	35.79
NOV			31...	0945	35.39
29...	0945	34.69	JUN		
DEC			30...	1130	33.59
28...	1405	35.19	JUL		
JAN			28...	1325	32.99
18...	1100	34.39	AUG		
FEB			30...	0920	33.19
25...	1410	35.59	SEP		
MAR			12...	1420	32.99
25...	0930	35.09			
APR					
27...	0845	35.99			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## DUVAL COUNTY

WELL NUMBER.--302304081383202. Local Number D-122A. City of Jacksonville Well at Jacksonville, FL.

LOCATION.--Lat 30°23'04", long 81°38'32", in land grant 50, T.1 S., R.27 E., Hydrologic Unit 03080103, well between Eastland and Russell Streets, 20 ft north of 63rd Street, and 0.4 mi east of U.S. Highway 17 in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 905 ft, cased to 571 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of flange at land-surface datum.

DATUM.--Land-surface datum is 14.87 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Well originally drilled to 700 ft in 1914, later drilled to 905 ft in 1925.

PERIOD OF RECORD.--August 1930, June 1938, November 1940 to April 1942, January 1944 to June 1944, August 1945 to current year (monthly). Records of water levels prior to 1936 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.47 ft NGVD, Aug. 21, 1930; lowest measured, 31.07 ft NGVD, Apr. 24, 1975.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEVATION ABOVE NGVD (FEET)	DATE	TIME	ELEVATION ABOVE NGVD (FEET)
OCT			MAY		
26...	0950	39.77	18...	1345	41.87
NOV			31...	1045	42.17
29...	1505	40.47	JUN		
DEC			28...	1007	40.07
27...	0850	41.77	JUL		
JAN			27...	1030	40.57
19...	1320	40.07	AUG		
FEB			29...	0940	39.77
28...	1003	41.47	SEP		
MAR			13...	0942	38.87
21...	1315	41.67	28...	1050	40.70
APR					
28...	1000	41.67			

WELL NUMBER.--302307081293801. Local Number D-424. U.S. Park Service Well at Jacksonville, FL.

LOCATION.--Lat 30°23'07", long 81°29'38", in NW¼SE¼SE¼, sec.28, T.1 S., R.28 E., Hydrologic Unit 03080103, 106 ft southeast of Fort Caroline Road, and 0.2 mi northeast of Fort Caroline National Park entrance in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 700 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of flange on 6 in tee, 3.60 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 15 ft, from topographic map.

PERIOD OF RECORD.--December 1966, May 1968 to September 1978 (semiannually), January 1979 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.30 ft above land-surface datum, Dec. 19, 1966; lowest measured, 19.90 ft above land-surface datum, May 13, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			MAY		
18...	0925	-26.20	18...	1210	-26.00
DEC			JUL		
07...	0920	-26.40	05...	1135	-23.70
JAN			SEP		
25...	1330	-26.80	12...	1026	-22.80
APR					
27...	1015	-27.40			

NOTE.--Negative values indicate water level above land surface.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

DUVAL COUNTY

WELL NUMBER.--302410081443501. Local Number D-148. A. E. Pierce Observation Well at Dinsmore, FL.  
 LOCATION.--Lat 30°24'10", long 81°44'35", in land grant 42, T.1 S., R.26 E., Hydrologic Unit 03080103, 100 ft west of U.S. Highway 1, 0.2 mi south of intersection of Gilchrist Road and U.S. Highway 1 in Dinsmore.  
 AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 3 in, depth 625 ft.  
 INSTRUMENTATION.--Pressure gage. Measuring point: Top of 3 in cross, 0.90 ft above land-surface datum.  
 DATUM.--Land-surface datum is 20.68 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--July 1940 to January 1941, October 1955, January 1960 to May 1962, May 1964 to September 1978 (annually), February 1979 to current year (bimonthly). Records of water levels prior to May 1974 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.38 ft NGVD, July 24, 1940; lowest measured, 34.58 ft NGVD, May 14, Sept. 24, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
DEC 07...	1315	40.58	APR 28...	1245	42.18
JAN 24...	1523	40.58	MAY 17...	1245	42.18
MAR 21...	1040	42.08	AUG 01...	1500	40.48

WELL NUMBER.--302416081522601. Local Number D-348. Monticello Drug Co. and St. Regis Paper Co. Well at Jacksonville, FL.  
 LOCATION.--Lat 30°24'16", long 81°52'26", in NW¼NW¼NE¼, sec.23, T.1 S., R.24 E., Hydrologic Unit 03080103, 1.5 mi west of west end of Garden Street, off a private dirt road in Jacksonville.  
 AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, unused, temporary water supply, artesian well, diameter 6 in, depth 708 ft cased to 416 ft.  
 INSTRUMENTATION.--Water-level recorder. Measuring point: Top of 11 in flange, 1.50 ft above land-surface datum.  
 DATUM.--Altitude of land-surface datum is 80 ft, from topographic map.  
 PERIOD OF RECORD.--March 1971 to current year. Records of water levels prior to 1976 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 41.24 ft below land-surface datum, Apr. 24, 1983; lowest, 49.47 ft below land-surface datum, July 18, 1981.

WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
 MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.55	44.42	44.05	43.83	43.18	42.85	41.92	41.68	42.29	43.13	43.94	44.15
10	44.41	44.56	44.28	43.66	42.93	42.47	41.69	41.90	42.27	43.24	43.83	44.36
15	44.39	44.49	44.24	43.79	43.12	42.34	41.63	42.08	42.61	43.51	43.84	44.31
20	44.49	44.56	44.20	43.79	43.23	42.08	41.56	41.95	43.03	43.82	43.88	44.20
25	44.34	44.60	44.19	43.67	42.93	42.19	41.38	41.87	43.10	43.93	44.24	44.15
EOM	44.43	44.38	43.94	43.28	42.65	41.91	41.72	41.99	43.27	44.01	44.22	43.92
MEAN	44.46	44.46	44.15	43.70	43.02	42.36	41.65	41.91	42.69	43.56	43.96	44.20
MAX	44.65	44.60	44.38	43.99	43.34	42.93	41.92	42.12	43.27	44.06	44.30	44.38
MIN	44.33	44.26	43.81	43.28	42.65	41.90	41.24	41.65	42.02	42.18	43.79	43.92
WTR YR 1983	MEAN	43.35	HIGH	41.24	APR 24	LOW	44.65	OCT 1				

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## DUVAL COUNTY

WELL NUMBER.--302416081522602. Local Number D-349. Monticello Drug Co. and St. Regis Paper Co. Well at Jacksonville, FL.

LOCATION.--Lat 30°24'16", long 81°52'26", in NW¼NW¼NE¼, sec.23, T.1 S., R.24 E., Hydrologic Unit 03080103, 1.5 mi, west of west end of Garden Street, off a private dirt road in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian, oil-test well, diameter 10 in, depth 2,230 ft, cased to 444 ft.

INSTRUMENTATION.--Water level recorder. Measuring point: Top of 10 in casing, 3.50 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 80 ft, from topographic map.

PERIOD OF RECORD.--March 1971 to current year. Records of water levels prior to 1976 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 29.10 ft below land-surface datum, Mar. 10, 1971; lowest, 45.03 ft below land-surface datum, July 18, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

OCT			APR		
26...	1020	36.58	27...	1030	38.58
DEC			MAY		
07...	1305	37.38	19...	0920	40.38
JAN			JUL		
18...	1415	36.98	27...	1106	36.28
MAR			SEP		
21...	1400	38.38	13...	1036	35.88



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## DUVAL COUNTY

WELL NUMBER.--302608081354901. Local Number D-262. St. Regis Paper Co. Well at Jacksonville, FL.

LOCATION.--Lat 30°26'10", long 81°35'48", in land grant 46, T.1 S., R.27 E., Hydrologic Unit 03080103, 75 ft south of dirt road, 0.4 mi east of Eastport Road in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, industrial, artesian well, diameter 4 in, depth 1,237 ft, cased to 1,163 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of well flange, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 16.32 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1951 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.32 ft NGVD, June 12, 1951; lowest measured, 32.52 ft NGVD, June 29, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
26...	1015	38.72	19...	0928	40.92
NOV			31...	1100	40.52
29...	1430	38.92	JUN		
DEC			28...	1025	38.32
27...	0915	40.32	JUL		
JAN			29...	1247	37.32
18...	1425	38.32	AUG		
FEB			29...	1520	37.32
28...	1010	39.32	SEP		
MAR			13...	1014	37.32
21...	1410	40.32			
APR					
27...	1045	40.52			

WELL NUMBER.--302608081354902. Local Number D-263. St. Regis Paper Co. Observation Well at Jacksonville, FL.

LOCATION.--Lat 30°26'08", long 81°35'49", in land grant 46, T.1 S., R.27 E., Hydrologic Unit 03080103, 75 ft south of dirt road, 0.4 mi east of Eastport Road in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 4 in, depth 1,025 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of tee flange, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 15.96 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1951 to April 1979 (semiannually), January 1980 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.16 ft NGVD, Feb. 4, 1954; lowest measured, 32.56 ft NGVD, June 29, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
DEC			MAY		
07...	1355	38.56	19...	0927	39.76
JAN			JUL		
18...	1425	38.86	27...	1050	38.46
MAR			SEP		
21...	1420	40.16	13...	1015	41.26
APR					
27...	1045	42.56			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## DUVAL COUNTY

WELL NUMBER.--302608081354903. Local Number D-264. St. Regis Paper Co. Test Well at Jacksonville, FL.

LOCATION.--Lat 30°26'10", long 81°35'49", in land grant 46, T.1 S., R.27 E., Hydrologic Unit 03080103, 75 ft south of dirt road, 0.4 mi east of Eastport Road in Jacksonville.

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

WELL CHARACTERISTICS.--Drilled, industrial, artesian well, diameter 4 in, depth 654 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of well flange, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 15.87 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1951 to September 1978 (semiannually), February 1979 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.87 ft NGVD, Jan. 9, 1952; lowest measured, 32.27 ft NGVD, June 29, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 26...	1010	37.67	APR 27...	1045	39.47
DEC 07...	1400	38.47	MAY 19...	1015	40.27
JAN 18...	1430	37.87	JUL 27...	1050	37.37
MAR 21...	1415	39.57	SEP 13...	1015	41.57

WELL NUMBER.--302801081375101. Local Number D-145. Duval County School Board Observation Well at Oceanway, FL.

LOCATION.--Lat 30°28'01", long 81°37'51", in land grant 37, T.1 N., R.27 E., Hydrologic Unit 03080103, Oceanway School on Oceanway Avenue, 600 ft east of U.S. Highway 17 in Oceanway.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 2 in, depth unknown.

INSTRUMENTATION.--Pressure gage and tape measured. Measuring point: Top of 2 in tee, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 34.79 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1940 to September 1978 (semiannually), February 1979 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.99 ft NGVD, June 3, 1947; lowest measured, 32.79 ft NGVD, Aug. 27, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 27...	1330	38.09	APR 27...	1140	39.59
NOV 29...	1400	38.89	MAY 19...	1215	38.79
DEC 27...	0930	39.69	21...	1120	40.09
JAN 18...	1450	38.59	JUN 28...	1045	38.49
FEB 28...	1030	39.49	JUL 27...	1130	38.39
MAR 21...	1440	39.89	AUG 29...	1010	38.09
31...	1120	40.09	SEP 13...	1052	38.09

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

DUVAL COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEVATION ABOVE NGVD (FEET)
300622081284701	D-0909 ST REGIS AT DURBIN FL	30 06 22	081 28 47	01	83-05-19 83-09-19	38.70 38.90
300812081390801	D-1097 BARNES AT MANDARIN FL	30 08 12	081 39 08	01	83-05-19 83-09-14	35.00 33.50
300820081354001	D-0296 HOOD LANDING AT MANDARIN FL	30 08 20	081 35 40	01	83-05-19 83-09-14	40.50 39.60
300824081305401	D-0169 POWEL AT BAYARD FL	30 08 24	081 30 54	01	83-05-19 83-09-19	41.77 41.87
300836081265001	D-0911 ST REGIS AT EAGLE NEST ISLAND FL	30 08 36	081 26 50	01	83-05-19 83-09-22	38.00 37.70
301032081380401	D-2846 CLARE RD AT MANDARIN FL	30 11 32	081 28 47	01	83-09-13 83-09-14	36.10 34.50
301143081423001	D-0981 ROTHBOARD AT COLLINS RD	30 11 43	081 42 30	01	83-05-17	33.00
301144081413801	D-0126 NAVAL AIR STATION AT JACKSONVILLE FL	30 11 44	081 41 38	01	83-05-17 83-09-13	32.30 30.40
301216081451201	D-0321 JOHNSON DAIRY AT COLLINS RD JACKSONVILLE FL	30 12 16	081 45 12	01	83-05-17 83-09-13	30.60 28.70
301255081371001	D-0282 MCKENNEY AT GOODBYS LAKE	30 12 55	081 37 10	01	83-05-18 83-09-14	28.00 26.40
301333081324101	D-2847 GOLD COURSE AT DEERWOOD	30 13 33	081 32 41	01	83-09-15	38.88
301335081352601	D-0154 SHIELDS AT BAYARD FL	30 13 35	081 35 26	01	83-05-18 83-09-19	34.50 35.50
301339081433401	D-1055 MANGRUM AT ORANGE PARK FL	30 13 39	081 43 34	01	83-05-17 83-09-13	32.96 31.46
301339081531203	D-0316 US NAVY AT CECIL FIELD JACKSONVILLE FL	30 13 39	081 53 12	03	83-05-16 83-09-13	52.11 49.07
301415081284801	D-0658 HODGES AT PABLO CREEK	30 14 15	081 28 48	01	83-09-27	34.70
301434082021401	D-0085 GILMORE PAPER CO NR BALDWIN FL	30 14 34	082 02 14	01	83-05-16 83-09-13	57.42 54.90
301607081301001	D-0991 UNIVERSITY OF N FLORIDA AT JACKSONVILLE FL	30 16 07	081 30 10	01	83-09-15	35.34
301617081421601	D-0115 CTY OF JAX AT ORTEGA VILLAGE JACKSONVILLE FL	30 16 17	081 42 16	01	83-05-17 83-09-13	31.65 29.65
301714081233301	D-0072 CITY OF JACKSONVILLE BEACH FL	30 17 14	081 23 33	01	83-09-15	31.00
301715081300001	D-0298 LINDBERG AT CENTER PARK	30 17 15	081 30 00	01	83-09-15	33.79
301725081392101	D-0048 SISTRUCK AND NEWSON AT SUNNYSIDE	30 17 25	081 39 21	01	83-05-18 83-09-13	29.00 26.20
301824081362901	D-0620 MILMER MANOR WATER DEPT	30 18 24	081 36 29	01	83-05-18 83-09-12	34.10 27.40
301827081305501	D-0399 SANDLEWOOD WATER PLANT	30 18 27	081 30 55	01	83-09-15	39.87
301844081403801	D-0018 PRICE LOMAX AT RIVERSIDE	30 18 44	081 40 38	01	83-05-17 83-09-13	32.60 28.10
301846081240201	D-0246 CITY OF NEPTUNE BEACH FL	30 18 46	081 24 02	01	83-09-15	30.10
301902081394601	D-0297 PRUDENTIAL INSURANCE CO AT JACKSONVILLE FL	30 19 02	081 39 46	01	83-05-17 83-09-13	31.40 27.90
301911081364201	D-1073 GOODE AT ARLINGTON	30 19 11	081 36 42	01	83-05-18	48.20

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

DUVAL COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEVATION ABOVE NGVD (FEET)
301919081375401	D-0376 FASCO AT TALLEYRAND	30 19 19	081 37 54	01	83-05-18 83-09-15	38.10 35.70
301925081262501	D-0934 BELLINGER SHIPYARD AT ATLANTIC BLVD	30 19 25	081 26 25	01	83-09-15	31.50
302037081455301	D-0581 R R TRUCKING CO CIGAR PLANT	30 20 37	081 45 53	01	83-05-17 83-09-16	40.00 39.30
302112081384701	D-0210 SWISHER COMPANY CIGAR PLANT	30 21 12	081 38 47	01	83-09-15	36.90
302120081362201	D-0310 JACKSONVILLE UNIVERSITY	30 21 20	081 36 22	01	83-05-18 83-05-18 83-09-12	36.90 49.80 34.53
302122081274001	D-0400 CAPPS AT PLEASANT DR	30 21 22	081 27 40	01	83-09-12	34.00
302137081240001	D-0084 ROGERS AT SEMINOLE DR	30 21 37	081 24 00	01	83-09-15	33.75
302142081330701	D-0277 HAWLEY AT MILL COVE	30 21 42	081 33 07	01	83-05-18 83-09-12	35.70 33.70
302145081394201	D-0043 HOUSE AT LAURIE WOODBINE	30 21 45	081 39 42	01	83-05-19 83-09-16	39.64 37.34
302300081295101	D-0396 FT CAROLINE NATL PARK	30 23 00	081 29 51	01	83-05-18 83-09-12	39.60 38.40
302317081330401	D-0488 JACKSONVILLE PORT AUTHORITY	30 23 17	081 33 04	01	83-05-18 83-09-14	41.60 33.50
302330081463001	D-0420 WING LEE FARM AT IMESON RD	30 23 30	081 46 30	01	83-05-17 83-09-16	42.50 39.10
302339081254702	D-0464A CITY OF MAYPORT FL	30 23 39	081 25 47	02	83-09-15	37.70
302345081261301	D-0470 DOT AT AIA FERRY LANDING	30 23 45	081 26 13	01	83-05-19 83-09-20	40.20 37.00
302351081390201	D-0151 PARKER AT TROUT RIVER	30 23 51	081 39 02	01	83-05-18 83-09-13	39.54 37.14
302502081321001	D-0270 PONCE AT BROWNS CREEK	30 25 02	081 32 10	01	83-05-18 83-09-20	39.50 37.80
302514081393701	D-0227 CITY OF JACKSONVILLE AT MONACO	30 25 14	081 39 37	01	83-05-11	38.60
302538081253101	D-0164 RIBAUTL CLUB AT FT GEORGE	30 25 38	081 25 31	01	83-05-19 83-09-20	42.41 41.11
302616081413901	D-0305 GARDEN CITY SCHOOL	30 26 16	081 41 39	01	83-05-17 83-09-13	43.10 39.90
302641081454201	D-0269 PERRET'S DAIRY AT DINSMORE	30 26 41	081 45 42	01	83-05-17 83-09-16	41.70 39.40
302724081244801	D-0395 LITTLE TALBOT ISLAND AT PARK	30 27 24	081 24 48	01	83-05-19 83-05-19 83-09-20	37.87 30.60 36.57
302738081290001	D-1078 LAND AT CEDAR POINT	30 27 38	081 29 00	01	83-05-19 83-09-20	36.00 35.10
303015081343301	D-0077 VWL CORP NR DUNNS DREEK	30 30 15	081 34 33	01	83-05-19 83-09-20	32.40 30.60
303216081433301	D-0401 DUVAL COUNTY PRISON FARM	30 32 16	081 43 33	01	83-05-17 83-09-20	40.80 39.00
303458081364001	D-0411 J-0478	30 34 58	081 36 40	01	83-05-19 83-09-20	34.50 33.80

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

DUVAL COUNTY

300812081390801 - N D-1097 BARNES AT MANDARIN FL

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
DEC 07...	1300	350	23.0	APR 27...	1310	350	23.0
JAN 19...	1435	380	22.0	JUL 07...	1350	350	24.0
MAR 28...	1235	350	22.5	SEP 14...	1200	375	23.5

300820081354001 - N D-0296 HOOD LANDING AT MANDARIN FL

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
DEC 07...	1320	675	22.5	APR 27...	1250	650	23.5
JAN 29...	1510	725	23.0	JUL 07...	1405	650	23.0
MAR 28...	1250	650	23.0	SEP 14...	1140	700	23.0

301415081284801 - D-0658 HODGES AT PABLO CREEK

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
DEC 14...	0940	700	19.0	MAY 06...	0910	700	24.0
FEB 01...	1130	725	21.5	JUL 22...	0905	650	26.0
MAR 25...	0915	675	22.5	SEP 23...	1415	685	22.0

301551081415701 - D-0129 J-0193

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
NOV 29...	1220	38	23.5	MAR 28...	1255	410	22.5
JAN 26...	1415	425	22.5	APR 27...	1340	410	23.0

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

DUVAL COUNTY--Continued

301714081233301 - D-0072 CITY OF JACKSONVILLE BEACH FL

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
JAN 24...	1530	310	24.0	JUL 29...	0910	800	23.0
APR 01...	1010	275	27.0	SEP 28...	0935	740	24.0
27...	1100	625	25.0				

301817081374901 - D-0425 J-0492

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
NOV 16...	1305	1320	25.0	JUN 20...	0900	1280	25.0
JAN 18...	1530	1080	20.0	JUL 28...	1600	1080	19.0
APR 01...	1505	1400	23.5	AUG 30...	1105	1040	25.0
29...	1345	1000	26.0				

DATE	PH (STAND- ARD UNITS) (00400)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS R) (00935)
NOV 16...	6.7	690	560	190	50	50	3.1
JUN 20...	7.3	670	540	190	45	38	3.3

DATE	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
NOV 16...	124	540	100	1.0	27	1090	7600
JUN 20...	126	520	55	1.0	24	986	6500

301846081240201 - D-0246 CITY OF NEPTUNE BEACH FL

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
DEC 07...	1525	580	26.0	APR 27...	1045	610	26.5
JAN 24...	1550	625	26.0	JUL 07...	1550	590	26.5
MAR 25...	1355	610	26.0				

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

DUVAL COUNTY--Continued

301900081342801 - D-0094 J-0158

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
NOV 29...	0945	510	26.0	APR 27...	0845	460	19.0
JAN 18...	1100	590	22.0	JUL 07...	1630	498	29.0
MAR 25...	0930	570	21.5	AUG 30...	0920	600	24.0

302538081253101 - D-0164 RIBAUT CLUB AT FT GEORGE

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
DEC 07...	1430	1180	28.0	APR 27...	1550	1400	28.5
JAN 18...	1350	1160	28.0	JUL 07...	1435	1160	29.0
APR 01...	1525	1230	28.0				

302608081354901 - D-0262 J-0031

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
NOV 29...	1445	365	24.5	JUL 27...	1300	625	22.5
JAN 18...	1430	540	25.5	AUG 29...	1520	590	22.0
APR 01...	1420	615	26.0				
27...	1100	600	24.0				

302641081454201 - D-0269 PERRET'S DAIRY AT DINSMORE

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	TEMPER- ATURE (DEG C) (00010)
DEC 06...	1010	550	24.0	AUG 01...	1130	580	25.0
APR 01...	1150	570	24.0				
28...	1230	590	25.0				

WATER RESOURCES DATA FOR FLORIDA, 1983  
Volume 1B: Northeast Florida

KEY TO SITE LOCATIONS ON FIGURE 12  
FLAGLER COUNTY

Index number	Site number	Page number
1	292750081152001	60
2	292820081221001	60



WATER RESOURCES DATA FOR FLORIDA, 1983  
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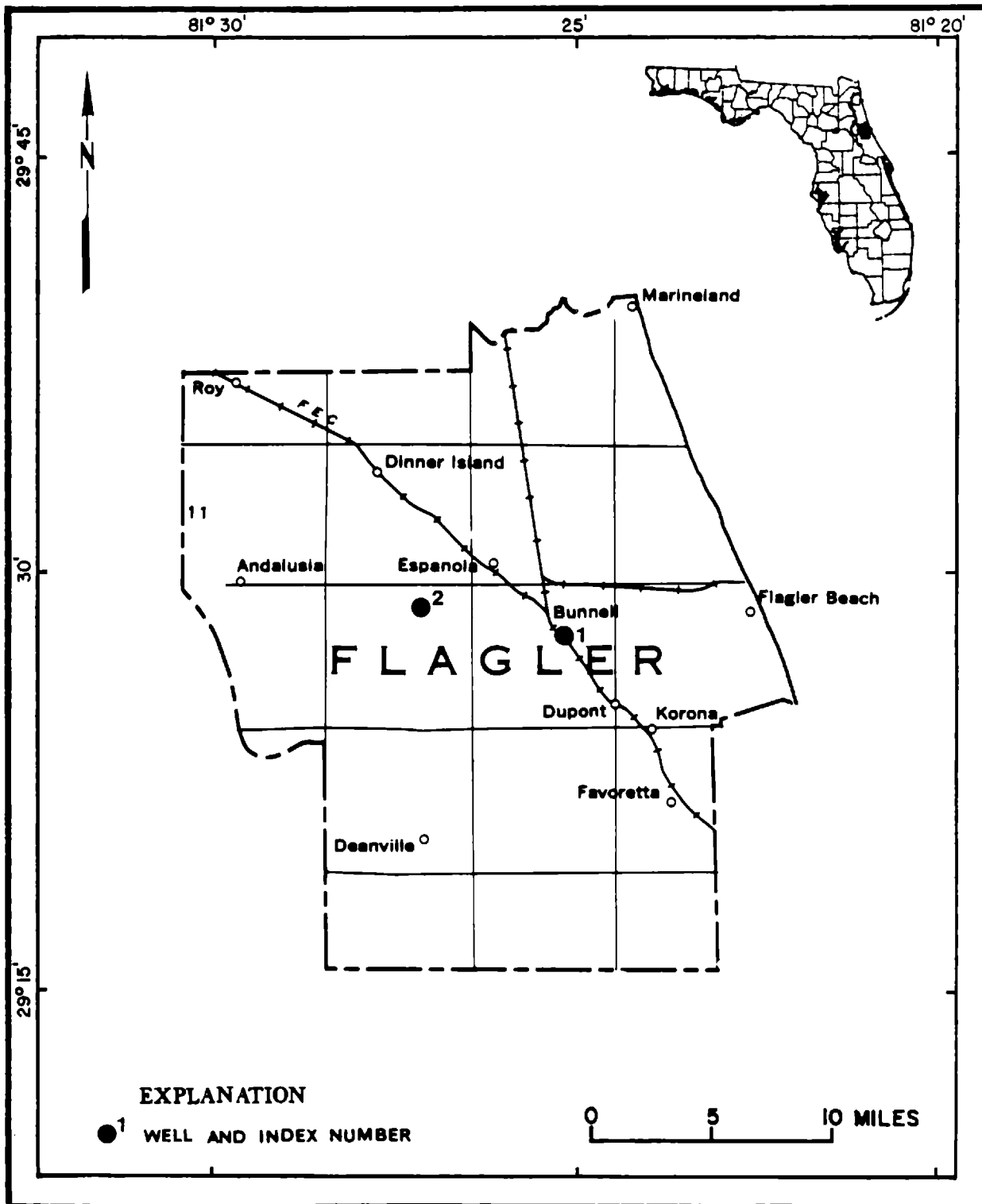


Figure 12. Location of Wells in Flagler County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## FLAGLER COUNTY

WELL NUMBER.--292750081152001. Local Number 927-115-01. USGS Observation Well Flagler 14 at Bunnell, FL.

LOCATION.--Lat 29°27'50", long 81°15'20", in NE¼ sec.15, T.12 S., R.30 E., Hydrologic Unit 03080201, 200 ft south of intersection of West Court and South Railroad Streets, and 600 ft southwest of intersection of State Highway 11 and U.S. Highway 1 at Bunnell.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 to 4 in, depth 417 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 6 in coupling at land-surface datum.

DATUM.--Land-surface datum is 21.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1936 to December 1962 (monthly); February 1963 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.30 ft NGVD, Sept. 9, 1947; lowest measured, 10.46 ft NGVD, July 10, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
13...	1230	14.31	04...	0954	16.00
DEC			MAY		
22...	1001	15.26	17...	1133	14.60
JAN			SEP		
24...	1218	15.38	13...	1000	14.44

WELL NUMBER.--292820081221001. Local Number 928-122-01. Observation Well Flagler 44 near Bunnell, FL.

LOCATION.--Lat 29°28'20", long 81°22'10", in NE¼SW¼ sec.10, T.12 S., R.29 E., Hydrologic Unit 03080103, 0.6 mi southeast of intersection of State Highways 305 and 100, and 6.7 mi west of Bunnell.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 4 in, depth 159 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 4 in casing, 2.46 ft above land-surface datum.

DATUM.--Land-surface datum is 23.96 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1956 to February 1963; April 1963 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.10 ft NGVD, Sept. 11, 1960; lowest, 2.21 ft NGVD, Mar. 9, 1956.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1984

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
26...	1315	13.73	17...	1053	9.18
DEC			SEP		
22...	1031	13.85	12...	1215	12.56
JAN					
24...	1256	13.93			

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

FLAGLER COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
291720081194401	91711901 14S29E13 NR DEANVILLE FL	29 17 20	081 19 44	01	83-05-17 83-09-12	20.00 20.08
291818081190501	FIRETOWER WELL NR CODYS CORNER NR DEANVILLE FL	29 18 18	081 19 05	01	83-05-17 83-09-12	17.17 17.42
291913081224201	13S29E33 STRAWN WELL NR DEANVILLE FL	29 19 13	081 22 42	01	83-05-17 83-09-12	19.10 19.25
291955081200901	91912003 13S29E36 KENDALL IRR WELL NR DEANVILLE FL	29 19 55	081 20 09	01	83-05-17 83-09-12	12.27 12.53
292047081130601	92011201 13S31E30 STRICKLAND WELL NR FAVORETTA FL	29 20 47	081 13 06	01	83-05-17 83-09-13	19.50 19.53
292115081184801	92111901 13S30E19 NR CODYS CORNER NR DEANVILLE FL	29 21 15	081 18 48	01	83-05-17 83-09-12	13.60 13.86
292156081215001	92112103 13S29E37 COWART W OF 305 NR DEANVILLE FL	29 21 56	081 21 50	01	83-05-17 83-09-12	10.52 11.02
292213081210501	92212001 13S29E37 COWART W OF 305 NR DEANVILLE FL	29 22 13	081 21 05	01	83-05-17 83-09-12	11.03 11.18
292302081155901	SR304 WELL AT SWEETWATER BRANCH W OF BUNNELL FL	29 23 02	081 15 59	01	83-05-17 83-09-12	15.36 15.54
292342081183701	92311805 13S30E06 SORENSON WELL SW OF BUNNELL FL	29 23 42	081 18 37	01	83-05-17 83-09-12	9.07 9.54
292413081221601	92412202 13S29E04 PELLICER NR SJ PK SW OF BUNNELL FL	29 24 13	081 22 16	01	83-05-17 83-09-12	11.90 11.10
292448081121301	ITT-PALM COAST WELL LW-15 NW OF KORONA FL	29 24 48	081 12 13	01	83-05-17 83-09-09	18.10 17.70
292521081222301	92512202 12S29E33 HARPER NR SJ PARK SW OF BUNNELL FL	29 25 21	081 22 23	01	83-05-16 83-09-12	7.76 9.94
292559081111101	SEMINOLE PRKWAY WELL AT SESAME BLVD AT BUNNELL FL	29 25 59	081 11 11	01	83-05-17 83-09-13	15.48 15.28
292603081082502	F-176 BULLOW RUINS S OF FLAGLER BEACH FL	29 26 03	081 08 25	02	83-05-18 83-09-12	9.94 9.71
292604081062401	SJWMD SH WELL F174 FLAG ST PARK S OF FLAGLER BCH FL	29 26 04	081 06 24	01	83-05-18 83-09-12	6.72 6.80
292604081081501	92610802 12S31E38 WELL BULOW RUINS NR FLAGLER BCH FL	29 26 04	081 08 15	01	83-05-20	7.25
292641081120102	NORTH MONITOR WELL 5 AT FLAGLER BEACH FL	29 26 41	081 12 01	02	83-05-17 83-09-13	9.56 9.19
292645081110301	ITT PALM COAST WELL SW-82 W OF FLAGLER BEACH FL	29 26 45	081 11 03	01	83-05-17 83-09-09	15.15 14.83
292647081182001	92611803 12S30E19 ALLEN ESTATE WELL SW OF BUNNELL FL	29 26 47	081 18 20	01	83-05-17 83-09-12	9.42 10.17
292711081142001	ITT-PALM COAST WELL LW-42 BUNNELL FL	29 27 11	081 14 20	01	83-05-17 83-09-09	15.28 14.96

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

FLAGLER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
292728081125601	BUNNELL AIRPORT WELL AT GORE LK AT BUNNELL FL	29 27 28	081 12 56	01	83-05-17 83-09-13	14.60 13.27
292737081220201	F-182 KINGS FARM WELL W OF BUNNELL FL	29 27 37	081 22 02	01	83-05-18 83-09-12	10.91 12.85
292853081082501	928108 12S31E12 SR201 WELL AT FLAGLER BEACH FL	29 28 53	081 08 25	01	83-05-20 83-09-13	10.92 10.92
292947081164401	ITT-PALM COAST WELL LW-6 NR ESPANOLA FL	29 29 47	081 16 44	01	83-05-16 83-09-07	15.92 15.98
293031081174101	WELL TW-1 NR ESPANOLA FL	29 30 31	081 17 41	01	83-05-18 83-09-14	14.20 14.28
293034081293001	93012901 11S28E32 NR ANDALUSIA FL	29 30 34	081 29 30	01	83-09-12	15.18
293048081152501	ITT-PALM COAST WELL LW-38 NR ESPANOLA FL	29 30 48	081 15 25	01	83-05-16 83-09-07	15.16 15.00
293128081090501	LENSSEN WELL AT BEVERLY BEACH FL	29 31 28	081 09 05	01	83-05-18 83-09-13	10.75 10.25
293257081171601	93211702 11S30E16 NE OF ESPANOLA FL	29 32 57	081 17 16	01	83-05-18 83-09-13	16.19 16.27
293313081132402	F158 11S31E18 ITT-PALM STJOE LW11 SW OF MARINELAND FL	29 33 13	081 13 24	02	83-05-19 83-09-12	14.69 14.65
293318081122501	93312201 11S31E41 ITT-PALM TW-3 NR MARINELAND FL	29 33 18	081 12 25	01	83-05-18 83-09-14	13.31 13.15
293337081230301	CONTAINER CORP DEEP WELL AT DINNER ISLAND FL	29 33 37	081 23 03	01	83-05-18 83-09-12	16.27 16.56
293337081230302	CONTAINER CORP SHALLOW WELL AT DINNER ISLAND FL	29 33 37	081 23 03	02	83-05-18 83-09-12	22.66 22.58
293504081183601	93511801 10S30E31 PALM COAST WELL LW3 NR ESPANOLA FL	29 35 04	081 18 36	01	83-05-18	16.27
293529081191701	F165 10S30E31 ITT-PALM LW-20 NE OF DINNER ISLAND FL	29 35 29	081 19 17	01	83-05-19 83-09-12	15.91 15.98
293724081160101	ITT-PALM COAST WELL LW-53 W OF MARINELAND FL	29 37 24	081 16 01	01	83-05-16 83-09-07	15.80 15.72
293754081121901	F200 10S31E WASHINGTON OAKS ST PK S OF MARINELAND FL	29 37 54	081 12 19	01	83-05-17 83-09-13	14.14 14.66
293754081121902	F-191 WASHINGTON OAKS STATE PARK S OF MARINELAND FL	29 37 54	081 12 19	02	83-09-13	2.00
293905081142701	939114 10S30E39 WADSWORTE AT STYLES CK NR M'LAND FL	29 39 05	081 14 27	01	83-05-18 83-09-13	14.81 14.96
293943081124301	MARINELAND NORTH SUPPLY WELL NR MARINELAND FL	29 39 43	081 12 43	01	83-05-20 83-09-14	11.25 10.60

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

FLAGLER COUNTY

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
292616081130901 - 92611301 - 12S31E30, PALM COAST LW-14 NEAR BUNNELL, FL (LAT 29 26 16 LONG 081 13 09)											
NOV , 1982						MAY , 1983					
30...	0915	225	--	710	56	31...	1250	225	--	560	39
FEB , 1983						JUN					
01...	0915	225	--	300	50	30...	0845	225	562	--	39
MAR						SEP					
31...	0900	225	--	245	39	29...	1330	225	610	--	36
APR											
28...	1300	225	--	494	39						
292703081120801 - FLAGLER BEACH NO 3 NEAR FLAGLER BEACH, FL (LAT 29 27 03 LONG 081 12 08)											
NOV , 1982						JAN , 1983					
30...	1330	120	--	1000	180	31...	1515	120	--	1050	170
292821081112850 - COMPOSITE - FLAGLER BEACH WELL FIELD NEAR BUNNELL, FL (LAT 29 28 21 LONG 081 11 28)											
MAR , 1983						JUN , 1983					
30...	1330	--	--	860	98	29...	1200	--	915	--	100
APR						SEP					
28...	1430	--	--	852	100	29...	1230	--	960	--	130
MAY											
31...	1140	--	--	930	110						
293251081161501 - PALM COAST PUBLIC SUPPLY NO SW-59 NEAR BUNNELL, FL (LAT 29 32 51 LONG 081 16 15)											
NOV , 1982						FEB , 1983					
30...	0940	75	--	800	63	01...	0940	75	--	710	39
293320081143450 - COMPOSITE - PALM COAST SHALLOW WELL FIELD NEAR BUNNELL, FL (LAT 29 33 20 LONG 081 14 34)											
MAR , 1983						JUN , 1983					
31...	0845	--	--	660	47	29...	1300	--	700	--	48
APR						SEP					
28...	1340	--	--	598	31	29...	1230	--	570	--	22
MAY											
31...	1210	--	--	650	31						

WATER RESOURCES DATA FOR FLORIDA, 1983  
Volume 1B: Northeast Florida

KEY TO SITE LOCATIONS ON FIGURE 13  
INDIAN RIVER COUNTY

Index number	Site number	Page number
1	273923080471801	66
2	274206080225501	66
3	274607080493001	67

WATER RESOURCES DATA FOR FLORIDA, 1983  
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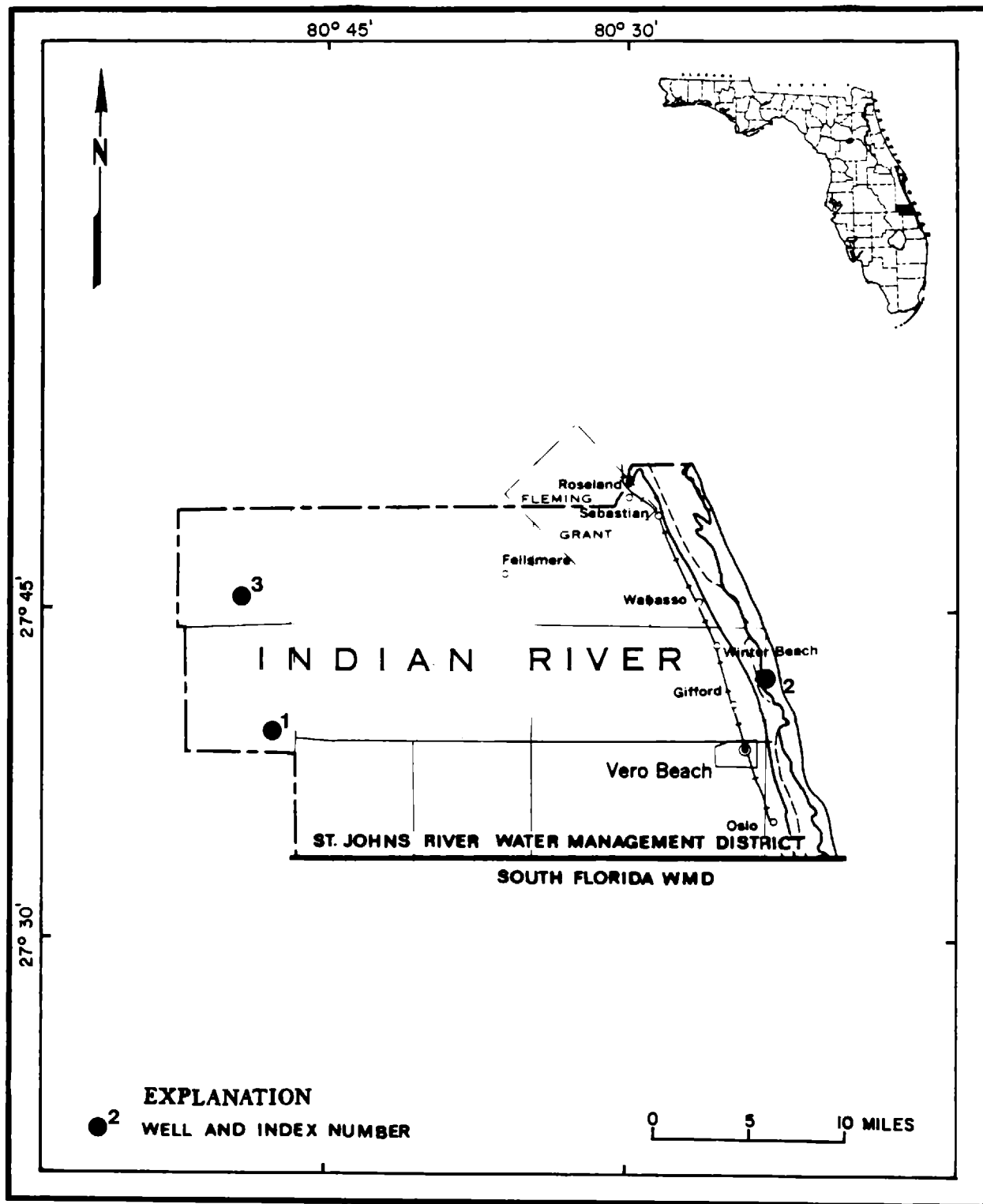


Figure 13. Location of wells in Indian River County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## INDIAN RIVER COUNTY

WELL NUMBER.--273923080471801. Local Number 739-047-01. USGS Observation Well IR25 near Yeehaw Junction, FL.

LOCATION.--Lat 27°39'23", long 80°47'18", in NW¼NE¼NW¼ sec.36, T.32 S., R.35 E., Hydrologic Unit 03080101, on north side of State Highway 60, 1.3 mi east of Blue Cypress Road, and 7.9 mi east of U.S. Highway 441 in Yeehaw Junction.

AQUIFER.--Nonartesian sand of the surficial aquifer system, Geologic Unit 112 NRSB.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 19 ft, cased to 13 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 2.20 ft above land-surface datum.

DATUM.--Land-surface datum is 30.01 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1950 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 31.99 ft NGVD, Sept. 4, 1979; lowest, 25.17 ft NGVD, May 31, 1967.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.62	29.50	28.07	27.86	29.10	29.24	28.90	27.78	28.21	27.83	27.72	29.06
10	29.10	28.90	28.46	28.41	29.65	29.49	29.39	27.50	29.16	28.39	28.39	28.52
15	28.77	28.59	28.32	28.14	29.80	29.84	29.20	27.25	28.46	27.71	28.38	28.81
20	28.43	28.78	28.49	29.26	29.56	29.48	28.58	27.00	28.03	27.36	28.32	29.48
25	28.20	28.45	28.12	29.34	29.13	29.84	28.50	26.76	28.92	27.20	29.02	---
EOM	28.08	28.23	27.90	28.82	30.01	29.48	28.03	26.72	28.15	28.19	28.81	---
MAX	29.97	29.58	28.83	29.56	30.18	30.02	29.39	27.96	29.26	28.51	29.08	---
CAL YR 1982	MAX	30.40										

WELL NUMBER.--274206080225501. Local Number 742-022-01. Johns Island Well near Vero Beach, FL.

LOCATION.--Lat 27°42'06", long 80°22'55", in NE¼NE¼NE¼ sec.13, T.32 S., R.39 E., Hydrologic Unit 03080203, in wooded area between fourth and fifth holes of Johns Island Golf Course, 0.5 mi east of State Highway A-1-A, and 1.9 mi north of Vero Beach.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 12 in, depth 2,020 ft, cased to 424 ft.

INSTRUMENTATION.--Pressure gage measured. Measuring point: Mark on casing, 0.70 ft above land-surface datum.

DATUM.--Land-surface datum is 2.93 ft, National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1977 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.83 ft NGVD, Dec. 22, 1982; lowest measured, 29.33 ft NGVD, Dec. 2, 1981.

ELEVATIONS, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
28...	--	32.13	17...	1130	32.78
DEC			JUN		
22...	0750	34.83	29...	1100	33.03
MAR			AUG		
01...	1040	32.83	10...	1435	32.13
APR			SEP		
19...	1230	33.13	20...	1425	34.58



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## INDIAN RIVER COUNTY

WELL NUMBER.--274607080493001. Local Number 746-049-01. USGS Observation Well IR-189 near Yeehaw Junction, FL.

LOCATION.--Lat 27°46'07", long 80°49'30", in SE½NE½SW¼ sec.22, T.31 S., R.35 E., Hydrologic Unit 03080101, on north side of private road at Mitchell Ranch, 10 mi north of Yeehaw Junction.

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

WELL CHARACTERISTICS.--Drilled, stock, artesian well, diameter 4 in, depth 630 ft, casing length unknown.

INSTRUMENTATION.--Pressure gage measured. Measuring point: 4 in discharge line, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 33.16 ft, National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, land-surface datum was considered to be 34 ft, from topographic map.

REMARKS.--The figures of water levels as elevation NGVD prior to Oct. 1, 1978, have been revised. Revised records are available in files of the Geological Survey.

PERIOD OF RECORD.--1951, 1957, 1970 (annually); January 1976 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.16 ft NGVD, present datum, Nov. 13, 1951, July 10, 1957; lowest measured, 36.67 ft NGVD, May 6, 1981.

## ELEVATIONS, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
MAR			JUN		
02...	0830	43.76	13...	1110	41.16
APR			AUG		
18...	1805	43.46	09...	1425	41.16
MAY			SEP		
16...	1140	42.49	01...	--	42.66
26...	1500	40.42	12...	0955	43.29

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

INDIAN RIVER COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
273336080403001	73304001 EVANS GROVE 15AE NE OF FORT DRUM FL	27 33 36	080 40 30	01	83-05-26 83-09-22	40.30 44.00
273355080355601	73303501 BRADY GROVES W OF OSLO FL	27 33 55	080 35 56	01	83-09-21	42.30
273357080220201	73302201 MIDWAY MHP S OF OSLO FL	27 33 57	080 22 02	01	83-05-16 83-05-25 83-09-13	34.67 31.67 36.07
273401080384101	73403801 EVANS GROVE 11 DE W OF OSLO FL	27 34 01	080 38 41	01	83-09-21	42.00
273405080222601	73402201 RUTH HALLSTRUM OLD DIXIE ROAD S OF OSLO FL	27 34 05	080 22 26	01	83-09-21	30.00
273409080265201	73402601 IR 252 KINGS HIGHWAY SW OF OSLO FL	27 34 09	080 26 52	01	83-05-16 83-09-13	31.80 36.10
273423080332201	73403301 MORRISON GROVE S OF OSLO RD W OF OSLO FL	27 34 23	080 33 22	01	83-09-21	40.10
273430080195301	73401901 SEMINOLE SHORES ALA SOUTH OF RIOMAR FL	27 34 30	080 19 53	01	83-09-21	34.73
273435080255101	73402501 USDA SOUTH WELL 43RD AVE SW OF OSLO FL	27 34 35	080 25 51	01	83-05-26 83-09-21	26.04 37.80
273501080302101	73503001 DR MOORE OSLO ROAD W OF OSLO FL	27 35 01	080 30 21	01	83-05-16	36.50
273510080271901	73502702 A HELSETH OSLO ROAD W OF OSLO FL	27 35 10	080 27 19	01	83-05-25 83-09-21	25.60 26.60
273522080235801	73502302 OSLO NURSERY OSLO RD W OF OSLO FL	27 35 22	080 23 58	01	83-05-25 83-09-21	30.10 28.17
273526080261001	73502601 ALBERT HELSETH OSLO ROAD W OF OSLO FL	27 35 26	080 26 10	01	83-05-16 83-09-13	33.10 36.10
273536080240201	73502403 REVERSE OSMOSIS MONITOR W OF OSLO FL	27 35 36	080 24 02	01	83-09-21	34.00
273543080374101	73503701 RANCHO SANTA MARIA 122 AVE W OF VERO BCH FL	27 35 43	080 37 41	01	83-05-25 83-09-21	37.80 41.10
273559080370301	73503703 TECH OHM GR 122 AVE W OF VERO BEACH FL	27 35 59	080 37 03	01	83-05-16 83-09-12	40.30 40.80
273632080364501	73603001 IR 266 CITRUS ROAD&90TH AVE W OF VERO BCH FL	27 36 32	080 30 45	01	83-05-16 83-09-13	35.50 38.30
273710080230601	73702307 TROPIC VILLAS NO 1 6TH AVE&10 ST VERO BCH FL	27 37 10	080 23 06	01	83-05-24 83-05-25 83-09-21	33.80 33.60 38.70
273726080371501	73703701 TALMADGE BROTHERS GROVE VERO BEACH FL	27 37 26	080 37 15	01	83-05-25 83-09-21	35.80 39.80
273758080301501	73703001 VILLAGE GREEN SW OF VERO BEACH FL	27 37 58	080 30 15	01	83-05-25 83-09-21	30.28 35.70
273814080245201	73802402 IR 24 1ST CHRIST CHURCH SR60 VERO BCH FL	27 38 14	080 24 52	01	83-05-24 83-09-21	29.33 33.40
273819080260101	73802602 IR 228 POLLOCK SR60&MAIN CANAL VERO BEACH FL	27 38 19	080 26 01	01	83-05-17 83-05-24 83-09-13	31.74 29.44 35.29

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

INDIAN RIVER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
273821080273901	73802701 CHAUNCEY HATCH JR SR60 W OF VERO BEACH FL	27 38 21	080 27 39	01	83-05-17 83-09-13	30.95 35.85
273822080374401	73803702 CARDINAL GROVE POND WELL W OF VERO BCH FL	27 38 22	080 37 44	01	83-05-25	39.50
273822080374402	73803703 CARDINAL GROVES UNUSED 122ND AVE VERO BCH FL	27 38 22	080 37 44	02	83-09-21	41.13
273827080322001	73803201 SR 60 W OF I-95 W OF VERO BEACH FL	27 38 27	080 32 20	01	83-05-16 83-09-13	34.60 36.30
273828080283901	73802801 VILLAGE GREEN NO 1 SR60 W OF VERO BEACH FL	27 38 28	080 28 39	01	83-05-25 83-09-21	31.15 35.40
273833080461901	73804601 K PRINCE SR 60 E OF YEEHAW JUNCTION FL	27 38 33	080 46 19	01	83-05-26 83-09-22	41.80 43.20
273835080345801	73803401 KROMHOUT GROVE SR 60 W OF VERO BEACH FL	27 38 35	080 34 58	01	83-05-26 83-09-21	36.30 40.20
273859080235101	73802307 30TH STREET VERO BEACH FL	27 38 59	080 23 51	01	83-05-17 83-09-13	33.32 35.22
274005080244901	74002401 IR 230 S GIFFORD RD W OF GIFFORD FL	27 40 05	080 24 49	01	83-05-26 83-09-20	29.23 35.53
274008080255301	74002504 JACKSON GROVES S GIFFORD&43 AVE VERO BCH FL	27 40 08	080 25 53	01	83-05-17 83-09-13	30.85 34.25
274028080384301	74003801 DIAMOND G FARM SR 512 SW OF FELLSMERE FL	27 40 28	080 38 43	01	83-05-16 83-09-12	45.65 45.65
274055080281301	74002801 IR 210 WALTER POOL LINDSEY RD GIFFORD FL	27 40 55	080 28 13	01	83-05-17 83-09-13	27.00 34.00
274113080475501	74104701 IR188 W SURRENCY BLU CYPRES RD NR YEHAWJUNFL	27 41 13	080 47 55	01	83-03-03	45.00
274114080474901	74104702 L PRESSLEY BLUE CYPRESS RD NR YEHAW JUNC FL	27 41 14	080 47 49	01	83-05-16 83-09-12	40.45 40.55
274121080241701	74102401 IR 233 KENNEDY GROVE N OF GIFFORD FL	27 41 21	080 24 17	01	83-05-17 83-09-13	33.57 36.07
274125080305101	74103001 H CORRIGAN RANCH RD NW OF GIFFORD FL	27 41 25	080 30 51	01	83-05-17	31.80
274142080294301	74102902 IR 226 RANCH RD SW OF WINTER BEACH FL	27 41 42	080 29 43	01	83-05-25 83-09-20	26.02 30.30
274156080344301	74103401 JACK BERRY GROVE BLK 99 S OF FELLSMERE FL	27 41 56	080 34 43	01	83-05-25 83-09-21	32.20 37.70
274240080264201	74202602 L BURGESS S WINTER BCH RD W OF WINTER BCH FL	27 42 40	080 26 42	01	83-05-17	29.55
274250080355001	74203502 JACK BERRY GROVE BLK 54 S OF FELLSMERE FL	27 42 50	080 35 50	01	83-05-25 83-09-21	32.20 36.10
274310080293301	74302901 IR 58 GRAVES BROS N WIN BCH RD W OF W BCH FL	27 43 10	080 29 33	01	83-05-26	25.40
274331080413201	74304102 FELLSMERE JV LATERAL 29 W OF FELLSMERE FL	27 43 31	080 41 32	01	83-05-16 83-09-12	41.50 42.50
274350080364501	74303601 JACK BERRY GROVE BLK 11 S OF FELLSMERE FL	27 43 50	080 36 45	01	83-05-25 83-09-21	36.60 41.20

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

INDIAN RIVER COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
274450080232401	74402303 BAYTREE AIA S OF WABASSO BEACH FL	27 44 50	080 23 24	01	83-05-24 83-09-20	13.88 27.08
274452080275501	74402701 IR 147 A S PFARR SR 510 W OF WEBASSO FL	27 44 52	080 27 55	01	83-09-12	35.00
274459080490501	74404901 ROLLINS RANCH N OF YEEHAW JUNCTION FL	27 44 59	080 49 05	01	83-05-16	41.80
274524080240801	74502406 NORTH BEACH WAT CO NO 2 S OF ORCHID FL	27 45 24	080 24 08	01	83-05-24 83-09-20	28.00 32.20
274528080412901	74504103 FELLSMERE JV LAT 18W OF FELLSMERE FL	27 45 28	080 41 29	01	83-05-16 83-09-12	43.00 45.50
274534080251101	74502502 MARSH ISLAND SR 510 EAST OF WABASSO FL	27 45 34	080 25 11	01	83-05-24 83-09-20	29.70 28.13
274538080281601	74502801 IR 155 ADDIE ST SEBASTIAN HIGHLANDS FL	27 45 38	080 28 16	01	83-05-17 83-05-26 83-09-20	24.50 27.80 36.00
274606080335401	74603301 SCHINER MEMORIAL WELL E OF FELLSMERE FL	27 46 06	080 33 54	01	83-05-24 83-09-20	35.12 38.08
274621080300901	74603001 ROSELAND ACRES SW OF SEBASTIAN FL	27 46 21	080 30 09	01	83-05-17	32.93
274635080363001	74603601 IR 183 JOE SCREWS SR 507 FELLSMERE FL	27 46 35	080 36 30	01	83-05-16 83-09-12	35.20 35.00
274815080254101	74802501 IR 33 A J BYRD JUNGLE TR N OF ORCHID FL	27 48 15	080 25 41	01	83-05-17 83-09-20	30.50 36.30
274857080493401	74804901 YATES WELL NEAR SEBASTIAN FL	27 48 57	080 49 34	01	83-05-16 83-09-14	41.70 42.80
274915080362501	74903601 IR 180 A BECKMAN SR 507 N OF FELLSMERE FL	27 49 15	080 36 25	01	83-05-16 83-09-12	38.30 39.40
275018080261201	75002601 MCLARTY MUSEUM SEBASTIAN INLET FL	27 50 18	080 26 12	01	83-05-17 83-09-13	34.61 35.41
275047080292401	75002903 KIP WAGNER ROSELAND FL	27 50 47	080 29 24	01	83-05-17 83-09-13	32.30 34.00
275117080270401	75102702 (UNUSED) STATE PARK SEBASTIAN INLET FL	27 51 17	080 27 04	01	83-05-17 83-09-20	32.68 36.18

GROUND WATER QUALITY RECORDS  
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INDIAN RIVER COUNTY

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)						
273332080245001 - 73302401 - PARAMONT AQUARIUM, 27TH AVENUE, SW OF OSLO, FL (LAT 27 33 32 LONG 080 24 50)																	
AUG , 1983																	
11...	0850	1000	1680	1820	420												
273335080280901 - 73302801 - EDWIN PRANGE, 66TH AVENUE, SW OF OSLO, FL (LAT 27 33 35 LONG 080 28 09)																	
JUL , 1983																	
26...	1000	940	2450	2570	690												
273342080403001 - 73304002 - EVANS GROVES, 14 AVENUE, NE OF FORT DRUM, FL (LAT 27 33 42 LONG 080 40 30)																	
APR , 1983																	
05...	0925	900	--	740	78												
273355080355601 - 73303501 - BRADY GROVES, WEST OF OSLO, FL (LAT 27 33 55 LONG 080 35 56)																	
JUN , 1983																	
07...	1015	--	2450	2380	600												
273357080274901 - 73302701 - VERNON FROMARG, 66TH AVE, SW OF OSLO, FL (LAT 27 33 57 LONG 080 27 49)																	
JUL , 1983																	
26...	1025	900	2500	2530	700												
273401080384101 - 73403801 - EVANS GROVE, 11 DE, WEST OF OSLO, FL (LAT 27 34 01 LONG 080 38 41)																	
JUN , 1983																	
07...	1045	--	1900	1860	430												
273409080265201 - 73402601 - IR 252 KINGS HIGHWAY, SW OF OSLO, FL (LAT 27 34 09 LONG 080 26 52)																	
JAN , 1983																	
25...	1330	660	2300	2440	630												
273418080290901 - 73402901 - IR CORRECTIONAL INST, 74 AVE, W OF OSLO, FL (LAT 27 34 18 LONG 080 29 09)																	
FEB , 1983																	
23...	1105	65	810	850	110												
273423080332201 - 73403301 - MORRISON GROVE, S OF OSLO RD, W OF OSLO, FL (LAT 27 34 23 LONG 080 33 22)																	
JUN , 1983																	
07...	0915	--	1420	1230	240												
AUG , 1983																	
JUL	13...	1440	--	1650	1600	213	25...	1250	--	--	1250	260					
273430080195301 - 73401901 - SEMINOLE SHORES, ALA, S OF RIOMAR, FL (LAT 27 34 30 LONG 080 19 53)																	
AUG , 1983																	
17...	1130	1100	4450	4640	1400												
273430080403001 - 73404003 - EVANS GROVES, 8AE, NE OF FORT DRUM, FL (LAT 27 34 30 LONG 080 40 30)																	
APR , 1983																	
05...	0900	960	--	1620	360												
273435080255101 - 73402501 - USDA SOUTH WELL, 43RD AVE, SW OF OSLO, FL (LAT 27 34 35 LONG 080 25 51)																	
FEB , 1983																	
08...	1515	--	--	1470	320												
FEB , 1983																	
23...	0915	--	--	1450	310												
273509080225801 - 73502208 - FATHER & SON APPLIANCE, OSLO, FL (LAT 27 35 09 LONG 080 22 58)																	
MAR , 1983																	
16...	1450	45	--	580	20												
JUL , 1983																	
MAY	25...	0830	45	--	618	21	13...	1315	45	610	580	19					
AUG																	
JUN	15...	1330	45	610	600	21	18...	1200	45	600	581	20					
SEP																	
21...																	
0800																	
45																	
--																	
570																	
18																	

GROUND WATER QUALITY RECORDS  
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INDIAN RIVER COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)						
273510080271901 - 73502702 - A HELSETH, OSLO RD, W OF OSLO, FL (LAT 27 35 10 LONG 080 27 19)																	
MAY , 1983																	
25...	1000	--	1850	1980	440												
273513080224001 - 73502202 - OSLO SQUARE NO 1, OSLO RD & US 1, OSLO, FL (LAT 27 35 13 LONG 080 22 40)																	
FEB , 1983																	
22...	1415	90	--	780	62												
273513080265201 - 73502604 -IR 254, SR 505A & OSLO ROAD, W OF OSLO, FL (LAT 27 35 13 LONG 080 26 52)																	
JAN , 1983																	
25...	1315	760	1850	1960	490												
273513080285101 - 73502803 - OCEAN SPRAY INDUSTRIES, OSLO RD, W OF OSLO, FL (LAT 27 35 13 LONG 080 28 51)																	
FEB , 1983																	
23...	1015	63	--	840	120												
273513080401201 - 73504001 - EVANS GROVES, 2AE, NE OF FORT DRUM, FL (LAT 27 35 13 LONG 080 40 12)																	
APR , 1983																	
05...	1000	920	1500	1540	300												
273514080224002 - 73502209 - OSLO SQUARE DEEP WELL, OSLO, FL (LAT 27 35 14 LONG 080 22 40)																	
AUG , 1983																	
18...	1145	--	1400	1820	400												
273518080273101 - 73502703 - HYATT FRUIT CO, OSLO RD, W OF OSLO, FL (LAT 27 35 18 LONG 080 27 31)																	
MAR , 1983																	
16...	1510	65	--	840	120	JUL , 1983											
MAY						13...	1410	65	930	840	120						
25...						0955	65	860	894	120	AUG						
JUN						15...	1345	65	910	895	110	18...					
15...						1345	65	910	895	110	1215						
											65						
											900						
											855						
											120						
											110						
											818						
											110						
273539080224601 - 73502204 - VISTA ROYALE NO 1, US 1, N OF OSLO, FL (LAT 27 35 39 LONG 080 22 46)																	
JUL , 1983																	
14...	1025	100	1020	1030	150												
273629080260401 - 73602601 - IR 256, LILLIAN LOCKWOOD, 43RD AVE, VERO BEACH, FL (LAT 27 36 29 LONG 080 26 04)																	
JAN , 1983																	
25...	1440	700	1900	2150	540												
273630080460601 - 73604601 - LATT MAXCY K-4, NE OF FORT DRUM, FL (LAT 27 36 30 LONG 080 46 06)																	
JUL , 1983																	
19...	1115	--	1800	1800	346												
273632080364501 - 73603001 - IR 266, CITRUS RD & 90TH AVE, W OF VERO BEACH, FL (LAT 27 36 32 LONG 080 30 45)																	
JAN , 1983																	
25...	1515	--	1615	1750	410												
273649080452701 - 73604501 - IR 202, LATT MAXCY F-7, NE OF FORT DRUM, FL (LAT 27 36 49 LONG 080 45 27).																	
JUL , 1983																	
19...	0935	730	2100	2230	500												
273710080230601 - 73702307 - TROPIC VILLAS NO 1, 6TH AVE & 10 ST, VERO BEACH, FL (LAT 27 37 10 LONG 080 23 06)																	
FEB , 1983																	
25...	1230	660	1320	1350	280												
273719080225601 - 73702201 - IR 243, 12TH ST, VERO BEACH, FL (LAT 27 37 19 LONG 080 22 56)																	
JUL , 1983																	
26...	1230	941	2600	2330	590												

GROUND WATER QUALITY RECORDS  
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INDIAN RIVER COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)						
273722080455901 - 73704501 - LATT MAXCY K-11, NE OF FORT DRUM, FL (LAT 27 37 22 LONG 080 45 59)																	
JUL , 1983																	
19...	1155	--	2425	2500	630												
273723080255401 - 73702501 - IR 255, MR YOUNG, 43RD AVE, W OF VERO BEACH, FL (LAT 27 37 23 LONG 080 25 54)																	
JAN , 1983																	
31...	1320	575	2150	2400	620												
273726080371501 - 73703701 - TALMADGE BROTHERS GROVE, W OF VERO BEACH, FL (LAT 27 37 26 LONG 080 37 15)																	
MAR , 1983																	
10...	1445	960	1700	1940	450												
273740080335701 - 73703301 - LYKES PASCO NO 6, SW OF VERO BEACH, FL (LAT 27 37 40 LONG 080 33 57)																	
MAR , 1983																	
10...	1345	1103	1500	1730	400												
273751080305101 - 73703002 - LAKEWOOD VILLAGE, 90TH AVE, W OF VERO BEACH, FL (LAT 27 37 51 LONG 080 30 51)																	
FEB , 1983																	
23...	1530	100	540	620	50												
273758080301501 - 73703001 - VILLAGE GREEN SOUTH, W OF VERO BEACH, FL (LAT 27 37 58 LONG 080 30 15)																	
JAN , 1983																	
26...	1505	766	2450	2790	740												
273805080223901 - 73702203 - VERO BEACH POWER PLANT NO 2, VERO BEACH, FL (LAT 27 38 05 LONG 080 22 39)																	
JUN , 1983																	
09...	0900	--	2300	2740	630												
273814080245201 - 73802402 - IR 24, 1ST CHRIST CHURCH, SR 60, VERO BEACH, FL (LAT 27 38 14 LONG 080 24 52)																	
JAN , 1983																	
24...	1045	671	--	1780	430												
MAR																	
16...	1200	671	1800	1830	450												
APR																	
26...	1545	671	1550	1830	440												
MAY																	
24...	1520	671	--	1780	400												
273815080235101 - 73802309 - IR 10-241, OLD POWER PLANT, VERO BEACH, FL (LAT 27 38 15 LONG 080 23 15)																	
JUL , 1983																	
08...	0925	665	2900	2900	790												
273818080284801 - 73802804 - WILLIAMS GROVE, SR 60, W OF VERO BEACH, FL (LAT 27 38 18 LONG 080 28 48)																	
JUL , 1983																	
26...	1200	725	2200	2230	560												
273819080260101 - 73802602 - IR 228, F POLLOCK SR, 60 & MAIN CANAL, VERO BEACH, FL (LAT 27 38 19 LONG 080 26 01)																	
JAN , 1983																	
26...	1140	750	1230	1280	280												
MAR																	
16...	1140	750	1250	1280	270												
APR																	
26...	1515	750	1250	1280	280												
MAY																	
24...	1540	750	--	1340	260												
273823080303701 - 73803002 - VICTOR BLDG, SR 60 & 87 AVE, W OF VERO BEACH, FL (LAT 27 38 23 LONG 080 30 37)																	
FEB , 1983																	
23...	1500	78	540	540	14												

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

INDIAN RIVER COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)
273827080322001 - 73803201 - SR 60 WEST OF I-95, W OF VERO BEACH, FL (LAT 27 38 27 LONG 080 32 20)											
APR , 1983											
06...	0950	--	2600	3020	840						
273828080283901 - 73802801 - VILLAGE GREEN NO 1, SR 60, W OF VERO BEACH, FL (LAT 27 38 28 LONG 080 28 39)											
MAR , 1983											
24...	0905	760	2525	2700	740						
273833080233901 - 73802301 - IR 23, EPISCOPAL CHURCH, VERO BEACH, FL (LAT 27 38 33 LONG 080 23 39)											
JAN , 1983											
26...	1045	690	1840	2100	500						
273833080461901 - 73804601 - R PRINCE, SR 60, E OF YEEHAW JUNCTION, FL (LAT 27 38 33 LONG 080 46 19)											
FEB , 1983											
02...	1650	--	--	2550	640	JUN , 1983					
MAR						16...	1030	--	2380	2680	590
MAR						16...	1045	--	2600	2550	640
APR						27...	1030	--	2350	2560	640
MAY						26...	1220	--	2400	2570	640
						22...	1515	--	--	2560	620
273835080345801 - 73803401 - KROMHOUT GROVE, SR 60, W OF VERO BEACH, FL (LAT 27 38 35 LONG 080 34 58)											
APR , 1983											
06...	1225	600	1380	1350	240						
273846080254701 - 73802501 - USDA NORTH WELL, 26TH ST & 43RD AVE, VERO BEACH, FL (LAT 27 38 46 LONG 080 25 47)											
FEB , 1983											
23...	1405	--	1070	1190	200						
273859080235101 - 73802307 - 30TH ST, VERO BEACH, FL (LAT 27 38 59 LONG 080 23 51)											
APR , 1983											
12...	1530	--	2200	2450	630						
273900080232301 - 73902303 - IR 240, ROYAL PALM GOLF CLUB, VERO BEACH, FL (LAT 27 39 00 LONG 080 23 23)											
JAN , 1983											
31...	1110	550	1270	1420	300						
273905080241101 - 73902421 - VERO BEACH NO 21, AIRPORT, VERO BEACH, FL (LAT 27 39 05 LONG 080 24 11)											
JUL , 1983											
13...	1400	688	1700	1750	360						
273906080241050 - COMPOSITE - VERO BEACH WELL FIELD AT VERO BEACH, FL (LAT 27 39 06 LONG 080 24 10)											
MAR , 1983											
30...	1455	--	--	840	78	JUL , 1983					
APR						01...	1218	--	1180	--	68
MAY						29...	1030	--	1030	--	88
31...	1135	--	--	860	89						
273945080281801 - 73902801 - J JOHNSON, BARBER AVE, W OF VERO BEACH, FL (LAT 27 39 45 LONG 080 28 18)											
JUL , 1983											
26...	1625	760	2200	1740	440						
273947080230501 - 73902304 - MOSQUITO CONTROL, E OF GIFFORD, FL (LAT 27 39 47 LONG 080 23 05)											
AUG , 1983											
17...	1550	--	2025	1960	470						



GROUND WATER QUALITY RECORDS  
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INDIAN RIVER COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
273953080274801 - 73902701 - IR 208, FRANK BATES, SR 505, W OF VERO BEACH, FL (LAT 27 39 53 LONG 080 27 48)											
JAN , 1983						JUN , 1983					
26...	1345	700	1540	1560	410	15...	1400	700	1575	1720	340
MAR						JUL					
16...	1115	700	1500	1500	340	14...	1130	700	1500	1550	320
APR						AUG					
27...	1005	700	1550	1650	390	18...	1035	700	1700	1690	390
MAY											
25...	1035	700	1850	1890	440						
274000080243701 - 74002402 - VERO BCH 8, DESTROYED, S GIFFORD RD, VERO BEACH, FL (LAT 27 40 00 LONG 080 24 37)											
DEC , 1982											
01...	0955	108	--	1040	120						
274000080243702 - 74002404 - VERO BEACH 8-T, S GIFFORD RD, VERO BEACH, FL (LAT 27 40 00 LONG 080 24 37)											
JAN , 1983											
31...	1310	40	--	1040	120						
274005080244901 - 74002401 - IR 230, S GIFFORD RD, W OF GIFFORD, FL (LAT 27 40 05 LONG 080 24 49)											
FEB , 1983											
09...	1045	720	850	920	130						
274016080481601 - 74004801 - K D EATMON, SR 60, E OF YEEHAW JUNCTION, FL (LAT 27 40 16 LONG 080 48 16)											
JUL , 1983											
27...	1400	--	1000	998	140						
274055080281301 - 74002801 - IR 210, WALTER POOL, LINDSEY RD, GIFFORD, FL (LAT 27 40 55 LONG 080 28 13)											
JUL , 1983						AUG , 1983					
14...	1145	650	2100	2150	500	18...	1025	650	--	2160	550
274113080475501 - 74104701 - IR 188, W SURRENCY, BLUE CYPRESS RD, SW OF BLUE CYPRESS LK, FL (LAT 27 41 13 LONG 080 47 55)											
MAR , 1983											
03...	1520	700	1940	2190	540						
274116080265001 - 74102601 - IR 216, SR 505A, W OF GIFFORD, FL (LAT 27 41.16 LONG 080 26 50)											
JAN , 1983						JUN , 1983					
27...	1340	635	1540	1560	350	15...	1510	635	2040	2140	470
274121080241701 - 74102401 - IR 233, KENNEDY GROVE, N OF GIFFORD, FL (LAT 27 41 21 LONG 080 24 17)											
FEB , 1983											
09...	1005	635	1000	1370	300						
274142080294301 - 74102902 - IR 226, RANCH RD, SW OF WINTER BEACH, FL (LAT 27 41 42 LONG 080 29 43)											
MAR , 1983											
02...	1300	--	2750	2550	720						
274145080252901 - 74102501 - BENT PINE CC, KINGS HIGHWAY, W OF WINTER BEACH, FL (LAT 27 41 45 LONG 080 25 29)											
MAR , 1983											
10...	1215	105	570	680	45						
274156080344301 - 74103401 - JACK BERRY GROVE, BLK 99, S OF FELLSMERE, FL (LAT 27 41 56 LONG 080 34 43)											
MAR , 1983											
30...	1300	700	1600	1740	400						
274226080242501 - 74202401 - IR 234, N OF GIFFORD, FL (LAT 27 42 26 LONG 080 24 25)											
JAN , 1983						JAN , 1983					
27...	1315	500	2100	2140	530	27...	1420	500	1800	1900	400
274240080264201 - 74202602 - L BURGESS, S WINTER BEACH RD, W OF WINTER BEACH, FL (LAT 27 42 40 LONG 080 26 42)											
APR , 1983											
13...	1400	--	1270	1260	230						

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INDIAN RIVER COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS) (90095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS) (90095)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	
274250080354401 - 74203501 - JACK BERRY GROVE, BLK 55, S OF FELLSMERE, FL (LAT 27 42 50 LONG 080 35 44)												
MAR , 1983												
30...	1235	700	1100	1110	220							
274309080245001 - 74302401 - IR 235, GEORGE HAMILTON, WINTER BEACH, FL (LAT 27 43 09 LONG 080 24 50)												
MAR , 1983												
02...	1330	500	1420	1420	290							
274309080265301 - 74302601 - CIBA GEIGY CO, W OF WINTER BEACH, FL (LAT 27 43 09 LONG 080 26 53)												
APR , 1983												
13...	1425	651	920	940	260							
274310080293301 - 74302901 - IR 58, GRAVES BROS, N WINTER BEACH RD, W OF WINTER BEACH, FL (LAT 27 43 10 LONG 080 29 33)												
FEB , 1983												
09...	1450	400	2500	2750	740							
274337080233901 - 74302301 - IR 116, JUNGLE TRAIL, S OF ORCHID, FL (LAT 27 43 37 LONG 080 23 39)												
JAN , 1983												
27...	1500	650	--	1290	250	JUN , 1983						
MAR , 1983												
16...	0920	650	1230	1280	250	15...	0930	650	1220	1300	220	
APR , 1983												
26...	1000	650	1200	1250	250	JUL	13...	0920	650	--	1290	230
MAY , 1983												
24...	1305	650	--	1340	250	AUG	18...	0910	650	1260	1300	250
274350080364501 - 74303601 - JACK BERRY GROVE, BLK 11, S OF FELLSMERE, FL (LAT 27 43 50 LONG 080 36 45)												
MAR , 1983												
30...	1215	708	1040	970	170	SEP	20...	1040	650	--	1280	240
274445080235901 - 74402301 - IR 104, DEERFIELD GROVES, S OF ORCHID, FL (LAT 27 44 45 LONG 080 23 59)												
MAR , 1983												
02...	1500	1000	2150	2700	700	274450080232401 - 74402303 - BAYTREE, ALA, S OF WABASSO BEACH, FL (LAT 27 44 50 LONG 080 23 24)						
MAR , 1983												
15...	1130	1055	2225	2450	600	274452080275501 - 74402701 - IR 147A, S PFARR, SR 510, W OF WEBASSO, FL (LAT 27 44 52 LONG 080 27 55)						
MAR , 1983												
03...	1025	620	1140	1370	290	274501080282101 - 74502802 - IR 160M, W OF WEBASSO, FL (LAT 27 45 01 LONG 080 28 21)						
FEB , 1983												
09...	1430	600	1580	1650	380	274514080365601 - 74503601 - HAROLD PLATT, FELLSMERE, FL (LAT 27 45 14 LONG 080 36 56)						
MAR , 1983												
03...	0930	--	2060	2580	680	JUL , 1983						
15...	1440	--	2425	2600	680	13...	1055	--	2400	2550	670	
APR , 1983												
26...	1430	--	2400	2590	670	AUG	18...	1450	--	2500	2600	660
MAY , 1983												
25...	1410	--	2550	2720	690	SEP	21...	1400	--	--	2580	650
JUN , 1983												
15...	1140	--	2400	2690	590							

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

INDIAN RIVER COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) (00940)						
274522080304301 - 74503003 - SR 510, S OF RIVER BRIDGE, FL (LAT 27 45 22 LONG 080 30 43)																	
FEB , 1983						JUN , 1983											
09...	1155	--	--	2000	500	15...	1105	--	--	2060	460						
MAR						JUL											
16...	0955	--	1920	1980	510	13...	1035	--	1850	2000	440						
APR						AUG											
26...	1335	--	1900	2000	500	18...	1440	--	1800	2000	500						
MAY						SEP											
24...	1225	--	1900	2090	510	20...	1640	--	--	2000	500						
274524080240801 - 74502406 - N BEACH WATER CO NO 2, S OF ORCHID, FL (LAT 27 45 24 LONG 080 24 08)																	
MAR , 1983																	
16...	1045	960	4000	4780	1500												
274532080241801 - 74502405 - N BEACH WATER CO NO 1, S OF ORCHID, FL (LAT 27 45 32 LONG 080 24 18)																	
AUG , 1983																	
03...	1140	1000	2800	3180	910												
274534080251101 - 74502502 - MARSH ISLAND, SR 510, E OF WABASSO, FL (LAT 27 45 34 LONG 080 25 11)																	
MAR , 1983																	
15...	1205	390	1050	1140	220												
274549080245201 - 74502402 - IR 73, DEERFIELD GROVES, ORCHID, FL (LAT 27 45 49 LONG 080 24 52)																	
MAR , 1983																	
02...	1400	800	2140	2100	540												
274553080243801 - 74502407 - IR 69, DEERFIELD GROVES, ORCHID, FL (LAT 27 45 53 LONG 080 24 38)																	
JUN , 1983																	
09...	1215	550	2100	2380	550												
274553080245801 - 74502401 - IR 72, DEERFIELD GROVES, ORCHID, FL (LAT 27 45 53 LONG 080 24 58)																	
MAR , 1983																	
02...	1410	800	1280	1330	290												
274558080304201 - 74503001 - JOHN BRADLEY, SR 510 & SR 512, RIVER BRIDGE, FL (LAT 27 45 58 LONG 080 30 42)																	
FEB , 1983																	
09...	1210	540	1900	2020	500												
274601080313801 - 74603101 - IR 175, SR 510, W OF RIVER BRIDGE, FL (LAT 27 46 01 LONG 080 31 38)																	
FEB , 1983																	
09...	1300	600	2320	2450	640												
274606080335401 - 74603301 - SCHINER MEMORIAL WELL E OF FELLSMERE, FL (LAT 27 46 06 LONG 080 33 54)																	
APR , 1983																	
26...	--	--	2400	2400	620												
274607080493001 - 74604901- USGS OBSERVATION WELL IRI89, NEAR YEEHAW JUNCTION, FL (LAT 27 46 07 LONG 080 49 30)																	
MAR , 1983																	
08...	1030	630	1300	1500	330												
274609080361501 - 74603611 - FELLSMERE ELEMENTARY SCHOOL NO 1, FELLSMERE, FL (LAT 27 46 09 LONG 080 36 15)																	
MAR , 1983																	
03...	1000	80	545	640	69												
274635080244501 - 74602406 - IR 60, DEERFIELD GROVES, ORCHID, FL (LAT 27 46 35 LONG 080 24 45)																	
JUN , 1983																	
09...	1140	550	1400	1580	260												

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

## INDIAN RIVER COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
274636080244001 - 74602405 - IR 59, DEERFIELD GROVES, ORCHID, FL (LAT 27 46 36 LONG 080 24 40)											
JUN , 1983											
09...	1150	650	2240	2520	600						
274640080243401 - 74602403 - IR 201, DEERFIELD GROVES, N OF ORCHID, FL (LAT 27 46 40 LONG 080 24 34)											
MAR , 1983											
02...	1425	883	1825	2220	540						
274641080244701 - 74602404 - IR 51, DEERFIELD GROVES, N OF ORCHID, FL (LAT 27 46 41 LONG 080 24 47)											
JUN , 1983											
09...	1115	800	2300	2680	660						
274647080313401 - 74603102 - IR 169, C L'ORANGE, E OF FELLSMERE, FL (LAT 27 46 47 LONG 080 31 34)											
JUN , 1983											
15...	1120	525	2400	2750	660						
274719080274301 - 74702703 - GENERAL DEVELOPMENT CO, SCHUMANN DR, SEBASTIAN, FL (LAT 27 47 19 LONG 080 27 43)											
JUN , 1983											
15...	1035	510	1000	1080	200						
AUG , 1983											
18... 1005 510 1000 1040 200											
JUL											
13... 1015 510 1010 1040 190											
SEP											
20... 1350 510 -- 1018 200											
274837080293501 - 74802901 - SEBASTIAN COUNTRY CLUB NR AIRPORT, SEBASTIAN, FL (LAT 27 48 37 LONG 080 29 35)											
MAR , 1983											
10...	0830	840	1750	1750	400						
274927080290601 - 74902901 - B AND S FISH CO, N OF SEBASTIAN, FL (LAT 27 49 27 LONG 080 29 06)											
AUG , 1983											
10...	1140	700	1500	1580	370						
275057080292301 - 75002906 - BOB'S INN, ROSELAWN, FL (LAT 27 50 57 LONG 080 29 23)											
JUL , 1983											
26...	1445	409	1320	1240	280						
275114080265401 - 75102601 - MOSQUITO CONTROL WELL, SEBASTIAN INLET, FL (LAT 27 51 14 LONG 080 26 54)											
JAN , 1983											
27...	0850	--	1170	1330	280						
MAR , 1983											
15... 1230 -- 1260 1320 280											
275117080270401 - 75102702 - STATE PARK, SEBASTIAN INLET, FL (UNUSED) (LAT 27 51 17 LONG 080 27 04)											
APR , 1983											
26...	1115	480	1040	1080	210						
JUL , 1983											
13... 0950 480 1050 1070 210											
MAY											
24... 1030 480 1030 1220 220											
AUG											
18... 0940 480 1040 1090 210											
SEP											
20... 1125 480 -- 1070 210											
JUN											
15... 1000 480 1040 1120 190											

KEY TO SITE LOCATIONS ON FIGURE 14  
LAKE COUNTY

Index number	Site number	Page number
1	283204081544901	81
1	283204081544902	81
2	283314081455501	82
3	284445081462101	82
4	284842081533001	83
5	284855081520401	83
6	290647081342101	84
7	290950081315501	85

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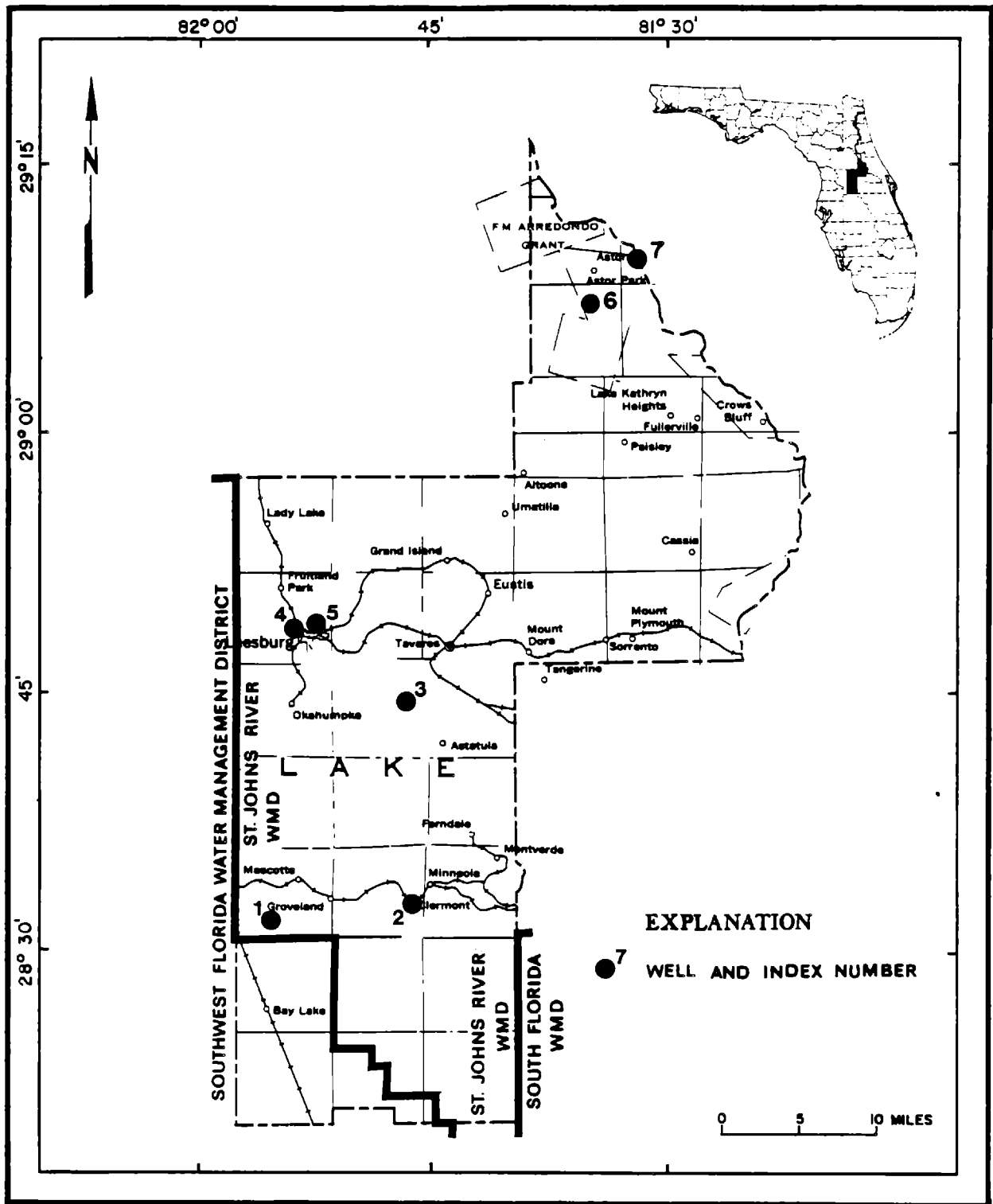


Figure 14. Location of wells in Lake County.



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## LAKE COUNTY

WELL NUMBER.--283314081455501. Local Number 833-145-01. City Well Replacement in Clermont, FL.

LOCATION.--Lat 28°33'14", long 81°45'55", in NE¼SE¼SW¼ sec.24, T.22 S., R.25 E., Hydrologic Unit 03080102, on Lake Avenue 0.2 mi north of State Highway 50 in Clermont.

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

WELL CHARACTERISTICS.--Drilled, domestic well, diameter 8 in, depth 525 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 1.03 ft above land-surface datum.

DATUM.--Land-surface datum is 150 ft, from topographic map.

REMARKS.--Record is equivalent to that for Clermont Deep (283230081455901), available February 1972 to December 1981.

PERIOD OF RECORD.--May 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 85.39 ft NGVD, Sept. 6,14,21, 1983; lowest, 80.62 ft May 22, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	84.07	84.31	84.07	83.71	83.80	84.42	84.90	85.09	84.33	85.02	84.84	85.21
10	84.28	84.28	83.84	83.67	84.07	84.56	84.99	84.86	84.47	85.19	85.00	85.14
15	84.35	84.30	83.88	83.54	84.20	84.68	---	84.61	84.59	84.98	85.10	85.19
20	84.34	84.22	83.92	83.53	84.29	84.81	---	84.13	84.53	84.68	85.17	85.22
25	84.40	84.07	83.87	83.59	84.41	84.74	---	84.00	84.77	84.72	85.07	85.14
EOM	84.33	84.17	83.75	83.67	84.51	84.95	85.07	84.09	84.83	84.75	85.09	85.09
MAX	84.42	84.40	84.13	83.90	84.51	84.95	---	85.09	84.83	85.19	85.19	85.39

WELL NUMBER.--284445081462101. Local Number 844-146-244. Lake Yale Groves Well near Tavares, FL.

LOCATION.--Lat 28°44'45", long 81°46'21", in SE¼SW¼ sec.13, T.20 S., R.25 E., Hydrologic Unit 03080102, on north side of Little Lake Harris, 0.2 mi west of State Highway 19, and 3.8 mi south of Tavares.

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

WELL CHARACTERISTICS.--Drilled, irrigation, artesian well, diameter 8 in, depth 200 ft, cased to 112 ft.

INSTRUMENTATION.--Airline or tape measured. Measuring point: Top of 8 in coupling at land-surface datum.

DATUM.--Land-surface datum is 64.75 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1963 (annually); October 1963 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.45 ft NGVD, Mar. 13, 1970; lowest measured, 62.51 ft NGVD, May 12, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			JUN		
16...	0930	69.67	21...	1405	67.45
JAN			AUG		
11...	1045	67.17	25...	1515	68.02
MAR			SEP		
02...	1300	67.97	16...	1200	69.65
MAY					
06...	1015	68.05			
18...	1115	67.44			



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## LAKE COUNTY

WELL NUMBER.--284842081533001. Local Number 848-153-01. College Street Well at Leesburg, FL.

LOCATION.--Lat 28°48'42", long 81°53'30", in SW¼NE¼NE¼ sec.27, T.19 S., R.24 E., Hydrologic Unit 03080102, on west side of College Street, near water tank, 350 ft north of West Main Street in Leesburg.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 245 ft, cased to 90 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Edge of flange, 1.2 ft above land-surface datum.

DATUM.--Land-surface datum is 93.10 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1973 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 69.07 ft NGVD, Oct. 8, 1982; lowest, 57.29 ft NGVD, May 16, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	68.60	68.25	66.43	64.94	64.31	65.47	66.64	66.80	65.08	67.81	66.83	67.27
10	68.43	67.87	66.57	65.45	64.96	65.77	66.40	66.30	66.58	67.79	67.25	66.66
15	68.99	67.33	65.38	63.99	65.82	66.03	---	65.32	66.94	66.65	67.33	66.96
20	68.51	67.06	66.21	64.06	66.79	67.26	---	64.91	66.51	66.34	66.98	66.87
25	68.89	66.75	66.07	64.54	65.70	67.31	67.66	64.48	67.48	66.11	66.87	66.92
EOM	68.45	66.50	64.51	65.09	66.77	66.49	66.67	66.16	67.66	66.99	66.64	66.40
MAX	69.07	68.61	66.85	65.74	67.03	67.81	---	67.13	67.66	67.87	67.33	67.27

WELL NUMBER.--284855081520401. Local Number Lake 848-152-01. Herlong Park Well at Leesburg, FL.

LOCATION.--Lat 28°48'55", long 81°52'04", in SE¼SW¼SW¼ sec.24, T.19 S., R.24 E., Hydrologic Unit 03080102, on north side of Herlong Park, 450 ft north of U.S. Highway 44 Bypass in Leesburg.

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

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

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.30 ft above land-surface datum.

DATUM.--Land-surface datum is 60.61 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1974 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.46 ft NGVD, Sept. 13, 1982; lowest measured, 49.67 ft NGVD, May 1, 1974.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			MAY		
02...	1040	64.91	18...	1046	56.24
08...	1200	64.90	JUN		
JAN			21...	1200	63.71
13...	1225	58.36	AUG		
FEB			22...	0815	63.52
28...	1100	62.90	SEP		
APR			13...	1320	62.83
25...	1220	61.97			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## LAKE COUNTY

WELL NUMBER.--290647081342101. Local Number 906-134-01. USGS Well 2 miles north of Alexander Springs near Astor Park, FL.

LOCATION.--Lat 29°06'47", long 81°34'21", in Land Grant 39, T.16 S., R.27 E., Hydrologic Unit 03080101, 70 ft east of State Highway 445, and 2.7 mi south of Astor Park.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 190 ft, casing length 140 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 4 in coupling, 3.24 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 48.94 ft National Geodetic Vertical Datum of 1919.

PERIOD OF RECORD.--January to September 1983 (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.54 ft NGVD, July 13, 1983; lowest measured, 38.74 ft NGVD, Jan. 7, 1983.

## ELEVATION, IN FEET NGVD, FOR PERIOD JANUARY TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
JAN			JUL		
07...	1015	38.74	13...	1500	39.54
MAR			SEP		
01...	1535	39.17	14...	1456	39.39
MAY					
03...	0910	39.52			
16...	1331	39.22			

WELL NUMBER.--290950081315501. Local Number Lake 909-131-1. USGS Observation Well at Astor Park, FL.

LOCATION.--Lat 29°09'50", long 81°31'55", in land grant 37, T.15 S., R.28 E., Hydrologic Unit 03080101, at residence 200 ft north of State Highway 40, and 1.0 mi west of St. Johns River at Astor Park.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 254 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 6 in coupling, 2.30 ft above land-surface datum.

DATUM.--Land-surface datum is 17.78 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1936 to December 1949 (monthly); January 1950 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.15 ft NGVD, in October 1945; lowest measured, 10.69 ft NGVD, June 17, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			MAY		
24...	1540	14.05	04...	0905	14.12
JAN			16...	1310	13.86
07...	0945	13.67	JUL		
12...	0950	13.67	13...	1515	14.05
MAR			SEP		
01...	1520	14.32	14...	1631	13.65

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

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LAKE COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
282126081403901	821140 24S26E35 SW OF VINELAND FL	28 21 26	081 40 39	01	83-05-17 83-09-15	117.62 119.13
282443081425201	82414201 24S26E09 LYKES GROVE W OF VINELAND FL	28 24 43	081 42 52	01	83-09-16	115.87
282633081425601	BRADSHAW WINDMILL W OF VINELAND FL	28 26 33	081 42 56	01	83-05-18 83-09-16	91.23 91.73
282640081470501	82614701 23S25E35 CENTRAL GROVES INC E OF BAY LK FL	28 26 40	081 47 05	01	83-05-19 83-09-15	107.88 110.23
282643081395401	826139 23S26E36 MCMILLIAN BROS W OF VINELAND FL	28 26 43	081 39 54	01	83-05-18 83-09-16	91.29 92.75
282823081500401	82815001 23S25E20 D D GAFFNEY E OF BAY LAKE FL	28 28 23	081 50 04	01	83-05-17 83-09-14	103.23 104.17
282829081413601	82814101 23S26E22 HI ACRES INC SE OF CLERMONT FL	28 28 29	081 41 36	01	83-05-19 83-09-16	85.37 87.61
282954081463001	LAKE 829-146-02 O J PRIEBE 8-IN S OF CLERMONT FL	28 29 54	081 46 30	01	83-05-17 83-09-15	90.30 92.15
283031081440201	83014402 23S26E05 WELL NR CLERMONT FL	28 30 31	081 44 02	01	83-05-18	79.68
283111081502001	831150 23S25E06 WELL SW OF CLERMONT FL	28 31 11	081 50 20	01	83-05-19 83-09-15	97.48 100.97
283116081442301	83114401 23S26E05 RINGS POND SE OF CLERMONT FL	28 31 16	081 44 23	01	83-05-19 83-09-16	80.86 82.94
283232081394101	83213902 22S26E25 EDGEWATER BCH E OF CLERMONT FL	28 32 32	081 39 41	01	83-05-16 83-09-14	82.73 83.87
283307081435301	83314301 22S26E20 JACKS LAKE WELL E OF CLERMONT FL	28 33 07	081 43 53	01	83-05-16 83-09-16	80.17 81.43
283351081400101	833140-- 22S26E24 R KEENE WELL NR MONTEVERDE FL	28 33 51	081 40 01	01	83-05-16 83-09-16	72.86 75.76
283359081411501	22S26E14 332 FDAWPC NR MONTEVERDE FL	28 33 59	081 41 15	01	83-05-16 83-09-14	74.40 75.06
283422081480401	834148 22S25E15 SAND MINE 565A S OF CLERMONT FL	28 34 22	081 48 04	01	83-05-16 83-09-14	92.06 92.66
283530081514501	83515101 22S24E12 NEAR LAKE LUCY NR MASCOTTE FL	28 35 30	081 51 45	01	83-05-16 83-09-14	88.24 89.01
283540081402401	22S26E01 333 WELL AT MONTEVERDE FL	28 35 40	081 40 24	01	83-05-16 83-09-14	75.49 75.89
283736081444601	83714401 21S26E30 KING HUPPEL INC W OF FERNDALE FL	28 37 36	081 44 46	01	83-05-16 83-09-16	70.71 71.44
283829081481701	83814801 TURNPIKE CHEVRON WELL W OF FERNDALE FL	28 38 29	081 48 17	01	83-05-16 83-09-15	83.37 84.40
283830081534901	83815301 21S24E27 M J VITTI WELL N OF MASCOTTE FL	28 38 30	081 53 49	01	83-05-17 83-09-15	89.78 89.85

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

LAKE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
284129081414201	21S26E03 214 WELL SE OF ASTATULA FL	28 41 29	081 41 42	01	83-05-18 83-09-16	69.30 70.61
284135081565501	84115601 21S24E06 841156113 BUSH S OF OKAHUMPKA FL	28 41 35	081 56 55	01	83-05-17	78.30
284232081533001	842153142 20S24E34 CITRUS PROP S OF OKAHUMPKA FL	28 42 32	081 53 30	01	83-05-17 83-09-15	83.90 83.15
284236081440101	842144244 20S26E29 PANTLEY WELL AT ASTATULA FL	28 42 36	081 44 01	01	83-05-18 83-09-14	71.15 70.87
284241081402601	84214001 20S26E25 USGS KEEN RANCH E OF ASTATULA FL	28 42 41	081 40 26	01	83-05-18 83-09-14	58.72 63.40
284245081463301	843145331 20S25E26 WELL 1 W OF HOWEY IN THE HILLS FL	28 42 45	081 46 33	01	83-09-16	77.68
284258081495701	84214901 20S25E29 CLARK W OF HOWEY IN THE HILLS FL	28 42 58	081 49 57	01	83-05-17 83-09-15	77.92 78.98
284328081515901	843151 20S24E25 CREEK FARM SE OF OKAHUMPKA FL	28 43 28	081 51 59	01	83-05-17 83-09-15	81.39 81.61
284503081515501	84515101 20S24E13 HAWTHORNE IRR NE OF OKAHUMPKA FL	28 45 03	081 51 55	01	83-05-17 83-09-15	85.92 87.50
284728081322201	LAKE 847-132-1 CENTRAL ACADEMY NR SORRENTO FL	28 47 28	081 32 22	01	83-05-17 83-09-21	51.84 52.40
284757081543002	C R WILLIAMS WELL AT LEESBURG FL	28 47 57	081 54 30	02	83-05-18 83-09-13	69.46 69.22
284759081500101	84715001 19S25E32 H HULL WELL NR SUNNYSIDE FL	28 47 59	081 50 01	01	83-05-18 83-09-13	67.63 68.67
284808081432801	84814301 19S26E28 TAVERAS WELL 3 AT TAVARES FL	28 48 08	081 43 28	01	83-05-20 83-09-21	60.66 63.33
284826081254601	84812502 19S29E29 HARDIN WELL E OF PLYMOUTH FL	28 48 26	081 25 46	01	83-05-20 83-09-21	21.47 22.15
284827081403501	848140-- 19S26E26 D BARTHOLOW WELL NR MOUNT DORA FL	28 48 27	081 40 35	01	83-05-19 83-09-12	60.15 62.12
284844081512201	84815101 19S24E25 NAT'L GAS PLANT AT LEESBURG FL	28 48 44	081 51 22	01	83-05-18 83-09-13	62.97 65.26
284856081383001	CITY WELL 3 MOUNT DORA FL	28 48 56	081 38 30	01	83-05-19 83-09-21	54.05 57.92
284857081570901	84815701 19S24E19 848157444 ALIBRANDI FRUITLND PK FL	28 48 57	081 57 09	01	83-05-18 83-09-13	71.88 70.87
284917081353701	84913501 19S27E22 RICKEY & REED NE OF MOUNT DORA FL	28 49 17	081 35 37	01	83-05-19 83-09-13	52.66 52.94
284927081495201	84914901 19S25E20 C BUFORD FISHERIES AT LEESBURG FL	28 49 27	081 49 52	01	83-05-18 83-09-13	64.54 65.45
284929081294901	849129 19S28E22 HWY46A NE OF SORRENTO FL	28 49 29	081 29 49	01	83-05-19 83-09-14	44.65 44.95

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

LAKE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
284934081474801	849147-- 19S25E22 LK SUMTER JC (ABAN) AT LEESBURG FL	28 49 34	081 47 48	01	83-05-20 83-09-13	64.31 65.15
285018081393901	85013901 19S26E13 EICHELBURGER E OF EUSTIS FL	28 50 18	081 39 39	01	83-05-19 83-09-12	54.74 56.31
285028081253301	85012501 19S29E-- MAJOR REALTY W OF LK MONROE FL	28 50 28	081 25 33	01	83-09-21	24.82
285057081321301	NEW HEINDRICK WELL NR MOUNT PLYMOUTH FL	28 50 57	081 32 13	01	83-05-19 83-09-21	46.40 46.49
285106081234801	85112301 19S29E-- MAJOR REALTY W OF LK MONROE FL	28 51 06	081 23 48	01	83-09-21	23.75
285129081541002	CITY WELL 2 COMM BLDG FRUITLAND PARK FL	28 51 27	081 54 51	01	83-05-18 83-09-13	64.13 64.40
285244081471401	852147 18S25E35 GROVE AT BAP CHURCH LISBON FL	28 52 44	081 47 14	01	83-05-19 83-09-12	61.76 61.98
285257081434201	852143121 18S26E32 J EICHELBURGER GRAND ISLAND FL	28 52 57	081 43 42	01	83-05-19 83-09-12	60.59 61.12
285318081281801	853128 16S28E25 COMM CLUB CASSIA FL	28 53 18	081 28 18	01	83-05-17 83-09-14	40.29 40.34
285318081340601	853134 18S27E25 EUSTIS SAND CO N OF PLYMOUTH FL	28 53 18	081 34 06	01	83-05-19 83-09-15	50.40 50.28
285424081541601	LADY LAKE MOBILE HOME PARK LADY LAKE FL	28 54 24	081 54 16	01	83-05-18 83-09-16	60.65 61.12
285426081380901	854138 18S27E20 A B MARSHALL AT UMATILLA FL	28 54 26	081 38 09	01	83-05-19 83-09-12	54.71 56.57
285452081563201	85415601 18S24E19 R P ROWLEY W OF LADY LAKE FL	28 54 52	081 56 32	01	83-05-18 83-09-16	58.56 58.62
285504081405901	855140-- 18S26E14 AUSTIN GROVES AT UMATILLA FL	28 55 04	081 40 59	01	83-05-19 83-09-12	49.20 55.47
285539081262901	PINE LAKES WELL ON SR 44 PINE LAKES FL	28 55 39	081 26 29	01	83-05-17 83-09-14	38.56 38.78
285545081312701	ED KELL WELL NR CASSIA FL	28 55 45	081 31 27	01	83-05-19	48.82
285606081240401	PINE LAKES EAST WELL PINE LAKES FL	28 56 06	081 24 04	01	83-05-20 83-09-21	30.07 30.44
285627081400001	856140 18S26E12 CITY WELL AT UMATILLA FL	28 56 27	081 40 00	01	83-05-19 83-09-12	57.95 59.85
285645081492401	856149-- 18S25E09 D HARTMAN S OF STARKES FERRY FL	28 56 45	081 49 24	01	83-05-19 83-09-12	58.32 58.92
285707081441101	857144-- 18S26E05 J F ERVINE W OF UMATILLA FL	28 57 07	081 44 11	01	83-05-19 83-09-12	52.57 53.36
285722081360501	85713601 18S27E03 R E MAXWELL E OF UMATILLA FL	28 57 22	081 36 05	01	83-05-17 83-09-21	48.70 49.43

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

LAKE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
285726081465601	857146-- 18S25E02 MAY BROS FRUIT W OF UMATILLA FL	28 57 26	081 46 56	01	83-05-19 83-09-12	59.75 59.70
285827081331401	85813301 17S28E31 PAUL SHOKLY AT PAISLEY FL	28 58 27	081 33 14	01	83-05-17 83-09-14	45.62 45.84
290000081380001	90013801 17S27E17 PITMAN WKS CTR NR PITTMAN FL	29 00 44	081 38 28	01	83-05-16 83-09-14	49.48 50.02
290047081232501	900123-- 17S29E-- US FOREST SERV NR CROWS BLUFF FL	29 00 47	081 23 25	01	83-05-17 83-09-14	17.46 17.36
290105081292701	OLEANDER RD AT LAKE KATHRYN HEIGHTS FL	29 01 05	081 29 27	01	83-05-17 83-09-14	39.02 39.31
290105081363401	MEADOWS SUBDIV NR ASTOR PARK FL	29 01 05	081 36 34	01	83-05-17 83-09-15	24.90 25.22
290153081272501	HUNT CAMP AT CLAY LAKE NR FULLERVILLE FL	29 01 53	081 27 25	01	83-05-17 83-09-14	36.52 36.77
290208081250201	ST FRANCIS WELL NR CROWS BLUFF FL	29 02 08	081 25 02	01	83-05-17 83-09-21	11.68 12.08
290222081371601	ALEXANDER SP GROCERY NR ASTOR PARK FL	29 02 22	081 37 16	01	83-05-17 83-09-15	59.00 60.72
290244081302601	90213001 17S28E03 ALEX.SPGS CRK N OF LK KATHRYN FL	29 02 44	081 30 26	01	83-05-16 83-09-15	17.12 16.92
290420081311701	AMOCO WATER WELL 1A N OF LAKE KATHRYN HEIGHTS FL	29 04 20	081 31 17	01	83-05-16 83-09-15	42.03 41.85
290445081344001	90413401 --S27E-- US FOREST SERV ALEX.SPGS FL	29 04 45	081 34 40	01	83-05-16 83-09-15	16.91 17.17
290633081375201	90613701 16S27E18 CAMP OCALA SE OF ASTOR FL	29 06 33	081 37 52	01	83-05-16 83-09-14	34.82 35.01
290650081314001	906131 15S28E-- JOHNSON WELL LEVY GRNT NR ASTOR FL	29 06 50	081 31 40	01	83-09-15	19.20
290820081305001	908130 16S28E-- ALCO FISH CAMP NR ASTOR FL	29 07 15	081 30 30	01	83-05-16 83-09-15	17.28 17.08
290900081342002	909134 15S27E-- CITY WELL AT ASTOR PARK FL	29 09 00	081 34 20	02	83-05-17 83-09-14	31.57 31.91
290910081360001	909136 15S27E33 4H CAMP MCQUARRIE W OF ASTOR PK FL	29 09 10	081 36 00	01	83-05-16 83-09-14	45.59 45.54
291107081340601	91113401 15S27E14 BROWN WELL NR ASTOR PARK FL	29 11 07	081 34 06	01	83-05-16 83-09-14	13.61 13.41
291449081381701	91413801 14S27E30 ENGLISH NR SILVER GLEN SPRINGS FL	29 14 49	081 38 17	01	83-05-17 83-09-15	4.68 4.78

WATER RESOURCES DATA FOR FLORIDA, 1983  
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KEY TO SITE LOCATIONS ON FIGURE 15  
MARION COUNTY

Index number	Site number	Page number
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2	285930081500501	91
3	290220081562001	92
4	290455081530401	92
5	291100082010003	93
6	291110082060001	93
7	291115081592501	94
8	291120082102501	94
9	291130082015001	95
10	291740081562001	95
11	291849081411401	96
12	292015082065001	96
13	292200081510001	97
14	292546081513301	97

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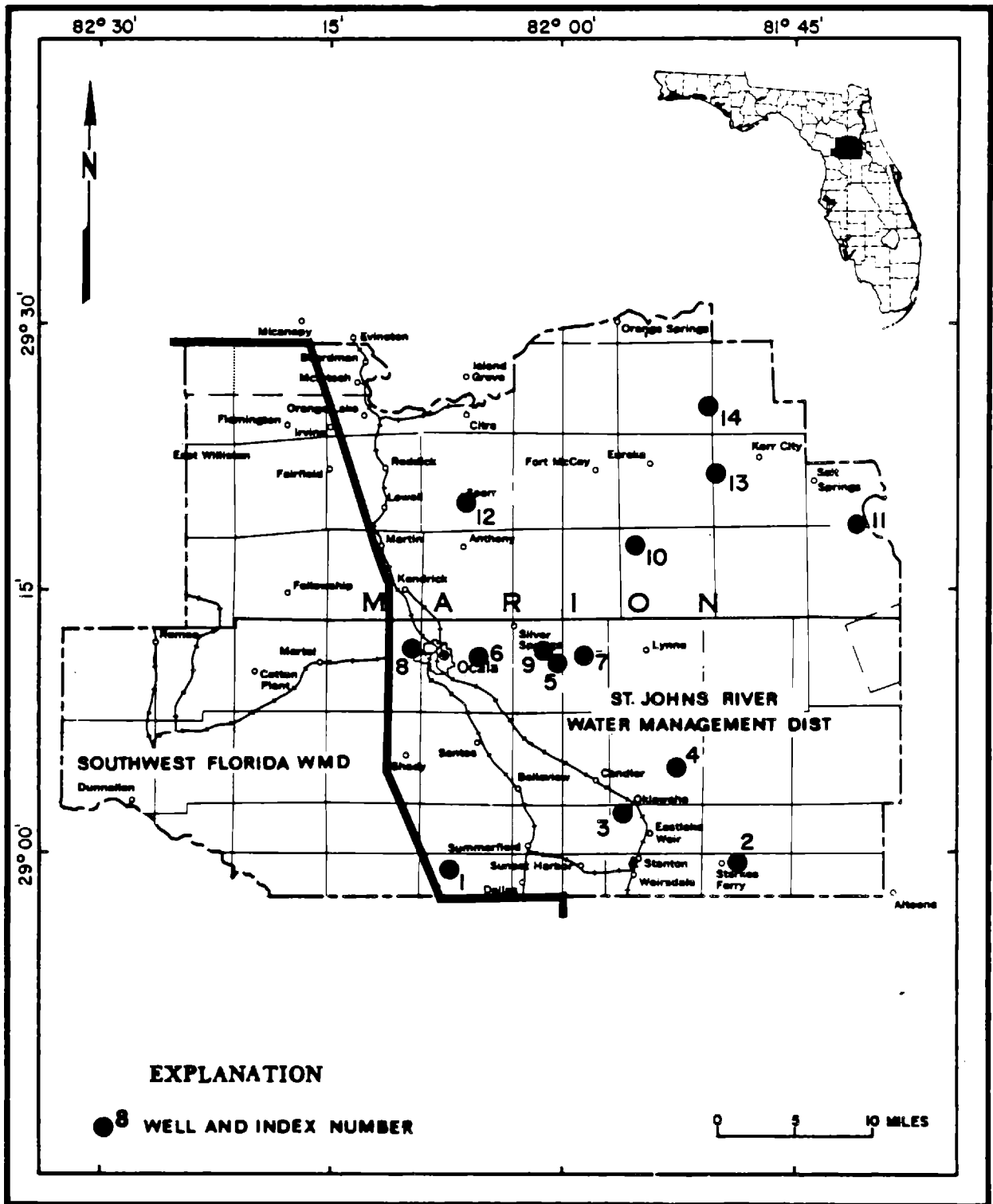


Figure 15. Location of wells in Marion County.



WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

MARION COUNTY

WELL NUMBER.--285900082072001. Local Number CE-36. USGS Observation Well CE 36 at Pedro, FL.

LOCATION.--Lat 28°59'00", long 82°07'20", in NE¼SE¼NE¼ sec.29, T.17 S., R.22 E., Hydrologic Unit 03100208, on west side of State Highway 475A, 12.8 mi south of Ocala, and 0.2 mi north of State Highway 42 at Pedro.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 66 ft, cased to 45 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 74.84 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1966 to September 1977; October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.38 ft NGVD, Sept. 13, 1982; lowest measured, 43.22 ft NGVD, Oct. 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV 03...	0955	52.86	JUN 06...	0900	49.37
JAN 04...	0930	49.86	JUL 13...	1410	50.32
FEB 28...	0930	49.00	AUG 17...	0900	52.46
APR 15...	1540	50.44	SEP 18...	1537	51.51
MAY 16...	1515	50.25			

WELL NUMBER.--285930081500501. Local Number Marion 859-150-01. USGS Observation Well Mar 48 Replacement near Oklawaha, FL.

LOCATION.--Lat 28°59'30", long 81°50'05", in NW¼SE¼SW¼ sec.20, T.17 S., R.25 E., Hydrologic Unit 03080102, at fish camp north of State Highway 42, on east side of Oklawaha River at Starkes Ferry, and 7 mi southeast of Oklawaha.

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

WELL CHARACTERISTICS.--Drilled, unused, domestic well, diameter 4 in, depth unknown.

INSTRUMENTATION.--Tape-measured. Measuring point: Hole in sanitary seal, 1.30 ft above land-surface datum.

DATUM.--Land-surface datum is 61.01 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Record is equivalent to that for Mar 48 (285920081490501), available March 1936 to September 1980.

PERIOD OF RECORD.--October 1980 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.27 ft NGVD, July 20, 1982; lowest measured, 48.09 ft NGVD, Jan. 29, 1982.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV 11...	1437	56.05	FEB 28...	1510	54.49
JAN 12...	1020	54.45	MAY 16...	1445	55.51

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## MARION COUNTY

WELL NUMBER.--290220081562001. Local Number Marion 902-156-01. USGS Observation Well CE 42 at Oklawaha, FL.

LOCATION.--Lat 29°02'20", long 81°56'20", in NW¼NE¼SE¼ sec.6, T.17 S., R.24 E., Hydrologic Unit 03080102, on south side of Alternate U.S. Highway 441, and 0.75 mi west of Moss Bluff Road at Oklawaha.

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

WELL CHARACTERISTICS.--Drilled, public-supply, artesian well, diameter 6 in, depth 179 ft, cased to 165 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.47 ft above land-surface datum.

DATUM.--Land-surface datum is 72.22 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1936 to May 1950 (monthly); October 1950 to current year (bimonthly, incomplete). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.83 ft NGVD, Oct. 31, 1960; lowest measured, 43.95 ft NGVD, Feb. 1, 1982.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
FEB 28...	1400	50.27	MAY 03...	1650	51.39

WELL NUMBER.--290455081530401. Local Number 904-153-01. USGS Observation Well at Moss Bluff Park, FL.

LOCATION.--Lat 29°04'55", long 81°53'04", in NE¼NW¼SW¼ sec.23, T.16 S., R.24 E., Hydrologic Unit 03080102, in park and picnic area on south side of State Highway 464 at Moss Bluff Lock and Dam, 4.2 mi northeast of Oklawaha.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 225 ft, cased to 80 ft.

INSTRUMENTATION.--Pressure gage measured. Measuring Point: Top of flange, 6.09 ft, revised, above land-surface datum. Prior to July 1982, top of recorder shelf 0.09 ft higher.

DATUM.--Land-surface datum is 50.12 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1975 to June 1982, July 1982 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.90 ft NGVD, Oct. 11, 1982; lowest, 48.96 ft NGVD, Dec. 20, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV 09...	1103	57.05	MAY 16...	1410	55.84
JAN 12...	1230	55.30	JUL 13...	1210	56.08
FEB 28...	1535	55.29	SEP 16...	1325	56.92
MAY 03...	1850	56.09			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## MARION COUNTY

WELL NUMBER.--291100082010003. Local Number CE-76. USGS Observation Well CE 76 near Ocala, FL.

LOCATION.--Lat 29°11'00", long 82°01'00", in NE¼NW¼SW¼ sec.16, T.15 S., R.23 E., Hydrologic Unit 03080102, on south side of Sharpes Ferry Road, 6.5 mi east of Ocala.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 153 ft, cased to 124 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top edge of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 64.51 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1968 to September 1977; October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 46.78 ft NGVD, Apr. 19, 1970; lowest measured, 40.65 ft NGVD, Jan. 28, 1982.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			MAY		
10...	1349	45.92	04...	0805	45.10
JAN			16...	1235	44.91
18...	1000	44.11	SEP		
FEB			17...	1415	45.37
28...	1650	44.23			

WELL NUMBER.--291110082060001. Local Number CE-44. USGS Observation Well CE 44 at Ocala, FL.

LOCATION.--Lat 29°11'10", long 82°06'00", in SW¼SW¼NW¼ sec.15, T.15 S., R.22 E., Hydrologic Unit 03080102, on south side of State Highway 40, 120 ft east of Florida Highway Patrol Station at Ocala, and 3.0 mi west of Silver Springs.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 91 ft, cased to 34.2 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 102.73 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1966 to September 1977; October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 46.50 ft NGVD, Sept. 13, 1982; lowest, 39.85 ft NGVD, July 12, 1975.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			MAY		
08...	1608	43.34	16...	1305	44.14
JAN			JUL		
19...	1015	43.75	13...	1535	44.97
MAR			SEP		
01...	1350	43.64	17...	1510	44.93
MAY					
04...	0730	42.31			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## MARION COUNTY

WELL NUMBER.--291115081592501. Local Number 911-159-433. Sharpes Ferry Well, Marion 5 near Ocala, FL.

LOCATION.--Lat 29°11'15", long 81°59'25", in NE¼SE¼ sec.15, T.15 S., R.23 E., Hydrologic Unit 03080102, on north side of Sharpes Ferry Road, 0.1 mi east of Oklawaha River, and 7.6 mi east of Ocala.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 135 ft, cased to 135 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of reducer, 2.55 ft above land-surface datum.

DATUM.--Land-surface datum is 39.83 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Well records used to determine flow of Silver Springs.

PERIOD OF RECORD.--January 1933 to July 1947 (weekly); August 1947 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 55.42 ft NGVD, Oct. 14, 1960; lowest, 43.18 ft NGVD, May 7, 1957.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	52.04	51.37	50.59	49.72	49.05	49.19	49.90	50.20	49.58	50.01	50.48	---
10	52.11	51.25	50.46	49.71	49.22	49.30	50.03	50.07	49.58	50.26	50.55	---
15	52.02	51.16	50.31	49.57	49.09	49.35	50.15	50.04	49.70	50.37	---	---
20	51.86	50.98	50.18	49.48	49.09	49.44	50.14	49.88	49.62	50.36	---	50.73
25	51.69	50.71	49.99	49.28	49.25	49.55	50.17	49.83	49.69	50.40	---	50.70
EOM	51.59	50.68	49.87	49.21	49.35	49.95	50.15	49.74	49.73	50.39	---	50.72
MAX	52.12	51.63	50.63	49.93	49.36	49.95	50.34	50.27	49.73	50.41	---	---
CAL YR 1982	MEAN	48.73	MAX	52.12	MIN	43.96						

WELL NUMBER.--291120082102501. Local Number Marion 911-210-01. USGS Observation Well CE 31 at Ocala, FL.

LOCATION.--Lat 29°11'20", long 82°10'25", in SW¼NE¼ sec.14, T.15 S., R.21 E., Hydrologic Unit 03080102, 900 ft west of Alternate U.S. Highway 27, and 0.2 mi north of State Highway 40, about 2 mi west of Ocala.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 106 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 0.05 ft above land-surface datum.

DATUM.--Land-surface datum is 74.61 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1935 to April 1950 (monthly); June 1950 to May 1983 (bimonthly, discontinued). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.98 ft NGVD, Sept. 17, 1964; lowest measured, 39.77 ft NGVD, Aug. 10, 1956.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			MAY		
05...	1528	48.34	04...	1510	46.48
JAN			16...	1000	46.42
19...	0950	45.86			
MAR					
02...	1655	45.41			



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## MARION COUNTY

WELL NUMBER.--291849081411401. Local Number 918-141-01. Lake George Well near Salt Springs, FL.

LOCATION.--Lat 29°18'49", long 81°41'14", in SE¼ sec.42, Joseph M. Hernandez Grant, T.13 S., R.26 E., Hydrologic Unit 03080101, on a sand trail, on the east side of State Highway 19, 3.8 mi southeast of Salt Springs.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, 4 in, depth 298 ft, cased to 267.50 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of coupling, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 18.92 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January to September 1983 (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.28 ft NGVD, Mar. 16, 1983; lowest measured, 17.01 ft NGVD, May 17, 1983.

## ELEVATION, IN FEET NGVD, FOR PERIOD JANUARY TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
JAN			JUL		
12...	1125	17.20	11...	1535	17.10
MAR			SEP		
16...	1615	17.28	15...	1828	17.22
MAY					
04...	1000	17.23			
17...	1030	17.01			

WELL NUMBER.--292015082065001. Local Number Marion 920-206-312. USGS Observation Well CE 66 at Sparr, FL.

LOCATION.--Lat 29°20'15", long 82°06'50", in SW¼SW¼SE¼ sec.21, T.13 S., R.22 E., Hydrologic Unit 03080102, in lumber yard at northeast corner of intersection of Alternate U.S. Highway 301 and Main Street at Sparr.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 3 in, depth 62 ft, cased to 50 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 93.64 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1961 (annually); July 1964 to May 1966 (bimonthly); July 1966 to September 1967 (monthly); November 1967 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.13 ft NGVD, Sept. 16, 1964; lowest measured, 43.47 ft NGVD, Nov. 17, 1977.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			MAY		
09...	1230	52.55	04...	1445	52.01
JAN			JUL		
18...	1340	50.03	25...	1540	48.74
MAR			SEP		
16...	1100	50.53	17...	1532	50.88

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## MARION COUNTY

WELL NUMBER.--292200081510001. Local Number CE-84. USGS Observation Well CE 84 near Salt Springs, FL.

LOCATION.--Lat 29°22'00", long 81°51'00", in NW¼NW¼NE¼ sec.13, T.13 S., R.24 E., Hydrologic Unit 03080101, on north side of State Highway 316, 2.0 mi east of Oklawaha River at Eureka, 7.5 mi west of Salt Springs, and 8.0 mi east of Fort McCoy.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 90 ft, cased to 53 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 91.72 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1970 to September 1977; October 1977 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.92 ft NGVD, Nov. 28, 1979; lowest measured, 22.50 ft NGVD, Aug. 11, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV 24...	1400	29.50	MAY 04...	1130	27.83
JAN 12...	1305	29.04	JUL 11...	1305	27.25
MAR 16...	1500	28.39	SEP 16...	1506	26.87

WELL NUMBER.--292546081513301. Local Number Marion 925-151-124. USGS Observation Well CE 67 near Salt Springs, FL.

LOCATION.--Lat 29°25'46", long 81°51'33", in NE¼SE¼SE¼ sec.23, T.12 S., R.24 E., Hydrologic Unit 03080102, on northwest corner of Forest Roads 75 and 97 in the Ocala National Forest, 7.8 mi northeast of Fort McCoy, and 9.2 mi northwest of Salt Springs.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 340 ft, cased to 307 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Hole in cap, 2.20 ft above land-surface datum.

DATUM.--Land-surface datum is 137.84 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1964 to November 1967 (monthly); January 1968 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.60 ft NGVD, Oct. 29, 1965; lowest measured, 17.34 ft NGVD, July 1, 1968.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV 24...	1345	23.52	MAY 17...	1300	22.18
JAN 12...	1325	23.15	JUL 13...	1630	21.86
MAR 16...	1430	22.81	SEP 16...	1529	21.82
MAY 04...	1145	22.19			

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

MARION COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
290130082082001	90120801 USGS OB WELL CE35 NR PEDRO FL	29 01 30	082 08 20	01	83-05-02 83-09-07	50.16 51.30
290400082091001	90420901 USGS OB WELL CE33 NR OCALA FL	29 04 00	082 09 10	01	83-05-02 83-05-16 83-09-07 83-09-18	48.51 48.37 49.54 49.58
290552082044701	90520401 USGS WELL CE81 WOLF SINK NR SANTOS FL	29 05 52	082 04 47	01	83-05-02 83-09-07	47.82 48.85
290820082032001	90820301 USGS OB WELL CE39 NR OCALA FL	29 08 20	082 03 20	01	83-05-02 83-09-08	46.28 47.06
290953082031301	90920301 USGS OB WELL CE79 NR SILVER SPRINGS FL	29 09 53	082 03 13	01	83-05-02 83-05-16 83-09-08 83-09-17	45.63 45.45 46.19 46.12
291015081385001	91013801 15S26E DOT 49 NR ASTOR FL	29 10 15	081 38 50	01	83-05-17 83-09-14	39.85 39.71
291140082052701	91120501 USGS OB WELL CE80 AT OCALA FL	29 11 40	082 05 27	01	83-05-02 83-09-08	43.66 44.03
291240082034001	91220301 15S22E01 SCE124 AT SILVER SPRINGS FL	29 12 40	082 03 40	01	83-05-16 83-09-17	42.80 43.27
291310082045001	91320401 USGS OB WELL CE45 AT SILVER SPRINGS FL	29 13 10	082 04 50	01	83-05-02 83-09-08	44.59 44.91
291600081550001	91615501 USGS OB WELL CE55 NR SALT SPRINGS FL	29 16 00	081 55 00	01	83-05-02 83-09-08	47.58 47.88
291728081390501	91713901 14S26E12 UNKNOWN NR LIST PNT NR SALT SPGS FL	29 17 28	081 39 05	01	83-05-17 83-09-15	14.08 13.98
291738082115301	91721102 14S21E10 CE30A H CARR WELL NR LOWELL FL	29 17 38	082 11 53	01	83-05-16 83-09-17	47.55 48.80
291750081494001	917149 14S25E06 CE56 SW OF SALT SPRINGS FL	29 17 50	081 49 40	01	83-05-17 83-09-16	34.61 33.98
292100081435001	921143 13S26E19 SCE 34 NR SALT SPRINGS FL	29 21 00	081 43 50	01	83-05-17	6.54
292205082022901	922202-- 13S23E18 FT MCCOY FIRE TOWER NR FT MCCOY FL	29 22 05	082 02 29	01	83-05-16 83-09-16	55.65 56.07



GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

MARION COUNTY

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (STAND- ARD UNITS) (00400)	TUR- BID- ITY (NTU) (00076)	TEMPER- ATURE (DEG C) (00010)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) (31501)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	NITRO- GEN, NITRATE TOTAL (MG/L) AS N) (00620)
290130082082001 - 90120801 - USGS OBSERV WELL CE35 NEAR PEDRO, FL (LAT 29 01 30 LONG 082 08 20)										
MAY , 1983										
	02...	1450	70	200	220	7.8	60	23.5	K10	4.0 1.2
SEP										
	07...	1445	70	225	215	7.5	28	23.5	<1	3.9 1.2
290400082091001 - 90420901 - USGS OBSERV WELL CE33 NEAR OCALA, FL (LAT 29 04 00 LONG 082 09 10)										
MAY , 1983										
	02...	1400	80	348	348	7.5	1.5	24.0	K50	6.3 --
SEP										
	07...	1520	80	340	350	7.5	1.3	23.0	190	7.0 --
290552082044701 - 90520401 - USGS WELL CE81 WOLF SINK NEAR SANTOS, FL (LAT 29 05 52 LONG 082 04 47)										
MAY , 1983										
	02...	1520	40	430	450	7.7	2.3	25.0	200	9.0 1.2
SEP										
	07...	1545	40	410	400	7.6	2.6	27.0	K180	8.0 .30
290820082032001 - 90820301 - USGS OBSERV WELL CE39 NEAR OCALA, FL (LAT 29 08 20 LONG 082 03 20)										
MAY , 1983										
	02...	1305	72	298	300	8.0	2.6	24.0	K10	5.6 --
SEP										
	08...	1030	72	290	282	7.5	2.5	24.0	<1	4.5 --
290953082031301 - 90920301 - USGS OBSERV WELL CE79 NEAR SILVER SPRINGS, FL (LAT 29 09 53 LONG 082 03 13)										
MAY , 1983										
	02...	1230	86	199	206	8.1	1.6	23.5	<1	4.5 --
SEP										
	08...	1000	86	210	220	7.9	3.2	24.0	K1300	4.7 --
291140082052701 - 91120501 - USGS OBSERV WELL CE80 AT OCALA, FL (LAT 29 11 40 LONG 082 05 27)										
MAY , 1983										
	02...	1030	90	320	327	7.2	270	25.0	K80	4.0 .23
SEP										
	08...	0800	90	340	330	7.3	55	24.0	K80	3.6 .25
291310082045001 - 91320401 - USGS OBSERV WELL CE45 AT SILVER SPRINGS, FL (LAT 29 13 10 LONG 082 04 50)										
MAY , 1983										
	02...	1100	40	280	--	7.2	140	23.0	<1	-- .66
SEP										
	08...	0840	40	340	335	7.0	45	23.5	<1	5.0 .78
291600081550001 - 91615501 - USGS OBSERV WELL CE55 NEAR SALT SPRINGS, FL (LAT 29 16 00 LONG 081 55 00)										
MAY , 1983										
	02...	1135	165	340	363	7.7	1.7	22.0	K10	15 --
SEP										
	08...	0920	165	355	348	7.7	1.9	22.0	<1	18 --

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

MARION COUNTY--Continued

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
290130082082001 - 90120801 - USGS OBSERV WELL CE35 NEAR PEDRO, FL (LAT 29 01 30 LONG 082 08 20)									
MAY , 1983									
02...	.010	1.2	.020	.05	.07	1.3	.460	.070	.0
SEP									
07...	.010	1.2	.010	.13	.14	1.3	.320	.060	1.9
290400082091001 - 90420901 - USGS OBSERV WELL CE33 NEAR OCALA, FL (LAT 29 04 00 LONG 082 09 10)									
MAY , 1983									
02...	>.010	1.0	.020	.05	.07	1.1	.060	.030	.0
SEP									
07...	<.010	.95	.020	.14	.16	1.1	.050	.030	1.1
290552082044701 - 90520401 - USGS WELL CE81 WOLF SINK NEAR SANTOS, FL (LAT 29 05 52 LONG 082 04 47)									
MAY , 1983									
02...	.010	1.2	.030	.22	.25	1.5	.170	.040	.9
SEP									
07...	.010	.31	.020	.40	.42	.73	.160	.080	4.5
290820082032001 - 90820301 - USGS OBSERV WELL CE39 NEAR OCALA, FL (LAT 29 08 20 LONG 082 03 20)									
MAY , 1983									
02...	>.010	1.2	.020	.05	.07	1.3	.070	.050	.5
SEP									
08...	<.010	1.3	.010	.17	.18	1.5	.070	.070	1.6
290953082031301 - 90920301 - USGS OBSERV WELL CE79 NEAR SILVER SPRINGS, FL (LAT 29 09 53 LONG 082 03 13)									
MAY , 1983									
02...	>.010	.51	.020	.05	.07	.58	.050	.040	6.6
SEP									
08...	<.010	.60	.010	.13	.14	.74	.030	.030	1.2
291140082052701 - 91120501 - USGS OBSERV WELL CE80 AT OCALA, FL (LAT 29 11 40 LONG 082 05 27)									
MAY , 1983									
02...	.020	.25	.030	.10	.13	.38	2.60	.390	2.0
SEP									
08...	.010	.26	.020	.13	.15	.41	1.50	.350	.9
291310082045001 - 91320401 - USGS OBSERV WELL CE45 AT SILVER SPRINGS, FL (LAT 29 13 10 LONG 082 04 50)									
MAY , 1983									
02...	.010	.67	.030	.10	.13	.80	4.40	1.50	.1
SEP									
08...	.010	.79	.020	.12	.14	.93	1.30	1.10	2.0
291600081550001 - 91615501 - USGS OBSERV WELL CE55 NEAR SALT SPRINGS, FL (LAT 29 16 00 LONG 081 55 00)									
MAY , 1983									
02...	<.010	.02	.090	.06	.15	.17	.050	.030	.9
SEP									
08...	<.010	<.01	.070	.07	.14	--	.010	.010	2.5

KEY TO SITE LOCATIONS ON FIGURE 16  
NASSAU COUNTY

Index number	Site number	Page number
1	303244081263701	103
2	303340081500001	103
3	303435081271401	104
4	303457081271501	104
5	303519081275301	105
6	303722081295401	105
7	303754081362701	106
8	303808081261401	106
9	304002081381201	107
10	304022081275001	107

WATER RESOURCES DATA FOR FLORIDA, 1983  
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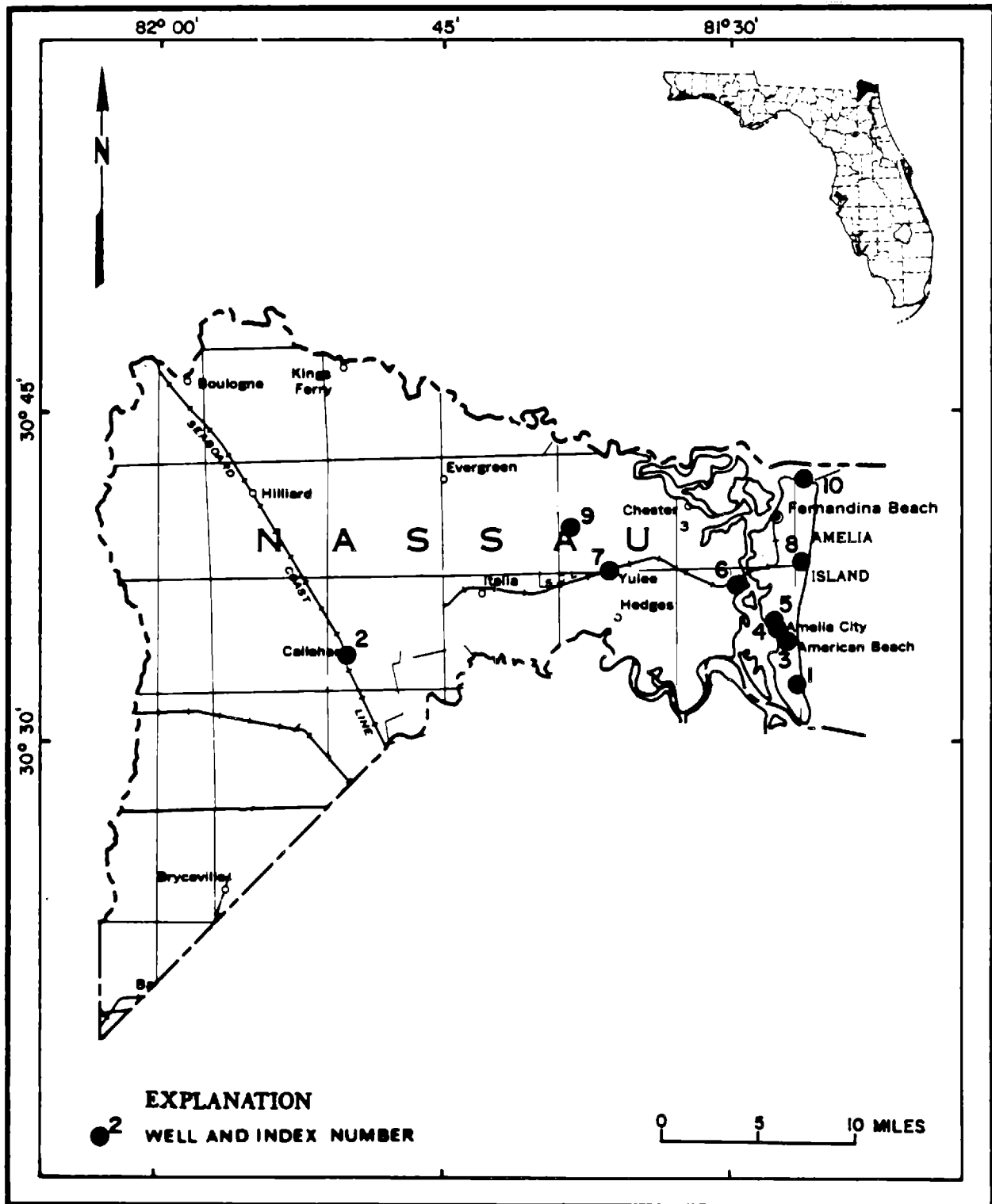


Figure 16. Location of wells in Nassau County.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

NASSAU COUNTY

WELL NUMBER.--303244081263701. Local Number N-8. Union Carbide Ore Co., Observation Well near Amelia City, FL.  
 LOCATION.--Lat 30°32'44", long 81°26'37", in NE¼NE¼NE¼, sec.1, T.1 N., R.28 E., Hydrologic Unit 03070205, on property of Amelia Island Plantation, 0.1 mi east of State Highway 1A, and 3.9 mi south of Amelia City.  
 AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 4 in, depth 680 ft.  
 INSTRUMENTATION.--Pressure gage. Measuring point: Top of 4 in casing cap, 2.00 ft above land-surface datum.  
 DATUM.--Land-surface datum is 13.70 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--March 1939 to November 1940, June 1944 to May 1978 (semiannually), February 1979 to current year (bimonthly). Records of water levels prior to 1974 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.80 ft NGVD, July 15, 1947; lowest measured, 21.30 ft NGVD, Dec. 10, 1979.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
20...	1115	28.20	22...	1525	28.50
26...	1115	28.20	MAY		
NOV			20...	1210	27.50
29...	1045	28.20	31...	1315	27.70
DEC			JUN		
27...	1145	29.80	28...	1325	27.10
JAN			JUL		
17...	1200	30.00	27...	1350	27.10
FEB			AUG		
25...	1040	29.30	29...	1106	28.20
MAR			SEP		
22...	1310	29.60	28...	1330	29.90

WELL NUMBER.--303340081500001. Local Number N-51. Ellis Howard Well at Callahan, FL.  
 LOCATION.--Lat 30°33'40", long 81°50'00", in SW¼NW¼, sec.29, T.2 N., R.25 E., Hydrologic Unit 03070205, 200 ft from northeast corner of intersection of Green Avenue and Mickler Street in Callahan.  
 AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 2 in, depth 580 ft.  
 INSTRUMENTATION.--Pressure gage. Measuring point: Top of 2 in cross, 1.00 ft above land-surface datum.  
 DATUM.--Land-surface datum is 18.78 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--January 1940 to April 1942, January 1944 to September 1978 (semiannually), February 1979 to current year (bimonthly). Records of water levels prior to 1974 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.28 ft NGVD, July 15, 1947; lowest measured, 35.28 ft NGVD, Oct. 8, 1980.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
26...	1445	40.88	28...	1100	43.58
DEC			MAY		
07...	1245	40.68	18...	1315	43.48
JAN			AUG		
17...	1530	40.83	07...	1115	41.48
MAR			SEP		
18...	1600	42.68	14...	1240	41.08

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## NASSAU COUNTY

WELL NUMBER.--303435081271401. Local Number N-46. Amelia Island Corp. Well at Amelia City, FL.

LOCATION.--Lat 30°34'35", long 81°27'14", in land grant 14, T.2 N., R.28 E., Hydrologic Unit 03070205 at Amelia Island waterworks, 1.1 mi south of intersection of State Highways A1A and 105A, 200 ft east of water storage tanks at Amelia City.

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

WELL CHARACTERISTICS.--Drilled, commercial, artesian well, diameter 12 in, depth 1,016 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of lowest 14 in flange, 1.10 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 15 ft, from topographic map.

PERIOD OF RECORD.--April to December 1975, May 1977, May 1978, April 1979 to current year (bimonthly). Records of water levels prior to 1979 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft above land-surface datum, Jan. 17, 1983; lowest measured, 9.10 ft above land-surface datum, July 30, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT 26...	1120	-15.80	MAY 19...	1415	-15.30
DEC 07...	1100	-19.10	JUL 07...	1403	-18.10
JAN 17...	1215	-19.20	SEP 16...	1435	-17.30
APR 27...	1515	-15.10			

NOTE.--Negative figures indicate water level above land surface.

WELL NUMBER.--303457081271501. Local Number N-9. George Morse Well at Amelia City, FL.

LOCATION.--Lat 30°34'57", long 81°27'1" , in land grant 15, T.2 N., R.28 E., Hydrologic Unit 03070205, 100 ft east of State Highway A1A, and 0.8 mi south of Amelia City.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter, 3 in, depth 586 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 3 in tee, 1.50 ft above land-surface datum.

DATUM.--Land-surface datum is 18.37 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1939, September 1955, May 1977, April 1979 to current year (bimonthly). Records of water levels prior to 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.57 ft NGVD, Mar. 24, 1939; lowest measured, 21.77 ft NGVD, June 29, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 26...	1130	27.77	MAY 19...	1410	28.07
NOV 29...	1110	29.87	31...	1325	28.97
DEC 27...	1120	35.37	JUN 28...	1300	31.27
JAN 17...	1225	31.87	JUL 27...	1340	31.37
FEB 25...	1025	32.47	AUG 29...	1120	32.57
MAR 22...	1250	31.07	SEP 28...	1310	32.72
APR 27...	1510	29.17			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## NASSAU COUNTY

WELL NUMBER.--303519081275301. Local Number N-2. G. G. Gerbing Observation Well at Amelia City, FL.

LOCATION.--Lat 30°35'19", long 81°27'53", in land grant 12, T.2 N., R.28 E., Hydrologic Unit 03070205, at residence, 0.45 mi west of intersection of State Highways 1A and 105A in Amelia City.

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

WELL CHARACTERISTICS.--Drilled, domestic and irrigation, artesian well, diameter 2 in, depth 580 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of faucet, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 9.98 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1939 to November 1940, January 1969, May 1972 to May 1978, April 1979 to current year (bimonthly). Records of water levels prior to 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.08 ft NGVD, July 15, 1947; lowest measured, 9.86 ft NGVD, June 29, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
26...	1140	12.88	20...	1155	11.98
NOV			31...	1330	12.38
29...	1120	12.78	JUN		
DEC			28...	1310	13.38
27...	1115	14.66	JUL		
JAN			27...	1330	14.08
17...	1235	13.68	AUG		
FEB			29...	1130	14.88
24...	1015	14.38	SEP		
MAR			28...	1300	15.81
22...	1240	13.48			
APR					
27...	1455	12.98			

WELL NUMBER.--303722081295401. Local Number N-54. Domestic Observation Well near O'Neil, FL.

LOCATION.--Lat 30°37'22", long 81°29'54", in land grant 37, T.2 N., R.28 E., Hydrologic Unit 03070205, at entrance to Piney Island, 300 ft north of Seaboard Coastline Railroad tracks, 600 ft north of State Highway 1A, and 1.1 mi northeast of O'Neil.

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

WELL CHARACTERISTICS.--Drilled, artesian well, diameter unknown, depth 482 ft.

INSTRUMENTATION.--Tape measured or pressure gage. Measuring point: Top of concrete base, 2.00 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 5.0 ft, from topographic map.

PERIOD OF RECORD.--April to December 1975, May 1977, May 1978, April 1979 to current year (bimonthly). Records of water levels prior to 1977 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.10 ft above land-surface datum, Sept. 15, 1983; lowest measured, 1.23 ft below land-surface datum, June 20, 1979 (corrected).

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			MAY		
26...	1320	-2.26	19...	1200	-0.54
DEC			JUL		
07...	0955	-10.90	07...	1220	-11.50
JAN			SEP		
17...	1440	-5.20	15...	1518	-16.10

NOTE.--Negative figures indicate water level above land surface.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

NASSAU COUNTY

WELL NUMBER.--303754081362701. Local Number N-44. Seaboard Airline Railroad Well at Yulee, FL.  
 LOCATION.--Lat 30°37'54", long 81°36'27", in land grant 50, T.3 N., R.27 E., Hydrologic Unit 03070205, 75 ft west of Seaboard Airline Railroad tracks, and 450 ft north of State Highway 200 in Yulee.  
 AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 4 in, depth 1,000 ft.  
 INSTRUMENTATION.--Tape measured. Measuring point: Top of 5 in casing, 2.22 ft above land-surface datum.  
 DATUM.--Land surface datum is 34.81 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--March to December 1934, June to August 1938, January to March 1940, June 1944 to March 1964, May 1966 to September 1978 (semiannually), February 1979 to current year (bimonthly). Records of water levels prior to 1974 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.31 ft NGVD, Aug. 25, 1938; lowest measured, 25.55 ft NGVD, July 30, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
26...	1130	31.33	27...	1215	32.33
26...	1430	31.33	MAY		
DEC			19...	0900	31.84
07...	0930	32.83	JUL		
JAN			07...	1205	32.97
17...	1500	33.73	SEP		
MAR			14...	1506	33.63
22...	1050	33.78			

WELL NUMBER.--303808081261401. Local Number N-112. Domestic Well at Fernandina Beach, FL.  
 LOCATION.--Lat 30°38'08", long 81°26'14", in land grant 12, T.3 N., R.29 E., Hydrologic Unit 03070205, at Hammond Apartments, 0.2 mi south of intersection of Atlantic Boulevard and State Highway ALA in Fernandina Beach.  
 AQUIFER.--Floridan aquifer system of Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, artesian, observation well, diameter 3 in, depth unknown.  
 INSTRUMENTATION.--Tape measured. Measuring point: Top casing, 1.00 ft above land-surface datum.  
 DATUM.--Altitude of land-surface datum is 15 ft, from topographic map.  
 PERIOD OF RECORD.--May 1969, December 1974 to December 1975 (monthly), May 1976 to September 1978 (annually), April 1979 to current year (bimonthly). Records of water levels prior to 1979 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.16 ft below land-surface datum, Dec. 28, 1975; lowest measured, 33.79 ft below land-surface datum, Dec. 23, 1974.

WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			APR		
26...	1200	24.12	27...	1435	24.90
NOV			MAY		
13...	1140	24.60	19...	1355	26.21
DEC			JUL		
07...	1115	9.54	07...	1350	11.43
MAR					
22...	1330	20.92			



## NASSAU COUNTY

WELL NUMBER.--304002081381201. Local Number N-53. Rayonier, Inc. Observation Well near Yulee, FL.

LOCATION.--Lat 30°40'18", long 81°38'28", in land grant 50, T.3 N., R.27 E., Hydrologic Unit 03070205, 50 ft north of intersection of U.S. Highway 17 and Crandall Road, and 0.3 mi northwest of Yulee Fire Tower, and 3.0 mi northwest of Yulee.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter unknown, depth 500 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 2 in valve, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 20.22 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February to November 1940, April to July 1944, September 1955, January 1960, May 1962, May 1964 to September 1978 (annually), April 1979 to current year (bimonthly). Records of water levels prior to 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.72 ft NGVD, May 30, 1940; lowest measured, 25.52 ft NGVD, July 30, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
26...	1415	29.92	31...	1240	31.92
NOV			JUN		
29...	1335	29.82	28...	1115	30.92
DEC			JUL		
27...	1030	31.62	27...	1210	30.12
FEB			AUG		
24...	0950	30.92	29...	1035	32.52
MAR			SEP		
22...	1100	31.62	14...	1500	30.82
APR					
27...	1240	31.12			

WELL NUMBER.--304022081275001. Local Number N-33. Chawick Observation Well at Fernandina Beach, FL.

LOCATION.--Lat 30°40'22", long 81°27'50", in land grant 21, T.3 N., R.28 E., Hydrologic Unit 03070204, at Church Seafood, 0.2 mi north of Atlanta Boulevard, and 0.2 mi west of First Street in Fernandina Beach.

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

WELL CHARACTERISTICS.--Drilled, private, unused, artesian well, diameter 3 in, depth unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 3 in tee, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 5.87 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1939, September 1955, November 1959, January 1960 to May 1962, May 1964 to May 1978 (annually), April 1979 to current year (bimonthly). Records of water levels prior to 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 48.87 ft NGVD, June 19, 1939; lowest measured, 48.95 ft below NGVD, Oct. 22, 1975.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
26...	1245	-28.39	27...	1400	-28.63
DEC			MAY		
07...	1035	-14.65	19...	1200	-29.75
JAN			JUL		
17...	1355	-26.98	07...	1250	-16.71
MAR			SEP		
22...	1345	-25.92	16...	1245	-4.90

NOTE.--Negative figures indicate water level above land surface.

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
302952081531701	N-114 CRAWFORD PLANT WELL NR CRAWFORD FL	30 29 52	081 53 17	01	83-05-18 83-09-15	48.32 47.45
303403081311301	N-100 WILDER WELL AT NASSAUVILLE FL	30 34 03	081 31 13	01	83-09-15	33.40
303417081342201	N-118 COX WELL HART'S RD NR HEDGES	30 34 17	081 34 22	01	83-05-19 83-09-16	32.20 34.20
303658081422601	N-50 FINGAR WELL NR ITALIA FL	30 36 58	081 42 26	01	83-05-18 83-09-15	39.89 36.69
303805081273901	N-106 RAYONIER NO 10 OLD JACKSONVILLE RD	30 38 05	08 27 39	01	83-05-19 83-09-20	34.08 2.83
303819081455701	N-98 REINHART WELL NR CALLAHAN FL	30 38 19	081 45 57	01	83-05-18 83-09-15	41.50 39.10
303820081261501	N-16 AMELIA MOTEL WELL SADLER RD AT ALA	30 38 20	081 26 15	01	83-05-19	1.58
303836081274201	N-32 RAYONIER 9 FERNANDINA BEACH FL	30 38 36	081 27 42	01	83-05-19 83-09-15	-37.61 9.46
303939081312601	N-20 WHITFIELD WELL AT GLENWOOD FL	30 39 39	081 31 26	01	83-05-19 83-09-15	1.29 12.70
304001081280301	N-117 RAYONIER TEST WELL AT FERNANDINA FL	30 40 01	081 28 03	01	83-05-19	24.45
304010081264501	N-27 FISHLER WELL ATL. AVE AT 18 FERNANDINA BCH FL	30 40 10	081 26 45	01	83-05-19	-6.37
304028081272101	N-56 CCA 11 FERNANDINA BEACH FL	30 40 28	081 27 21	01	83-05-01	49.70
304055081272002	N-90 CCA 1 FERNANDINA BEACH FL	30 40 55	081 27 20	02	83-05-01 83-09-16	-87.80 -45.90
304109081265501	N-82 CCA 5 FERNANDINA BEACH FL	30 41 09	081 26 55	01	83-05-01	-75.10
304150081470301	N-99 PHILLIPS WELL NR EVERGREEN FL	30 41 50	081 47 03	01	83-05-18 83-09-15	44.30 44.20
304205081542501	N-91 AUCHTER COMPANY WELL FAA NR HILLARD FL	30 42 05	081 54 25	01	83-05-18 83-09-14	43.00 45.95
304213081270801	N-19 FORT CLINCH PARK AT FERNANDINA BEACH FL	30 42 13	081 27 08	01	83-05-19 83-09-19	-15.25 4.06
304317081372301	N-67 RAYONIER-CAMP PRESTON W WELL CRANDALL RD	30 43 17	081 37 23	01	83-05-19 83-09-15	28.90 29.80

WATER RESOURCES DATA FOR FLORIDA, 1983  
Volume 1B: Northeast Florida

KEY TO SITE LOCATIONS ON FIGURE 17  
OKEECHOBEE COUNTY

Index number	Site number	Page number
1	272932080482201	111

WATER RESOURCES DATA FOR FLORIDA, 1983  
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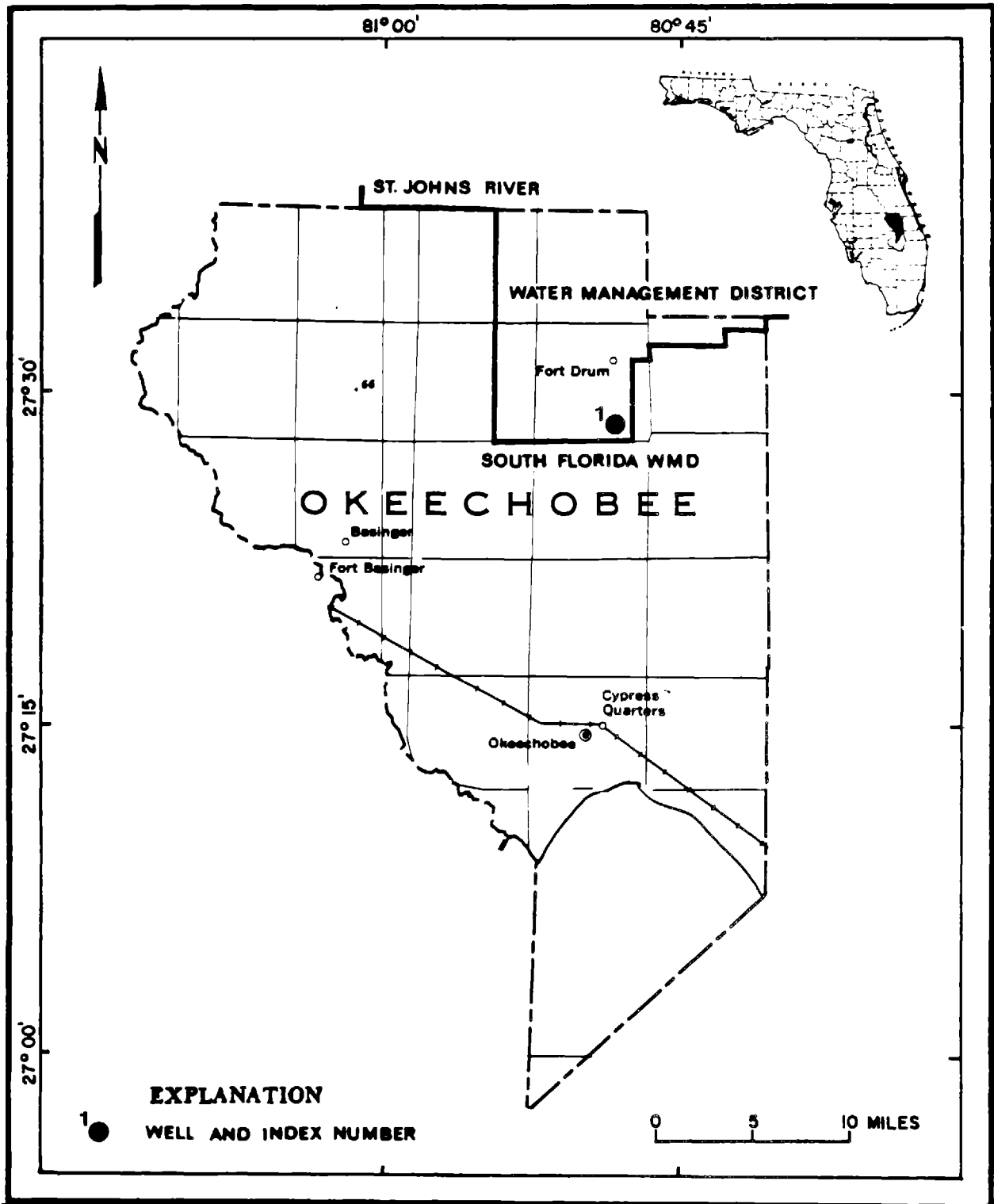


Figure 17. Location of wells in Okeechobee County.



MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

OKEECHOBEE COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
273114080533601	73105301 34S34E14 TIGER CATTLE CO W OF FORT DRUM FL	27 31 14	080 53 36	01	83-09-22	49.59
273127080481401	73104801 34S35E11 MR NINE FORT DRUM FL	27 31 27	080 48 14	01	83-05-26 83-09-22	41.32 45.39
273502080535501	735053-- 33S34E23 FITE WELL NW OF FORT DRUM FL	27 35 02	080 53 55	01	83-05-26 83-05-26	36.48 36.48
273509080504201	73505001 33S35E20 COOK WELL N OF FORT DRUM FL	27 35 09	080 50 42	01	83-05-26 83-09-22	39.13 43.59
273726080471701	73704701 LATT MAXCY J-1 NE OF FORT DRUM FL	27 37 26	080 47 17	01	83-09-22	38.10

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

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OKEECHOBEE COUNTY

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
273616080470501 - 73604701 - LATT MAXCY R-2 NE OF FORT DRUM, FL (LAT 27 36 16 LONG 080 47 05)									
JUL , 1983									
19...	1105	2600	2550	640					
273726080471701 - 73704701 - LATT MAXCY J-1 NE OF FORT DRUM, FL (LAT 27 37 26 LONG 080 47 17)									
JUL , 1983									
19...	1025	--	810	100					

WATER RESOURCES DATA FOR FLORIDA, 1983  
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KEY TO SITE LOCATIONS ON FIGURE 18  
ORANGE COUNTY

Index number	Site number	Page number
1	282341081040101	116
2	282510081054501	116
2	282510081054502	117
2	282510081054503	117
3	282531081054301	118
4	282532081075601	118
4	282533081082202	119
4	282533081082204	119
4	282533081082205	120
4	282533081082206	120
5	282739081054501	121
6	282847081013701	121
6	282847081013702	122
7	283249081053201	122
7	283249081053202	123
7	283249081053203	124
8	283253081283401	124
8	283253081283404	125
9	283333081233501	125
9	283333081233502	126



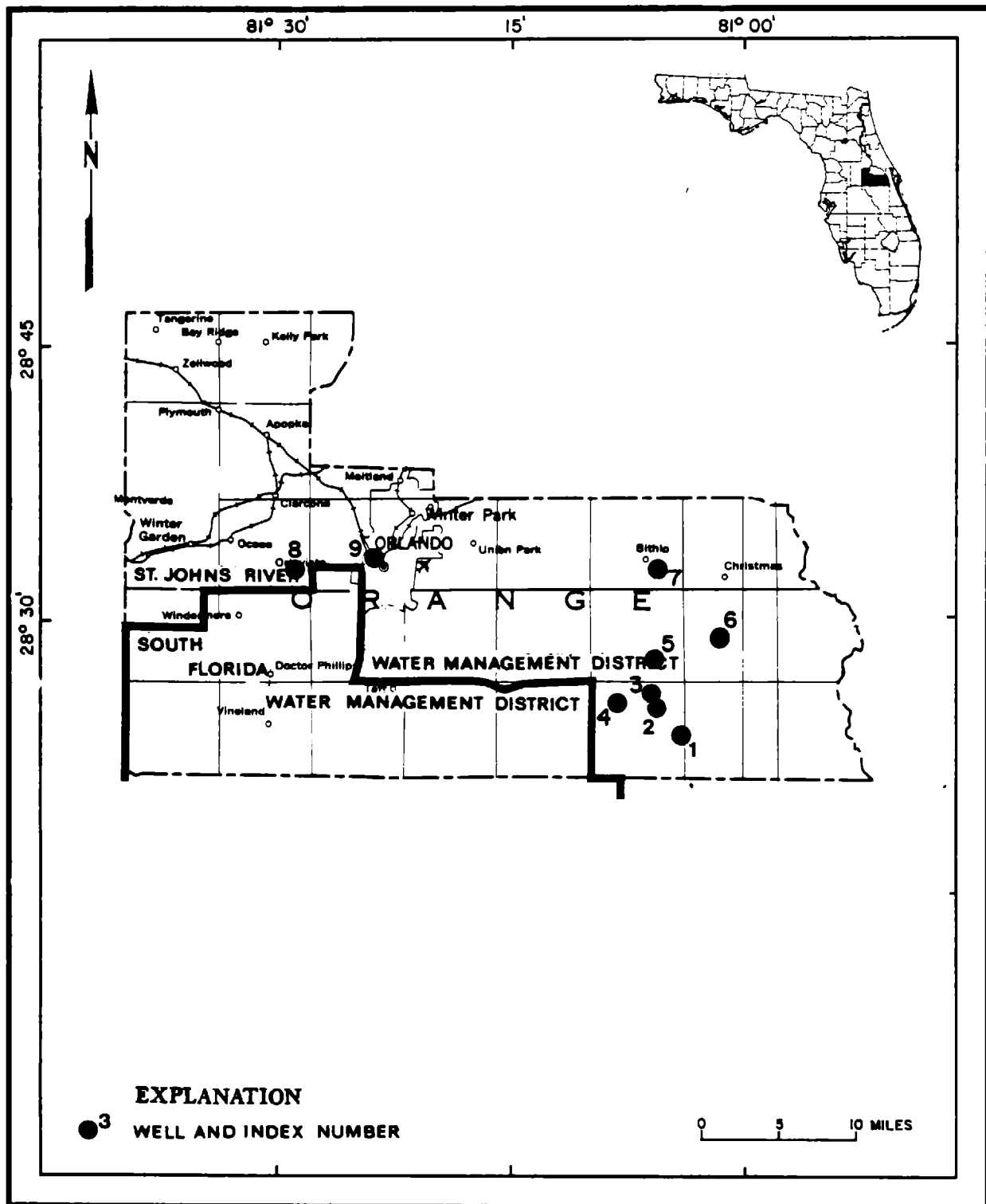


Figure 18. Location of wells in Orange County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ORANGE COUNTY

WELL NUMBER.--282341081040101. Local Number 823-104-01. USGS Observation Well Cocoa A near Bithlo, FL.

LOCATION.--Lat 28°23'41", long 81°04'01", in SE½SW¼SE¼ sec.13, T.24 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 100 ft west of Cocoa Water Plant Road, 7 mi west of State Highway 520, and 11.3 mi south of Bithlo.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 10 in, depth 516 ft, cased to 301 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 2.71 ft above land-surface datum.

DATUM.--Land-surface datum is 75.06 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1960 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 43.59 ft NGVD, Sept. 30, Oct. 17, 1960; lowest, 30.55 ft NGVD, May 19,24, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.70	37.38	37.40	37.26	37.40	38.35	38.56	37.51	34.35	36.01	35.48	---
10	37.84	37.49	37.34	37.41	37.81	38.56	38.32	37.02	35.28	36.18	35.91	---
15	37.81	37.57	37.45	37.24	37.98	38.68	38.65	36.25	35.86	35.89	36.22	---
20	37.54	37.66	37.52	36.91	38.10	38.70	38.61	35.26	35.83	35.39	36.57	36.63
25	37.44	37.44	37.39	37.02	38.38	38.56	38.45	34.58	36.04	35.02	36.41	36.78
EOM	37.30	37.41	37.34	37.20	38.59	38.77	37.81	34.34	35.98	34.84	36.43	37.13
MAX	37.84	37.73	37.66	37.45	38.59	38.97	38.79	37.81	36.11	36.46	36.57	---
CAL YR 1982	MAX	37.84										

WELL NUMBER.--282510081054501. Local Number 825-105-02. USGS Observation Well Cocoa 1 near Bithlo, FL.

LOCATION.--Lat 28°25'10", long 81°05'45", in SE½SE¼NE¼ sec.10, T.24 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 300 ft southwest of intersection of private road (abandoned FEC Railroad grade owned by Magnolia Ranch) and Wewahootee Road, and 9.1 mi south of Bithlo.

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

WELL CHARACTERISTICS.--Drilled, abandoned public supply, artesian well, diameter 20 in, depth 710 ft, cased to 316 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.00 ft above land-surface datum.

DATUM.--Land-surface datum is 70.33 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1966, 1967, 1969 (annually); January 1971 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.87 ft NGVD, Oct. 26, 1966; lowest measured, 30.36 ft NGVD, May 27, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
01...	1330	37.17	03...	1315	38.46
NOV			JUN		
01...	0855	37.34	03...	1140	37.84
DEC			JUL		
01...	1048	37.13	05...	1340	35.71
JAN			AUG		
03...	1422	37.35	02...	1115	34.65
FEB			31...	1115	36.20
02...	0830	37.00	SEP		
MAR			14...	1100	33.71
01...	1430	38.34			
APR					
01...	1340	38.48			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ORANGE COUNTY

WELL NUMBER.--282510081054502. Local Number 825-105-06. USGS Observation Well Cocoa M near Bithlo, FL.

LOCATION.--Lat 28°25'10", long 81°05'45", in SE¼NE¼NE¼ sec.10, T.24 S., R. 32 E., Hydrologic Unit 03080101, in Cocoa well field, 300 ft southwest of intersection of private road (abandoned FEC Railroad grade owned by Magnolia Ranch) and Wewahootee Road, and 9.1 mi south of Bithlo.

AQUIFER.--Nonartesian sand of the surficial aquifer system, Geologic Unit 112 NRSB.

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

INSTRUMENTATION.--Tape measured. Measuring point: Bolt hole in cap, 3.15 ft above land-surface datum.

DATUM.--Land-surface datum is 70.81 ft, National Geodetic Vertical Datum of 1929.

REMARKS.--The figures of water levels as elevation NGVD for the 1978 water year are in error. Revised records are available in files of the Geological Survey.

PERIOD OF RECORD.--February 1969 to January 1977; February 1977 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 69.94 ft NGVD, Nov. 4, 1969; well observed dry August 1981 and July 1982.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
01...	1330	68.37	01...	1328	68.37
NOV			MAY		
01...	0858	67.33	03...	1300	67.81
DEC			JUN		
01...	1059	66.88	03...	1130	66.23
JAN			JUL		
03...	1415	65.95	05...	1330	67.19
FEB			AUG		
02...	0826	66.40	01...	1515	67.42
MAR			31...	1105	67.14
01...	1420	68.49			

WELL NUMBER.--282510081054503. Local Number 825-105-07. USGS Observation well Cocoa I-T near Bithlo, FL.

LOCATION.--Lat 28°25'10", long 81°05'45", in SE¼NE¼NE¼ sec.10, T.24 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 300 ft southwest of intersection of private road (abandoned FEC Railroad grade owned by Magnolia Ranch) and Wewahootee Road, and 9.1 mi south of Bithlo.

AQUIFER.--Hawthorn sand and gravel of the intermediate aquifer system, Geologic Unit 122 HTRNS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 12 in, depth 200 ft, cased to 85 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 71.19 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1969 to March 1970; January 1971 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.54 ft NGVD, Oct. 1, 1982; lowest measured, 44.55 ft NGVD, June 7, 1971.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
01...	1325	65.54	01...	1330	56.54
NOV			MAY		
01...	0853	63.72	03...	1310	48.21
DEC			JUN		
01...	1050	63.46	03...	1135	47.15
JAN			JUL		
03...	1420	63.59	05...	1335	48.28
FEB			AUG		
02...	0824	63.74	02...	1125	47.86
MAR			31...	1120	48.60
01...	1425	64.69			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ORANGE COUNTY

WELL NUMBER.--282531081054301. Local Number 825-105-09. USGS Observation Well Cocoa O near Bithlo, FL.

LOCATION.--Lat 28°25'31", long 81°05'43", in NW¼SW¼SW¼ sec.2, T.24 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 225 ft east of private road (abandoned FEC Railroad grade owned by Magnolia Ranch), 0.3 mi north of Wewahootee Road, 1.6 mi south of Beeline Expressway (State Highway 528), and 8.6 mi south of Bithlo.

AQUIFER.--Hawthorn sand and gravel of the intermediate aquifer system, Geologic Unit 122 HTRNS.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 90 ft, cased to 70 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 4 in casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 68.60 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water level affected by pumping of nearby well, Cocoa 1-T.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.77 ft NGVD, Oct. 1, 1982; lowest measured, 17.70 ft NGVD, June 3, 1971.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
01...	1030	67.77	01...	1355	20.02
NOV			MAY		
01...	0815	65.79	03...	1330	19.14
DEC			JUN		
01...	1002	63.61	03...	--	16.92
JAN			JUL		
03...	1008	63.74	05...	1400	19.92
FEB			AUG		
02...	1145	20.94	02...	1055	19.57
MAR			31...	1135	18.56
01...	0859	59.81			

WELL NUMBER.--282532081075601. Local Number 825-107-04. USGS Observation Well Cocoa B near Bithlo, FL.

LOCATION.--Lat 28°25'32", long 81°07'56", in SW¼NE¼SE¼sec.5, T.24 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 6 ft south of Wewahootee Road, 7.1 mi east of State Highway 15, and 10.1 mi south of Bithlo.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 515 ft, cased to 235 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.70 ft above land-surface datum.

DATUM.--Land-surface datum is 62.15 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1965 (annually); October 1965 to July 1968; August 1968 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 42.37 ft NGVD, June 23, 1966; lowest measured, 21.42 ft NGVD, Aug. 5, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
01...	1320	35.19	01...	0735	29.45
NOV			MAY		
01...	0905	35.75	03...	1420	28.86
DEC			JUN		
01...	1110	27.50	03...	1420	25.36
JAN			JUL		
03...	1400	27.40	05...	1320	26.76
FEB			AUG		
02...	0850	27.97	02...	1240	25.32
MAR			31...	1145	27.42
01...	1135	29.20			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ORANGE COUNTY

WELL NUMBER.--282533081082202. Local Number 825-108-04. USGS Observation Well Cocoa C Zone 1 near Bithlo, FL.

LOCATION.--Lat 28°25'33", long 81°08'22", in SW¼NE¼SW¼ sec.5, T.24 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 10 ft north of Wewahootee Road, 6.6 mi east of State Highway 15, and 10 mi south of Bithlo.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 1.25 in, depth 1,357 ft, cased to 1,351 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 1.25 in coupling, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 63.71 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1965 (annually); February 1966 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.81 ft NGVD, Dec. 6, 1965; lowest measured, 28.73 ft NGVD, May 27, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
01...	0730	35.32	01...	0630	36.09
NOV			MAY		
01...	0630	34.91	03...	0700	35.71
DEC			JUN		
01...	0745	35.02	03...	0905	31.54
JAN			JUL		
03...	0755	34.73	05...	0630	33.88
FEB			AUG		
02...	0725	35.13	02...	0950	32.81
MAR			31...	0940	34.14
01...	0715	35.82			

WELL NUMBER.--282533081082204. Local Number 825-108-06. USGS Observation Well Cocoa C Zone 3 near Bithlo, FL.

LOCATION.--Lat 28°25'33", long 81°08'22", in SW¼NE¼SW¼ sec.5, T.24 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 10 ft north of Wewahootee Road, 6.6 mi east of State Highway 15, and 10.0 mi south of Bithlo.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 1.25 in, depth 1,224 ft, cased to 1,218 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 1.25 in coupling 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 63.77 ft National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.27 ft NGVD, Feb. 2, 1970; lowest measured, 33.47 ft NGVD, Apr. 30, Oct. 1, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
01...	0733	39.77	01...	0635	40.78
NOV			MAY		
01...	0635	39.32	03...	0705	39.72
DEC			JUN		
01...	0750	39.51	03...	0900	36.50
JAN			JUL		
03...	0800	39.33	05...	0635	38.35
FEB			AUG		
02...	0728	39.79	02...	1000	37.41
MAR			31...	0950	38.75
01...	0720	40.47			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ORANGE COUNTY

WELL NUMBER.--282533081082205. Local Number 825-108-07. USGS Observation Well Cocoa C Zone 4 near Bithlo, FL.

LOCATION.--Lat 28°25'33", long 81°08'22", in SW¼NE¼SW¼ sec.5, T.24 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 10 ft north of Wewahootee Road, 6.6 mi east of State Highway 15, and 10.0 mi south of Bithlo.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 1.25 in, depth 1,050 ft, cased to 1,044 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 1.25 in coupling, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 63.74 ft National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.27 ft NGVD, Oct. 31, 1969; lowest measured, 33.09 ft NGVD, May 27, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
01...	0728	39.68	01...	0638	40.67
NOV			MAY		
01...	0638	39.20	03...	0708	39.57
DEC			JUN		
01...	0754	39.54	03...	0858	36.39
JAN			JUL		
03...	0805	39.54	05...	0645	38.39
FEB			AUG		
02...	0730	39.92	02...	1005	37.31
MAR			31...	0955	38.65
01...	0723	40.52			

WELL NUMBER.--282533081082206. Local Number 825-108-08. USGS Observation Well Cocoa C Zone 5 near Bithlo, FL.

LOCATION.--Lat 28°25'33", long 81°08'22", in SW¼NE¼SW¼ sec.5, T.24 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 10 ft north of Wewahootee Road, 6.6 mi east of State Highway 15, and 10.0 mi south of Bithlo.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 8 in, depth 1,004 ft, cased to 248 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 1.25 in sampling tube, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 63.72 ft National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.18 ft NGVD, Dec. 4, 1969; lowest measured, 26.83 ft NGVD, May 27, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
01...	0735	34.91	01...	0700	35.34
NOV			MAY		
01...	0641	35.62	03...	0710	34.55
DEC			JUN		
01...	0800	34.73	03...	0855	33.26
JAN			JUL		
03...	0755	34.07	05...	0650	33.67
FEB			AUG		
02...	0735	34.41	02...	1012	32.43
MAR			31...	1000	33.85
01...	0730	34.71			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

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## ORANGE COUNTY

WELL NUMBER.--282739081054501. Local Number 827-105-02. USGS Observation Well Cocoa F near Bithlo, FL.

LOCATION.--Lat 28°27'39", long 81°05'45", in SE4SE4SE4 sec.27, T.23 S., R.32 E., Hydrologic Unit 03080101, in Cocoa well field, 150 ft west of Dallas Boulevard, 0.7 mi north of Beeline Expressway (State Highway 528), and 6.3 mi south of Bithlo.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 375 ft, cased to 200 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 6 in coupling, 0.80 ft above land-surface datum.

DATUM.--Land-surface datum is 67.29 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1960-70 (annually); October 1970 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.92 ft NGVD, June 24, 1960; lowest measured, 30.15 ft NGVD, May 27, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			APR		
01...	1008	37.02	01...	1025	38.00
NOV			MAY		
01...	0757	36.86	03...	0910	37.12
DEC			31...	1038	33.80
01...	0942	36.73	JUL		
JAN			05...	1200	35.61
03...	0950	36.76	AUG		
FEB			02...	1600	34.98
02...	1310	36.85	31...	1338	36.08
MAR			SEP		
01...	0930	37.75	14...	0952	36.03

WELL NUMBER.--282847081013701. Local Number 828-101-01. USGS Observation Well Cocoa H near Bithlo, FL.

LOCATION.--Lat 28°28'47", long 81°01'37", in SW4NW4NW4 sec.21, T.23 S., R.33 E., Hydrologic Unit 03080101, on west side of State Highway 520, 7.3 mi southeast of Bithlo, and 5.4 mi south of intersection with State Highway 50.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 495 ft, cased to 252 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 60.00 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1968 to June 1977; July 1977 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 39.01 ft NGVD, Feb. 25, 1970; lowest measured, 29.48 ft May 13, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1962 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
01...	0950	36.21	03...	0845	36.52
NOV			18...	0915	34.46
01...	0741	36.00	31...	0945	32.97
DEC			JUL		
01...	0924	35.79	05...	1110	34.88
JAN			AUG		
03...	0935	35.93	01...	1345	33.92
FEB			31...	1320	35.29
02...	1330	35.11	SEP		
MAR			12...	1328	35.32
01...	1121	37.25			
APR					
01...	1130	37.21			





WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

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ORANGE COUNTY

WELL NUMBER.--283249081053202. Local Number 832-105-02. Bithlo 2 Well at Bithlo, FL.

LOCATION.--Lat 28°32'49", long 81 05'32 , in NE¼NW¼SW¼ sec.26, T.22 S., R.32 E., Hydrologic Unit 03080101, on north side of State Highway 50, 0.8 mi west of intersection with State Highway 520, and 1.0 mi east of Bithlo.

AQUIFER.--Hawthorn limestone of the intermediate aquifer system, Geologic Unit 122 HTRNN.

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 75 ft, cased to 65 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 63.49 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1960 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.60 ft NGVD, Jan. 26, 1971; lowest measured, 47.51 ft NGVD, May 26, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
01...	0930	51.33	03...	0840	52.01
NOV			18...	1410	51.00
01...	0710	51.37	31...	0915	50.68
DEC			JUL		
01...	0840	51.24	05...	1040	51.50
JAN			AUG		
03 ...	0910	51.58	01...	1250	51.20
FEB			31...	1305	51.10
02...	1345	51.40	SEP		
MAR			12...	1420	51.29
01...	1058	52.15			
APR					
01...	1103	52.51			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ORANGE COUNTY

WELL NUMBER.--283249081053203. Local Number 832-105-03. Bithlo 3 Well at Bithlo, FL.

LOCATION.--Lat 28°32'49", long 81°05'32", in NE¼NW¼SW¼ sec.26, T.22 S., R.32 E., Hydrologic Unit 03080101, on north side of State Highway 50, 0.8 mi west of intersection with State Highway 520, and 1.0 mi east of Bithlo.

AQUIFER.--Nonartesian sand of the surficial aquifer system, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 15 ft, cased to 12 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 63.14 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1977, land-surface datum was considered to be 63.50 ft National Geodetic Vertical Datum of 1929.

REMARKS.--The figures of water level as elevation NGVD prior to Oct. 1, 1977 have been revised. Revised records are in files of the Geological Survey.

PERIOD OF RECORD.--September 1960 to current year (monthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.39 ft NGVD, Nov. 15, 1979; lowest measured, 59.09 ft NGVD, present datum, May 8, 1975.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
01...	0931	63.08	03...	0845	61.85
NOV			18...	1412	60.99
01...	0714	61.92	31...	0930	62.77
DEC			JUL		
01...	0845	61.59	05...	1035	62.90
JAN			AUG		
03...	0912	61.45	01...	1245	62.96
FEB			31...	1308	61.68
02...	1347	63.31	SEP		
MAR			12...	1422	62.06
01...	1005	63.05			
APR					
01...	1100	62.99			

WELL NUMBER.--283253081283401. Local Number 832-128-01. USGS Observation Well OR47 at Orlo Vista, FL.

LOCATION.--Lat 28°32'53", long 81°28'34", in SE¼NE¼NE¼ sec.26, T.22 S., R.28 E., Hydrologic Unit 03080101, on west side of Hiwassee Road, 0.6 mi north of Old Winter Garden Road, and 0.15 mi south of State Highway 50 in Orlo Vista.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 350 ft, cased to 328 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.13 ft, revised, above land-surface datum.

DATUM.--Land-surface datum is 81.71 ft, revised, National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1930 to May 1933; August 1943 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 80.78 ft NGVD, Mar. 20, 1960; lowest, 49.80 ft NGVD, June 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	61.20	60.95	59.87	59.41	59.60	60.66	61.39	60.64	58.83	61.19	60.23	62.04
10	61.62	60.77	59.94	59.28	60.08	60.87	61.44	60.06	60.21	61.33	62.24	61.53
15	61.43	60.65	60.03	59.14	60.88	60.84	61.33	59.60	60.04	60.60	62.21	61.70
20	61.05	60.44	59.96	59.09	61.05	61.38	61.28	58.81	59.37	59.99	61.94	61.79
25	60.98	---	59.64	59.20	60.87	61.26	61.33	58.15	59.95	59.47	---	61.93
EOM	60.69	59.91	59.45	59.11	60.94	61.58	60.82	58.66	60.13	59.86	61.28	---
MAX	61.80	---	60.15	59.58	61.26	61.58	61.62	60.72	60.21	61.38	---	---

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ORANGE COUNTY

WELL NUMBER.--283253081283404. Local Number 832-128-04. USGS Observation Well OR47B replacement at Orlo Vista, FL.

LOCATION.--28°32'53", 81°28'34", in SE¼NE¼NE¼ sec.26, T.22 S., R.28 E., Hydrologic Unit 03080101, on west side of Hiawasse Road, 0.6 mi north of Old Winter Garden Road, and 0.15 mi south of State Highway 50 in Orlo Vista.

AQUIFER.--Nonartesian sand of the surficial aquifer system, Geologic Unit 112 NRSD.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 1.25 in, depth 35 ft, cased to 33 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 0.94 ft above land-surface datum.

DATUM.--Land-surface datum is 81.77 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Record is equivalent to that for OR47B (283253081283402), available September 1948 to September 1981.

PERIOD OF RECORD.--February 1982 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.09 ft NGVD, Aug. 16, 1983; lowest measured, 53.81 ft Feb. 1, 1982.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			APR		
30...	0755	60.82	28...	0800	62.46
DEC			MAY		
28...	1200	61.41	11...	0912	61.80
JAN			31...	0755	60.92
03...	0855	61.23	JUN		
20...	1020	60.70	29...	0928	61.02
FEB			AUG		
01...	0850	60.63	16...	0854	63.09
MAR					
01...	--	61.54			
31...	0800	62.62			

WELL NUMBER.--283333081233501. Local Number 833-123-09. Lake Adair 9 Deep Well at Orlando, FL.

LOCATION.--Lat 28°33'33", long 81°23'35", in NW¼NW¼SW¼ sec.23, T.22 S., R.29 E., Hydrologic Unit 03080101, 25 ft northeast of intersection of Westmoreland Drive and Lake Adair Boulevard in Orlando.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 20 in, depth 1,281 ft, cased to 601 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Bolt hole in cap, 4.02 ft above land-surface datum.

DATUM.--Land-surface datum is 80.40 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--January 1961 (annually); November 1962 to August 1973; September 1973 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 60.23 ft NGVD, Aug. 9, 1966; lowest measured, 42.70 ft NGVD, May 11, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
13...	0700	52.29	31...	0735	48.72
NOV			JUN		
24...	0645	50.56	30...	0730	50.01
JAN			AUG		
31...	1530	49.82	01...	0735	49.93
MAR			SEP		
31...	0740	53.08	02...	0745	51.25
APR			12...	0740	50.51
28...	0735	51.65	29...	0730	51.07
MAY					
16...	0828	51.27			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ORANGE COUNTY

WELL NUMBER.--283333081233502. Local Number 833-123-10. Lake Adair 10 Well at Orlando, FL.

LOCATION.--Lat 28°33'33", long 81°23'35", in NW¼NW¼SW¼ sec.23, T.22 S., R.29 E., Hydrologic Unit 03080101, 25 ft northeast of intersection of Westmoreland Drive and Lake Adair Boulevard in Orlando.

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

WELL CHARACTERISTICS.--Drilled, artesian, observation well, diameter 4 in, depth 400 ft, cased to 105 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Bolt hole in cap, 3.63 ft above land-surface datum.

DATUM.--Land-surface datum is 80.40 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1962 to November 1972; May 1973 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 68.92 ft NGVD, June 28, 1974; lowest measured, 42.94 ft NGVD, May 11, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
13...	0715	53.04	16...	0824	49.59
28...	0740	51.57	31...	0730	49.65
NOV			JUN		
30...	0720	50.53	30...	0725	50.75
JAN			AUG		
01...	0830	50.70	01...	0730	50.43
31...	1535	50.16	SEP		
FEB			02...	0700	51.75
28...	0725	52.87	12...	0745	50.87
MAR			29...	0725	51.39
31...	0735	54.80			
APR					
28...	0730	52.83			

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

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ORANGE COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEVATION ABOVE NGVD (FEET)
282344081054201	82310501 COCOA 11 NR BITHLO FL	28 23 44	081 05 42	01	83-06-01	33.54
282348080564701	82305601 24S34E18 422 PALMETTO NR CHRISTMAS FL	28 23 48	080 56 47	01	83-05-18 83-09-12	34.85 35.70
282404081050501	82410504 COCOA 12B NR BITHLO FL	28 24 04	081 05 05	01	83-06-01	32.32
282405081053002	82410506 COCOA 4A1 NR BITHLO FL	28 24 05	081 05 30	02	83-06-01	31.65
282412081044701	82410402 COCOA 12A NR BITHLO FL	28 24 12	081 04 47	01	83-06-01	34.25
282416081054101	82410502 COCOA 4 NR BITHLO FL	28 24 16	081 05 41	01	83-06-01	33.41
282451081054501	82410503 COCOA 5 NR BITHLO FL	28 24 51	081 05 45	01	83-06-03	34.52
282529081073201	82510702 COCOA 7A NR BITHLO FL	28 25 29	081 07 32	01	83-06-01	33.69
282530081054201	82510503 COCOA 7 NR BITHLO FL	28 25 30	081 05 42	01	83-06-01	33.06
282530081054204	82510521 COCOA 7T1 NR BITHLO FL	28 25 30	081 05 42	04	83-06-01	49.47
282531081075601	82510703 COCOA 13 NR BITHLO FL	28 25 31	081 07 56	01	83-06-01	33.56
282531081082201	82510801 COCOA 14 NR BITHLO FL	28 25 31	081 08 22	01	83-06-01	33.98
282612081054201	82610502 COCOA 2 NR BITHLO FL	28 26 12	081 05 42	01	83-06-01	32.07
282632081054501	82610503 COCOA 8 NR BITHLO FL	28 26 32	081 05 45	01	83-06-01	34.31
282650081054201	82610504 COCOA 9 NR BITHLO FL	28 26 50	081 05 42	01	83-06-01	28.61
282704081214301	82712101 23S29E25 BEARHEAD LK AT BELLE ISLE FL	28 27 04	081 21 43	01	83-05-17 83-09-12	49.56 52.46
282838080572401	82805701 23S34E18 TURKEY CAMP NEAR CHRISTMAS FL	28 28 38	080 57 24	01	83-05-18 83-09-16	33.30 34.00
282848080544501	82805402 23S34E15 TOSOHATCHEE PRESERVE NR C'MAS FL	28 28 48	080 54 45	01	83-05-18 83-09-16	31.40 32.00
282900081112901	82911101 23S31E14 CO LANDFILL C DEEP NR ORLANDO FL	28 29 00	081 11 29	01	83-05-18 83-09-16	39.69 40.72
283011081360002	WEST ORANGE COUNTRY CLUB WELL NR ORLANDO FL	28 30 11	081 36 00	02	83-05-16 83-09-14	77.50 79.68
283017081195201	83011901 23S30E08 LK MARGARET&CONWAY RD ORLANDO FL	28 30 17	081 19 52	01	83-05-17 83-09-14	48.28 50.11
283049081141701	83011402 23S31E05 324 DEAN RD AT ORLANDO FL	28 30 49	081 14 17	01	83-05-18 83-09-14	45.85 47.57
283105081222201	83112203 23S29E36 DELANEY & HARDING STS ORLANDO FL	28 31 05	081 22 22	01	83-05-17 83-09-12	49.64 50.93
283121081311601	O-197 LK OLIVIA DRAINAGE WELL ORLANDO FL	28 31 21	081 31 16	01	83-05-16 83-09-14	67.15 69.67
283135081234301	83112319 22S29E34 LAYNE-ATLANTIC DEEP AT ORLANDO FL	28 31 35	081 23 21	01	83-05-17 83-09-12	50.27 51.65
283157081180401	83111802 22S30E34 ENGLEW'D S/D DRAIN.WELL ORLANDO FL	28 31 57	081 18 04	01	83-05-17 83-09-14	47.02 49.22
283201081010301	83210101 22S33E33 SCHOOL SUPPLY WELL CHRISTMAS FL	28 32 01	081 01 03	01	83-05-18 83-09-12	31.30 32.08

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

ORANGE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
283214080583501	83205801 22S33E36 DOT FLOWING WELL HWY50 NR C'MAS FL	28 32 14	080 58 35	01	83-05-18 83-09-12	27.16 27.66
283307081300801	83313001 22S28E22 W-5110 LK SHERWOOD D/W NR OCOEE FL	28 33 07	081 30 08	01	83-05-16 83-09-12	62.04 64.00
283325081374001	83313703 22S27E20 CITY WELL 2 AT OAKLAND FL	28 33 25	081 37 40	01	83-05-16 83-09-14	77.01 78.88
283326081262101	83312601 22S29E20 LK LAWNE D/W S SIDE ORLANDO FL	28 33 26	081 26 21	01	83-05-16 83-09-12	51.93 53.55
283407081134101	83411301 22S31E16 LONE PINE WELL NR UNION PARK FL	28 34 07	081 13 41	01	83-05-18 83-09-12	42.92 44.25
283412081163401	83411606 22S30E13 LEE ESTS SUPL WELL NR UNION PK FL	28 34 12	081 16 34	01	83-05-17 83-09-14	46.26 47.70
283417081331401	83413302 22S28E18 DRAINAGE WELL SR438 OCOEE FL	28 34 17	081 33 14	01	83-05-16 83-09-13	69.87 74.92
283441081203301	83412002 22S30E17 GLENRIDGE DEEP ORLANDO FL	28 34 41	081 20 33	01	83-05-17 83-09-12	49.47 51.90
283524081344701	83513401 22S28E11 LK APOPKA TST NR WINTER GARD'N FL	28 35 24	081 34 47	01	83-05-16 83-09-13	69.50 71.42
283528081235201	83512302 22S29E10 D/WELL LK FAIRVIEW AT ORLANDO FL	28 35 28	081 23 52	01	83-05-17 83-09-12	50.10 51.60
283530081214301	83512107 LAKE MIDGET DRAINAGE WELL AT WINTER PARK FL	28 35 30	081 21 43	01	83-05-17 83-09-12	46.81 48.48
283548081181401	83511802 22S30E10 DEEP WELL PTU BLVD ORLANDO FL	28 35 48	081 18 14	01	83-05-17 83-09-16	35.14 36.95
283550081070201	83510703 22S32E09 D/WELL LK PICKETT NR UNION PK FL	28 35 50	081 07 02	01	83-05-18	15.70
283605081103601	83611001 22S31E01 L FARON NR LK PRICE NR UNION PK FL	28 36 05	081 10 36	01	83-05-18 83-09-12	37.08 37.65
283619081331801	83613301 22S28E06 APOPKA CITRUS WELL NR GLARCONA FL	28 36 19	081 33 18	01	83-05-16 83-09-13	64.89 66.65
283623081230501	83612301 22S29E02 DP WELL WYMORE&LEE RD WINTER PK FL	28 36 23	081 23 05	01	83-05-20 83-09-16	48.36 49.79
283649081283601	83612803 21S28E35 LONG LK/HIAWASSEE NR GLARCONA FL	28 36 49	081 28 36	01	83-05-17 83-09-13	60.43 62.35
283654081260801	83612604 21S29E32 DRAINAGE WELL LK DAVIS LOCKHART FL	28 36 54	081 26 08	01	83-05-17 83-09-14	56.22 58.48
283729081273701	83712704 21S28E36 OLD SUP.WELL LONG LK NR L'HART FL	28 37 29	081 27 37	01	83-05-17	48.95
283813081325701	83813204 21S28E30 ST FOLIAGE R'SCH CTR NR APOPKA FL	28 38 13	081 32 57	01	83-05-17 83-09-13	56.93 59.84
283816081225501	83812201 21S29E26 LK CHARITY WELL NR MAITLAND FL	28 38 16	081 22 55	01	83-05-17 83-09-12	48.33 49.93
284020081280601	84012801 21S28E12 WEKIVA SPGS RD/436 NR APOPKA FL	28 40 20	081 28 06	01	83-05-17 83-09-13	47.75 49.90
284025081301701	84013002 21S28E10 CITY DRAINAGE WELL AT APOPKA FL	28 40 25	081 30 17	01	83-05-17 83-09-13	50.18 52.17

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

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ORANGE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
284059081365401	84013601 21S27E09 DPC TST ZELLW'DFRMS NR PLYMOUTH FL	28 40 59	081 36 54	01	83-05-19 83-09-13	60.44 62.49
284234081273901	84212702 20S28E36 SUP WELL WEKIWA ST PK NR APOPKA FL	28 42 34	081 27 39	01	83-05-19 83-09-13	21.15 21.38
284326081283601	84312802 20S28E26 MILL CRK CABIN ST PK NR APOPKA FL	28 43 26	081 28 36	01	83-05-19 83-09-13	45.90 46.40
284330081360501	84313603 20S27E27 JEWEL FOLIAGE AT ZELLWOOD FL	28 43 30	081 36 05	01	83-05-19 83-09-13	56.14 58.36
284429081272001	84412701 20S29E19 RR WELL RK SPGS RN NR KELLY PK FL	28 44 29	081 27 20	01	83-05-19 83-09-21	30.60 32.50
284431081282801	84412802 20S28E24 ROCK SPRINGS RUN NR KELLY PARK FL	28 44 31	081 28 28	01	83-05-19 83-05-19	38.24 28.04
284453081284401	84412801 20S28E14 WEKIWA SP ST PK NR KELLY PARK FL	28 44 53	081 28 44	01	83-05-19 83-09-13	38.73 38.73
284453081365101	84413601 20S27E16 SADLER RD NR LK OLA NR ZELLWOOD FL	28 44 53	081 36 51	01	83-05-19 83-09-13	53.19 54.44
284523081330601	845133 20S28E18 SOUTHERN FLORAL WELL KELLY PARK FL	28 45 23	081 33 06	01	83-05-19 83-09-13	55.61 55.95
284528081301101	84513005 20S28E10 ROCK SPGS SE WELL KELLY PARK FL	28 45 28	081 30 11	01	83-05-19 83-09-13	29.43 29.31
284529081301001	84513001 20S28E10 ROCK SPGS DP WELL KELLY PARK FL	28 45 29	081 30 10	01	83-05-19 83-09-13	36.71 36.63
284541081265201	84512601 20S29E07 ANDERSON PASTURE NR KELLY PARK FL	28 45 41	081 26 52	01	83-05-19 83-09-21	33.50 34.40
284557081392201	84513902 20S27E07 LK CARLTON DP NR TANGERINE FL	28 45 57	081 39 22	01	83-05-19 83-09-13	55.59 58.24
284635081280601	HIDDEN WELL E OF ROCK SPGS RUN NR KELLY PK FL	28 46 35	081 28 06	01	83-09-21	36.90

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

ORANGE COUNTY

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
282315081044250 - COMPOSITE - COCOA WELL FIELD NEAR NARCOOSEE, FL (LAT 28 23 15 LONG 081 04 42)												
APR , 1983												
01...	1000	--	760	--	--	--	--	--	--	--	--	--
MAY												
03...	--	--	915	--	--	--	--	--	--	--	--	--
JUN												
03...	0930	--	1090	--	--	--	--	--	--	--	--	--
JUL												
05...	1400	--	1150	--	--	--	--	--	--	--	--	--
282344081054201 - 82310501 - COCOA 11 NEAR BITHLO, FL (LAT 28 23 44 LONG 081 05 42)												
JUN , 1983												
01...	1030	580	1100	1030	7.3	7.9	23.5	10	347	137	110	17
282404081050501 - 82410504 - COCOA 12B NEAR BITHLO, FL (LAT 28 24 04 LONG 081 05 05)												
JUN , 1983												
01...	0930	519	1120	1070	7.2	8.0	23.5	10	370	130	120	16
282405081053002 - 82410506 - COCOA 4A1 NEAR BITHLO, FL (LAT 28 24 05 LONG 081 05 30)												
DEC , 1982												
01...	1230	527	--	1170	--	--	--	--	--	--	--	--
FEB , 1983												
02...	0815	527	--	1170	--	--	--	--	--	--	--	--
JUN												
01...	1000	527	1040	860	7.3	7.9	23.5	10	90	0	12	14
282412081044701 - 82410402 - COCOA 12A NEAR BITHLO, FL (LAT 28 24 12 LONG 081 04 47)												
JUN , 1983												
01...	0845	600	1340	1220	7.3	7.9	--	10	386	163	120	20
282416081054101 - 82410502 - COCOA 4 NEAR BITHLO, FL (LAT 28 24 16 LONG 081 05 41)												
JUN , 1983												
01...	1100	524	1380	1230	7.3	8.0	23.3	10	413	197	130	20
282529081073201 - 82510702 - COCOA 7A NEAR BITHLO, FL (LAT 28 25 29 LONG 081 07 32)												
JUN , 1983												
01...	1430	710	1390	1180	7.2	8.1	23.5	10	431	183	150	13
282530081054204 - 82510521 - COCOA 7T1 NEAR BITHLO, FL (LAT 28 25 30 LONG 081 05 42)												
JUN , 1983												
01...	1145	115	654	600	7.5	8.0	24.0	10	291	0	110	3.7
282530081085401 - 82510802 - COCOA 15 NEAR BITHLO, FL (LAT 28 25 30 LONG 081 08 54)												
MAY , 1983												
31...	1300	702	725	580	7.4	7.8	23.5	10	285	164	94	12



GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

ORANGE COUNTY--Continued

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-LAB (MG/L) HCO3) (90440)	CAR- BONATE IT-LAB (MG/L) CO3) (90445)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
282315081044250 - COMPOSITE - COCOA WELL FIELD NEAR NARCOOSEE, FL (LAT 28 23 15 LONG 081 04 42)											
APR , 1983											
01...	--	--	--	--	--	--	68	--	--	--	--
MAY											
03...	--	--	--	--	--	--	90	--	--	--	--
JUN											
03...	--	--	--	--	--	--	125	--	--	--	--
JUL											
05...	--	--	--	--	--	--	150	--	--	--	--
282344081054201 - 82310501 - COCOA 11 NEAR BITHLO, FL (LAT 28 23 44 LONG 081 05 42)											
JUN , 1983											
01...	86	3.6	256	.0	210	93	160	.2	21	623	2300
282404081050501 - 82410504 - COCOA 12B NEAR BITHLO, FL (LAT 28 24 04 LONG 081 05 05)											
JUN , 1983											
01...	82	3.3	292	.0	240	99	150	.2	21	667	3700
282405081053002 - 82410506 - COCOA 4A1 NEAR BITHLO, FL (LAT 28 24 05 LONG 081 05 30)											
DEC , 1982											
01...	--	--	--	--	--	--	190	--	--	--	--
FEB , 1983											
02...	--	--	--	--	--	--	190	--	--	--	--
JUN											
01...	51	2.2	269	.0	221	110	93	.2	21	560	2000
282412081044701 - 82410402 - COCOA 12A NEAR BITHLO, FL (LAT 28 24 12 LONG 081 04 47)											
JUN , 1983											
01...	120	4.2	272	.0	223	130	210	.4	22	762	3600
282416081054101 - 82410502 - COCOA 4 NEAR BITHLO, FL (LAT 28 24 16 LONG 081 05 41)											
JUN , 1983											
01...	100	3.8	264	.0	216	150	190	.3	21	781	5600
282529081073201 - 82510702 - COCOA 7A NEAR BITHLO, FL (LAT 28 25 29 LONG 081 07 32)											
JUN , 1983											
01...	87	2.6	302	.0	248	140	170	.2	24	755	2300
282530081054204 - 82510521 - COCOA 7T1 NEAR BITHLO, FL (LAT 28 25 30 LONG 081 05 42)											
JUN , 1983											
01...	16	.9	380	.0	312	1.4	16	.2	20	345	630
282530081085401 - 82510802 - COCOA 15 NEAR BITHLO, FL (LAT 28 25 30 LONG 081 08 54)											
MAY , 1983											
31...	28	1.8	209	.0	121	79	41	.2	21	416	1100



GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

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ORANGE COUNTY--Continued

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-LAB (MG/L HCO3) (90440)	CAR- BONATE IT-LAB (MG/L CO3) (90445)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
282530081091701 - 82510902 - COCOA 16 NEAR BITHLO, FL (LAT 28 25 30 LONG 081 09 17)											
MAY , 1983											
31...	30	1.8	244	.0	200	110	47	.3	21	472	1200
282530081094001 - 82510903 - COCOA 17 NEAR BITHLO, FL (LAT 28 25 30 LONG 081 09 40)											
MAY , 1983											
31...	25	1.8	241	.0	197	110	40	.2	19	452	1400
282531081075601 - 82510703 - COCOA 13 NEAR BITHLO, FL (LAT 28 25 31 LONG 081 07 56)											
JUN , 1983											
01...	62	2.4	292	.0	239	100	120	.2	22	625	990
282533081082202 - 82510804- USGS OBSERVATION WELL COCOA C ZONE 1 NEAR BITHLO, FL (LAT 28 25 33 LONG 081 08 22)											
OCT , 1982											
01...	--	--	--	--	--	--	2200	--	--	--	--
NOV											
01...	--	--	--	--	--	--	2200	--	--	--	--
DEC											
01...	--	--	--	--	--	--	2200	--	--	--	--
JAN , 1983											
03...	--	--	--	--	--	--	2300	--	--	--	--
FEB											
02...	--	--	--	--	--	--	2400	--	--	--	--
MAR											
01...	--	--	--	--	--	--	2300	--	--	--	--
APR											
01...	--	--	--	--	--	--	2300	--	--	--	--
MAY											
03...	--	--	--	--	--	--	2300	--	--	--	--
JUN											
03...	1200	51	20	.0	16	1000	2300	.3	3.6	5530	8700
JUL											
05...	--	--	--	--	--	--	2300	--	--	--	--
AUG											
02...	--	--	--	--	--	--	2300	--	--	--	--
31...	--	--	--	--	--	--	2300	--	--	--	--
282533081082204 - 82510806 - USGS OBSERVATION WELL COCOA C ZONE 3 NEAR BITHLO, FL (LAT 28 25 33 LONG 081 08 22)											
OCT , 1982											
01...	--	--	--	--	--	--	78	--	--	--	--
NOV											
01...	--	--	--	--	--	--	79	--	--	--	--
DEC											
01...	--	--	--	--	--	--	77	--	--	--	--
JAN , 1983											
03...	--	--	--	--	--	--	78	--	--	--	--
FEB											
02...	--	--	--	--	--	--	79	--	--	--	--
MAR											
01...	--	--	--	--	--	--	92	--	--	--	--
APR											
01...	--	--	--	--	--	--	81	--	--	--	--
MAY											
03...	--	--	--	--	--	--	79	--	--	--	--
JUN											
03...	45	2.5	250	.0	205	150	92	.2	18	585	10000
JUL											
05...	--	--	--	--	--	--	80	--	--	--	--
AUG											
02...	--	--	--	--	--	--	82	--	--	--	--
31...	--	--	--	--	--	--	79	--	--	--	--

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

ORANGE COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
282533081082205 - 82510807 - USGS OBSERVATION WELL COCOA C ZONE 4 NEAR BITHLO, FL (LAT 28 25 33 LONG 081 08 22)												
OCT , 1982												
01...	0728	1050	--	595	--	--	--	--	--	--	--	--
NOV												
01...	0638	1050	--	578	--	--	--	--	--	--	--	--
DEC												
01...	0754	1050	--	603	--	--	--	--	--	--	--	--
JAN , 1983												
03...	0805	1050	--	587	--	--	--	--	--	--	--	--
FEB												
02...	0730	1050	--	579	--	--	--	--	--	--	--	--
MAR												
01...	0723	1050	--	605	--	--	--	--	--	--	--	--
APR												
01...	0638	1050	--	605	--	--	--	--	--	--	--	--
MAY												
03...	0708	1050	--	608	--	--	--	--	--	--	--	--
JUN												
03...	0858	1050	--	600	--	8.2	--	0	280	39	80	7.2
JUL												
05...	0645	1050	--	600	--	--	--	--	--	--	--	--
AUG												
02...	1005	1050	--	609	--	--	--	--	--	--	--	--
31...	1520	1050	--	600	--	--	--	--	--	--	--	--
282533081082206 - 82510808 - USGS OBSERVATION WELL COCOA C ZONE 5 NEAR BITHLO, FL (LAT 28 25 33 LONG 081 08 22)												
JUN , 1983												
03...	0855	1004	830	800	7.6	7.8	--	0	307	71	100	13
282548081054201 - 82510504 - COCOA 3 NEAR BITHLO, FL (LAT 28 25 48 LONG 081 05 42)												
JUN , 1983												
01...	1400	496	1940	1750	7.3	8.0	23.5	10	525	290	170	23
282612081054201 - 82610502 - COCOA 2 NEAR BITHLO, FL (LAT 28 26 12 LONG 081 05 42)												
JUN , 1983												
01...	1345	617	1920	1800	7.3	7.8	23.5	5	570	363	180	26
282632081054501 - 82610503 - COCOA 8 NEAR BITHLO, FL (LAT 28 26 32 LONG 081 05 45)												
JUN , 1983												
01...	1330	640	1830	1750	7.4	8.1	23.5	5	510	274	160	25
282650081054201 - 82610504 - COCOA 9 NEAR BITHLO, FL (LAT 28 26 50 LONG 081 05 42)												
JUN , 1983												
01...	1245	525	1680	1580	7.3	8.2	23.5	10	496	261	160	22
282739081054501 - 82710502- USGS OBSERVATION WELL COCOA F NEAR BITHLO, FL (LAT 28 27 39 LONG 081 05 45)												
JUN , 1983												
01...	1215	375	1480	1290	7.3	8.1	23.5	10	440	178	150	15

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

ORANGE COUNTY--Continued

DATE	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-LAB (MG/L) HCO3) (90440)	CAR- BONATE IT-LAB (MG/L) CO3) (90445)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
282533081082205 - 82510807 - USGS OBSERVATION WELL COCOA C ZONE 4 NEAR BITHLO, FL (LAT 28 25 33 LONG 081 08 22)											
OCT , 1982											
01...	--	--	--	--	--	--	36	--	--	--	--
NOV											
01...	--	--	--	--	--	--	33	--	--	--	--
DEC											
01...	--	--	--	--	--	--	35	--	--	--	--
JAN , 1983											
03...	--	--	--	--	--	--	37	--	--	--	--
FEB											
02...	--	--	--	--	--	--	38	--	--	--	--
MAR											
01...	--	--	--	--	--	--	40	--	--	--	--
APR											
01...	--	--	--	--	--	--	37	--	--	--	--
MAY											
03...	--	--	--	--	--	--	37	--	--	--	--
JUN											
03...	20	1.3	294	.0	241	34	33	.4	22	410	44000
JUL											
05...	--	--	--	--	--	--	36	--	--	--	--
AUG											
02...	--	--	--	--	--	--	37	--	--	--	--
31...	--	--	--	--	--	--	37	--	--	--	--
282533081082206 - 82510808 - USGS OBSERVATION WELL COCOA C ZONE 5 NEAR BITHLO, FL (LAT 28 25 33 LONG 081 08 22)											
JUN , 1983											
03...	49	2.5	288	.0	236	70	82	.2	18	510	3200
282548081054201 - 82510504 - COCOA 3 NEAR BITHLO, FL (LAT 28 25 48 LONG 081 05 42)											
JUN , 1983											
01...	170	4.8	286	.0	235	210	340	.2	22	1180	5100
282612081054201 - 82610502 - COCOA 2 NEAR BITHLO, FL (LAT 28 26 12 LONG 081 05 42)											
JUN , 1983											
01...	170	5.3	252	.0	207	240	340	.2	21	1190	12000
282632081054501 - 82610503 - COCOA 8 NEAR BITHLO, FL (LAT 28 26 32 LONG 081 05 45)											
JUN , 1983											
01...	170	5.6	288	.0	236	210	320	.2	20	1090	6600
282650081054201 - 82610504 - COCOA 9 NEAR BITHLO, FL (LAT 28 26 50 LONG 081 05 42)											
JUN , 1983											
01...	140	4.6	286	.0	235	180	280	.3	21	985	5300
282739081054501 - 82710502 - USGS OBSERVATION WELL COCOA F NEAR BITHLO, FL (LAT 28 27 39 LONG 081 05 45)											
JUN , 1983											
01...	100	3.0	271	.0	262	150	210	.2	20	838	3300

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

ORANGE COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS) (90095)	PH (STAND-ARD UNITS) (00400)	PH LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
283330081222650 - COMPOSITE - ORLANDO IVANHOE WATER PLANT AT ORLANDO, FL (LAT 28 33 30 LONG 081 22 26)												
MAR , 1983												
29...	1530	--	--	280	--	--	--	--	--	--	--	--
APR												
29...	0830	--	--	270	--	--	--	--	--	--	--	--
MAY												
27...	1000	--	--	284	--	--	--	--	--	--	--	--
JUN												
30...	1315	--	274	--	--	--	--	--	--	--	--	--
SEP												
30...	1430	--	268	--	--	--	--	--	--	--	--	--
283346081222501 - 83312216 - 22S29E24, ORLANDO UTILITIES NO 1 AT ORLANDO, FL (LAT 28 33 46 LONG 081 22 25)												
NOV , 1982												
29...	1540	1159	--	264	--	--	--	--	--	--	--	--
JAN , 1983												
31...	0825	1159	--	264	--	--	--	--	--	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE IT-LAB (MG/L HCO3) (90440)	CAR-BONATE IT-LAB (MG/L CO3) (90445)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
283330081222650 - COMPOSITE - ORLANDO IVANHOE WATER PLANT AT ORLANDO, FL (LAT 28 33 30 LONG 081 22 26)											
MAR , 1983											
29...	--	--	--	--	--	--	20	--	--	--	--
APR											
29...	--	--	--	--	--	--	18	--	--	--	--
MAY											
27...	--	--	--	--	--	--	15	--	--	--	--
JUN											
30...	--	--	--	--	--	--	18	--	--	--	--
SEP											
30...	--	--	--	--	--	--	17	--	--	--	--
283346081222501 - 83312216 - 22S29E24, ORLANDO UTILITIES NO 1 AT ORLANDO, FL (LAT 28 33 46 LONG 081 22 25)											
NOV , 1982											
29...	--	--	--	--	--	--	9.6	--	--	--	--
JAN , 1983											
31...	--	--	--	--	--	--	9.1	--	--	--	--

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

ORANGE COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	FLOW RATE, INSTAN- TANEIOUS (GPM) (00059)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (90095)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3) (00902)
------	------	-------------------------------------	---	---	--	--	-------------------------------	-----------------------------------	--	-----------------------------	------------------------------------	--

283530081214301 - 83512107 - LAKE MIDGET DRAINAGE WELL IN WINTER PARK, FL (LAT 28 35 30 LONG 081 21 43)

NOV , 1982  
29... 1205 372 25 350 345 396 6.9 7.5 10 2.4 132 0

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
------	--	---	--	--	--	---	--	---	---	---	---

283530081214301 - 83512107 - LAKE MIDGET DRAINAGE WELL IN WINTER PARK, FL (LAT 28 35 30 LONG 081 21 43)

NOV , 1982  
29... 45 4.7 2.4 1.6 147 1.0 3.5 .00 .00 .000 .000

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	NITRO- GEN, PHOS- PHORUS, TOTAL (MG/L AS P) (00600)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
------	---	---	---	---	---	---	---	---	---	---	---	--

283530081214301 - 83512107 - LAKE MIDGET DRAINAGE WELL IN WINTER PARK, FL (LAT 28 35 30 LONG 081 21 43)

NOV , 1982  
29... .00 .00 3.30 3.30 .66 .59 3.96 3.9 4.0 .800 .800 .700

DATE	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
------	--	---	------------------------------------	--	--	--	--	--	--	--	---	--

283530081214301 - 83512107 - LAKE MIDGET DRAINAGE WELL IN WINTER, PARK FL (LAT 28 35 30 LONG 081 21 43)

NOV , 1982  
29... .700 2.1 1 <100 <1 10 4 2300 5 1 50 <.1

DATE	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	DI- AZINON, TOTAL (UG/L) (39570)	ETHION, TOTAL (UG/L) (39398)	MALA- THION, TOTAL (UG/L) (39530)	METHYL- PARA- THION, TOTAL (UG/L) (39600)	METHYL- TRI- THION, TOTAL (UG/L) (39790)	PARA- THION, TOTAL (UG/L) (39540)	TOTAL TRI- THION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)
------	--	--	--	----------------------------------	------------------------------	-----------------------------------	---	--	-----------------------------------	---------------------------------	-----------------------------	------------------------------

283530081214301 - 83512107 - LAKE MIDGET DRAINAGE WELL IN WINTER PARK, FL (LAT 28 35 30 LONG 081 21 43)

NOV , 1982  
29... 3 20 7 .02 <.01 .02 <.01 .36 <.01 <.01 <.01 <.01







WATER RESOURCES DATA FOR FLORIDA, 1983  
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KEY TO SITE LOCATIONS ON FIGURE 19  
OSCEOLA COUNTY

Index number	Site number	Page number
1	274828081010901	142
2	280619080542601	142
3	281722080543001	143

WATER RESOURCES DATA FOR FLORIDA, 1983  
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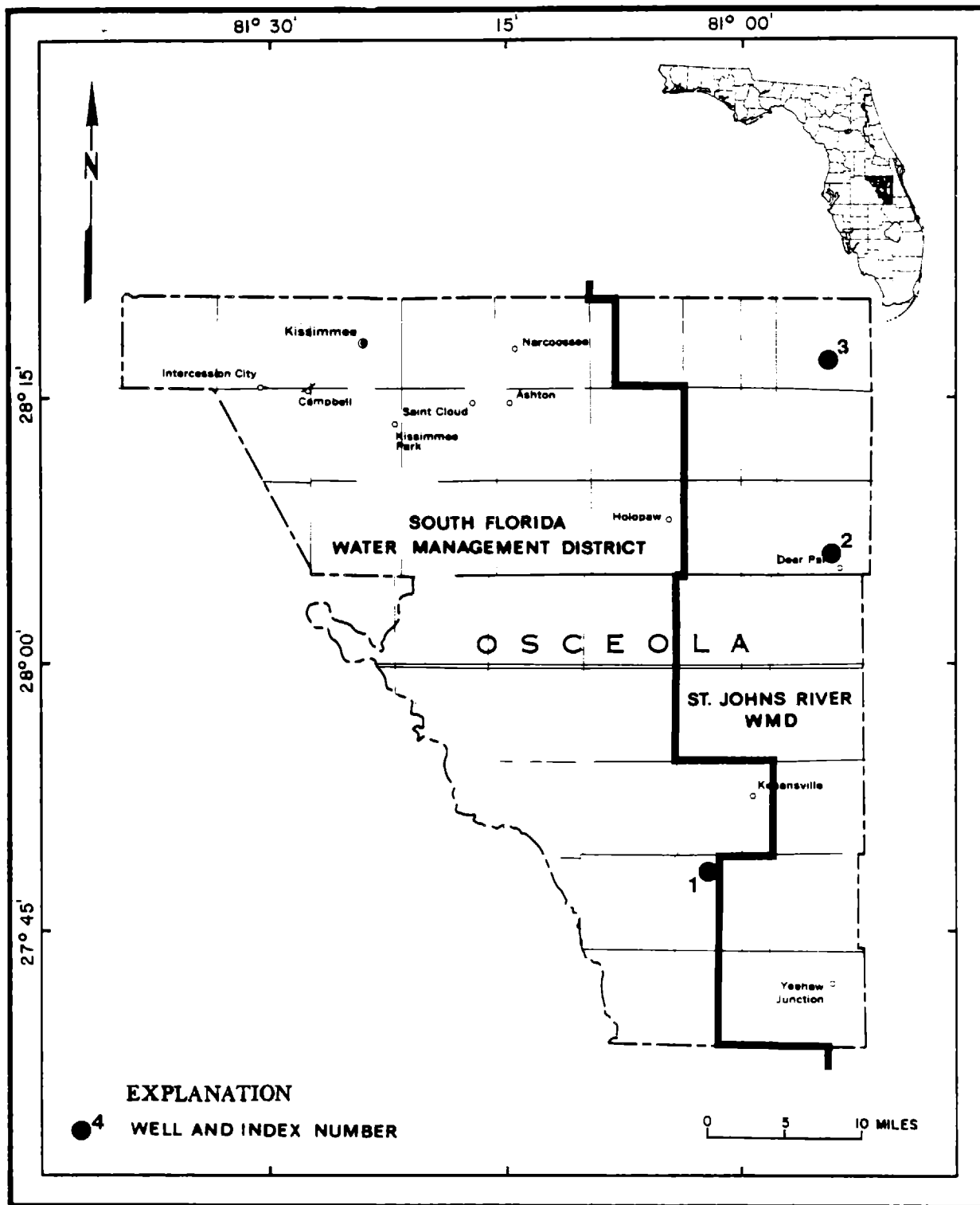


Figure 19. Location of wells in Osceola County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## OSCEOLA COUNTY

WELL NUMBER.--274828081010901. Local Number 748-101-01. USGS Observation Well OS183 near Kenansville, FL.

LOCATION.--Lat 27°48'28", long 81°01'09", in SE½SW¼SW¼ sec.3, T.31 S., R.33 E., Hydrologic Unit 03080101, on west side of Peavine Trail (State Highway 523A), 5.3 mi north of State Highway 60, and 5.4 mi south of Kenansville.

AQUIFER.--Nonartesian sand of the surficial aquifer system, Geologic Unit 112 NRSB.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 27 ft, cased to 19 ft, gravel packed from 19 ft to 27 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 73.33 ft National Geodetic Vertical Datum of 1929.

COOPERATION.--Since Oct. 1, 1968, records furnished by South Florida Water Management District and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--August 1948 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 75.11 ft NGVD, Nov. 23, 1977; lowest, 68.10 ft NGVD, May 31, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	72.95	71.55	70.60	70.87	72.13	72.00	71.52	71.02	69.94	71.95	71.18	71.62
10	72.31	70.93	71.06	70.70	72.85	72.29	72.89	70.39	71.32	---	72.87	70.79
15	71.76	70.38	70.82	70.48	72.71	72.70	72.30	70.11	70.59	---	72.23	70.70
20	71.30	71.40	71.36	72.40	72.38	72.05	71.60	69.91	70.16	---	71.75	72.27
25	70.99	70.95	70.98	72.00	71.79	72.80	71.10	69.70	72.96	---	71.64	71.17
EOM	70.83	70.70	70.70	71.40	73.02	72.77	70.71	70.13	72.90	72.39	71.38	70.78
MAX	73.05	71.97	71.80	72.57	73.02	72.94	72.89	71.02	72.96	---	72.88	72.40
CAL YR 1982	MAX	73.06										

WELL NUMBER.--280619080542601. Local Number 806-054-01. USGS Observation Well OS179 at Deer Park, FL.

LOCATION.--Lat 28°06'19", long 80°54'26", in NW¼NE¼SW¼ sec.27, T.27 S., R.34 E., Hydrologic Unit 03080101, on south side of U.S. Highway 192, 11 mi east of Holopaw, and 0.8 mi northwest of Deer Park.

AQUIFER.--Nonartesian sand of the surficial aquifer system, Geologic Unit 112 SDGV.

WELL CHARACTERISTICS.--Drilled, observation, nonartesian well, diameter 6 in, depth 17.6 ft, cased to 17.6 ft, gravel packed 12.6 to 17.6 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of casing, 3.20 ft above land-surface datum.

DATUM.--Land-surface datum is 48.84 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1949 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 49.11 ft NGVD, July 15, 1978; lowest, 42.67 ft NGVD, June 6, 1967.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	47.37	46.26	---	---	46.95	47.22	---	---	---	45.71	45.21	
10	46.75	45.88	47.15	---	47.38	47.31	45.92	---	---	45.80	45.73	
15	46.50	45.77	47.30	---	47.49	47.56	---	---	---	45.45	45.74	
20	46.26	46.21	47.24	---	47.31	47.31	---	---	---	45.37	45.62	
25	46.06	---	---	---	47.12	---	---	---	---	45.01	---	
EOM	45.83	---	---	46.45	47.97	---	---	---	45.97	45.37	---	
MAX	47.49	---	---	---	48.14	---	---	---	---	46.02	---	



MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

## OSCEOLA COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
274307080582401	743058-- OSF-42 SR 60 NR YEEHAW JUNCTION FL	27 43 07	080 58 24	01	83-05-19 83-09-14	43.44 51.44
274856080594401	74805902 31S33E20 HAYMAN DEEP WELL NR KENANSVILLE FL	27 48 56	080 59 44	01	83-05-20 83-09-14	43.21 43.92
275852081030501	TH-10 WILLIAMS RD OFF HWY 15 N OF KENANSVILLE FL	27 58 52	081 03 05	01	83-09-13	43.83
280229080565501	80205601 28S34E17 TH-8 DEER PARK FL	28 02 29	080 56 55	01	83-09-12	41.69
280448080531601	80405301 28S34E02 DEER PARK FL	28 04 48	080 53 16	01	83-05-19	39.30
280501080523701	KEMPPER WELL NR DEER PARK FL	28 05 26	080 52 40	01	83-05-19	38.86
280526080543001	805054-- 27S34E34 K-8IN PUMP DEER PARK FL	28 05 26	080 54 30	01	83-09-12	38.70
281105080541401	811054-- 26S34E34 RODEO FIELD DEER PARK FL	28 11 05	080 54 14	01	83-09-12	39.22
281116081024101	81110201 26S33E29 DSRW5 HOLOPAW, FL	28 11 16	081 02 41	01	83-09-12	40.99
281630081024401	TH-9 NOVA RD HWY 532 E OF ASHTON FL	28 16 30	081 02 44	01	83-09-12	43.77

WATER RESOURCES DATA FOR FLORIDA, 1983  
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KEY TO SITE LOCATIONS ON FIGURE 20  
PUTNAM COUNTY

Index number	Site number	Page number
1	292948081503001	147
2	293720081534501	147

WATER RESOURCES DATA FOR FLORIDA, 1983  
Volume 1B: Northeast Florida

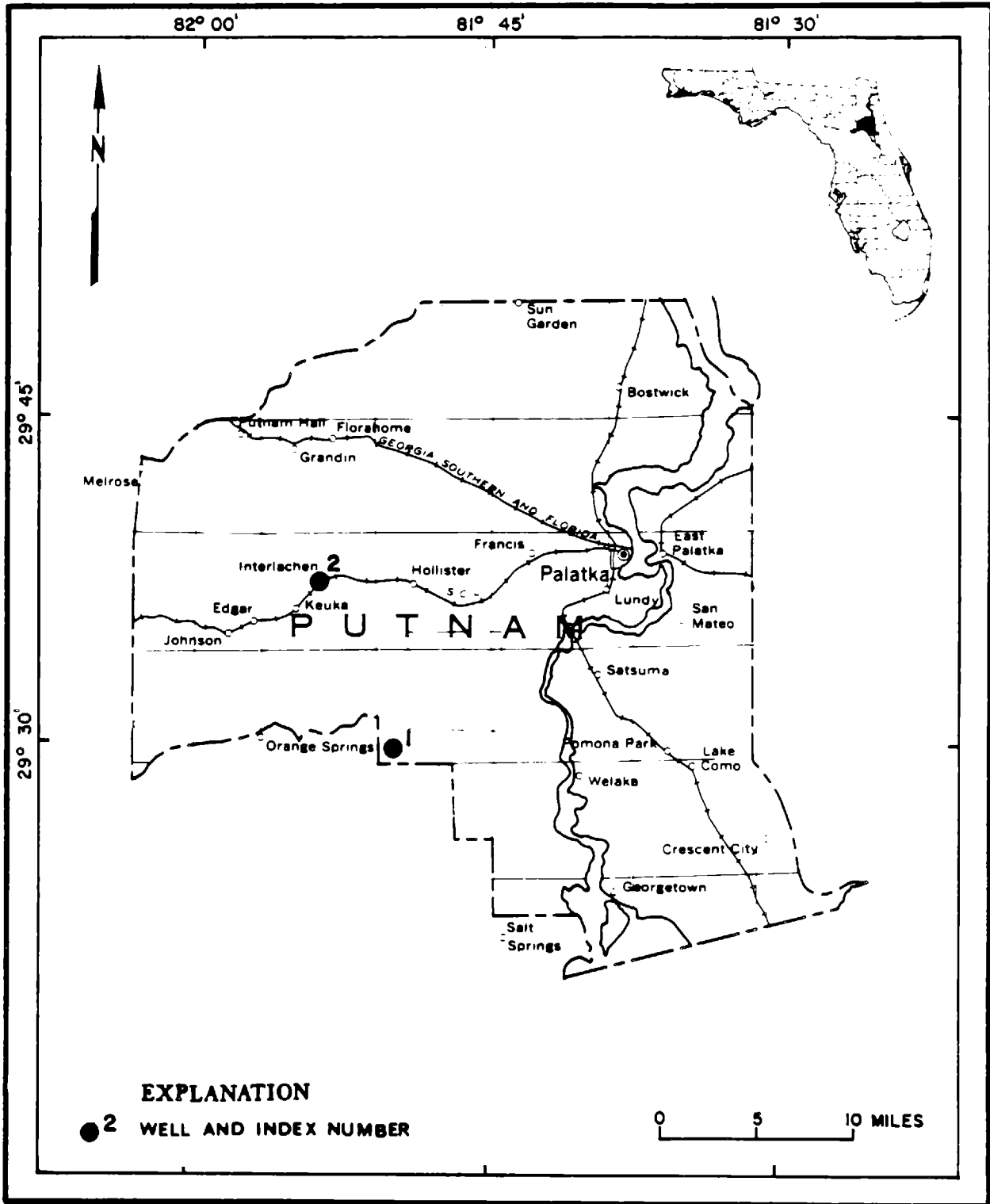


Figure 20. Location of wells in Putnam County.



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## PUTNAM COUNTY

WELL NUMBER.--292948081503001. Local Number 929-150-01. Well RD-77-G near Orange Springs, FL.

LOCATION.--Lat 29°29'48", long 81°50'30", in NW¼SW¼NW¼ sec 31, T.11 S, R.25 E, Hydrologic Unit 03080102, in northeast corner of intersection of roads 77 and 77-G in Ocala National Forest, 7.3 mi west of State Highway 19, and about 6.0 mi east of Orange Springs.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 4 in, depth 241 ft, cased to 215 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 4 in casing, 2.5 ft above land-surface datum.

DATUM.--Land-surface datum is 91.06 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1982 to current year (bimonthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.87 ft NGVD, Jan. 13, 1983; lowest measured, 20.00 ft NGVD, Sept. 20, 1983.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
JAN 13...	1055	20.87	MAY 17...	1215	20.12
MAR 14...	1330	20.51	SEP 20...	0925	20.00
MAY 04...	1145	20.28			

WELL NUMBER.--293720081534501. Local Number Putnam 937-153-01. Interlachen City Well at Interlachen, FL.

LOCATION.--Lat 29°37'20", long 81°53'45", in NE¼NE¼SE¼ sec.16, T.10 S., R.24 E., Hydrologic Unit 03080102, behind town water tank at southwest corner of Tremont and Francis Streets in Interlachen.

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

WELL CHARACTERISTICS.--Drilled, public-supply, artesian well, diameter 12 in, depth 303 ft, cased to 300 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Edge of 1 in hole in pump base, 1.15 ft above land-surface datum.

DATUM.--Land-surface datum is 107.34 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1978, land-surface datum was considered to be 110 ft, from topographic map.

REMARKS.--The figures of water levels as elevation NGVD prior to Oct. 1, 1978, have been revised. Revised records are available in files of the Geological Survey.

PERIOD OF RECORD.--April 1934 to March 1935 (semiannually); April 1956 to July 1964 (bimonthly); January 1965 to September 1972 (semiannually); January 1973 to current year (bimonthly). Records of water levels prior to January 1975 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.67 ft NGVD, present datum, Jan. 6, 1966; lowest measured, 71.62 ft NGVD, present datum, Apr, 29, 1957.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 04...	1430	77.75	MAY 05...	1320	78.60
NOV 22...	1525	77.35	18...	1130	78.57
JAN 13...	1320	76.65	SEP 19...	1050	78.60
MAR 14...	1620	77.16			

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

## PUTNAM COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
292143081374601	P423 13S27E39 E SHORE DRAYTON ISLAND FL	29 21 43	081 37 46	01	83-05-17 83-09-14	10.67 10.74
292218081333101	P410 13S27E11 UNION CMP SJWMD OBS WELL GEORGETOWN FL	29 22 18	081 33 31	01	83-05-18 83-09-13	25.89 26.59
292238081380301	P422 13S27E39 C JONES E SHORE DRAYTON ISLAND FL	29 22 38	081 38 03	01	83-05-17 83-09-14	16.15 16.35
292246081284301	92212801 NR CRESCENT CITY FL	29 22 46	081 28 43	01	83-05-20 83-09-20	14.65 16.50
292254081382101	P421 13S27E39 E SHORE LANDING DRAYTON ISLAND FL	29 22 54	081 38 21	01	83-05-17 83-09-14	12.15 12.20
292307081305201	P341 13S28E06 FERNERY OLD HWY 17 NR CRESCENT CTY FL	29 23 07	081 30 52	01	83-05-18 83-09-13	28.00 28.98
292330081325001	92313202 NR CRESCENT CITY FL	29 23 30	081 32 50	01	83-05-20 83-09-20	20.50 21.22
292435081441301	NR FRONTIER D H NR SALT SPGS FL	29 24 35	081 44 13	01	83-05-19 83-09-14	11.88 11.62
292528081383501	92513801 26S12E26 PUTNAM 28 NR FRUITLAND FL	29 25 28	081 38 35	01	83-05-17 83-09-13	18.52 19.02
292606081311101	P242 12S28E25 GAUTIER LK STELLA CRESCENT CTY FL	29 26 06	081 31 11	01	83-05-18 83-09-12	30.92 31.24
292621081375101	P373 MANSFIELD FERNERY BEULAH CH RD NR FRUITLAND FL	29 26 22	081 37 44	01	83-05-17 83-09-12	23.95 24.50
292627081334301	92113301 12S27E22 HY308 W NR CRESENT CTY FL	29 26 27	081 33 43	01	83-05-20 83-09-20	32.69 33.13
292628081385501	P396 12S26E23 WELAKA FISH HATCHERY AT FRUITLAND FL	29 26 28	081 38 55	01	83-05-17 83-09-13	11.90 12.33
292824081443301	JOHNSONS FIELD NR WELAKA FL	29 28 24	081 44 33	01	83-05-19 83-09-13	8.29 13.67
292834081402501	92814001 12S26E41 AT WELAKA FL	29 28 34	081 40 25	01	83-05-20 83-09-20	6.36 6.58
292859081375701	P-408 HWAY 308B NR WELAKA FL	29 28 59	081 37 57	01	83-05-17 83-09-13	19.33 20.11
292859081375702	P-409 SH OBS WELL HWY 308B NR WELAKA FL	29 28 59	081 37 57	02	83-05-17 83-09-13	70.08 71.54
293107081352001	P267 11S27E28 LK BROWARD PARKER REST AT PAMONA PK FL	29 31 07	081 35 20	01	83-05-17 83-09-13	29.09 29.33
293113081370301	P382 11S27E19 MAIN RD OFF SISCORD POMONA PK FL	29 31 13	081 37 03	01	83-05-17 83-09-13	30.18 30.33
293214081352201	P413 11S27E21 SJRWMD OBS WELL NR PAMONA PK FL	29 32 14	081 35 22	01	83-05-17 83-09-13	39.32 39.51
293234081424101	93214201 --S--E-- RODEHEAVEN BOYS RNCH NR PALATKA FL	29 32 34	081 42 41	01	83-05-18 83-09-19	18.56 18.80
293300081523901	933152 11S24E11 CE 60 U S CORPS ENG NR KEUKA FL	29 33 00	081 52 39	01	83-05-18 83-09-19	62.90 63.20
293304081342301	P411 11S27E09 PINEY BLUFF LNDG NR SAN MATEO FL	29 33 04	081 34 23	01	83-05-17 83-09-13	22.46 23.26
293420081415601	93414101 11S26E04 A M THOMAS WELL NR PALATKA FL	29 34 20	081 41 56	01	83-05-18 83-09-19	27.60 27.90
293439081524301	P17 10S24E35 DEEP CRK OFF HWY 315 AT KEUKA FL	29 34 39	081 52 43	01	83-05-18 83-09-14	71.21 71.21

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

PUTNAM COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
293441081373401	93413701 11S26E37 DUNNS CRK BRIDGE NR PALATKA FL	29 34 41	081 37 34	01	83-05-20 83-09-20	28.50 27.40
293543081315301	93513101 11S26E-- B T TILTON WELL NR SAN MATEO FL	29 35 43	081 31 53	01	83-05-19 83-09-20	16.46 17.17
293624081454801	93614501 10S25E23 MILLER WELL NR HOLLISTER FL	29 36 24	081 45 48	01	83-05-18 83-09-19	28.75 28.52
293631082005201	P5 10S23E20 N TWIN LK HWY 20 NR JOHNSON FL	29 36 31	082 00 52	01	83-05-18 83-09-15	86.09 85.62
293632081595601	P7 10S23E21 COWPENS LK WELL HWY 20 AT KEUKA FL	29 36 32	081 59 56	01	83-05-18 83-09-15	85.04 85.01
293657082014201	93620101 10S23E18 FALLEN OAK FARM NR JOHNSON FL	29 36 57	082 01 42	01	83-05-18 83-09-19	79.08 78.78
293720081595301	P8 10S23E10 CHESSER WELL AT NR JOHNSON FL	29 37 20	081 59 53	01	83-05-18 83-09-15	84.08 84.15
293744081541601	P15 10S24E16 GRASSY LK WELL AT INTERLACHEN FL	29 37 44	081 54 16	01	83-05-18 83-09-15	76.87 76.79
293806081544901	P16 10S24E08 KELLER WELL 11 AT INTERLACHEN FL	29 38 06	081 54 49	01	83-05-18 83-09-16	77.73 76.44
293909081405401	93914001 10S26E03 POLICE RANGE AT PALATKA FL	29 39 09	081 40 54	01	83-05-18 83-09-19	24.34 25.21
293913081384001	93913801 10S26E01 AT PALATKA FL	29 39 13	081 38 40	01	83-05-18 83-09-19	25.44 25.61
293933081342801	93913411 10S27E04 P-172 CRACKER SWAMP E PALATKA FL	29 39 33	081 34 30	01	83-05-19 83-09-20	16.43 19.81
294034081431001	94014301 09S26E32 DAVIS WELL SPRINGSIDE FL	29 40 34	081 43 10	01	83-05-18 83-09-19	32.00 25.10
294055081354501	P77 09S27E MECHECK FARMS E PALATKA FL	29 40 55	081 35 45	01	83-05-16 83-09-12	21.32 24.52
294144081341801	94113401 09S27E-- 41-34-4 MURPHEY NR E PALATKA FL	29 41 44	081 34 18	01	83-05-19 83-09-20	15.90 17.00
294210081324006	94213201 09S27E-- 42-32-6 HASTINGS FL	29 42 10	081 32 40	06	83-05-19 83-09-20	17.80 21.00
294308082002201	DRAINAGE WELL SWAN LK NR MELROSE FL	29 43 08	082 00 22	01	83-05-18 83-09-15	87.77 87.67
294356081525801	94315201 09S24E10 W9 1593 AT FLORAHOME FL	29 43 56	081 52 58	01	83-05-18 83-09-19	78.46 78.39
294411081314101	94413101 09S27E12 34 HASTINGS FL	29 44 11	081 31 41	01	83-05-19 83-09-20	20.60 23.50
294441081442903	94414403 09S26E06 NR FLORAHOME FL	29 44 41	081 44 29	03	83-05-18 83-09-19	57.28 57.28
294449081573301	94415701 09S23E01 PROGRESS LEAGUE NR PUTNAM HALL FL	29 44 49	081 57 33	01	83-05-18 83-09-19	84.72 84.93
294515081314001	*SJ* P10 08S27E36 FEDERAL POINT AT RIVERDALE FL	29 45 15	081 31 40	01	83-05-16 83-09-12	23.40 25.40
294553081344301	94513401 08S27E-- NO 61 AT RIVERDALE FL	29 45 53	081 34 43	01	83-05-19 83-09-19	28.20 29.70
294557081382601	94513802 08S26E30 NO 2 AT BOSTWICK FL	29 45 57	081 38 26	01	83-05-19 83-09-19	30.65 30.78
294814081345201	94813401 08S27E15 ART RIEGEL NR BOSTWICK FL	29 48 14	081 34 52	01	83-05-19 83-09-19	30.00 31.90

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

## PUTNAM COUNTY

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
293801081383001 - CITY OF PALATKA NO 5 AT PALATKA, FL (LAT 29 38 01 LONG 081 38 30)											
NOV , 1982						FEB , 1983					
30...	1015	--	--	920	190	01...	1100	--	--	910	200
293805081382901 - T10SR26E PALATKA OLD NO 7 AT PALATKA, FL (LAT 29 38 05 LONG 081 38 29)											
MAR , 1983						JUN , 1983					
31...	1015	400	--	960	210	30...	0950	400	1020	--	200
APR						SEP					
29...	1130	400	--	968	210	30...	1005	400	970	--	220
MAY											
31...	1430	400	--	1010	210						
293910081405601 - PALATKA NO 1-NEW FIELD AT PALATKA, FL (LAT 29 39 10 LONG 081 40 56)											
MAY , 1983						SEP , 1983					
31...	1500	--	--	660	110	30...	1030	--	620	--	100
JUN											
30...	1010	--	645	--	81						
293910081405650 - COMPOSITE - PALATKA NEW WELL FIELD AT PALATKA, FL (LAT 29 39 10 LONG 081 40 56)											
MAR , 1983						APR , 1983					
31...	1045	--	--	650	110	29...	--	--	--	610	100

WATER RESOURCES DATA FOR FLORIDA, 1983  
Volume 1B: Northeast Florida

KEY TO SITE LOCATIONS ON FIGURE 21  
ST. JOHNS COUNTY

Index number	Site number	Page number
1	293729081221201	153
2	294120081292001	153
3	295502081175401	154
4	295713081203401	154
5	300717081381001	155
6	300758081230501	155

WATER RESOURCES DATA FOR FLORIDA, 1983  
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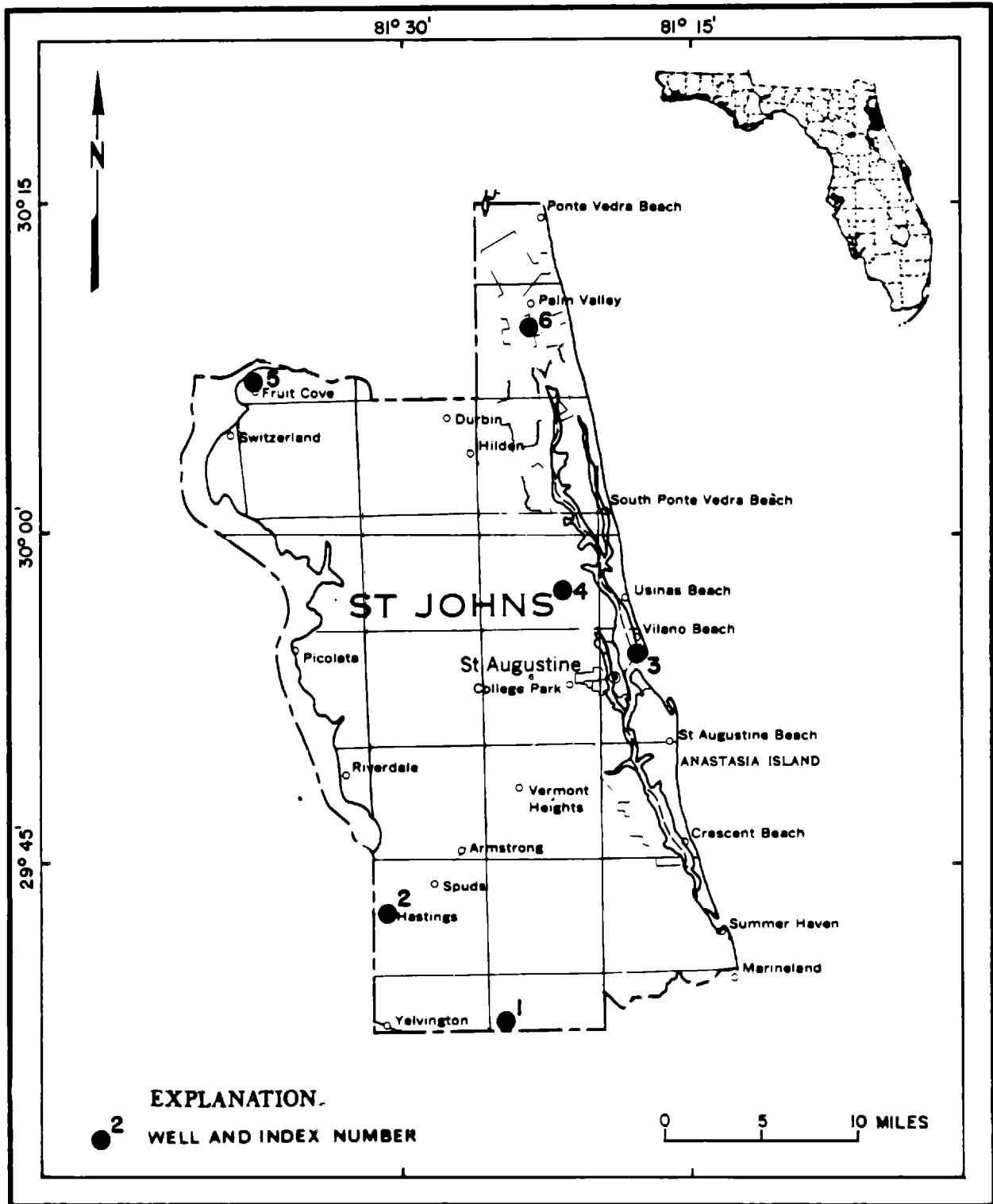


Figure 21. Location of wells in St. Johns County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ST. JOHNS COUNTY

WELL NUMBER.--293729081221201. Local Number St. Johns 937-122-1. Florida Department of Transportation Well near Hastings, FL.

LOCATION.--Lat 29°37'29", long 81°22'12", in SW¼SW¼ sec.15, T.10 S., R.29 E., Hydrologic Unit 03080103, on Old Dixie Highway, 50 ft north of Flagler-St. Johns County line, and 12 mi southeast of Hastings.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 622 ft, cased to 142 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 4.17 ft above land-surface datum.

DATUM.--Land-surface datum is 37.93 ft National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.34 ft NGVD, Sept. 11, 1960; lowest 11.46 ft NGVD, May 18, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.83	17.81	17.55	17.70	17.72	18.39	18.60	17.09	16.11	16.96	16.57	17.16
10	17.92	17.80	17.71	17.91	18.10	18.62	18.19	17.01	16.36	17.14	16.69	17.15
15	18.04	17.68	17.86	17.88	18.09	18.74	18.22	16.40	16.64	17.11	16.87	17.16
20	17.94	17.70	17.92	17.83	18.15	18.82	18.17	16.44	16.72	17.00	17.01	17.26
25	18.03	17.59	17.64	17.72	18.40	18.64	18.48	16.22	16.87	16.76	16.96	17.42
EOM	17.79	17.61	17.49	17.80	18.69	18.81	17.84	16.28	16.83	16.67	17.19	17.72
MEAN	17.91	17.74	17.68	17.78	18.15	18.67	18.35	16.63	16.55	16.93	16.87	17.30
MAX	18.04	17.96	18.03	17.96	18.69	19.16	18.88	17.50	16.87	17.14	17.20	17.72
MIN	17.76	17.51	17.41	17.53	17.72	18.36	17.84	16.11	16.11	16.67	16.57	17.15
WTR YR 1983	MEAN	17.54	MAX	19.16	MAR 18	MIN	16.11	MAY 28	AND OTHERS			

WELL NUMBER.--294120081292001. Local Number St. Johns 941-129-7. D. A. Reid Well near Hastings, FL.

LOCATION.--Lat 29°41'20", long 81°29'20", in SW¼NW¼SW¼ sec. 28, T.9 S., R.28 E., Hydrologic Unit 03080103, in a field on south side of State Highway 13, 2.4 mi southeast of intersection of State Highways 207 and 13 at Hastings.

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

WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 6 in, depth 541 ft, cased to 118 ft.

INSTRUMENTATION.--Pressure gage or tape measured. Measuring point: Top of 6 in tee, 1.00 ft above land-surface datum.

DATUM.--Land-surface datum is 12.93 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1955-56 (annually), 1957-63 (bimonthly), 1964-69 (annually), 1970 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.33 ft NGVD, Sept. 15, 1960; lowest measured, 1.42 ft NGVD, May 1, 1968.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
20...	1130	18.23	02...	1335	11.49
DEC			16...	1200	12.84
08...	1130	15.83	JUL		
JAN			07...	1205	15.73
19...	1135	16.78	SEP		
MAR			13...	1130	16.83
21...	1235	19.93			

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ST. JOHNS COUNTY

WELL NUMBER.--295502081175401. Local Number SJ-91. P. J. Mancy Well near St. Augustine, FL.

LOCATION.--Lat 29°55'02", long 81°17'54", in NE¼NE¼NE¼ sec.8., T.7 S., R.30 E., Hydrologic Unit 03080201, 150 ft north of State Highway 1A1A, and 150 ft east of Vilano Beach Bridge, and 2.5 mi northeast of St. Augustine.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 6 in, depth 198 ft, cased to 195 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 6 in tee, 2.70 ft above land-surface datum.

DATUM.--Land-surface datum is 5.09 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1977 to September 1980 (semiannually), May 1981 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 29.20 ft NGVD, May 13, 1980, lowest measured 17.50 ft NGVD, May 6, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1100	26.60	17...	1035	25.00
NOV			31...	1115	24.90
29...	1110	26.20	JUN		
DEC			28...	1240	25.10
27...	1025	26.00	JUL		
JAN			28...	1105	24.20
24...	1200	26.50	AUG		
FEB			29...	0920	23.40
28...	1010	29.00	SEP		
MAR			12...	1215	23.90
23...	1310	27.40			
APR					
29...	1040	27.30			

WELL NUMBER.--295713081203401. Local Number SJ-89. Airport Well near St. Augustine, FL.

LOCATION.--Lat 29°57'13", long 81°20'34", in land grant 50, T.6 S., R.29 E., Hydrologic Unit 03080201, in pump-house at St. Augustine Airport on U.S. Highway 1, 2.5 mi north of St. Augustine.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 4 in, depth 350 ft, cased to 190 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 4 in tee at land-surface datum.

DATUM.--Altitude of land-surface datum is 10 ft, from topographic map.

PERIOD OF RECORD.--1978 to 1980 (annually), May 1981 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.40 ft above land-surface datum Feb. 28, 1983; lowest measured, 16.00 ft above land-surface datum May 6, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			APR		
25...	1120	-22.60	28...	1015	-22.80
NOV			MAY		
29...	1320	-22.40	17...	1050	-22.00
DEC			31...	1310	-22.40
27...	1045	-22.50	JUN		
JAN			28...	1105	-21.60
24...	1050	-22.50	AUG		
FEB			30...	0925	-21.50
28...	1040	-23.40			
MAR					
23...	1210	-23.20			

NOTE.--Negative figures indicate water level above land surface.



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## ST. JOHNS COUNTY

WELL NUMBER.--300717081381001. Local Number SJ-15. S. L. Chavez Well near Mandarin, FL.

LOCATION.--Lat 30°07'17", long 81°38'10", in NE¼SW¼SW¼ sec. 30, T.4 S., R.27 E., Hydrologic Unit 03080103, on the north side of Fruit Cove Road, 0.6 mi west of the intersection of State Road 13 and Fruit Cove Road, 3.7 mi south of Mandarin Post Office.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 3 in, depth 580 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Top of 3 in tee, 1.20 ft above land-surface datum.

DATUM.--Altitude of land-surface datum is 8.0 ft, from topographic map.

PERIOD OF RECORD.--1974, 1977 to 1980 (semiannually), May 1981 to current year (monthly).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.90 ft above land-surface datum, May 12, 1980; lowest measured, 21.30 ft above land-surface datum, May 6, 1981.

## WATER LEVEL, IN FEET, BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)
OCT			APR		
25...	1245	-29.20	28...	1250	-30.20
NOV			MAY		
29...	1355	-29.50	16...	1405	-26.10
DEC			31...	1400	-27.00
27...	1125	-29.20	JUN		
JAN			28...	1025	-26.40
19...	1415	-28.50	JUL		
FEB			28...	0955	-26.60
28...	1115	-30.50	AUG		
MAR			29...	1210	-25.30
23...	1505	-30.70			

NOTE.--Negative figures indicate water level above land surface

WELL NUMBER.--300758081230501. Local Number SJ-5. G. Oesterreicher Well near Palm Valley, FL.

LOCATION.--Lat 30°07'58", long 81°23'05", in land grant 54, T.4 S., R.29 E., Hydrologic Unit 03080201, 100 ft east of the Intracoastal Waterway, 250 ft northwest of State Highways 210 and 210A, and 2.8 mi south of Palm Valley.

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

WELL CHARACTERISTICS.--Drilled, domestic, artesian well, diameter 6 in, depth 350 ft, cased to 180 ft.

INSTRUMENTATION.--Pressure gage. Measuring point: Faucet at northwest corner of pumphouse, 3.50 ft above land-surface datum.

DATUM.--Land-surface datum is 4.53 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1934, 1940, 1944 to 1946 (annually) 1947 to 1963 (bimonthly), 1964 to 1980 (annually), May 1981 to current year (monthly). Records of water levels prior to 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.73 ft NGVD, Nov. 9, 1948; lowest measured, 30.13 ft NGVD, June 29, 1981.

## ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
25...	1025	37.43	17...	1240	37.20
NOV			31...	1040	36.63
29...	1035	38.43	JUN		
DEC			28...	1310	36.23
27...	0955	39.73	JUL		
JAN			28...	1030	36.23
24...	1300	37.83	AUG		
FEB			29...	1015	36.93
28...	0935	38.83	SEP		
MAR			12...	1345	35.53
25...	1445	39.23			
APR					
28...	1345	38.83			

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

## ST. JOHNS COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
294334081270801	SJ-84 FORTNER NR SPUDS FL	29 43 34	081 27 08	01	83-09-13	47.91
294518081181401	SJ-0102 DUPONT CENTER TOWER	29 45 18	081 18 14	01	83-09-12	25.40
294518081181402	SJS-0055 SAWGRASS ESTATES	29 45 18	081 18 14	02	83-09-12	25.40
294602081151901	SJ-94 HOWARD AT CRESCENT BEACH FL	29 46 02	081 15 19	01	83-05-17 83-09-12	30.78 30.78
294702081263201	94712601 SJRWMD WELL AT ELKTON FL	29 47 02	081 26 32	01	83-05-16 83-09-13	30.78 30.78
294855081324801	SJ-81 KIGHTI AT RIVERDALE FL	29 48 55	081 32 48	01	83-05-16	22.70
294927081161601	SJ-93 ST AUGUSTINE BCH & TENNIS RESORT	29 49 27	081 16 16	01	83-09-12	62.12
294927081192501	SJ-97 CORBETT NR MOULTRIE CREEK	29 49 27	081 19 25	01	83-05-17 83-09-12	62.12 62.12
295040081333201	SJ-80 CANNON NR TOCOI POINT QUAD 54	29 50 40	081 33 32	01	83-05-16 83-09-13	26.40 32.30
295106081300501	SJ-101 MOLASSES JUNCTION	29 51 06	081 30 05	01	83-09-13	30.40
295132081164801	SJ-92 ANASTASIA WATER PLANT	29 51 32	081 16 48	01	83-05-17 83-09-12	20.00 17.60
295333081191401	SJ-90 MARSH NR ST AUGUSTINE FL	29 53 33	081 19 14	01	83-05-17 83-09-12	21.60 20.20
295341081263705	SJ-112E CABBAGE HAMMOCK	29 53 41	081 26 37	05	83-05-16 83-09-13	29.16 31.31
295357081294301	SJ-77 DIVISION OF FORESTRY NR BAKERSVILLE FL	29 53 57	081 29 43	01	83-05-16 83-09-13	27.60 31.00
295556081342101	SJ-19 KELLY NR SIX MILE CREEK	29 55 56	081 34 21	01	83-09-13	34.20
295906081334501	SJ-11 CHESSER NR TROUT CREEK	29 59 06	081 33 45	01	83-09-14	33.00
300019081363301	SJ-3 PEACOCK NR ORANGEDALE FL	30 00 19	081 36 33	01	83-09-13	27.70
300036081213501	SJ-88 CHARD NR STOKEE CREEK	30 00 36	081 21 35	01	83-09-12	34.30
300307081234201	SJ-99 BOREHOLE MINE ON PINE ISLAND RD	30 03 07	081 23 42	01	83-05-17 83-09-12	40.40 40.20
300322081342801	SJ-24 TRINITY BAPTIST MISSION CENTER	30 03 22	081 34 28	01	83-09-14	36.35
300341081395401	SJ-12 GOODMAN NR SWITZERLAND FL	30 03 41	081 39 54	01	83-09-14	35.00
300354081301201	SJ-26 WILSON NR SAMPSON FL	30 03 54	081 30 12	01	83-05-16 83-09-14	39.41 39.40
300632081334301	SJ-27 LAND DEVELOPMENT CO NR DURBIN FL	30 06 32	081 33 43	01	83-05-16 83-09-14	39.70 39.10
301005081225901	SJ-55 SAWGRASS NR PALM VALLEY FL	30 10 05	081 22 59	01	83-05-17 83-09-13	24.50 19.30
301037081243901	SJ-10 DEE DOT RANCH AT LAKE FLORENCE	30 10 37	081 24 39	01	83-09-16	32.60
301212081252401	SJ-63 DEE DOT RANCH AT BULL PEN	30 12 12	081 25 24	01	83-09-16	41.05
301249081225801	SJ-122 PALM VALLEY SCHOOL AT PALM VALLEY FL	30 12 49	081 22 58	01	83-05-17 83-09-12	34.25 31.45
301304081222701	SJ-0103 PONTE VEDRA UTILITIES AT S PLANT	30 13 04	081 22 27	01	83-09-13	23.90
301408081253101	SJ-60 DEE DOT RANCH AT CRACKER LODGE	30 14 08	081 25 31	01	83-09-16	33.20
301411081224201	SJ-47 PONTE VEDRA WATER PLANT AT GOLF COURSE	30 14 11	081 22 42	01	83-05-17 83-09-13	29.60 37.30
301458081230301	SJ-48 PONTE VEDRA CLUB AT PONTE VEDRA BCH FL	30 14 58	081 23 03	01	83-05-17	32.20

WATER RESOURCES DATA FOR FLORIDA, 1983  
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KEY TO SITE LOCATIONS ON FIGURE 22  
SEMINOLE COUNTY

Index number	Site number	Page number
1	284147081220201	159
2	284750081132301	159

WATER RESOURCES DATA FOR FLORIDA, 1983  
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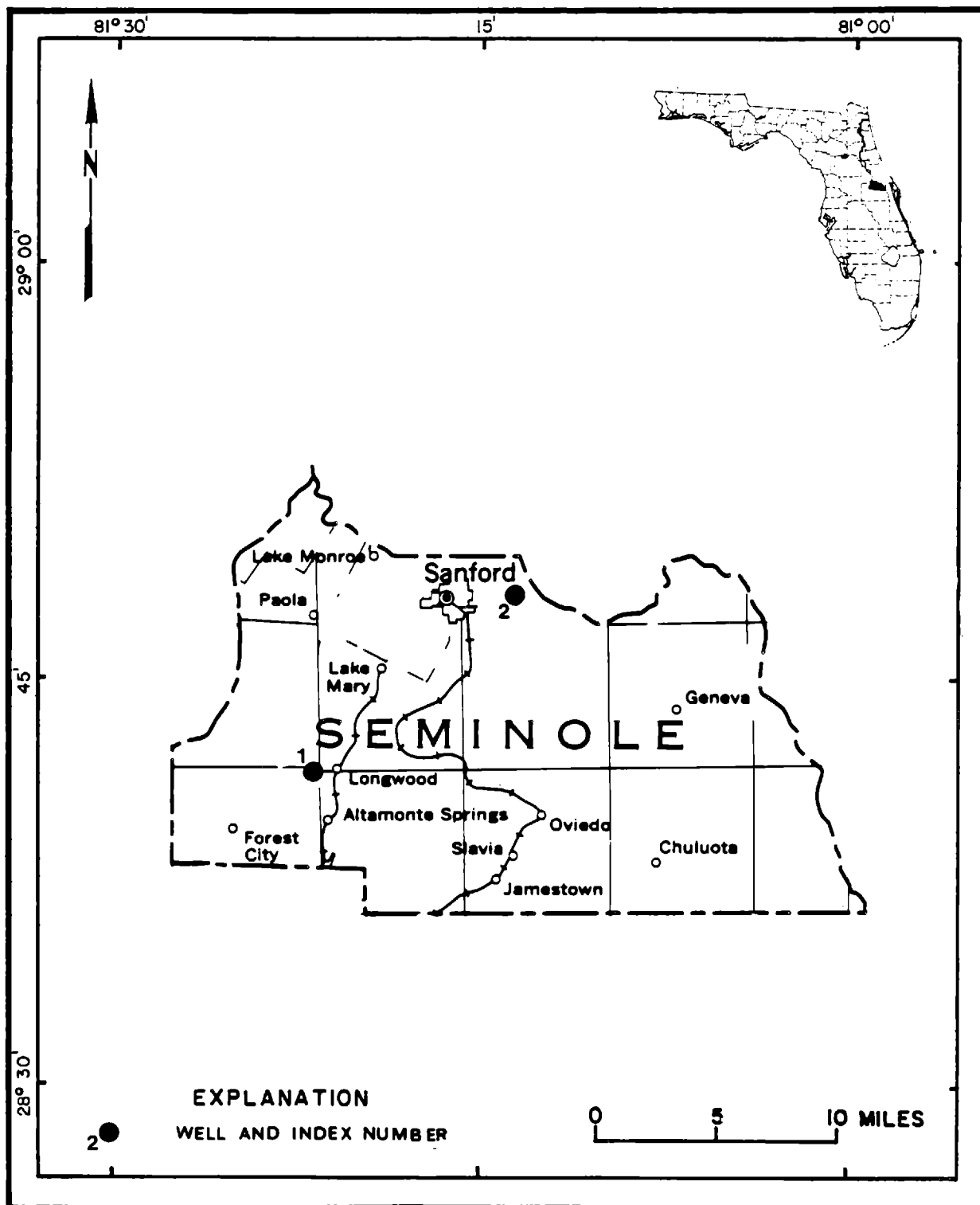


Figure 22. Location of wells in Seminole County.

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

SEMINOLE COUNTY

WELL NUMBER.--284147081220201. Local Number 841-121-01. USGS Observation Well SEM125 at Longwood, FL.  
 LOCATION.--Lat 28°41'47", long 81°22'02", in NW¼NE¼ sec.1, T.21 S., R.29 E., Hydrologic Unit 03080101, 500 ft south of State Highway 434, at a point 1.3 mi west of State Highway 427 in Longwood.  
 AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 146 ft, cased to 63 ft.  
 INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 3.00 ft above land-surface datum.  
 DATUM.--Land-surface datum is 85.69 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--October 1951 to September 1952 (monthly); November 1952 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 55.80 ft NGVD, Sept. 30, 1960; lowest, 35.83 ft NGVD, June 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
 MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	44.25	---		42.72	---	43.61	44.02	43.96	42.24	44.22	42.89	43.89
10	44.24	43.53		42.66	43.32	43.91	44.24	42.64	43.53	44.33	44.33	42.97
15	44.23	43.29		42.12	43.97	43.71	44.09	42.18	---	42.80	44.58	43.38
20	43.81	43.09		42.34	44.01	44.16	44.21	41.62	---	42.16	43.94	43.53
25	43.99	---		42.73	---	44.13	44.50	40.83	---	41.62	43.40	43.45
EOM	---	---		42.52	---	44.23	43.69	42.25	43.21	42.85	42.97	43.01
MAX	---	---		---	---	---	44.50	43.96	---	---	44.58	43.89

WELL NUMBER.--284750081132301. Local Number 847-113-06. Observation Well Seminole 257 near Sanford, FL.  
 LOCATION.--Lat 28°47'50", Long 81°13'23", in NE¼SE¼NW¼ sec.33, T.19 S., R.31 E., Hydrologic Unit 03080101, on west side of Beardall Avenue, 0.3 mi north of State Highway 46, and 3 mi east of Sanford.  
 AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, unused, artesian well, diameter 6 in, depth 206 ft, casing length unknown.  
 INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 7.00 ft above land-surface datum.  
 DATUM.--Land-surface datum is 18.61 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--December 1951 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.45 ft NGVD, Oct. 10, 1953; lowest measured, 16.66 ft NGVD, May 18, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
NOV			JUL		
05...	1520	22.73	07...	0748	22.51
JAN			AUG		
11...	1140	22.05	18...	0934	22.55
MAR			SEP		
09...	0930	23.33	15...	1340	22.31
MAY					
04...	0910	23.21			
18...	0915	22.64			

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

## SEMINOLE COUNTY

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
283717081194201	83711906 21S30E33 PHILLIPS WELL NR CASSELBERRY FL	28 37 17	081 19 42	01	83-05-20	46.80
283740081031401	83710302 21S33E30 LEE WELL 879 NR CHULUOTA FL	28 37 40	081 03 14	01	83-05-20 83-09-14	26.90 27.55
283754081154301	83711502 21S31E30 WOODS WELL NR JAMESTOWN FL	28 37 54	081 15 43	01	83-05-18 83-09-15	44.67 46.55
283806081123701	83811204 21S31E27 JACKSON WELL NR JAMESTOWN FL	28 38 06	081 12 37	01	83-05-17 83-09-14	37.53 38.31
283843081075501	83810706 21S32E20 GREEN WELL AT CHULUOTA FL	28 38 43	081 07 55	01	83-05-16 83-09-14	31.45 31.70
283849081273401	83812702 21S29E19 ECOLOGICAL UTIL NR FOREST CTY FL	28 38 49	081 27 34	01	83-05-19 83-09-16	50.59 53.48
283901081135901	83811401 21S31E20 JACKSON WELL AT SLAVIA FL	28 39 01	081 13 59	01	83-05-17 83-09-15	38.57 39.51
283920081232501	83912302 21S29E14' SPAN.TRACE APTS ALTAMONTE SPGS FL	28 39 20	081 23 25	01	83-05-18 83-09-15	45.16 47.86
283937081190301	83911903 21S30E16 SEMINOLE CO WELL CASSELBERRY FL	28 39 37	081 19 03	01	83-05-20 83-09-15	45.39 47.60
283945081071901	83910702 21S32E16 BROWN WELL NR CHULUOTA FL	28 39 45	081 07 19	01	83-05-16 83-09-14	25.40 25.52
283956081040201	83910402 21S32E13 YARBOROUGH WELL NE OF CHULUOTA FL	28 39 56	081 04 02	01	83-05-16 83-09-14	16.91 16.46
283958081203401	84012002 21S30E17 WELL AT CASSELBERRY FL	28 39 58	081 20 34	01	83-05-18 83-09-15	49.01 51.16
284012081264601	84012603 21S29E07 BENTON INC WELL NR FOREST CTY FL	28 40 12	081 26 46	01	83-05-19 83-09-16	46.71 49.99
284023081241001	84012403 21S29E10 USGS WELL AT ALTAMONTE SPRINGS FL	28 40 23	081 24 10	01	83-05-19 83-09-16	35.37 36.42
284025081123001	84011201 21S31E10 WELL AT OVIEDO FL	28 40 25	081 12 30	01	83-05-17 83-09-14	34.96 35.77
284043081054401	84010501 YARBOROUGH HUNT CAMP WELL NR GENEVA FL	28 40 43	081 05 44	01	82-10-12	17.24
284112081065001	84110601 21S32E03 LEE WELL NR CHULUOTA FL	28 41 12	081 06 50	01	83-05-16 83-09-14	18.61 18.74
284120081152201	84111501 21S31E06 BOUILLON WELL WINTER SPRINGS FL	28 41 20	081 15 22	01	83-05-17 83-09-15	40.28 41.28
284123081261301	84112601 21S29E05 CRANDELL WELL NR ALTAMONTE SPGS FL	28 41 23	081 26 13	01	83-05-19 83-09-16	42.55 46.21
284125081131701	84111301 21S31E04 CURTIS MANN WELL NR OVIEDO FL	28 41 25	081 13 17	01	83-05-17 83-09-15	31.70 32.30
284207081111601	SOISTMAN TEST WELL ELM ST BK HAMMOCK NR OVIEDO FL	28 42 07	081 11 16	01	83-09-15	28.70
284207081174401	84211703 20S30E35 NEELY WELL WINTER SPRINGS FL	28 42 07	081 17 44	01	83-05-17 83-09-15	35.34 35.72

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

SEMINOLE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
284217081023001	KILBEE 3 TEST WELL NR ST JOHNS RIVER NR GENEVA FL	28 42 17	081 02 30	01	82-10-11 83-05-19 83-09-15	11.88 8.73 9.00
284231081160801	84211604 20S30E36 S D CROOK WELL WINTER SPRINGS FL	28 42 31	081 16 08	01	83-05-17 83-09-15	36.46 37.21
284233081045202	KILBEE 2 TEST NR ST JOHNS RIVER NR GENEVA FL	28 42 33	081 04 52	02	82-10-11	16.02
284233081113301	84211110 20S31E35 WELL NR OVIEDO FL	28 42 33	081 11 33	01	83-09-15	25.40
284244081073501	84210702 20S32E33 BUCK LAKE WELL NR GENEVA FL	28 42 44	081 07 35	01	83-05-16	20.32
284244081234901	84212302 20S29E34 QUARTEL WELL NR LAKE MARY FL	28 42 44	081 23 49	01	83-05-19 83-09-16	35.80 38.40
284310081101901	84311001 20S31E25 FISH HATCHERY WELL NR OVIEDO FL	28 43 10	081 10 19	01	83-05-18 83-09-15	19.92 20.82
284316081195201	84311905 20S30E29 V G HASTY WELL AT LONGWOOD FL	28 43 16	081 19 52	01	83-05-18 83-09-16	38.22 39.82
284317081213401	MARTIN MARIETTA WELL NR LONGWOOD FL	28 43 17	081 21 34	01	83-09-16	40.06
284325081092701	TEST WELL COCHRAN FOREST WEST NR GENEVA FL	28 43 25	081 09 27	01	82-10-12	19.17
284325081092702	SHALLOW WELL COCHRAN FOREST WEST NR GENEVA FL	28 43 25	081 09 27	02	82-10-12	15.70
284331081031001	84310302 20S33E30 PECOR WELL NR GENEVA FL	28 43 31	081 03 10	01	83-05-18 83-09-15	11.68 12.92
284356081065801	84310606 20S32E21 YARDBOROUGH WELL AT GENEVA FL	28 43 56	081 06 58	01	83-05-18 83-09-15	18.93 19.50
284403081165101	84411601 20S30E24 SCHUMACKER WELL NR LAKE MARY FL	28 44 03	081 16 51	01	83-05-18 83-09-15	29.31 30.26
284428081072602	USGS AVENUE C 1.25-IN INNER MONITOR AT GENEVA FL	28 44 28	081 07 26	02	83-09-15	15.86
284428081072603	USGS AVENUE C 6-IN ANNULAR MONITOR AT GENEVA FL	28 44 28	081 07 26	03	83-05-19 83-09-15	15.11 15.54
284428081155201	LARGENT WELL SANFORD AVE NR LAKE MARY FL	28 44 28	081 15 52	01	83-05-18 83-09-15	28.25 28.95
284434081050101	84410503 POT MAP WELL NR LK HARNEY AT GENEVA FL	28 44 34	081 05 01	01	83-05-18 83-09-15	14.18 14.22
284435081225801	84412201 20S29E14 OLSON WELL NR LAKE MARY FL	28 44 35	081 22 58	01	83-05-19 83-09-15	36.62 37.53
284440081175901	84411722 20S30E15 WELL NR LAKE MARY FL	28 44 40	081 17 59	01	83-05-18 83-09-15	36.02 37.09
284442081052401	WINONA DR TEST WELL NR GENEVA FL	28 44 42	081 05 24	01	82-10-11	14.82
284532081190501	84511905 20S30E09	28 45 32	081 19 05	01	83-05-18	38.60
284533081204801	84512005 20S30E08 THE FOREST AT LAKE MARY FL	28 45 33	081 20 48	01	83-05-18 83-09-15	36.27 37.28

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

## SEMINOLE COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
284550081071501	84510703 CAMERON WELL NR GENEVA FL	28 45 50	081 07 15	01	82-10-11 83-05-18 83-09-15	14.58 13.72 13.64
284618081095401	84610902 20S31E12 W H WIGHT WELL NR GENEVA FL	28 46 18	081 09 54	01	83-05-18 83-09-15	14.02 14.31
284624081123501	84611202 20S31E03 L G HUNTER WELL NR SANFORD FL	28 46 24	081 12 35	01	83-05-18 83-09-15	21.26 21.69
284626081051801	K RD TEST WELL OSCEOLA RD NR GENEVA FL	28 46 26	081 05 18	01	82-10-11 83-05-19 83-09-15	14.57 13.22 13.72
284645081152401	84611515 20S31E06 WELL AT SANFORD FL	28 46 45	081 15 24	01	83-05-18 83-09-15	31.48 32.27
284651081193301	84611902 20S30E04 SOUTHWRD FRT AT LAKE MARY FL	28 46 51	081 19 33	01	83-05-18 83-09-15	32.55 33.56
284706081070801	84710703 THRASHER PASTURE WELL NR GENEVA FL	28 47 06	081 07 08	01	82-10-11 83-05-18 83-09-15	12.26 11.55 11.23
284712081044301	84710401 CO LANDFILL OSCEOLA RD NR GENEVA FL	28 47 12	081 04 43	01	82-10-11 83-05-18 83-09-15	12.44 11.31 11.32
284802081192701	WELL JORDAN BAPTIST UPSALA RD NR LAKE MARY FL	28 48 02	081 19 27	01	83-05-18 83-09-15	28.51 29.68
284802081211101	84812106 19S30E31 HARDSTOCKWELL WILSON AV LK MARY FL	28 48 02	081 21 11	01	83-05-19 83-09-15	33.31 34.45
284802081242101	VIA HERMOSA WELL NR LAKE MARY FL	28 48 02	081 24 21	01	83-05-19 83-09-15	26.17 26.70
284909081052101	84910501 19S32E23 MCCALL WELL NR GENEVA FL	28 49 09	081 05 21	01	83-05-18 83-09-15	10.42 10.17
284945081244201	84912407 19S29E39 C FERNANDEZ WELL NR LK MONROE FL	28 49 45	081 24 42	01	83-05-19 83-09-15	14.25 14.58
284954081201101	ANDERSON WELL MISSOURI ST AT LAKE MONROW FL	28 49 54	081 20 11	01	83-05-19 83-09-15	27.20 28.50
285002081215101	85012101 19S29E38 STEVE CAIN WELL NR LK MONROW FL	28 50 02	081 21 51	01	83-05-19 83-09-15	25.86 27.46



GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

SEMINOLE COUNTY

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE (DEG C) (00010)	HARD- NESS (MG/L CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	
284043081054401 - 84010501 YARBOROUGH HUNT CAMP WELL NEAR GENEVA, FL (LAT 28 40 43 LONG 081 05 44)										
OCT , 1982	12...	1200	78	--	8250	6.8	7.4	22.3	917	735
284111081063401 - 84110602 YARBOROUGH SECTION 3 WELL NEAR GENEVA, FL (LAT 28 41 11 LONG 081 06 34)										
OCT , 1982	12...	1100	90	--	558	6.4	7.4	22.3	267	3
284133081085501 - MCNAIR WELL C426 NEAR OVIEDO, FL (LAT 28 41 33 LONG 081 08 55)										
OCT , 1982	14...	1525	230	--	6650	7.1	7.6	25.5	728	603
284146081092201 - NORMAN WELL WALSH ST NEAR OVIEDO, FL (LAT 28 41 46 LONG 081 09 22)										
OCT , 1982	14...	1545	90	--	7320	7.1	7.6	24.2	835	713
284150081084601 - COLEMAN DEEP WELL GENOVA WOODS NEAR GENEVA, FL (LAT 28 41 50 LONG 081 08 46)										
OCT , 1982	12...	0940	160	--	7020	6.7	7.6	23.2	769	642
284152081084801 - COLEMAN SHALLOW WELL GENOVA WOODS NEAR GENEVA, FL (LAT 28 41 52 LONG 081 08 48)										
OCT , 1982	12...	0930	55	--	698	6.4	7.6	22.8	180	6
284210081065601 - SNOW HILL MOBILE HOME WELL NEAR GENEVA, FL (LAT 28 42 10 LONG 081 06 56)										
OCT , 1982	12...	1230	--	--	332	6.6	7.7	26.3	151	19
284217081023001 - KILBEE NO 3 TEST WELL NEAR ST JOHNS RIVER NEAR GENEVA, FL (LAT 28 42 17 LONG 081 02 30)										
OCT , 1982	11...	1525	--	--	15400	6.8	7.3	23.5	2076	1938
284219081074001 - 84210701 LADD WELL C426 NEAR GENEVA, FL (LAT 28 42 19 LONG 081 07 40)										
OCT , 1982	14...	1510	101	--	411	7.0	7.2	23.8	193	0
284233081045202 - KILBEE NO 2 TEST WELL NEAR ST JOHNS RIVER NEAR GENEVA, FL (LAT 28 42 33 LONG 081 04 52)										
OCT , 1982	11...	1615	--	--	3370	6.9	7.5	22.8	371	139
284243081053301 - 84210501 KILBEE RANCH COWPENS WELL NEAR GENEVA, FL (LAT 28 42 43 LONG 081 05 33)										
OCT , 1982	11...	1640	110	--	445	6.4	7.4	24.3	199	0

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

SEMINOLE COUNTY--Continued

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
284043081054401 - 84010501 YARBOROUGH HUNT CAMP WELL NEAR GENEVA, FL (LAT 28 40 43 LONG 081 05 44)								
OCT , 1982								
12...	120	150	1400	45	183	380	2500	40
284111081063401 - 84110602 YARBOROUGH SECTION 3 WELL NEAR GENEVA, FL (LAT 28 41 11 LONG 081 06 34)								
OCT , 1982								
12...	87	12	28	2.0	264	3.0	20	350
284133081085501 - MCNAIR WELL C426 NEAR OVIEDO, FL (LAT 28 41 33 LONG 081 08 55)								
OCT , 1982								
14...	110	110	1100	35	125	320	2000	70
284146081092201 - NORMAN WELL WALSH ST NEAR OVIEDO, FL (LAT 28 41 46 LONG 081 09 22)								
OCT , 1982								
14...	120	130	1300	40	123	360	2300	110
284150081084601 - COLEMAN DEEP WELL GENOVA WOODS NEAR GENEVA, FL (LAT 28 41 50 LONG 081 08 46)								
OCT , 1982								
12...	110	120	1200	35	127	32	2100	270
284152081084801 - COLEMAN SHALLOW WELL GENOVA WOODS NEAR GENEVA (LAT 28 41 52 LONG 081 08 48)								
OCT , 1982								
12...	54	11	68	4.4	174	20	100	1500
284210081065601 - SNOW HILL MOBILE HOME WELL NEAR GENEVA, FL (LAT 28 42 10 LONG 081 06 56)								
OCT , 1982								
12...	54	4.0	8.0	2.9	133	17	15	150
284217081023001 - KILBEE NO 3 TEST WELL NEAR ST JOHNS RIVER NEAR GENEVA, FL (LAT 28 42 17 LONG 081 02 30)								
OCT , 1982								
11...	320	310	2700	380	139	800	4800	110
284219081074001 - 84210701 LADD WELL C426 NEAR GENEVA, FL (LAT 28 42 19 LONG 081 07 40)								
OCT , 1982								
14...	75	1.4	6.3	.5	205	1.0	9.5	2300
284233081045202 - KILBEE NO 2 TEST WELL NEAR ST JOHNS RIVER NEAR GENEVA, FL (LAT 28 42 33 LONG 081 04 52)								
OCT , 1982								
11...	63	52	550	24	233	160	810	10
284243081053301 - 84210501 KILBEE RANCH COWPENS WELL NEAR GENEVA, FL (LAT 28 42 43 LONG 081 05 33)								
OCT , 1982								
11...	77	1.6	7.7	1.3	203	2.0	10	3100

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

SEMINOLE COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE (DEG C) (00010)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	
284247081070601 - PELLARIN WELL OLD MIMS RD NEAR GENEVA, FL (LAT 28 42 47 LONG 081 07 06)										
OCT , 1982	14...	1450	188	--	352	7.2	7.6	23.8	160	0
284300081045801 - 84310401 CONLEY WELL JUNGLE RD GENEVA, FL (LAT 28 43 00 LONG 081 04 58)										
OCT , 1982	14...	1355	71	--	779	7.2	7.7	24.3	194	0
284312081045101 - JEPSON STORE WELL SR46 NEAR GENEVA, FL (LAT 28 43 12 LONG 081 04 51)										
OCT , 1982	14...	--	--	--	849	7.0	7.4	23.3	191	16
284317081085701 - WELL COCKRAN FOREST MIDDLE NEAR GENEVA, FL (LAT 28 43 17 LONG 081 08 57)										
NOV , 1982	23...	1430	35	550	581	6.7	7.1	--	259	--
284320081051201 - WILSON WELL SR46 NEAR GENEVA, FL (LAT 28 43 20 LONG 081 05 12)										
OCT , 1982	14...	1430	--	--	272	7.2	7.7	24.3	121	0
284322081084401 - DAVIDSON SHALLOW WELL COCHRAN RD NEAR GENEVA, FL (LAT 28 43 18 LONG 081 08 44)										
OCT , 1982	12...	1415	--	--	622	6.6	7.5	22.8	162	17
284325081092701 - TEST WELL COCHRAN FOREST WEST NEAR GENEVA, FL (LAT 28 43 25 LONG 081 09 27)										
OCT , 1982	12...	1330	--	--	4380	6.8	7.5	21.8	495	376
284325081092702 - SHALLOW WELL COCHRAN FOREST WEST NEAR GENEVA, FL (LAT 28 43 25 LONG 081 09 27)										
OCT , 1982	12...	1350	38	--	4220	6.8	7.9	22.3	399	289
284331081052401 - HILLSIDE SOD FARM WELL SR 46 NEAR GENEVA, FL (LAT 28 43 31 LONG 081 05 24)										
OCT , 1982	14...	1415	250	--	293	7.1	7.7	24.8	131	0
284409081070901 - BRADY WELL NEAR GENEVA, FL (LAT 28 44 09 LONG 081 07 09)										
OCT , 1982	14...	1155	149	--	267	7.0	8.0	23.7	110	15
284411081065801 - YARBOROUGH HOME WELL NEAR GENEVA, FL (LAT 28 44 04 LONG 081 06 58)										
OCT , 1982	14...	1230	150	--	256	7.1	7.9	24.6	111	13

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

## SEMINOLE COUNTY--Continued

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
284247081070601	- PELLARIN WELL OLD MIMS RD NEAR GENEVA, FL (LAT 28 42 47 LONG 081 07 06)							
OCT , 1982 14...	61	1.9	6.5	.4	164	1.0	10	410
284300081045801	- 84310401 CONLEY WELL JUNGLE RD GENEVA, FL (LAT 28 43 00 LONG 081 04 58)							
OCT , 1982 14...	53	15	83	3.4	195	9.0	130	890
284312081045101	- JEPSON STORE WELL SR46 NEAR GENEVA, FL (LAT 28 43 12 LONG 081 04 51)							
OCT , 1982 14...	55	13	110	3.5	175	23	170	35
284317081085701	- WELL COCKRAN FOREST MIDDLE NEAR GENEVA (LAT 28 43 17 LONG 081 08 57)							
NOV , 1982 23...	100	2.3	17	1.7	--	2.0	15	15000
284320081051201	- WILSON WELL SR46 NEAR GENEVA, FL (LAT 28 43 20 LONG 081 05 12)							
OCT , 1982 14...	46	1.4	6.0	1.0	126	<1.0	9.2	490
284322081084401	- DAVIDSON SHALLOW WELL COCHRAN RD NEAR GENEVA, FL (LAT 28 43 18 LONG 081 08 44)							
OCT , 1982 12...	51	8.5	54	2.3	146	16	92	1100
284325081092701	- TEST WELL COCHRAN FOREST WEST NEAR GENEVA, FL (LAT 28 43 25 LONG 081 09 27)							
OCT , 1982 12...	81	71	690	21	119	190	1300	<10
284325081092702	- SHALLOW WELL COCHRAN FOREST WEST NEAR GENEVA, FL (LAT 28 43 25 LONG 081 09 27)							
OCT , 1982 12...	69	55	680	28	110	170	1300	50
284331081052401	- HILLSIDE SOD FARM WELL SR 46 NEAR GENEVA, FL (LAT 28 43 31 LONG 081 05 24)							
OCT , 1982 14...	49	2.0	7.3	.4	133	1.0	9.6	470
284409081070901	- BRADY WELL NEAR GENEVA, FL (LAT 28 44 09 LONG 081 07 09)							
OCT , 1982 14...	40	2.5	6.1	2.5	95	18	10	28
284411081065801	- YARBOROUGH HOME WELL NEAR GENEVA, FL (LAT 28 44 04 LONG 081 06 58)							
OCT , 1982 14...	40	2.6	5.4	2.2	98	14	9.5	<3

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

## SEMINOLE COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE (DEG C) (00010)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	
284431081084501 - COCHRAN WELL COCHRAN RD, FL (LAT 28 44 31 LONG 081 08 45)										
OCT , 1982	12...	1455	90	--	408	6.6	7.3	23.5	183	14
284434081050101 - 84410503 POT MAP WELL NEAR LAKE HARNEY, GENEVA, FL (LAT 28 44 34 LONG 081 05 01)										
OCT , 1982	12...	1610	60	--	1350	6.8	7.4	22.3	250	204
284438081062201 - 84410602 20S32E15 N0387 PREVATT WELL NEAR GENEVA, FL (LAT 28 44 38 LONG 081 06 22)										
OCT , 1982	14...	1255	110	--	213	7.1	8.0	23.8	90	7
284438081084701 - JOHNSON DEEP WELL COCHRAN RD NEAR GENEVA, FL (LAT 28 44 38 LONG 081 08 47)										
OCT , 1982	12...	1530	160	--	676	6.7	7.5	21.8	252	47
284439081085501 - JOHNSON SHALLOW WELL NEAR GENEVA, FL (LAT 28 44 39 LONG 081 08 55)										
OCT , 1982	12...	1515	40	--	348	6.7	7.6	24.5	169	21
284442081052401 - WINONA DR TEST WELL NEAR GENEVA, FL (LAT 28 44 42 LONG 081 05 24)										
OCT , 1982	11...	1330	--	390	390	6.6	7.3	21.8	189	0
284456081073301 - HODGES WELL JACKSON RD NEAR GENEVA, FL (LAT 28 44 56 LONG 081 07 33)										
OCT , 1982	14...	1130	--	--	262	6.9	8.0	23.3	111	0
284519081081801 - 84510803 ROTUNDO WELL W SR46 NEAR GENEVA, FL (LAT 28 45 19 LONG 081 08 18)										
OCT , 1982	14...	1115	100	--	440	6.6	7.3	23.3	208	0
284520081051001 - HADDIX WELL WINONA RD NEAR GENEVA, FL (LAT 28 45 20 LONG 081 05 10)										
OCT , 1982	12...	1630	100	--	407	6.8	7.6	22.3	150	5
284526081065401 - HISAW RANCH WELL OSCEOLA RD NEAR GENEVA, FL (LAT 28 45 26 LONG 081 06 54)										
OCT , 1982	14...	1035	170	--	237	7.0	7.8	24.3	96	18
284531081051601 - VAUGHN WELL WINONA RD NEAR GENEVA, FL (LAT 28 45 31 LONG 081 05 16)										
OCT , 1982	12...	1645	70	--	360	6.8	7.4	22.2	167	0

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

SEMINOLE COUNTY--Continued

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
284431081084501 - COCHRAN WELL COCHRAN RD, FL (LAT 28 44 31 LONG 081 08 45)								
OCT , 1982 12...	70	2.1	13	.6	170	7.0	26	450
284434081050101 - 84410503 POT MAP WELL NEAR LK HARNEY GENEVA, FL (LAT 28 44 34 LONG 081 05 01)								
OCT , 1982 12...	64	22	130	6.1	47	43	290	16
284438081062201 - 84410602 20S32E15 N0387 PREVATT WELL NEAR GENEVA, FL (LAT 28 44 38 LONG 081 06 22)								
OCT , 1982 14...	35	.7	5.5	.8	83	3.0	12	53
284438081084701 - JOHNSON DEEP WELL COCHRAN RD NEAR GENEVA, FL (LAT 28 44 38 LONG 081 08 47)								
OCT , 1982 12...	96	3.0	40	1.0	206	65	53	710
284439081085501 - JOHNSON SHALLOW WELL NEAR GENEVA, FL (LAT 28 44 39 LONG 081 08 55)								
OCT , 1982 12...	65	1.5	5.1	.4	148	6.0	7.8	3500
284442081052401 - WINONA DR TEST WELL NEAR GENEVA, FL (LAT 28 44 42 LONG 081 05 24)								
OCT , 1982 11...	73	1.6	6.7	.4	189	1.0	9.5	1600
284456081073301 - HODGES WELL JACKSON RD NEAR GENEVA, FL (LAT 28 44 56 LONG 081 07 33)								
OCT , 1982 14...	42	1.6	9.6	.8	115	3.0	10	180
284519081081801 - 84510803 ROTUNDO WELL W SR46 NEAR GENEVA, FL (LAT 28 45 19 LONG 081 08 18)								
OCT , 1982 14...	79	2.5	7.1	.8	215	2.0	9.9	4000
284520081051001 - HADDIX WELL WINONA RD NEAR GENEVA, FL (LAT 28 45 20 LONG 081 05 10)								
OCT , 1982 12...	51	5.6	24	1.4	146	4.0	38	300
284526081065401 - HISAW RANCH WELL OSCEOLA RD NEAR GENEVA, FL (LAT 28 45 26 LONG 081 06 54)								
OCT , 1982 14...	36	1.5	8.1	.1	78	14	15	58
284531081051601 - VAUGHN WELL WINONA RD NEAR GENEVA, FL (LAT 28 45 31 LONG 081 05 16)								
OCT , 1982 12...	64	1.8	7.5	.9	171	2.0	12	2000

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

SEMINOLE COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	TEMPER- ATURE (DEG C) (00010)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CACO3) (00902)	
284550081071501 - 84510703 CAMERON WELL NEAR GENEVA, FL (LAT 28 45 50 LONG 081 07 15)										
OCT , 1982	11...	1300	126	440	457	6.6	7.4	23.0	200	3
284552081170701 - 84511709 20S30E11 CITY WELL 7 SANFORD, FL (LAT 28 45 52 LONG 081 17 07)										
NOV , 1982	30...	0735	180	--	427	--	--	--	--	--
JAN , 1983	31...	0855	180	--	436	--	--	--	--	--
284553081085501 - BLACKARD WELL SR 46 NEAR GENEVA, FL (LAT 28 45 53 LONG 081 08 55)										
OCT , 1982	14...	1100	80	--	745	6.5	7.3	24.6	265	0
284604081063401 - MOREAU WELL B RD NEAR GENEVA, FL (LAT 28 46 02 LONG 081 06 41)										
OCT , 1982	14...	1015	79	--	556	6.5	7.4	23.5	258	0
284605081165750 - COMPOSITE-SANFORD OLD WELL FIELD AT SANFORD, FL (LAT 28 46 05 LONG 081 16 57)										
MAR , 1983	30...	0730	--	--	408	--	--	--	--	--
APR	28...	0730	--	--	415	--	--	--	--	--
MAY	27...	1115	--	--	445	--	--	--	--	--
JUN	29...	0730	--	447	--	--	--	--	--	--
SEP	29...	0745	--	425	--	--	--	--	--	--
284626081051801 - K RD TEST WELL OSCEOLA RD NEAR GENEVA, FL (LAT 28 46 26 LONG 081 05 18)										
OCT , 1982	11...	1035	200	630	647	6.7	7.1	23.3	310	2
284706081070801 - 84710703 THRASHER PASTURE WELL NEAR GENEVA, FL (LAT 28 47 06 LONG 081 07 08)										
OCT , 1982	11...	1145	178	630	625	6.6	7.2	23.3	304	0
284706081073801 - 84710701 20S32E04 THRASHER HOME WELL NEAR GENEVA, FL (LAT 28 47 06 LONG 081 07 38)										
OCT , 1982	11...	1105	80	3250	3000	6.8	7.2	23.6	468	186

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

SEMINOLE COUNTY--Continued

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
284550081071501 - 84510703 CAMERON WELL NEAR GENEVA, FL (LAT 28 45 50 LONG 081 07 15)								
OCT , 1982								
11...	71	5.4	17	1.2	197	3.0	24	180
284552081170701 - 84511709 20S30E11 CITY WELL 7 SANFORD, FL (LAT 28 45 52 LONG 081 17 07)								
NOV , 1982								
30...	--	--	--	--	--	--	49	--
JAN , 1983								
31...	--	--	--	--	--	--	54	--
284553081085501 - BLACKARD WELL SR 46 NEAR GENEVA, FL (LAT 28 45 53 LONG 081 08 55)								
OCT , 1982								
14...	94	7.4	41	1.9	276	6.0	69	7800
284604081063401 - MOREAU WELL, B RD NEAR GENEVA, FL (LAT 28 46 02 LONG 081 06 41)								
OCT , 1982								
14...	100	2.0	9.7	.6	278	3.0	12	1700
284605081165750 - COMPOSITE-SANFORD OLD WELL FIELD AT SANFORD, FL (LAT 28 46 05 LONG 081 16 57)								
MAR , 1983								
30...	--	--	--	--	--	--	45	--
APR								
28...	--	--	--	--	--	--	50	--
MAY								
27...	--	--	--	--	--	--	51	--
JUN								
29...	--	--	--	--	--	--	52	--
SEP								
29...	--	--	--	--	--	--	50	--
284626081051801 - K RD TEST WELL OSCEOLA RD NEAR GENEVA, FL (LAT 28 46 26 LONG 081 05 18)								
OCT , 1982								
11...	110	8.5	15	.7	308	7.0	25	790
284706081070801 - 84710703 THRASHER PASTURE WELL NEAR GENEVA, FL (LAT 28 47 06 LONG 081 07 08)								
OCT , 1982								
11...	110	7.2	17	1.4	306	13	23	300
284706081073801 - 84710701 20S32E04 THRASHER HOME WELL NEAR GENEVA, FL (LAT 28 47 06 LONG 081 07 38)								
OCT , 1982								
11...	110	47	410	15	283	94	740	170



GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

SEMINOLE COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS)	PH (STAND- ARD UNITS)	PH LAB (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	HARD- NESS (MG/L CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
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284709081190750 - COMPOSITE-SANFORD NEW WELL FIELD AT SANFORD, FL  
(LAT 28 47 09 LONG 081 19 07)

MAR , 1983									
30...	0710	--	--	320	--	--	--	--	--
APR									
28...	0720	--	--	330	--	--	--	--	--
MAY									
27...	1100	--	--	340	--	--	--	--	--
JUN									
29...	0720	--	333	--	--	--	--	--	--
SEP									
29...	0730	--	324	--	--	--	--	--	--

284712081044301 - 84710401 COUNTY LANDFILL WELL OSCEOLA RD NEAR GENEVA, FL  
(LAT 28 47 12 LONG 081 04 43)

OCT , 1982									
11...	0955	141	630	651	--	7.4	23.3	250	26

DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
------	---	---	---	--	--	--	--	---

284709081190750 - COMPOSITE-SANFORD NEW WELL FIELD AT SANFORD, FL  
(LAT 28 47 09 LONG 081 19 07)

MAR , 1983								
30...	--	--	--	--	--	--	16	--
APR								
28...	--	--	--	--	--	--	18	--
MAY								
27...	--	--	--	--	--	--	16	--
JUN								
29...	--	--	--	--	--	--	20	--
SEP								
29...	--	--	--	--	--	--	18	--

284712081044301 - 84710401 COUNTY LANDFILL WELL OSCEOLA RD NEAR GENEVA, FL  
(LAT 28 47 12 LONG 081 04 43)

OCT , 1982								
11...	82	11	32	1.1	224	7.0	63	130

WATER RESOURCES DATA FOR FLORIDA, 1983  
Volume 1B: Northeast Florida

KEY TO SITE LOCATIONS ON FIGURE 23  
VOLUSIA COUNTY

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4	290920081063001	176
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5	291006081101004	177
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8	291113081050601	179
9	291133081040601	179
9	291133081040602	180
10	291343081254601	180
11	291344081155701	181
11	291353081160401	181
12	291715081281801	182
13	291905081251001	182

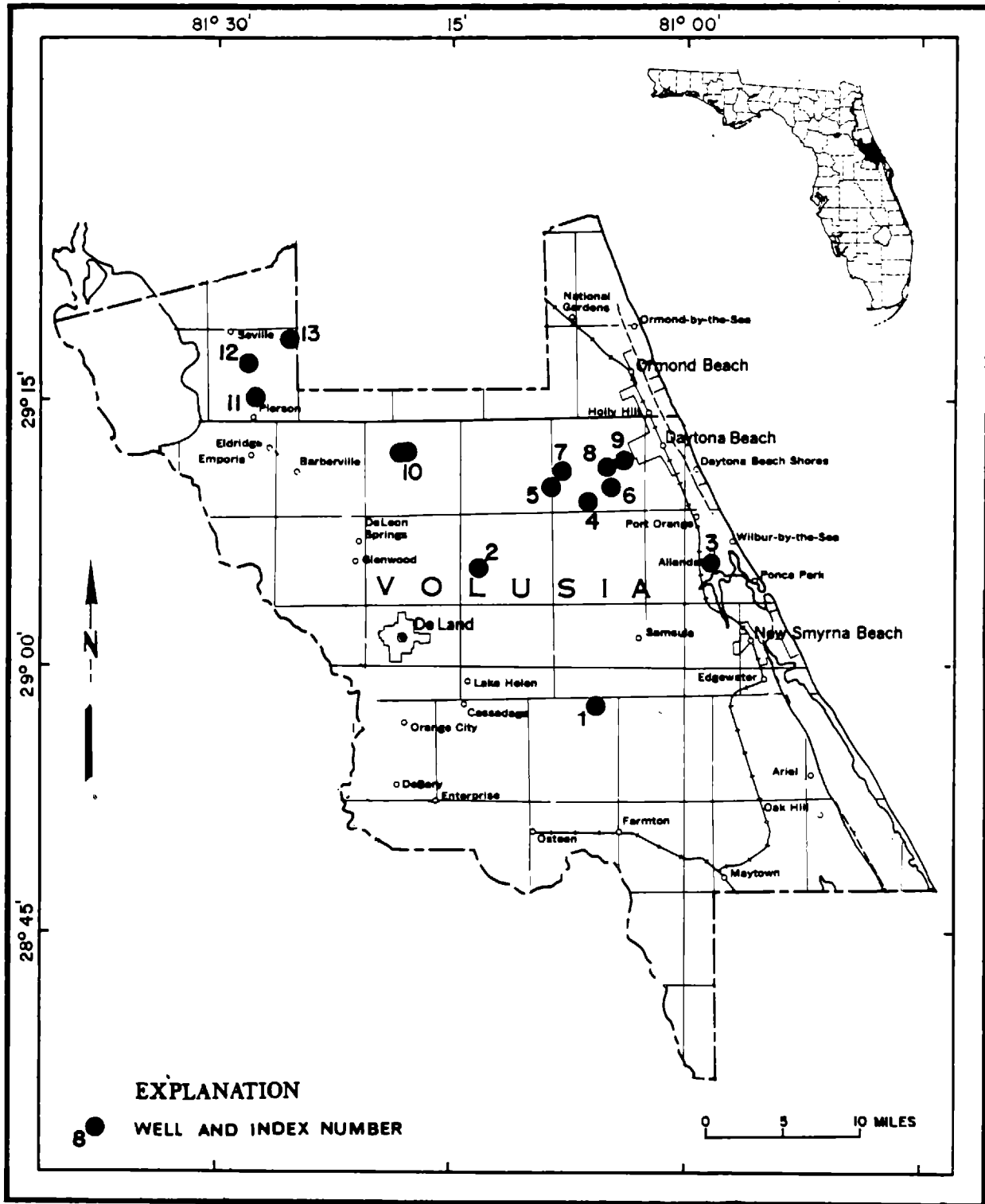


Figure 23. Location of wells in Volusia County.

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## VOLUSIA COUNTY

WELL NUMBER.--285745081054001. Local Number 857-105-01. USGS Observation Well at Alamana, FL.

LOCATION.--Lat 28°57'05", long 81°05'40", in SW¼SW¼SE¼ sec.2, T.18 S., R.32 E., Hydrologic Unit 03080101, on west side of Lake Ashby Road, 0.2 mi southeast of intersection of State Highway 415, and 0.8 mi north of Alamana.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 121 ft, cased to 113 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 3.10 ft above land-surface datum.

DATUM.--Land-surface datum is 35.90 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1936 to September 1950 (monthly), October 1950 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.10 ft NGVD, September 1945; lowest daily maximum water level, 25.11 ft NGVD, July 19, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.64	30.15	29.38	---	---	---	---	30.49	28.85	29.51	---	29.89
10	30.55	30.07	29.47	---	---	---	---	30.13	29.12	29.56	---	29.72
15	30.52	29.93	29.66	---	---	---	---	29.64	29.14	29.23	---	29.59
20	30.27	29.86	---	28.96	---	---	31.02	29.23	28.87	---	---	29.56
25	30.29	29.68	---	29.30	---	30.86	31.09	28.92	29.30	---	29.40	29.49
EOM	30.11	29.49	---	29.40	---	---	30.74	28.73	29.36	---	29.41	29.42
MAX	30.72	30.17	---	---	---	---	---	30.66	29.36	---	---	29.90

WELL NUMBER.--290541081132902. Local Number 905-113-04. USGS 04 Deep Test Well near De Land, FL.

LOCATION.--Lat 29°05'41", long 81°13'29", in NW¼NW¼SW¼ sec.20, T.16 S., R.31 E., Hydrologic Unit 03080103, on north side of U.S. Highway 92, and 6.0 mi east of U.S. Highway 17 in De Land.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 639 ft, cased to 85 ft. Original depth of well, 351 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 6 in coupling, 3.25 ft above land-surface datum.

DATUM.--Land-surface datum is 38.35 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1955 to May 1965; June 1965 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 39.65 ft NGVD, Sept. 30, 1960; lowest, 31.99 ft NGVD, June 28, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
28...	1345	38.09	18...	1333	37.62
NOV			31...	1515	36.87
30...	--	37.65	JUN		
JAN			30...	1415	37.50
03...	1540	37.76	AUG		
31...	1340	37.47	01...	1520	37.41
FEB			SEP		
28...	1330	39.04	02...	1520	37.03
MAR			14...	0834	37.52
31...	1556	39.16	29...	1535	37.45
APR					
18...	1545	38.10			
28...	1545	38.10			

WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

VOLUSIA COUNTY

WELL NUMBER.--290541081132903. Local Number 905-113-05. USGS 05 Deep Test Well near De Land, FL.  
 LOCATION.--Lat 29°05'41", long 81°13'29", in NW¼NW¼SW¼ sec.20, T.16 S., R.31 E., Hydrologic Unit 03080103, on north side of U.S. Highway 92, and 6.0 mi east of U.S. Highway 17 in De Land.  
 AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in, depth 1,200 ft, cased to 639 ft.  
 INSTRUMENTATION.--Tape measured. Measuring point: Top of 6 in coupling, 3.25 ft above land-surface datum.  
 DATUM.--Land-surface datum is 38.35 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--September 1969 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.34 ft NGVD, Mar. 9, 1970; lowest measured, 26.93 ft NGVD, June 29, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
14...	1010	32.08	11...	1102	31.82
DEC			18...	1337	31.44
13...	--	31.81	JUL		
JAN			20...	0915	30.98
06...	1300	31.75	SEP		
28...	1104	31.38	14...	0836	31.26
MAR					
21...	1322	32.57			

WELL NUMBER.--290541081132904. Local Number 905-113-06. USGS 06 Deep Well near De Land, FL. (Formerly published as USGS Observation Well near De Land, FL.)  
 LOCATION.--Lat 29°05'41", long 81°13'29", in NW¼NW¼SW¼ sec.20, T.16 S., R.31 E., Hydrologic Unit 03080103, on north side of U.S. Highway 92, and 6.0 mi east of U.S. Highway 17 in De Land.  
 AQUIFER.--Oldsmar Limestone of the Eocene Age, Geologic Unit 124 OLDM.  
 WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 1.25 in, depth 1,290 ft, cased to 1,275 ft.  
 INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.25 ft above land-surface datum.  
 DATUM.--Land-surface datum is 38.35 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--September 1969 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.33 ft NGVD, Mar. 9, 1970; lowest measured, 23.04 ft NGVD, May 13, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
14...	1015	27.37	11...	1104	27.02
JAN			18...	1340	26.50
06...	1249	27.11	JUL		
28...	1111	26.94	20...	0920	26.24
MAR			SEP		
21...	1325	28.05	14...	0838	26.46

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## VOLUSIA COUNTY

WELL NUMBER.--290651080582802. Local Number 906-058-14. Harbour Oaks Supply Well near Allendale.

LOCATION.--Lat 29°06'51", long 80°58'28", in sec.14, T.16 S., R.33 E., Hydrologic Unit 03080201, 140 ft north of Farmbrook Road, 200 ft west of intersection of U.S. Highway 1 and Farmbrook Road, and 0.7 mi north of Rose Bay in Harbour Oaks.

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

WELL CHARACTERISTICS.--Drilled, unused public supply well, diameter 4 in, depth 146 ft, cased to 104 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 6.08 ft above land-surface datum.

DATUM.--Land-surface datum is 3.72 ft National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 6.94 ft NGVD, Mar. 18, 1983; lowest, 0.54 ft below NGVD, Aug. 16, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			---			6.37	6.45	5.67	2.97	3.27	2.95	4.04
10			---			6.53	6.52	4.92	4.17	3.33	3.73	3.27
15			---			6.42	6.60	4.20	4.23	2.34	4.46	3.49
20			---			6.69	6.75	3.63	3.17	1.71	3.69	4.34
25			5.79			6.61	6.72	2.47	4.16	1.35	3.23	4.94
EOM			---			6.69	6.01	3.42	3.45	3.03	3.38	5.19
MAX			---			---	6.80	5.87	4.23	3.51	4.46	5.26

WELL NUMBER.--290920081063001. Local Number 909-106-01. USGS 6-Inch Observation Well near Daytona Beach, FL.

LOCATION.--Lat 29°09'23", long 81°06'12", in SW¼NE¼ sec.33, T.15 S., R.32 E., Hydrologic Unit 03080201, on north side of U.S. Highway 92, 14.9 mi northeast of U.S. Highway 17 in De Land, and 6.0 mi west of Daytona Beach.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 235 ft, cased to 102 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 2.08 ft above land-surface datum.

DATUM.--Land-surface datum is 27.04 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--February 1955 to November 1957; January 1958 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.46 ft NGVD, Oct. 18, 1955; lowest measured, 11.40 ft NGVD, May 14, 1981.

ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
14...	1055	15.73	19...	1130	15.02
DEC			JUL		
07...	1245	16.53	20...	1220	12.76
JAN			AUG		
18...	1210	16.26	14...	0922	14.37
MAR			SEP		
21...	1253	17.67	15...	1411	14.48
MAY					
12...	0903	16.24			



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## VOLUSIA COUNTY

WELL NUMBER.--291007081101613. Local Number 910-110-13. Tiger Bay Shallow Test Well near Daytona Beach, FL.  
 LOCATION.--Lat 29°10'07", long 81°10'16", in NW¼NE¼SW¼ sec.26, T.15 S., R.31 E., Hydrologic Unit 03080103, 2.9 mi northwest of intersection of U.S. Highway 92 and Indian Lake Road, and 9 mi west of Daytona Beach.  
 AQUIFER.--Nonartesian sand of the surficial aquifer system, Geologic Unit 110 NRSB.  
 WELL CHARACTERISTICS.--Drilled, observation well, diameter 4 in, depth 20 ft, cased to 18 ft.  
 INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 2.40 ft above land-surface datum.  
 DATUM.--Land-surface datum is 41.17 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--March 1978 to current year.  
 EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 38.31 ft NGVD, Apr. 24, 1983; lowest, 32.99 ft NGVD, July 16, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.21	38.08	37.56	37.20	37.80	37.81	38.05	37.95		---	37.13	37.85
10	38.11	37.91	37.54	37.13	37.96	38.07	38.23	37.73		---	37.30	37.65
15	38.15	37.83	37.48	---	38.11	38.07	38.23	---		---	38.10	---
20	38.00	37.75	37.44	---	38.06	38.18	38.24	---		36.69	38.02	---
25	38.17	37.61	37.26	---	37.99	38.11	38.22	---		36.50	37.81	37.93
EOM	38.00	37.62	37.19	37.36	37.98	38.19	38.01	---		36.78	37.62	37.82
MAX	38.30	38.11	37.64	---	38.22	38.26	38.31	---		---	38.11	---
CAL YR 1982	MAX	38.30										

WELL NUMBER.--291025081050201. Local Number 910-105-1. USGS Observation Well near Interstate Highway 95 at Daytona Beach, FL.  
 LOCATION.--Lat 29°10'25", long 81°05'02", in SW¼NE¼ sec.27, T.15 S., R.32 E., Hydrologic Unit 03080201, 23 ft north and 75 ft east of intersection of Interstate Highway 95 and U.S. Highway 92 in Daytona Beach.  
 AQUIFER.--Floridan aquifer system of the Tertiary System, Geologic Unit 120 FLRD.  
 WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 220 ft, cased to 152 ft.  
 INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 3.50 ft above land-surface datum.  
 DATUM.--Land-surface datum is 26.05 ft National Geodetic Vertical Datum of 1929.  
 PERIOD OF RECORD.--May 1955 to July 1969; May 1973 to March 1974 (bimonthly); May 1974 to current year. Records of water levels prior to January 1974 are available in files of the Geological Survey.  
 EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 15.26 ft NGVD, Oct. 18, 1955; lowest, 8.52 ft below NGVD, July 14, 1977.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---		---	7.91	7.11	8.09	6.44	4.79		---	3.07	4.39
10	---		8.02	7.16	7.54	7.39	6.15	3.82		---	4.84	2.39
15	6.20		8.64	6.46	8.27	6.60	7.29	2.67		---	5.12	2.27
20	6.42		7.72	6.29	8.12	6.60	7.62	1.08		-3.46	3.80	3.97
25	7.99		7.09	7.20	7.33	7.19	7.73	-1.07		-2.77	1.83	4.20
EOM	---		6.84	7.12	8.59	6.52	6.07	2.14		3.43	2.58	4.77
MAX	---		---	7.91	8.59	8.70	7.78	5.20		---	5.19	5.03



## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## VOLUSIA COUNTY

WELL NUMBER.--291113081050601. Local Number 911-105-03. City Well 44 at Daytona Beach, FL.

LOCATION.--Lat 29°11'13", long 81°05'06", in SW~~4~~SW~~4~~NE~~4~~ sec.22, T.15 S., R.32 E., Hydrologic Unit 03080201, on south side of Pentress Boulevard, 0.6 mi east of Interstate 95, and 1.2 mi west of U.S. Highway 92 in Daytona Beach.

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

WELL CHARACTERISTICS.--Drilled, public-supply, artesian well, diameter 16 in, depth 211 ft, cased to 111 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of 2 in riser pipe, 2.29 ft above land-surface datum.

DATUM.--Land-surface datum is 29.11 ft National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.69 ft NGVD, Jan. 14, 1968; lowest measured, 13.46 ft below NGVD, June 28, 1977.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
DEC 07...	--	4.39	JUL 20...	1300	-7.65
JAN 18...	1120	3.78	SEP 15...	1029	-5.14
MAY 12...	1042	-9.10			
19...	1205	-7.91			

WELL NUMBER.--291133081040601. Local Number Volusia 911-104-04. General Electric Plant 6-Inch Well at Daytona Beach, FL.

LOCATION.--Lat 29°11'33", long 81°04'06", in SE~~4~~NE~~4~~NW~~4~~ sec.23, T.15 S., R.32 E., Hydrologic Unit 03080201, on north side of U.S. Highway 92, 1.5 mi east of Interstate Highway 95, and 3.0 mi west of Daytona Beach.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 235 ft, cased to 115 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 27.55 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1955 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.92 ft NGVD, Oct. 18, 1955; lowest measured, 11.38 ft below NGVD, May 5, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT 28...	1315	4.75	MAY 19...	1231	-2.91
NOV 30...	1410	2.89	31...	1415	-0.60
JAN 03...	1450	4.08	JUN 30...	1335	-0.37
31...	1145	4.38	AUG 01...	1420	0.59
FEB 28...	1250	5.83	SEP 02...	1420	0.61
MAR 31...	1415	3.55	15...	1043	-1.15
APR 28...	1450	3.74	29...	1445	1.45

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## VOLUSIA COUNTY

WELL NUMBER.--291133081040602. Local Number 911-104-09. General Electric Plant 2-Inch Well at Daytona Beach, FL.

LOCATION.--Lat 29°11'33", long 81°04'06", in SE¼NE¼NW¼ sec.23, T.15 S., R.32 E., Hydrologic Unit 03080201, on north side of U.S. Highway 92, 1.5 mi east of Interstate Highway 95, and 3.0 mi west of Daytona Beach.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 2 in, depth 500 ft, cased to 483 ft.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 3.00 ft above land-surface datum.

DATUM.--Land-surface datum is 27.55 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--May 1955 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.57 ft NGVD, Nov. 1, 1960; lowest measured, 6.86 ft NGVD, June 29, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
12...	1310	12.46	19...	1234	12.47
DEC			31...	1420	11.66
07...	1200	13.35	JUN		
JAN			30...	1335	12.33
03...	0920	14.20	AUG		
31...	1150	13.43	01...	1425	11.42
MAR			SEP		
31...	1415	14.74	02...	1425	12.35
APR			15...	1048	12.11
28...	1450	14.68	29...	1450	13.43

WELL NUMBER.--291343081254601. Local Number 913-125-01. Jones Well near Pierson, FL.

LOCATION.--Lat 29°13'43", long 81°25'46", in SE¼NE¼NE¼ sec.6, T.15 S., R.29 E., Hydrologic Unit 03080101, 2.3 mi southeast of Pierson, and 2.9 mi north of Barberville.

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

WELL CHARACTERISTICS.--Drilled, observation well, diameter 6 in, depth 412 ft, cased to 108 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 3.80 ft above land-surface datum.

DATUM.--Land-surface datum is 51.88 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 35.64 ft NGVD, Sept. 30, Oct. 1, 1979; lowest, 9.58 ft NGVD, Jan. 13, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.72	34.50	---	33.69	33.40	33.79	34.20	34.16	33.18	34.20	33.61	34.28
10	34.60	33.97	33.78	33.49	31.49	34.19	34.77	33.50	33.67	34.41	33.81	33.22
15	34.49	34.11	33.83	29.80	34.03	33.87	34.55	33.74	34.00	---	34.14	33.88
20	34.18	33.86	32.69	30.38	34.08	34.26	34.73	33.06	33.32	32.85	33.23	34.15
25	34.60	---	33.41	32.96	34.15	34.37	34.97	32.45	34.02	32.81	32.98	---
EOM	34.27	---	33.01	33.23	34.18	34.38	33.83	33.47	33.39	33.82	33.40	---
MAX	34.77	---	---	---	34.23	34.54	35.03	34.25	34.10	---	34.14	---

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## VOLUSIA COUNTY

WELL NUMBER.--291344081155701. Local Number 913-115-01. Union Camp Deep Well near Barberville, FL.

LOCATION.--Lat 29°13'44", long 81°15'57", in NE~~SW~~NE~~SE~~ sec.2, T.15 S., R.30 E., Hydrologic Unit 03080103, 0.5 mi south of State Highway 40, and 9.7 mi east of Barberville.

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

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 6 in, depth 151 ft, cased to 74 ft.

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 2.50 ft above land-surface datum.

DATUM.--Land-surface datum is 32.88 ft National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 29.98 ft NGVD, Sept. 29, 1979; lowest, 23.47 ft NGVD, July 8, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.27	29.26	28.73	28.42	28.77	---	---	---	27.71	28.41	27.88	28.43
10	29.32	29.17	28.70	28.45	28.99	---	---	---	28.10	28.32	28.02	28.39
15	29.43	29.06	28.85	28.03	29.14	---	---	---	28.37	28.04	28.27	28.27
20	29.31	28.99	28.78	27.70	29.20	---	---	28.29	28.22	27.76	28.40	28.38
25	29.30	28.84	28.54	28.28	29.29	---	---	28.07	28.42	27.74	28.15	28.59
EOM	29.23	28.81	28.50	28.51	29.31	---	---	27.80	28.34	27.72	28.18	28.65
MAX	29.43	29.34	28.93	28.55	29.34	---	---	---	28.42	28.41	28.42	28.68
CAL YR 1982	MAX	29.43										

WELL NUMBER.--291353081160401. Local Number 913-116-01. Union Camp Shallow Well near Barberville, FL.

LOCATION.--Lat 29°13'53", long 81°16'04", in SW~~NW~~NE~~SE~~ sec.2, T.15 S., R.30 E., Hydrologic Unit 03080103, 0.3 mi south of State Highway 40, and 9.7 mi east of Barberville.

AQUIFER.--Nonartesian sand of the surficial aquifer system, Geologic Unit 110 NRSD.

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

INSTRUMENTATION.--Water-level recorder. Measuring point: Top of recorder shelf, 2.60 ft above land-surface datum.

DATUM.--Land-surface datum is 34.13 ft National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 34.16 ft NGVD, Sept. 30, 1979; lowest, 23.08 ft NGVD, July 18, 1981.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983  
MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	33.54	33.37	31.67	31.13	33.33	32.45	32.98	32.63	30.37	32.09	31.16	32.64
10	33.23	32.90	32.39	30.99	33.68	33.32	33.77	31.82	32.05	31.47	31.59	31.72
15	33.67	32.38	---	30.82	33.83	33.37	33.59	31.37	32.24	30.80	32.46	31.12
20	33.20	32.19	32.07	31.24	33.53	33.45	33.48	31.00	31.40	30.64	31.87	31.08
25	33.48	31.80	31.56	31.96	33.10	33.40	33.39	30.59	32.76	30.82	31.12	31.68
EOM	32.89	31.80	31.23	32.02	32.98	33.56	32.53	30.68	32.53	31.10	31.94	31.38
MAX	33.76	33.45	---	32.10	34.05	33.83	33.77	32.63	32.76	32.60	32.46	32.64

## WELL DESCRIPTIONS AND WATER LEVEL MEASUREMENTS

## VOLUSIA COUNTY

WELL NUMBER.--291715081281801. Local Number 917-128-01. J. C. Mew Well at Seville, FL.

LOCATION.--Lat 29°17'26", long 81°28'54" in SW¼SW¼ sec.9, T.14 S., R.28 E., Hydrologic Unit 03080101, 300 ft west of U.S. Highway 17, and 1.8 mi south of Seville.

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

WELL CHARACTERISTICS.--Drilled, stock, artesian well, diameter 4 in, depth 180 ft, casing length unknown.

INSTRUMENTATION.--Pressure-gage measured. Measuring point: Top of casing, 1.20 ft above land-surface datum.

DATUM.--Land-surface datum is 14.90 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 1936 to April 1950 (monthly); August 1950 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.89 ft NGVD, July 14, 1961; lowest measured, 18.35 ft NGVD, Jan. 10, 1981.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
26...	0840	25.60	17...	1303	24.90
DEC			JUL		
08...	1418	24.30	14...	1130	24.30
JAN			SEP		
24...	1610	23.60	13...	1053	25.00
MAR					
23...	1433	24.60			

WELL NUMBER.--291905081251001. Local Number 919-125-01. R. Nolan Well near Seville, FL.

LOCATION.--Lat 29°19'05", long 81°25'10", in SE¼SE¼ sec.36, T.13 S., R.28 E., Hydrologic Unit 03080103, 25 ft south of State Highway 305, 100 ft west of Volusia-Flagler County line, and 4.8 mi east of U.S. Highway 17 in Seville.

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

WELL CHARACTERISTICS.--Drilled, stock, artesian well, diameter 6 in, depth 138 ft, casing length unknown.

INSTRUMENTATION.--Tape measured. Measuring point: Top of casing, 1.21 ft above land-surface datum.

DATUM.--Land-surface datum is 23.30 ft National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--December 1935 to current year (bimonthly). Records of water levels prior to January 1974 are available in files of the Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.90 ft NGVD, Sept. 1, Oct. 1, 1947; lowest measured, 16.23 ft NGVD, May 1, 1968.

## ELEVATION, IN FEET NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)	DATE	TIME	ELEV- ATION ABOVE NGVD (FEET)
OCT			MAY		
13...	1350	21.28	10...	1454	20.59
DEC			17...	1431	20.53
08...	1500	20.41	JUL		
JAN			14...	1145	20.63
24...	1550	20.01	SEP		
MAR			13...	1231	20.61
23...	1403	21.39			

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

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VOLUSIA COUNTY

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEVATION ABOVE NGVD (FEET)
284743080520101	84705101 WL CANTRELL N OF COUNTY LINE S/OAK HILL FL	28 47 43	080 52 01	01	83-05-17 83-09-13	9.51 9.70
284902081112001	84911101 FLOW WELL N OF RIVER S OF OSTEEN FL	28 49 02	081 11 20	01	83-05-17 83-09-14	15.50 15.45
285016081014101	85010102 USGS WELL NR COW CREEK W OF MAYTOWN FL	28 50 16	081 01 41	01	83-05-17 83-09-13	16.64 16.64
285040081192101	85011821 STEWART WELL US17 S OF DEBARY FL	28 50 40	081 19 21	01	83-05-16 83-09-13	18.16 18.37
285044081094901	85010903 OSTEEN CONVENIENCE STORE WELL NR OSTEEN FL	28 50 44	081 09 49	01	83-05-17 83-09-14	22.92 22.06
285045081063501	85010603 TURNER FARMS WELL E OF OSTEEN FL	28 50 45	081 06 35	01	83-05-17 83-09-13	14.75 15.51
285143080521401	85105202 LOOMIS NURSERY WELL W OF OAK HILL FL	28 51 43	080 52 14	01	83-05-17 83-09-13	9.67 9.55
285156081190302	85111902 FLA POWER CO BENSON JUNC S OF DEBARY FL	28 51 56	081 19 03	02	83-05-16 83-09-13	15.01 13.77
285221081095002	85210902 USGS TEST WELL G-2 N OF OSTEEN FL	28 52 21	081 09 50	02	83-05-17 83-09-14	26.11 24.04
285259081132101	85211301 DELTONA P S WELL 5 SAXON AT DELTONA FL	28 52 59	081 13 21	01	83-05-16	15.89
285307081183001	85311802 DEBARY NURSERY WELL HWY 17&92 DEBARY FL	28 53 07	081 18 30	01	83-05-16 83-09-13	25.47 24.85
285359081161701	85311601 DELTONA P S WELL 3 DIAMOND ST DELTONA FL	28 53 59	081 16 17	01	83-05-16 83-09-14	17.35 17.22
285450080533501	85405301 CLINTON WELL BEACON LIGHT RD ARIEL FL	28 54 50	080 53 35	01	83-05-17 83-09-13	10.65 10.53
285452080551801	85405501 BUERGER WELL N OF VOLCO RD ARIEL FL	28 54 52	080 55 18	01	83-05-17 83-09-13	10.03 10.10
285503081124701	85511201 DELTONA PS WELL 11 NEMO ST DELTONA FL	28 55 03	081 12 47	01	83-05-16 83-09-14	14.12 13.32
285523081172901	85511702 E RIDGE DR WELL S ORANGE CITY FL	28 55 23	081 17 29	01	83-05-16 83-09-13	12.61 10.98
285525081105901	85511001 DELTONA PS WELL 10 DAY RD DELTONA FL	28 55 25	081 10 59	01	83-05-16 83-09-14	16.62 16.02
285645080523501	85605205 CORY ESTATES FLOW WELL S OF EDGEWATER FL	28 56 45	080 52 35	01	83-05-17 83-09-13	5.40 5.05
285655081165601	85611601 USGS TEST WELL A-1 ORANGE CITY EAST FL	28 56 55	081 16 56	01	83-05-16 83-09-13	14.42 13.11
285655081165602	85611602 USGS TEST WELL A-2 ORANGE CITY EAST FL	28 56 55	081 16 56	02	83-05-16 83-09-13	17.03 15.96
285700081021001	85710201 USGS TEST WELL 11 E OF LK ASHBY FL	28 57 00	081 02 10	01	83-05-17 83-09-14	17.88 18.10
285811081130901	85811303 J B EVANS LAKE HELEN FL	28 58 11	081 13 09	01	83-05-16 83-09-13	38.18 38.10
285833080571701	85805701 GLENCOE RD SAND MINE RD W OF EDGEWATER FL	28 58 33	080 57 17	01	83-05-17 83-09-13	5.74 4.99
285859081191001	85811901 MCGREGGOR RD 4-IN WELL SW OF DELAND FL	28 58 59	081 19 10	01	83-05-16 83-09-13	8.48 6.85
285904080554601	85905504 EDGEWATER PS WELL 1 W OF EDGEWATER FL	28 59 04	080 55 46	01	83-05-17 83-09-13	5.04 5.58
285906081152002	85911508 WELL N SIDE OF ORANGE CAMP RD LK HELEN FL	28 59 06	081 15 20	02	83-05-16 83-09-13	33.64 33.13

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

VOLUSIA COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
285921080541001	85905402 MOORE WELL RIVERSIDE DR EDGEWATER FL	28 59 21	080 54 10	01	83-05-17 83-09-13	7.92 7.74
285923081211601	85912012 ST JOHNS & HONTOON RD WELL SW OF DELAND FL	28 59 23	081 21 16	01	83-05-16 83-09-13	15.50 15.20
285934081041801	85910401 USGS TEST WELL 10 S OF SAMSULA FL	28 59 34	081 04 18	01	83-05-17 83-09-14	26.13 27.18
285953080574701	85905709 PS WELL NUMBERED 4 IN U NEW SMYRNA BEACH FL	28 59 50	080 57 47	01	83-09-13	2.43
290033081225501	90012204 SJWMD WELL AT SR-44&ST JOHNS R NR DELAND FL	29 00 33	081 22 55	01	83-05-16	17.20
290038081043801	90010403 4-IN OBS WELL 100 FT W OF NSB S1 SAMSULA FL	29 00 38	081 04 38	01	83-05-17 83-09-13	19.93 22.97
290047080593101	90005901 SERV STA WELL SR44 & I-95 NEW SMYRNA BCH FL	29 00 47	080 59 31	01	83-05-17 83-09-13	7.58 7.17
290102080564201	90105611 CITY TEST WELL JUNGLE RD NEW SMYRNA BCH FL	29 01 02	080 56 42	01	83-05-17 83-09-13	6.00 5.63
290129081072901	90110701 USGS TEST WELL 8 W SAMSULA FL	29 01 29	081 07 29	01	83-05-16 83-09-13	35.68 36.20
290138081203202	90112002 USGS J-2 TEST WELL W OF DELAND FL	29 01 38	081 20 32	02	83-05-16 83-09-13	13.76 12.77
290141080540501	90105402 OLD WELL SW CORNR FLOWR SHP N SMYRNA BCH FL	29 01 41	080 54 05	01	83-05-17	3.12
290142081105901	90111001 USGS TEST WELL M E OF DELAND FL	29 01 42	081 10 59	01	83-05-16	37.22
290225081040301	90210402 17S32E11 USGS TEST WELL 9 N SAMSULA FL	29 02 25	081 04 03	01	83-05-17 83-09-13	21.88 22.52
290230081123401	90211203 USGS TEST HOLE 5 E OF DELAND FL	29 02 30	081 12 34	01	83-05-20 83-09-15	35.70 35.83
290251081001401	90210001 USGS TEST WELL I NE OF SAMSULA FL	29 02 51	081 00 14	01	83-05-17 83-09-13	14.14 13.64
290308081182301	90311801 DELAND PS WELL 7A DELAND FL	29 03 08	081 18 23	01	83-05-16 83-09-13	15.29 18.23
290325080563401	90305601 NSB AIRPORT WELL NEW SMYRNA BEACH FL	29 03 25	080 56 34	01	83-05-17 83-09-13	3.51 2.96
290447081102301	90411004 I-4 DEEP WELL E OF DELAND FL	29 04 47	081 10 23	01	83-05-20 83-09-15	37.19 37.09
290456081044401	90410404 USGS TEST WELL 7 W OF ALLANDALE FL	29 04 56	081 04 44	01	83-05-18 83-09-15	20.47 20.46
290517081193601	90511902 16S30E19 MCDONALDS 15A&US17 DELEON SPGS FL	29 05 17	081 19 36	01	83-05-16 83-09-12	26.20 25.65
290527081215001	90512109 ADAM'S LEMMON ST WELL GLENWOOD FL	29 05 27	081 21 50	01	83-05-16 83-09-12	18.85 18.30
290534081175001	90511701 USGS TEST WELL F1 SR11 N OF DELAND FL	29 05 34	081 17 50	01	83-05-18 83-09-12	38.12 38.19
290534081175002	90511702 USGS TEST WELL F2 SR11 N OF DELAND FL	29 05 34	081 17 50	02	83-05-18 83-09-12	37.02 36.86
290550081162601	90511601 LAWRENCE WELL LAKE DAUGHARTY NR DELAND FL	29 05 50	081 16 26	01	83-05-18 83-09-12	40.00 40.45
290626081013701	90610102 SERV STA AT TAYLOR RD&I-95 PORT ORANGE FL	29 06 26	081 01 37	01	83-05-18 83-09-15	4.12 4.61
290708081233101	90712301 SJWMD 4-IN WELL 2MI SW OF PONCE DEL SPGS FL	29 07 08	081 23 31	01	83-05-16 83-09-12	12.20 12.01
290723081210601	90712103 16S29E39 4-IN WELL ELEM SCH DELEON SPGS FL	29 07 23	081 21 06	01	83-05-16 83-09-12	12.90 14.59

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

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VOLUSIA COUNTY--Continued

STATION NUMBER	STATION NAME	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	DATE OF SAMPLE	ELEVATION ABOVE NGVD (FEET)
290737081220301	90712201 HAGSTROM IRRIG WELL W OF DELEON SPRINGS FL	29 07 37	081 22 03	01	83-05-16 83-09-12	9.45 9.22
290748081184201	90711801 16S30E05 THOMAS WELL 2MI E OF DELEON SPGS FL	29 07 48	081 18 42	01	83-05-18 83-09-12	38.43 37.98
290806081013901	90810115 CITY OBS WELL 2 WELLFIELD PORT ORANGE FL	29 08 06	081 01 39	01	83-05-18 83-09-15	1.12 3.53
290923081174301	90911701 15S30E33 WELL OFF SR11 7MI S OF LK DIAS FL	29 09 23	081 17 43	01	83-05-20 83-09-12	38.20 36.67
290928080594401	90905904 WELL AT REED CANAL&US1 S DAYTONA FL	29 09 28	080 59 44	01	83-05-18 83-09-15	-0.28 0.73
290930081230201	90912303 15S29E34 NR SHACK 3MI SE BARBERVILLE FL	29 09 30	081 23 02	01	83-05-16 83-09-12	15.50 15.64
291032081065201	91010601 DAYTONA PS WELL 49 SW OF DAYTONA FL	29 10 32	081 06 52	01	83-05-19 83-09-14	10.90 10.60
291036081175801	91011701 HENDRIX WELL ON SR11 E OF BARBERVILLE FL	29 10 36	081 17 58	01	83-05-20 83-09-12	32.42 32.17
291052081200901	91012007 15S30E19 CAMP WINONA N OF DELEON SPGS FL	29 10 52	081 20 09	01	83-05-16 83-09-12	30.19 29.87
291056081252401	91012502 15S29E20 NR NASSER'S WELL BARBERVILLE FL	29 10 56	081 25 24	01	83-05-17 83-09-12	23.74 22.85
291139081032401	91110305 DAYTONA PS WELL 34 DAYTONA FL	29 11 39	081 03 24	01	83-05-19 83-09-15	-1.34 -0.66
291149081190801	91111901 15S30E17 BLACKWELDERS WELL NR BARBERVILLE FL	29 11 49	081 19 08	01	83-05-20 83-09-12	27.30 27.30
291150081282501	91112806 15S28E14 HARPERS WELL NR PIERSON FL	29 11 50	081 28 25	01	83-05-17 83-09-13	30.48 30.76
291155081022901	91210237 DAYTONA PS WELL 32 TUSC DAYTONA FL	29 11 55	081 02 29	01	83-05-19 83-09-15	-1.13 -0.25
291216081215601	91212101 STRWMD TEST WELL SR40 E OF BARBERVILLE FL	29 12 16	081 21 56	01	83-05-17 83-09-12	25.81 26.35
291221081235101	91212306 15S29E09 RICHARDSONS WELL NE BARBERVILLE FL	29 12 21	081 23 51	01	83-05-17 83-09-12	26.55 26.72
291229081012901	91210119 CHARLES ST 4-IN WELL DAYTONA BEACH FL	29 12 29	081 01 29	01	83-05-19 83-09-15	-1.85 -0.84
291258081313701	91213103 4-IN SUPPLY WELL SE LK GEORGE NR EMPORIA FL	29 12 58	081 31 37	01	83-05-17 83-09-13	7.15 7.48
291302081063801	91310601 USGS WELL SITE 2 W OF DAYTONA FL	29 13 02	081 06 38	01	83-05-19 83-09-14	9.03 9.02
291315081270301	91312701 15S28E01 MCLAUGHLIN'S WELL S PIERSON FL	29 13 15	081 27 03	01	83-05-17 83-09-13	25.67 28.51
291332081191001	91311903 USED 425 SR11&SR40 E OF BARBERVILLE FL	29 13 32	081 19 10	01	83-09-14	31.52
291347081284701	91312807 14S28E33 CLINE'S WELL W PIERSON FL	29 13 47	081 28 47	01	83-05-17 83-09-13	27.95 28.35
291418081032001	91410301 WELL S OF 11TH ST E OF CAN.RD HOLLY HILL FL	29 14 18	081 03 20	01	83-05-19 83-09-15	-1.35 -0.76
291421081012202	91410107 OLD PS WELL SEABREEZE 7 DAYTONA FL	29 14 21	081 01 22	02	83-05-19 83-09-15	-3.54 -2.99
291431081263101	91412611 14S28E35 SJWMD TURNER RD WELL PIERSON FL	29 14 31	081 26 31	01	83-05-17 83-09-13	31.87 34.24

MISCELLANEOUS WATER LEVEL MEASUREMENTS  
OCTOBER 1982 TO SEPTEMBER 1983

## VOLUSIA COUNTY--Continued

STATION NUMBER	STATION NAME	LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	DATE OF SAMPLE	ELEV- ATION ABOVE NGVD (FEET)
291433081284102	91412818 SJWMD DP TESTWELL NXT TO 91412801 PIERSON FL	29 14 33	081 28 41	02	83-05-17 83-09-13	24.25 25.09
291436081024701	91410216 PS WELL 9 HOLLY HILL FL	29 14 36	081 02 47	01	83-05-19 83-09-15	-1.27 -1.71
291458081294201	91412901 SJWMD WELL 1.0 MI W OF PIERSON FL	29 14 58	081 29 42	01	83-05-17 83-09-13	18.90 19.14
291508081302801	91513001 SJWMD WELL 2 MI W OF PIERSON FL	29 15 08	081 30 28	01	83-05-17 83-09-13	13.98 14.40
291523081095001	91510902 USGS WELL 1 SR40 W OF ORMOND, FL	29 15 23	081 09 50	01	83-05-17 83-09-14	18.07 17.71
291524081243501	91512401 14S29E30 2-IN WELL NE OF PIERSON FL	29 15 24	081 24 35	01	83-05-17 83-09-13	26.63 26.90
291527081064701	91510606 4-IN OBS WELL WILLIAMSON&SR40 W ORMOND FL	29 15 27	081 06 47	01	83-05-20 83-09-14	1.71 1.18
291543081320601	91513201 DEADMANS LANDING WELL W OF PIERSON FL	29 15 43	081 32 06	01	83-05-17 83-09-21	7.23 7.67
291607081042301	91610408 ORMOND PS WELL 12 ORMOND BEACH FL	29 16 07	081 04 23	01	83-05-19 83-09-14	-7.84 -8.48
291626081283601	91612801 14S28E16 CONNERSVILLE WELL N OF PIERSON FL	29 16 26	081 28 36	01	83-05-17 83-09-13	24.99 25.73
291712081032102	91710301 W END OF INTERCOAST.BRIDGE ORMOND FL	29 17 12	081 03 21	02	83-05-19 83-09-14	-4.47 -6.18
291737081265501	91712602 14S28E11 BOCKS 4-IN WELL SE SEVILLE FL	29 17 37	081 26 55	01	83-05-17 83-09-13	20.54 20.88
291802081024501	91810202 NEPTUNE AVE GOLF COURSE WELL ORMOND FL	29 18 02	081 02 45	01	83-05-19 83-09-14	-0.64 -0.42
291823081280801	91812805 14S28E03 SJWMD WELL CWT.R IN SEVILLE FL	29 18 23	081 28 08	01	83-05-17 83-09-13	25.62 25.88
291835081324201	91813201 USED 426 PINE ISLAND W OF SEVILLE FL	29 18 35	081 32 42	01	83-05-17 83-09-21	6.63 6.85
291903081294601	91912901 13S28E32 OLD SEVILLE WELL SEVILLE FL	29 19 03	081 29 46	01	83-05-17 83-09-13	25.31 25.56
291904081055501	91910504 TOMOKA ESTATES 2-IN WELL NW OF ORMOND FL	29 19 04	081 05 55	01	83-05-20 83-09-14	2.65 1.83
291949081065901	91910604 PINE TREE DR 6-IN WELL NATIONAL GARDENS FL	29 19 49	081 06 59	01	83-05-20 83-09-14	8.01 7.51
292016081305401	92013001 13S28E30 MCBRIDE'S 12-IN WELL NW SEVILLE FL	29 20 16	081 30 54	01	83-05-17 83-09-13	29.37 29.40
292053081084701	92010803 13S31E26 US1 6-IN WELL NR NAT'L GARDENS FL	29 20 53	081 08 47	01	83-05-20 83-09-14	16.69 16.44
292059081055001	92010514 NAT'L GRDNS TRUST WELL 12F NAT'L GARDENS FL	29 20 59	081 05 50	01	83-09-14	1.24
292105081281201	92112801 13S28E22 WELL NE SEVILLE FL	29 21 05	081 28 12	01	83-05-17 83-09-13	15.35 15.75
292128081295401	92112902 13S28E20 HERREN'S 4-IN WELL N OF SEVILLE FL	29 21 28	081 29 54	01	83-05-17 83-09-13	32.76 34.08
292245081074801	92210701 WELL S OF ORM.TOMB NATIONAL GARDENS FL	29 22 45	081 07 48	01	83-05-20 83-09-14	7.01 6.66
292418081080501	92410801 HIGHBRIDGE RD&DIXIE HWY NR NAT'L GARDENS FL	29 24 18	081 08 05	01	83-05-20	4.45
292421081072301	92410701 HALIFAX PLANT.WELL17D NR NAT'L GARDENS FL	29 24 21	081 07 23	01	83-05-20 83-09-14	6.99 6.72



GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

VOLUSIA COUNTY

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS) (90095)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	SPE-CIFIC CON-DUCT-ANCE LAB (UMHOS) (90095)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)
285253081141301 - 85211401 - DELTONA PUBLIC SUPPLY WELL 14, SAXON BLVD, DELTONA, FL (LAT 28 52 53 LONG 081 14 13)											
DEC , 1982	01...	0836	263	--	265 24						
285340081140801 - 85311401 - DELTONA PUBLIC SUPPLY WELL 12, HOLLYHOCK, DELTONA, FL (LAT 28 53 40 LONG 081 14 08)											
DEC , 1982	01...	0830	235	--	410 70						
285348081140801 - 85311402 - DELTONA PUBLIC SUPPLY WELL 9, SAXON BLVD, DELTONA, FL (LAT 28 53 48 LONG 081 14 08)											
DEC , 1982	01...	0833	252	--	459 78	MAY , 1983	27...	1145	252	--	455 64
FEB , 1983	01...	1320	252	--	421 60	JUN	30...	1215	252	428	-- 58
MAR	31...	1400	252	--	520 89	SEP	30...	1300	252	408	-- 56
APR	29...	0930	252	--	540 97						
285352081141001 - 85311403 DELTONA PUBLIC SUPPLY WELL 16, DELTONA, FL (LAT 28 53 52 LONG 081 14 10)											
DEC , 1982	01...	0835	276	--	496 91						
285359081161701 - 85311601 - DELTONA PUBLIC SUPPLY WELL 3, DIAMOND ST, DELTONA, FL (LAT 28 53 59 LONG 081 16 17)											
DEC , 1982	01...	0900	250	--	293 9.4						
285406081152301 - 85411501 - DELTONA PUBLIC SUPPLY WELL 6, FIRE STATION, DELTONA, FL (LAT 28 54 06 LONG 081 15 23)											
DEC , 1982	01...	0845	240	--	300 15						
285410081152301 - 85411502 - DELTONA PUBLIC SUPPLY WELL 8, FIRE STATION, DELTONA, FL (LAT 28 54 10 LONG 081 15 23)											
DEC , 1982	01...	0947	248	--	290 14						
285419081153901 - 85411505 - DELTONA PUBLIC SUPPLY WELL 1, WELLINGTON, DELTONA, FL (LAT 28 54 19 LONG 081 15 39)											
DEC , 1982	01...	0955	300	--	273 12						
285525081143301 - 85511401 - DELTONA PUBLIC SUPPLY WELL 4, ELKCAM BLVD, DELTONA, FL (LAT 28 55 25 LONG 081 14 33)											
DEC , 1982	01...	0815	254	--	550 100						
285840081135601 - 85811301 - LAKE HELEN PUBLIC SUPPLY WELL, LAKE HELEN, FL (LAT 28 58 40 LONG 081 13 56)											
DEC , 1982	08...	1015	480	--	310 11						
285852080561401 - 85805601 - EDGEWATER PUBLIC SUPPLY WELL 3, W OF EDGEWATER, FL (LAT 28 58 52 LONG 080 56 14)											
DEC , 1982	08...	1245	180	--	730 55						
285858080555701 - 85805501 - EDGEWATER PUBLIC SUPPLY WELL 2, W OF EDGEWATER, FL (LAT 28 58 58 LONG 080 55 57)											
DEC , 1982	08...	1250	180	--	995 140						
285904080554601 - 85905504 - EDGEWATER PUBLIC SUPPLY WELL 1, W OF EDGEWATER, FL (LAT 28 59 04 LONG 080 55 46)											
DEC , 1982	08...	1240	158	--	1210 210						

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

VOLUSIA COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)
285949080575001 - 85905703 - NSB PUBLIC SUPPLY WELL NUMBERED 3 IN 1980, NEW SMYRNA BEACH, FL (LAT 28 59 49 LONG 080 57 50)											
DEC , 1982						JAN , 1983					
01...	1200	210	--	715	61	31...	1040	210	--	745	56
285950080575350 - COMPOSITE - NSB WEST WELL FIELD AT NEW SMYRNA BEACH, FL (LAT 28 59 50 LONG 080 57 53)											
MAR , 1983						JUN , 1983					
30...	1010	--	--	530	9.4	29...	0925	--	555	--	13
APR						SEP					
28...	0930	--	--	520	13	29...	0930	--	515	--	12
MAY											
31...	0905	--	--	770	60						
285950080575351 - COMPOSITE - NSB WELL FIELDS AT NEW SMYRNA BEACH, FL (LAT 28 59 50 LONG 080 57 53)											
MAR , 1983						JUN , 1983					
30...	0940	--	--	620	32	29...	0920	--	700	--	48
APR						SEP					
28...	0935	--	--	650	45	29...	0935	--	670	--	48
MAY											
31...	0900	--	--	575	12						
285951080574701 - 85905705 - NSB PUBLIC SUPPLY WELL NUMBERED 3 IN 1947, NEW SMYRNA BEACH, FL (LAT 28 59 51 LONG 080 57 47)											
DEC , 1982											
08...	1225	190	820	800	88						
285952080574801 - 85905701 - NSB PUBLIC SUPPLY WELL NUMBERED 1 IN 1980, NEW SMYRNA BEACH, FL (LAT 28 59 52 LONG 080 57 48)											
DEC , 1982						JAN , 1983					
01...	1150	210	--	820	100	31...	1045	210	--	860	98
290039081204601 - 90012021 - LAKE BERESFORD PUBLIC SUPPLY WELL 2, SW OF DE LAND, FL (LAT 29 00 39 LONG 081 20 46)											
DEC , 1982											
08...	1550	198	--	437	51						
290039081204701 - 90012022 - LAKE BERESFORD PUBLIC SUPPLY WELL 1, SW OF DE LAND, FL (LAT 29 00 39 LONG 081 20 47)											
DEC , 1982											
08...	1545	200	--	1120	230						
290139081182401 - 90111701 - DE LAND PUBLIC SUPPLY WELL 2, DE LAND, FL (LAT 29 01 39 LONG 081 18 24)											
NOV , 1982											
30...	0850	300	--	373	20						
290156081183401 - 90111802 - DE LAND PUBLIC SUPPLY WELL 4, DE LAND, FL (LAT 29 01 56 LONG 081 18 34)											
NOV , 1982						MAY , 1983					
30...	0835	275	--	383	28	27...	1230	275	--	405	27
FEB , 1983						JUN					
01...	1240	275	--	403	28	30...	1135	275	385	--	26
MAR						SEP					
31...	1250	275	--	393	25	30...	1200	275	388	--	28
APR											
29...	1015	275	--	374	25						
290156081183501 - 90111801 - DE LAND PUBLIC SUPPLY WELL 3, DE LAND, FL (LAT 29 01 56 LONG 081 18 35)											
NOV , 1982											
30...	0840	289	--	425	40						
290251081001401 - 90210001 - USGS TEST WELL I, NE OF SAMSULA, FL (LAT 29 02 51 LONG 081 00 14)											
AUG , 1983											
04...	1040	700	1260	1280	280						

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

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VOLUSIA COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
290324080580501 - 90305801 - HENDRICKS WELL, TURNBULL BAY RD, NEW SMYRNA BEACH, FL (LAT 29 03 24 LONG 080 58 05)											
AUG , 1983											
04...	1230	104	800	825	120						
290512081213801 - 90512111 - BOOKERS IRRIGATION WELL, GLENWOOD, FL (LAT 29 05 12 LONG 081 21 38)											
JAN , 1983											
18...	0515	276	--	412	46						
290532081213501 - 90512101 - C F GREENS NO 1 WELL, GLENWOOD, FL (LAT 29 05 32 LONG 081 21 35)											
JAN , 1983											
18...	0505	--	--	690	120						
290538081213501 - 90512102 - C F GREENS DEEP WELL, GLENWOOD, FL (LAT 29 05 38 LONG 081 21 35)											
JAN , 1983											
18...	0500	560	--	1410	360						
290606080581901 - 90605803 - SOUTH SIDE OF ROSE BAY, ALLANDALE, FL (LAT 29 06 06 LONG 080 58 19)											
AUG , 1983											
04...	1300	125	--	1970	440						
290612081214101 - 90612107 - HAGSTROM DIESEL WELL, N GLENWOOD, FL (LAT 29 06 12 LONG 081 21 41)											
JAN , 1983											
18...	0525	--	--	1750	450						
290613081213001 - 90612108 - LUCAS IRRIGATION WELL, S OF DE LEON SPRINGS, FL (LAT 29 06 13 LONG 081 21 30)											
JAN , 1983											
18...	0535	343	--	2400	660						
290635081202101 - 90612005 - C RICHARDSON'S NO 24 WELL, DE LEON SPRINGS, FL (LAT 29 06 35 LONG 081 20 21)											
JAN , 1983											
18...	0615	350	--	360	30						
290642081214001 - 90612102 - LAWRENCE WELL, DE LEON SPRINGS, FL (LAT 29 06 42 LONG 081 21 40)											
JAN , 1983											
18...	0550	--	--	1530	380						
290651080582802 - 90605814 - HARBOUR OAKS SUPPLY WELL, ALLANDALE, FL (LAT 29 06 51 LONG 080 58 28)											
DEC , 1982											
21...	1300	150	--	1900	460						
290737081220301 - 90712201 - HAGSTROM IRRIGATION WELL, W OF DE LEON SPRINGS, FL (LAT 29 07 37 LONG 081 22 03)											
JAN , 1983											
18...	0600	--	--	1830	500						
290752081220901 - 90712102 - 8-IN FLOW WELL, W OF DE LEON SPRINGS, FL (LAT 29 07 52 LONG 081 22 09)											
JUN , 1983											
02...	0900	96	--	13400	4500						
290804081215601 - 90712101 - 12-IN FLOW WELL, W OF DE LEON SPRINGS, FL (LAT 29 08 04 LONG 081 21 56)											
JUN , 1983											
02...	0900	210	--	2960	830						
290812081083201 - 90810810 - DAYTONA PUBLIC SUPPLY WELL W-8, SW OF DAYTONA, FL (LAT 29 08 12 LONG 081 08 32)											
DEC , 1982											
16...	1220	340	--	660	32						

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

VOLUSIA COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
290813081014050 - COMPOSITE - PORT ORANGE WELL FIELD AT PORT ORANGE, FL (LAT 29 08 13 LONG 081 01 40)											
MAR , 1983						JUN , 1983					
30...	1040	--	--	780	73	29...	1000	--	805	--	72
APR						SEP					
28...	1000	--	--	760	72	29...	1000	--	780	--	70
MAY											
31...	0930	--	--	835	75						
290813081014101 - 90810106 - PORT ORANGE PUBLIC SUPPLY WELL 7, PORT ORANGE, FL (LAT 29 08 13 LONG 081 01 41)											
DEC , 1982						JAN , 1983					
01...	1100	160	--	1000	160	31...	1130	160	--	985	150
290815081194801 - 90811902 - FLORAL GREENS INTNL NO 1 WELL, DE LEON SPRINGS, FL (LAT 29 08 15 LONG 081 19 48)											
JAN , 1983											
18...	0625	475	--	278	9.8						
290816080574101 - 90805701 - DON MEMBRY WELL, WILBUR-BY-THE-SEA, FL (LAT 29 08 16 LONG 080 57 41)											
AUG , 1983											
04...	1350	130	--	1580	340						
290820081081401 - 90810808 - DAYTONA PUBLIC SUPPLY WELL W-6, SW OF DAYTONA, FL (LAT 29 08 20 LONG 081 08 14)											
DEC , 1982											
16...	1240	340	--	670	33						
290823081080401 - 90810807 - DAYTONA PUBLIC SUPPLY WELL W-5, SW OF DAYTONA, FL (LAT 29 08 23 LONG 081 08 04)											
DEC , 1982											
16...	1245	250	--	610	23						
290830081074401 - 90810705 - DAYTONA PUBLIC SUPPLY WELL W-3, SW OF DAYTONA, FL (LAT 29 08 30 LONG 081 07 44)											
DEC , 1982											
16...	1250	250	--	540	19						
290849081202601 - 90812004 - HOBlick NO 4 WELL, E OF DELEON SPRINGS, FL (LAT 29 08 49 LONG 081 20 26)											
JAN , 1983											
18...	0640	415	--	1170	274						
290910081202801 - 90912003 - CRIBB'S IRRIGATION WELL, N OF DE LEON SPRINGS, FL (LAT 29 09 10 LONG 081 20 28)											
JAN , 1983											
18...	0655	350	--	254	9.1						
290959081231601 - 90912301 - DAIRY FLOW WELL NO 1, SW OF BARBERVILLE, FL (LAT 29 09 59 LONG 081 23 16)											
AUG , 1983											
04...	1715	241	--	1730	450						
291017081205001 - 91012006 - BLACKWELDER N WELL, DE LEON SPRINGS, FL (LAT 29 10 17 LONG 081 20 50)											
JAN , 1983											
18...	0700	465	--	235	11						
291031081065601 - 91010603 - DAYTONA PUBLIC SUPPLY WELL W-1, W OF DAYTONA, FL (LAT 29 10 31 LONG 081 06 56)											
DEC , 1982											
28...	1045	215	--	580	25						

GROUND WATER QUALITY RECORDS  
OCTOBER 1982 TO SEPTEMBER 1983

## VOLUSIA COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
291037081065950 - COMPOSITE - DAYTONA BEACH WEST WATER PLANT NEAR DAYTONA BEACH, FL (LAT 29 10 37 LONG 081 06 59)											
MAR , 1983						JUN , 1983					
30...	1115	--	--	660	43	29...	1015	--	660	--	40
APR						SEP					
28...	1100	--	--	640	48	29...	1015	--	610	--	30
MAY											
31...	1000	--	--	630	27						
291043081071201 - 91010701 - DAYTONA PUBLIC SUPPLY WELL W-2, W OF DAYTONA, FL (LAT 29 10 43 LONG 081 07 12)											
DEC , 1982											
28...	1105	220	--	580	27						
291105081052301 - 91110504 - DAYTONA PUBLIC SUPPLY WELL 46, DAYTONA, FL (LAT 29 11 05 LONG 081 05 23)											
DEC , 1982											
01...	1240	210	--	645	42						
291109081051601 - 91110501 - DAYTONA PUBLIC SUPPLY WELL 45, DAYTONA, FL (LAT 29 11 09 LONG 081 05 16)											
DEC , 1982											
01...	1232	255	--	965	160						
291111081291401 - 91112915 - MCCOLLOUGH EMPORIA RD WELL, EMPORIA, FL (LAT 29 11 11 LONG 081 29 14)											
JAN , 1983											
18...	0940	600	--	336	10						
291113081050601 - 91110503 - CITY WELL 44 AT DAYTONA BEACH, FL (LAT 29 11 13 LONG 081 05 06)											
DEC , 1982						JAN , 1983					
01...	1250	211	--	830	110	31...	1250	211	--	740	72
291116081045501 - 91110413 - DAYTONA PUBLIC SUPPLY WELL 43, DAYTONA, FL (LAT 29 11 16 LONG 081 04 55)											
DEC , 1982											
01...	1254	200	--	720	69						
291120081042701 - 91110408 - DAYTONA PUBLIC SUPPLY WELL 40, DAYTONA, FL (LAT 29 11 20 LONG 081 04 27)											
DEC , 1982						JAN , 1983					
01...	1307	217	--	590	55	31...	1245	217	--	700	48
291124081043401 - 91110410 - DAYTONA PUBLIC SUPPLY WELL 41, DAYTONA, FL (LAT 29 11 24 LONG 081 04 34)											
DEC , 1982											
01...	1303	290	--	650	42						
291130081040601 - 91110407 - DAYTONA PUBLIC SUPPLY WELL 38, DAYTONA, FL (LAT 29 11 30 LONG 081 04 06)											
DEC , 1982											
01...	1312	210	--	675	40						
291133081035801 - 91110302 - DAYTONA PUBLIC SUPPLY WELL 37, DAYTONA, FL (LAT 29 11 33 LONG 081 03 58)											
DEC , 1982											
01...	1325	205	--	703	53						
291152081023701 - 91110203 - DAYTONA PUBLIC SUPPLY WELL 33, DAYTONA, FL (LAT 29 11 52 LONG 081 02 37)											
DEC , 1982											
01...	1545	170	--	970	150						
291158081015801 - 91210202 - DAYTONA PUBLIC SUPPLY WELL 2, MALEY, DAYTONA, FL (LAT 29 11 58 LONG 081 01 58)											
DEC , 1982											
08...	1415	198	--	990	150						

GROUND WATER QUALITY RECORDS  
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VOLUSIA COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
291159081020201 - 91210203 - DAYTONA PUBLIC SUPPLY WELL 3, MALEY, DAYTONA (LAT 29 11 59 LONG 081 02 02)											
DEC , 1982											
08...	1450	197	--	1460	300						
291226081012950 - COMPOSITE - DAYTONA BEACH EAST WATER PLANT AT DAYTONA BEACH, FL (LAT 29 12 26 LONG 081 01 29)											
MAR , 1983						JUN , 1983					
30...	1145	--	--	660	47	29...	1040	--	680	--	46
APR						SEP					
28...	1115	--	--	660	49	29...	1040	--	310	--	56
MAY											
31...	1015	--	--	710	47						
291422081254701 - 91412505 - 14S28E36 TAYLOR'S MISERY WELL, PIERSON, FL (LAT 29 14 22 LONG 081 25 47)											
JAN , 1983											
18...	0715	789	--	234	8.8						
291425081024502 - 91410215 - HOLLY HILL PUBLIC SUPPLY WELL 8A, HOLLY HILL, FL (LAT 29 14 25 LONG 081 02 45)											
DEC , 1982											
01...	1030	190	--	940	140						
291429081024702 - 91410213 - HOLLY HILL PUBLIC SUPPLY WELL 7A, HOLLY HILL, FL (LAT 29 14 29 LONG 081 02 47)											
DEC , 1982						JAN , 1983					
01...	0958	200	--	1040	150	31...	1330	200	--	1280	240
291430081024750 - COMPOSITE - HOLLY HILL WELL FIELD AT HOLLY HILL, FL (LAT 29 14 30 LONG 081 02 47)											
MAR , 1983						JUN , 1983					
30...	1200	--	--	1320	260	29...	1115	--	1110	--	170
APR						SEP					
28...	1145	--	--	1210	230	29...	1100	--	1330	--	315
MAY											
31...	1050	--	--	1330	97						
291431081031001 - 91410307 - HOLLY HILL PUBLIC SUPPLY WELL 12A, HOLLY HILL, FL (LAT 29 14 31 LONG 081 03 10)											
DEC , 1982											
01...	1145	190	--	820	120						
291434081025002 - 91410211 - HOLLY HILL PUBLIC SUPPLY WELL 6A, HOLLY HILL, FL (LAT 29 14 34 LONG 081 02 50)											
DEC , 1982											
01...	1013	188	--	740	70						
291435081025501 - 91410218 - HOLLY HILL PUBLIC SUPPLY WELL 11, HOLLY HILL, FL (LAT 29 14 35 LONG 081 02 55)											
DEC , 1982											
01...	1000	--	--	740	70						
291436081024701 - 91410216 - HOLLY HILL PUBLIC SUPPLY WELL 9, HOLLY HILL, FL (LAT 29 14 36 LONG 081 02 47)											
DEC , 1982						JAN , 1983					
01...	0955	216	--	1400	320	31...	1315	216	--	1660	340
291452081261701 - 91412610 - R JONES WELL N OF WASHINGTON ST, PIERSON, FL (LAT 29 14 52 LONG 081 26 17)											
JAN , 1983											
18...	0725	675	--	226	8.9						
291454081291101 - 91412903 - T TAYLOR CARLYLE WELL, W PIERSON, FL (LAT 29 14 54 LONG 081 29 11)											
JAN , 1983											
18...	0825	--	--	316	9.6						

GROUND WATER QUALITY RECORDS  
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VOLUSIA COUNTY--Continued

DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)	DATE	TIME	DEPTH OF WELL, TOTAL (FEET) (72008)	SPE- CIFIC CON- DUCT- ANCE (UMHOS) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (UMHOS) (90095)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL) (00940)
291507081290601 - 91512903 - BRADDOCK WELL, W OF WASH RD, PIERSON, FL (LAT 29 15 07 LONG 081 29 06)											
JAN , 1983											
18...	0815	408	--	253	7.5						
291522081265201 - 91512611 - WORTHINGTON PINE STREET WELL, NE PIERSON, FL (LAT 29 15 22 LONG 081 26 52)											
JAN , 1983											
18...	0800	644	--	199	8.2						
291525081260601 - 91512619 - CARTER'S IRRIGATION WELL, NE PIERSON, FL (LAT 29 15 25 LONG 081 26 06)											
JAN , 1983											
18...	0745	580	--	227	7.2						
291607081042301 - 91610408 - ORMOND PUBLIC SUPPLY WELL 12, ORMOND BEACH, FL (LAT 29 16 07 LONG 081 04 23)											
DEC , 1982											
01...	1121	--	--	900	120						
291616081040301 - 91610404 - ORMOND PUBLIC SUPPLY WELL 8, ORMOND BEACH, FL (LAT 29 16 16 LONG 081 04 03)											
DEC , 1982						JAN , 1983					
01...	1129	--	--	830	110	31...	1410	--	--	965	170
291628081040101 - 91610413 - ORMOND PUBLIC SUPPLY WELL 18, ORMOND BEACH, FL (LAT 29 16 28 LONG 081 04 01)											
DEC , 1982						JAN , 1983					
01...	1113	200	--	1100	190	31...	1400	200	--	1080	200
291641081034501 - 91610307 - ORMOND PUBLIC SUPPLY WELL 5, ORMOND BEACH, FL (LAT 29 16 41 LONG 081 03 45)											
DEC , 1982											
01...	1105	182	--	915	130						
291642081034450 - COMPOSITE - ORMOND BEACH WELL FIELD AT ORMOND, FL (LAT 29 16 42 LONG 081 03 44)											
MAR , 1983						JUN , 1983					
30...	1230	--	--	930	130	29...	1145	--	950	--	130
APR						SEP					
28...	1200	--	--	897	140	29...	1130	--	920	--	120
MAY											
31...	1115	--	--	960	130						
291643081034601 - 91610303 - ORMOND PUBLIC SUPPLY WELL 3, ORMOND BEACH, FL (LAT 29 16 43 LONG 081 03 46)											
DEC , 1982											
01...	1103	202	--	920	130						
291644081034701 - 91610302 - ORMOND PUBLIC SUPPLY WELL 2, ORMOND BEACH, FL (LAT 29 16 44 LONG 081 03 47)											
DEC , 1982											
01...	1101	210	--	890	120						
291645081034801 - 91610301 - ORMOND PUBLIC SUPPLY WELL 1, ORMOND BEACH, FL (LAT 29 16 45 LONG 081 03 48)											
DEC , 1982											
01...	1101	186	--	1160	230						
291724081275701 - 91712703 - M SMITH L.B.C. RD 8-IN WELL, SEVILLE, FL (LAT 29 17 24 LONG 081 27 57)											
JAN , 1983											
18...	0920	476	--	292	9.4						
291834081281101 - 91812804 - M COLMANS COWART RD WELL, SE SEVILLE, FL (LAT 29 18 34 LONG 081 28 11)											
JAN , 1983											
18...	0900	400	--	393	31						
291838081280601 - 91812803 - W COLMANS COWART RD WELL, SE SEVILLE, FL (LAT 29 18 38 LONG 081 28 06)											
JAN , 1983											
18...	0850	400	--	310	13						





WATER RESOURCES DATA FOR FLORIDA, 1983  
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## 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). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	$2.54 \times 10^1$	millimeters (mm)
	$2.54 \times 10^{-2}$	meters (m)
feet (ft)	$3.048 \times 10^{-1}$	meters (m)
miles (mi)	$1.609 \times 10^0$	kilometers (km)
<i>Area</i>		
acres	$4.047 \times 10^3$	square meters (m <sup>2</sup> )
	$4.047 \times 10^{-1}$	square hectometers (hm <sup>2</sup> )
	$4.047 \times 10^{-3}$	square kilometers (km <sup>2</sup> )
square miles (mi <sup>2</sup> )	$2.590 \times 10^0$	square kilometers (km <sup>2</sup> )
<i>Volume</i>		
gallons (gal)	$3.785 \times 10^0$	liters (L)
	$3.785 \times 10^0$	cubic decimeters (dm <sup>3</sup> )
	$3.785 \times 10^{-3}$	cubic meters (m <sup>3</sup> )
million gallons	$3.785 \times 10^3$	cubic meters (m <sup>3</sup> )
	$3.785 \times 10^{-3}$	cubic hectometers (hm <sup>3</sup> )
cubic feet (ft <sup>3</sup> )	$2.832 \times 10^1$	cubic decimeters (dm <sup>3</sup> )
	$2.832 \times 10^{-2}$	cubic meters (m <sup>3</sup> )
cfs-days	$2.447 \times 10^3$	cubic meters (m <sup>3</sup> )
	$2.447 \times 10^{-3}$	cubic hectometers (hm <sup>3</sup> )
acre-feet (acre-ft)	$1.233 \times 10^3$	cubic meters (m <sup>3</sup> )
	$1.233 \times 10^{-3}$	cubic hectometers (hm <sup>3</sup> )
	$1.233 \times 10^{-6}$	cubic kilometers (km <sup>3</sup> )
<i>Flow</i>		
cubic feet per second (ft <sup>3</sup> /s)	$2.832 \times 10^1$	liters per second (L/s)
	$2.832 \times 10^1$	cubic decimeters per second (dm <sup>3</sup> /s)
	$2.832 \times 10^{-2}$	cubic meters per second (m <sup>3</sup> /s)
gallons per minute (gal/min)	$6.309 \times 10^{-2}$	liters per second (L/s)
	$6.309 \times 10^{-2}$	cubic decimeters per second (dm <sup>3</sup> /s)
	$6.309 \times 10^{-5}$	cubic meters per second (m <sup>3</sup> /s)
million gallons per day	$4.381 \times 10^1$	cubic decimeters per second (dm <sup>3</sup> /s)
	$4.381 \times 10^{-2}$	cubic meters per second (m <sup>3</sup> /s)
<i>Mass</i>		
tons (short)	$9.072 \times 10^{-1}$	megagrams (Mg) or metric tons

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